

NATIVE ORCHID
SOCIETY
of
SOUTH AUSTRALIA



Red

Caladenia
menziesii



NATIVE ORCHID SOCIETY OF SOUTH AUSTRALIA

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A CHECK LIST OF ORCHIDACEAE
IN SOUTH AUSTRALIA by J.Z. WEBER.

CHANGES INTRODUCED IN THE NEW
"BLACK'S FLORA" by R. BATES

CHECK LIST OF ORCHIDACEAE OF SOUTH AUSTRALIA. J.Z. Weber

In the first volume of the third edition of J.M. Black's *Flora of South Australia*, revised and edited by John P. Jessop, 1978, there is only an index to families and genera. It was felt strongly, that a census of species of Orchids be published before the other volumes are completed, which may take quite a time. This census includes a check list, names which have previously applied in South Australia, original citations and references to many type collections and their locations.

The first account of the South Australian Orchidaceae after Bentham's "*Flora Australiensis*", 1873, was in "*A Handbook of the Flora of Extratropical South Australia*" published in 1890 by Ralph Tate, formerly Professor of Natural History at the University of Adelaide. Excluding *Cymbidium* (not occurring within the present boundary of South Australia) he recognised 17 genera with 66 species. In J.M. Black's *Flora of South Australia*, first edition, 1922, the Orchidaceae were described by R.S. Rogers (MD), who was at that time the leading authority on Australian Orchids. He recognised 19 genera with 98 species and three varieties. In the second edition of J.M. Black's *Flora*, 1943, the Orchidaceae were amended by H.M.R. Rupp, of Sydney, W.H. Nicholls, of Melbourne and H. Goldsack, of Adelaide, to contain 106 species and five varieties. In the third edition of J.M. Black's "*Flora of South Australia*", the Orchidaceae were prepared by J.Z. Weber, Botanist of the State Herbarium of South Australia and R. Bates, an Orchid expert in Adelaide. A total of 110 species and 14 varieties are here accepted. Since the second edition, 19 species had been reduced to synonymy and 31 new species and two varieties added. In the third edition, itself, seven species were reduced to varietal rank, a further two excluded and three varieties reduced to synonymy.

Herbarium abbreviations used in the text

AD	-	Adelaide	K	-	Kew (G.B.)
AK	-	Auckland (N.Z.)	MEL	-	Melbourne
BM	-	London (G.B.)	NSW	-	Sydney
CANB	-	Canberra	P	-	Paris (Fr.)
E	-	Edinburgh (G.B.)	PERTH		
FI	-	Firenze (It.)	W	-	Wien (Au.)
G	-	Geneve (It.)			

J.Z. Weber, State Herbarium, Botanic Garden, Adelaide. (AD)

ACIANTHUS

Acianthus R.Br., *Prod.Fl.Nov.Holl.* 321(1810)

Cyrtostylis R.Br., *Prod.Fl.Nov.Holl.* 321(1810)

A. caudatus R.Br., *Prod.Fl.Nov.Holl.* 321(1810)

A. exsertus R.Br., *Prod.Fl.Nov.Holl.* 321(1810)

A. reniformis (R.Br.)Schlechter, *Bot.Jehrb.* 39:39(1906)

Cyrtostylis reniformis R.Br., *Prod.Fl.Nov.Holl.* 321(1810)

Type: R.Brown, May-June 1802, Port Jackson, N.S.W. - holo.: BM, iso.: G, FL.

Caladenia reniformis (R.Br.)Reichb.f., *Syst. Pfl.* 67(1871)

CALADENIA

Caladenia R.Br., *Prod.Fl.Nov.Holl.* 323(1810)

C. alba R.Br., *Prod.Fl.Nov.Holl.* 323 (1810)

= *C. carnea* var. *alba* (R.Br.)Benth.

C. angustata Lindl., *Gen. & Spec. Orchid. Pl.* 420(1810), non Hook.f. (1858)

C. hildae E.E.Pescott & Nicholls, *Vic.Nat.* 45:235(1929)

C. bicalliata R.S. Rogers, *Trans.R.Soc.S.Aust.* 33:17(1909)

= *C. filamentosa* var. *bicalliata* (R.S. Rogers)J.Z.Weber & R. Bates

C. cardiophila Tate, *Trans.R.Soc.S.Aust.* 9:60(1867)

= *C. tessellata* Fitzg.

C. carnea R.Br., *Prod.Fl.Nov.Holl.* 324(1810)

var. *carnea*

var. *alba* (R.Br.)Benth., *F1.Aust.* 6:387(1873)

C. alba R.Br., *Prod.Fl.Nov.Holl.* 323(1810)

Type: R.Brown, 1803-1805, Port Jackson, N.S.W. - syn.: BM, AD

var. *attenuata* W. Brinsley, *Orchadian* 3(2):16 (1968)

Type: W. Brinsley 28.x.1964, Durama, N.S.W. - holo.: N.S.W.

var. *gigantea* R.S. Rogers, *Trans.R.Soc.S.Aust.* 51:13 (1927)

Type: H.M. Rupp, Sept. 1924, Smith's Lake, N.S.W. - holo.: AD

var. *pygmaea* R.S. Rogers, *Trans.R.Soc.S.Aust.* 51:13 (1927)

Type: R.S. Rogers, 15.xi.1908, Scott's Creek, S.A. - lecto.: AD

H.B. Williamson, 2.xi.1923, Healesville, Vic. - syn.: AD

J.B. Howie, 10.x.1926, Healesville, Vic. - syn.: AD

E.H. Sutton, Nov. 1912, Flinders Island, Tas. - syn.: AD

C. clavigera A.Cunn. ex Lindl., *Gen. & Spec. Orchid.Pl.* 422(1840)

C. cordiformis R.S. Rogers, *Trans.R.Soc.S.Aust.* 44:330(1920)

Type: E.E. Pescott, 30.ix.1920, Ringwood, Vic. - lecto.: AD, iso.: AD

E.E. Pescott, Oct.1912, Ringwood, Vic. - syn.: AD

C. congesta R.Br., *Prod.F1.Nov.Holl.* 324 (1810)

C. cordiformis R.S. Rogers, *Trans.R.Soc.S.Aust.* 44:330(1920)

= *C. clavigera* A.Cunn, ex Lindl.

C. cucullata Fitzg., *Aust. Orchids* 1(2) (1876)

Type: Fitzg., *Aust. Orchids* 1(2) (1876)

C. deformis R.Br., *Prod.F1.Nov.Holl.* 324 (1810)

Type: D. Paterson, Port Dalrymple, Tas. - holo.: BM

C. unguiculata Lindl., *Sketch Veg. Swan Riv.Col.* 51(1840)

Type: J. Drummond, Swan River, W.A.

C. dilatata R.Br., *Prod.F1.Nov.Holl.* 325(1810)

var. *dilatata*

Type: D. Paterson, Port Dalrymple, Tas. - holo.: BM

C. patersonii var. *dilatata* (R.Br.)Benth., *Fl.Aust.* 6:382(1873)

var. *concinna* Rupp, *Proc.Linn.Soc.N.S.W.* 53:553(1928)

Type: G.V. Scammell, Aug. 1927, Griffith, N.S.W. - holo.: N.S.W.

C. toxochila Tate, *Trans.R.Soc.S.Aust.* 12:129(1889)

Type: W.L. Cleland, Aug.1889, Carroona Hill, S.A. - holo.: AD

Caladenia cont.

C. ferruginea Nicholls, Vic.Nat, 64:136(1947)

= *C. huegelii* Reichb.f. var. *huegelii*

C. filamentosa R.Br., Prod.Fl.Nov.Holl. 324(1810)

var. *filamentosa*

Type: D. Paterson, Port Dalrymple, Tas. - holo.: BM

C. filamentosa var. *tentaculata* R.S. Rogers in J.M. Black, F1.S.

Aust, 138 (1922); based on *C. tentaculata* Tate, Trans.R.Soc.

S.Aust. 12:130 (1889), nom. illeg.

Type: W.L. Cleland, Aug. 1889, Carroona, towards Gawler Range,

- holo.: AD

var. *bicallata* (R.S. Rogers)J.Z.Weber & R. Bates, in J.P. Jessop,

J.M. Black's F1.S.Aust. ed. 3(1):395(1978)

C. bicallata R.S. Rogers, Trans.R.Soc.S.Aust. 33:17 (1909)

Type: R.S. Rogers, 20.ix.1908, near Kingscote, S.A. - holo.: AD

var. *tentaculata* R.S. Rogers in J.M. Black, F1.S.Aust. 138 (1922)

C. tentaculata Tate, Trans.R.Soc.S.Aust. 12:130 (1889), nom. illeg.

= *C. filamentosa* R.Br. var. *filamentosa*

C. fimbriata (Lindl.)Reichb.f., Baitr.Syst.Pfl. 65 (1871)

Leptoceras fimbriata Lindl., Sketch Veg.Swan Riv. Col. 53 (1840)

= *Leperella fimbriata* (Lindl.)George

C. fitzgeraldii Rupp., Vic.Nat. 58:199(1942)

= *C. huegelii* Reichb.f. var. *huegelii*

C. gladiolata R.S. Rogers, Trans.R.Soc.S.Aust. 31:210(1907)

Type: E. Keynes, 16.ix.1907 (misprint 10.ix), Hornsdale (near Appila -

Yarrowie), S.A. - holo.: AD, iso.: AD

C. huegelii Reichb.f., Beitr.Syst.Pfl. 66 (1871)

var. *huegelii*

Type: K.F. Huegel, Swan River, W.A. - lecto.: W, Iso.: W

J. Drummond 439, Swan River, W.A. - syn.: Fl, G,K

C. ferruginea Nicholls, Vic. Nat. 64:136(1947)

Type: W.H. Nicholls, Sept. 1946, Armadale, W.A. - lecto.: MEL,

iso.: PERTH

W.H. Nicholls, Oct. 1946, Waterloo, W.A. syn.: MEL

W.H. Nicholls, Oct. 1946, Cookernup, W.A. - syn.: MEL

C. Pectinata R.S. Rogers, Trans.R.Soc.S.Aust, 44:352 (1920)

Type: R.S. Rogers, 17.ix.1919, Lower King River, W.A. - lecto.: AD

W.E. Cooke, 13.ix.1906, Swan View, W.A. - syn.: AD

Tapp, South Perth, W.A. - syn.: AD

var. *reticulata* (Fitzg.)J.Z.Weber & R. Bates, in J.P. Jessop, J.M. Black's

F1.S.Aust. ed. 3(1):397 (1978)

C. reticulata Fitzg., Gdns' Chron. n.s. 17:462 (1882)

Type: Fitzg., Aust. Orchids 2(2) (1885)

var. *rigida* (P.S. Rogors)J.Z. Weber & R. Bates, in J.P. Jessop, J.M. Black's

F1.S.Aust. ad. 3(1):398 (1970)

C. rigida R.S. Rogers, Trans.R.Soc.S.Aust. 54:45 (1930)

Type: R.S. Rogers, 12.ix.1908, Golden Grove, S.A. - lecto.: AD,

iso.: AD

R.S. Rogers, 15.ix.1929, Macclesfield, S.A. - syn.: AD

C. latifolia R.Br., Prod,Fl.Nov.Holl. 324 (1810)

Type: D. Paterson, Port Dalrymple, Tas. holo.: BM, iso.: E

C. leptochila Fitzg., Gdns' Chron. n.s. 17:462 (1882)

Type: Fitzg., Aust. Orchids 2(2) (1885)

C. menziesii R.Br. Prod.Fl.Nov.Holl. 325 (1810)

Type: A. Menzies, 1791, King George Sound, W.A. - holo.: BM

C. nigricans (R.Br.)Reichb.f., Beitr. Syst. Pfl. 67(1871)

=*Lyperanthus nigricans* R.Br,

C. ovata R.S. Rogers, Trans,R.Soo.S.Aust. 33:16(1909)

Type: Wilson, Hog Bay River, S.A. - lecto.: AD, iso.: AD

C. patersonii R.Br., Prod.Fl.Nov.Holl. 324(1810)

var. *patersonii*

Type: D. Paterson, Nov. 1804, Port Dalrymple, Tas. - holo.: BM

Caladenia cont.

- var. *dilatata* (R.Br.) Benth., Fl. Aust. 6:382 (1873)
 = *C. dilatata* R.Br.
- C. pectinata* R.S. Rogers, Trans. R. Soc. S. Aust. 44:352 (1920)
 = *C. huegelii* Reichb.f. var. *huegelii*
- C. radialis* R.S. Rogers, Trans. R. Soc. S. Aust. 51:296 (1927)
 Type: E.H. Ising, 1.ix.1926, Dowerin, lecto.: AD, iso.: AD
- C. reniformis* (R.Br.) Reichb.f., Beitr. Syst. Pfl. 67 (1871)
Cyrtostylis reniformis R.Br., Prod. Fl. Nov. Holl. 322 (1810)
 = *Acianthus reniformis* (R.Br.) Schlechter
- C. reticulata* Fitzg., Gdns' Chron. n.s. 17:462 (1882)
 = *C. huegelii* var. *reticulata* (Fitzg.) J.Z. Weber & R. Bates
- C. rigida* R.S. Rogers, Trans. R. Soc. S. Aust. 54:45 (1930)
 = *C. huegelii* var. *rigida* (R.S. Rogers) J.Z. Weber & R. Bates
- C. tentaculata* Tate, Trans. R. Soc. S. Aust. 12:130 (1889), nom. illeg.
 = *C. filamentosa* R.Br. var. *filamentosa*
- C. tessellata* Fitzg., Aust. Orchids 1(2) (1876)
 Type: Fitzg., Aust. Orchids 1(2) (1876)
C. cardiochila Tate, Trans. R. Soc. S. Aust. 9:60 (1887)
 Type: Collected by various members of the Field Naturalists' Club, 2.x.1886, Barabba Scrub, Hundred of Grace, S.A.
 - holo.: AD
- C. toxochila* Tate, Trans. R. Soc. S. Aust. 12:129 (1889)
 = *C. dilatata* var. *concinna* Rupp
- C. tutelata* R.S. Rogers, Trans. R. Soc. S. Aust. 31:211 (1907)
 Type: E. Ashby, 24.viii.1907, Blackwood, S.40 - holo.: AD, iso.: AD.
- C. unguiculata* Lindl., Sketch Veg. Swan Riv. col. 51 (1840)
 = *C. deformis* R.Br.
- C. variabilis* Nicholls, Vic. Net. 66:223 (1950)
 Type: J. Anderson, Sept. 1930, Yarrem, Vic. - syn.: MEL
 E. Bond & E.H. Homan, October 1930, Wonthaggi, Vic. - syn.: MEL

CALEANA

- Caleana* R.Br., Prod. Fl. Nov. Holl. 329 (1810)
- C. major* R.Br., Prod. Fl. Nov. Holl. 329 (1810)
- C. minor* R.Br., Prod. Fl. Nov. Holl. 329 (1810)
 = *Paracaleana minor* (R.Br.) D. Blaxell

CALOCHILUS

- Calochilus* R.Br., Prod. Fl. Nov. Holl. 320 (1810)
- C. campestris* R.Br., Prod. Fl. Nov. Holl. 320 (1810)
- C. imbarbis* R.S. Rogers, Trans. R. Soc. S. Aust. 51:4 (1927)
 Type: F. Rich, 24.x.1926, Rushworth, Vic. - lecto.: AD
- C. paludosus* R.Br., Prod. Fl. Nov. Holl. 320 (1810)
- C. robertsonii* Benth., Fl. Aust. 6:315 (1873)

CHILOGLOTTIS

- Chiloglottis* R.Br., Prod. Fl. Nov. Holl. 322 (1810)
- C. cornuta* Hook.f., Fl. Antarct. 1:69 (1844)
- C. trapeziformis* Fitzg. Aust. Orchids 1(3) (1877)
 Type: Fitzg. Aust. Orchids 1(3) (1877)

CORYBAS

- Corybas* Salisb., Parad. Lond. t.03 (1805)
Corysanthes R.Br., Prod. Fl. Nov. Holl. 328 (1810)
- C. despectans* D.L. Jones & R.C. Nash, Muelleria 3:165 (1976)
 Type: R.C. Nash, 0.viii.1967, Lower Coorong, S.A. - holo.: AD
- C. diemenicus* (Lindl.) Rupp, Proc. Linn. Soc. N.S.W. 53:551 (1928)
Corysanthes diemenica Lindl., Gen. & Spec. Orchid. P1.393 (1840)

Corybas cont.

- C. dilatatus (Rupp & Nicholls)Rupp, Proc.Linn.Soc.N.S.W. 53:551(1928)
 Corysanthes dilatata Rupp & Nicholls, Proc.Linn.Soc.N.S.W. 53:87(1928)
 Type: R.S. Rogers, 7.viii.1909, National Park Belair, S.A. - syn.: AD
- C. fordhamii (Rupp)Rupp, Vic.Nat.59:61(1942)
 Corysanthes fordhamii Rupp, Vic.Nat.58:83(1941)
 Type: F. fordhamii, Aug.1932, 1940, 1941, Brunswick Heads N.S.W.
 - syn.: NSW
- C. unguiculatus (R.Br.)Reichb.f., Beitr.Syst.Pfl. 43(1871)
 Corysanthes unguiculata R.Br., Prod.Fl.Nov.Holl. 328(1810)
 Type: D. Bauer, Port Jackson, N.S.W. - syn.: BM

CORYSANTHES

- Corysanthes R.Br., Prod.Fl.Nov.Holl. 328(1810)
 Corybas Salisb.
- C. diemenica Lindl., Gen. & Sp.Orchid.Pl. 393(1840)
 = Corybas diemenicus (Lindl.)Rupp
- C. dilatata Rupp & Nicholls, Proc.Linn.Soc.N.S.W. 53:87(1928)
 = Corybas dilatatus (Rupp & Nicholls)Rupp
- C. fordhamii Rupp, Vic.Nat. 58:83(1941)
 = Corybas fordhamii (Rupp)Rupp
- C. unguiculata R.Br., Prod.Fl.Nov.Holl. 328(1810)
 = Corybas unguiculatus (R.Br.)Reichb.f.

CRYPTOSTYLIS

- Cryptostylis R.Br., Prod.Fl.Nov.Holl. 317(1810)
- C. longifolia R.Br., Prod.Fl.Nov.Holl. 317(1810)
 = C. subulata (Labill.)Reichb.f.
- C. subulata (Labill.)Reichb.f. Beitr.Syst. Pfl.15(1871)
 Malaxia subulata Labill., Nov.Holl.P1.Spec. 2:62(1806)
 C. longifolia R.Br. Prod.Fl.Nov.Holl. 317(1810)
 Type: R.Brown, Apr.1804, Port Dalrymple, Tas. - syn.: BM, AD

CYRTOSTYLIS

- Cyrtostylis R.Br., Prod.Fl.Nov.Holl. 322(1810)
 = Acianthus R.Br.
- C. reniformis R.Br., Prod.Fl.Nov.Holl. 322(1810)
 = Acianthus reniformis (R.Br.)Schlechter

DENDROBIUM

- Dendrobium Sw. Nov.Act.Soc.Sc.Upsal. 6:82(1799)
- D. punctatum Sm., Exot. Bot. 1:21 (1804)
 = Dipodium punctatum (Sm.)R.Br.

DIPODIUM

- Dipodium R.Br., Prod.Fl.Nov.Holl. 330 (1810)
- D. punctatum (Sm.)R.Br., Prod.Fl.Nov.Holl. 331(1810)
 Dendrobium punctatum Sm., Exot.Bot. 1:21(1804)

DISPERIS

- Disperis Sw., Vet.Acad.Handl.Stockh. 21:218 (1800)
- S. alata Labill., Nov.Holl.P1.Sp. 2:59 (1806)
 = Pterostylis alata (Labill.)Reichb.f.

DIURIS

Diuris Sm., Trans.Linn.Soc. 4:222 (1798)

D. brevifolia R.S. Rogers, Trans.R.Soc.S.Aust. 46:148(1922)

= *D. sulphurea* var. *brevifolia* (R.S. Rogers) J.Z. Weber & R. Bates

D. elongata Sw., J.Bot.(Schrader) 1:159 (1805)

= *D. punctata* Sm.

D. fastidiosa R.S. Rogers, Trans.R.Soc.S.Aust. 51:6 (1927)

Type: W.H. Nicholls, 9.ix.1923, Tottenham, Vic. – lecto.: AD

W.H. Nicholls, 30.viii.1926, Tottenham, Vic. - syn.: AD

D. longifolia R.Br., Prod.Fl.Nov.Holl. 316 (1810)

Type: A. Menzies, 1791, West Coast of New Holland, W.A. - lecto.: BM,
iso.: BM

D. maculata Sm., Exot.Bot. 1:57 (1804)

D. palachila R.S. Rogers, Trans.R.Soc.S.Aust. 31:209 (1907)

Type: R.S. Rogers, 13.ix.1907, Blackwood, S.A. - lecto.: AD

R.S. Rogers, 22.ix.1906, Blackwood, S.A. - syn.: AD

R.S. Rogers, Sept. 1906 & 1907, Blackwood, S.A. - syn.: AD

D. Palustris Lindl., Gen. & Spec. Orchid.P1. 507 (1810)

D. pedunculata R.Br., Prod.Fl.Nov.Holl. 316 (1810)

D. punctata Sm., Exot. Bot. 1:13 (1804)

D. elongata Sw., J.Bot(Schrader) 1:59(1805)

D. sulphurea R.Br., Prod.Fl.Nov.Holl. 316 (1810)

var. *sulphurea*

var. *brevifolia* (R.S. Rogers) J.Z. Weber & R. Bates, in J.P. Jessop,

J.M. Black's Fl.S.Aust, ed.3(1):417(1978)

D. brevifolia R.S. Rogers, Trans.R.Soc.S.Aust. 46:148 (1922)

Type: R.S. Rogers, 11.xi.1906, Scott's Creek, S.A. - lecto.: AD

R.S. Rogers, 26.xi.1905, Longwood, S.A. - syn.: AD

R.S. Rogers, 26.xi.1905, Longwood, S.A.; 22.xii.1912,

Bridgewater S.A.; 2.xi.1906, Myponga, S.A. - syn.: AD

EPIPACTIS

Epipactis Adans., Fam. 2:70(1763)

E. porrifolia Sw., K.Svenska Vet.Acad.Handl. 21:233(1800)

= *Microtis unifolia* (Forst.f.) Reichb.f.

ERIOCHILUS

Eriochilus R.Br., Prod.Fl.Nov.Holl. 323(1810)

E. autumnalis R.Br., Prod.Fl.Nov.Holl. 323(1810)

= *E. cucullatus* (Labill.) Reichb.f.

E. cucullatus (Labill.) Reichb.f., Beitr.Syst.Pfl.27(1871)

Epipactis cucullata Labill., Nov.Holl.P1.Sp. 2:61(1806)

E. autumnalis R.Br., Prod.Fl.Nov.Holl. 323(1810)

Type: R. Brown, 1803, Port Jackson, N.S.W. - syn.: BM, AD

E. fimbriatus (Lindl.) F. Muell., Wing's South Sci.Rec. 2:152(1882)

Leptoceras fimbriata Lindl., Sketch Veg.Swan River Col. 53(1840)

= *Leporella fimbriata* (Lindl.) George

GASTRODIA

Gastrodia R.Br., Prod.Fl.Nov.Holl. 330(1810)

G. sesamoides R.Br., Prod.Fl.Nov.Holl. 330(1810)

Type: R. Brown, Port Jackson, N.S.W. - holo.: BM

GLOSSODIA

Glossodia R.Br., Prod.Fl.Nov.Holl. 325(1810)

G. major R.Br., Prod.Fl.Nov.Holl. 326(1810)

LEPORELLA

Leporella George, *Nuytsia* 1(2):183(1971)

L. fimbriata (Lindl.) George, *Nuytsia*, 1(2):183(1971)

Leptoceras fimbriatum Lindl., *Sketch Veg. Swan Riv. Col.* 53(1840)

Type: J. Drummond, Swan River, W.A. - holo.: K

Caladenia fimbriata (Lindl.) Reichb.f., *Beitr. Syst. Pfl.* 65(1871)

Eriochilus fimbriatus (Lindl.) F. Muell., *Wing's South Sci. Rec.* 2:152 (1882)

Leptoceras pectinata Lindl., *Sketch Veg. Swan Riv. Col.* 53(1840)

Type: J. Drummond, Swan River, W.A. holo.: K

LEPTOCERAS

Leptoceras (R.Br.) Lindl., *Sketch Veg. Swan Riv. Col.* 53(1840)

Caladenia R.Br. Sect. *Leptoceras* R.Br., *Prod. Fl. Nov. Holl.* 325(1810)

Leptoceras Fitzg., *Austr. Orchids* 2(4)(1888), nom. illeg., non (R.Br.) Lindl.

= *Leporella* George

L. fimbriata Lindl., *Sketch Veg. Swan Riv. Col.* 53(1840)

= *Leporella fimbriata* (Lindl.) George

L. menziesii (R.Br.) Lindl., *Gen. & Spec. Orchid. Pl.* 416(1840)

= *Caladenia menziesii* R.Br.

L. pectinata Lindl., *Sketch Veg. Swan Riv. Col.* 53(1840)

= *Leporella fimbriata* (Lindl.) George

LYPERANTHUS

Lyperanthus R.Br. *Prod. Fl. Nov. Holl.* 325(1810)

L. nigricans R.Br., *Prod. Fl. Nov. Holl.* 325(1810)

Type: R. Brown, Oct. 1803, Port Jackson, N.S.W. - holo.: BM, iso.: K

Caladenia nigricans (R.Br.) Reichb.f., *Beitr. Syst. Pfl.* 67(1871)

MACDONALDIA

Macdonaldia Gunn ex Lindl., *Sketch Veg. Swan Riv. Col.* 50(1840)

= *Thelymitra* Forst. & Forst.f.

M. antennifera Lindl., *Sketch Veg. Swan Riv. Col.* 50(1840)

= *Thelymitra antennifera* (Lindl.) Hook.f.

MALAXIS

Malaxis Sol, ex Sw., *Prod. Veg. Ind. Occ.* 119(1778)

M. subulata Labill., *Nov. Holl. Pl. Spec.* 2:62(1806)

= *Cryptostylis longifolia* R.Br.

MICROTIS

Microtis R.Br., *Prod. Fl. Nov. Holl.* 320

M. atrata Lindl., *Sketch Veg. Swan Riv. Col.* 54(1840)

Type: J. Drummond, Swan River, W.A. - holo.: K, iso.: K

M. minutiflora F. Muell., *Fragm. Phyt. Aust.* 1:90(1858)

M. minutiflora F. Muell., *Fragm. Phyt. Aust.* 1:90(1858)

= *M. atrata* Lindl.

M. oblonga R.S. Rogers, *Trans. R. Soc. S. Aust.* 47:339(1923)

Type: A.B. Braine, 19.xi.1920, Ringwood, Vic. - lecto.: AD, iso.: AD, CANB, MEL

A.B. Braine, 29.xii.1919, Cravensville, Vic. - syn.: AD

C.W. D'Alton, Dec. 1920, Hall's Gap, Vic. - syn.: AD

E. Coleman, 1.i.1922, Healesville, Vic. - syn.: AD

M. orbicularis R.S. Rogers, *Trans. R. Soc. S. Aust.* 31:63(1907)

Type: R.S. Rogers, 2.xi.1906, Myponga, S.A. - holo.: AD, iso.: AD, BM, CANB, NSW, PERTH

M. parviflora R.Br., *Prod. Fl. Nov. Holl.* 321 (1810)

Type: R. Brown, 1803-5, Port Jackson, N.S.W. - syn.: BM, AD

Microtis cont.

- M. porrifolia* (Sw.)R.Br. ex Spreng., Syst. Veg. 3:713(1826)
Epipactis porrifolia, Sw., K.Svenska Vet.Acad. Handl.21:233(1800)
 = *M. unifolia* (Forst.f.)Reichb.f.
M. unifolia (Forst.f.)Reichb.f., Beitr.Syst.Pfl.62(1871)
Ophrys unifolia Forst.f., Fl.Ins.Aust.Prod. 59(1786)
 Type: J.G.A. Forster, New Zealand, - holo.: GOET, iso.: P
M. porrifolia (Sw.)R.Br. ex Spreng., Syst. Veg. 3:713(1826)
Epipactis porrifolia Sw., K.Svenska Vet.Acad.Handl. 21:233(1800)

NEOTTIA

- Neottia* Guetard, Hist.Acad.Sci.Par. 1750, Mem. 374(1754)
N. australis R.Br., Prod.Fl.Nov.Holl. 319(1810)
 = *Spirantes sinensis* (Pers.)Ames
N. sinensis Pers., Synops.Pl. 2:511(1807)
 = *Spirantes sinensis* (Pers.)Ames

OPHRYS

- Ophrys* L., Gen.Pl. ed. 5:406(1754)
O. unifolia Forst.f., Ins.Aust.Prod. 59 (1786)
 = *Microtis unifolia* (Forst.f.)Reichb.f.

ORTHOCERAS

- Orthoceras* R.Br., Prod.Fl.Nov.Holl. 316 (1810)
O. strictum R.Br., Prod.Fl.Nov.Holl. 317 (1810)

PARACALEANA

- Paracaleana* D. Blaxal, Contr.N,S.W,Herb 4:280 (1972)
P. minor (R.Br.)D. Blaxal, Contr.N.S.W.Herb. 4:281 (1972)
Caleana minor R.Br., Prod.Fl.Nov.Holl. 329 (1810)

PRASOPHYLLUM

- Prasophyllum* R.Br., Prod.Fl.Nov.Holl. 317 (1810)
P. album R.S. Rogers, Trans.R.Soc.S.Aust. 33:211(1909)
P. odoratum var. *album* (R.S. Rogers)R.S. Rogers, J.M. Black, Fl.S.Aust. 126 (1922)
 = *P. patens* R.Br.
P. archeri Hook.f., Fl.Tas. 2:14 (1858)
P. ciliatum Ewart & Rees, Proc.R.Soc.Vic. n.s. 25:111 (1912)
P. intricatum C. Stuart ex Benth., Fl.Aust. 6:346(1873)
P. australe R.Br., Prod.Fl.Nov.Holl. 318 (1810)
P. ciliatum Ewart & Rees, Proc.R.Soc.Vic. n.s. 25:111 (1912)
 = *P. archeri* Hook.f.
P. constrictum R.S. Rogers, Trans.R.Soc.S.Aust. 33:213(1909)
 = *P. fuscum* R.Br. var. *fuscum*
P. despectans Hook.f., Fl.Tas. 2:13 (1858)
P. elatum R.Br., Prod.Fl.Nov.Holl. 318 (1810)
P. fitzgeraldii R.S. Rogers, Trans.R.Soc.S.Aust. 33:216 (1909)
 Type: R.S. Rogers, 24.ix.1908, Blackwood & Belair, S.A. - lecto.: SYD, iso.: AD
P. fuscoviride Reader, Vic.Nat. 14:163 (1898)
 = *P. nigricans* R.Br.
P. fuscum R.Br., Prod.Fl.Nov.Holl. 318 (1810)
 var. *fuscum*
P. constrictum R.S. Rogers, Trans.R.Soc.S.Aust. 33:213(1909)
 Type: R.S. Rogers, 9.x.1906, Taillem Bend, S.A. - holo.: AD
P. gracile non Lindl. (1840), R.S. Rogers, Trans.R.Soc.S.Aust. 33:213 (1909), no. illeg.
 Type: J. Tucker, 1.xi.1908, Sandergrrove, S.A. - lecto.: AD

Prasophyllum cont.

- var. *occidentale* (R.S. Rogers) J.Z. Weber & R. Bates, in J.P. Jessop, J.M. Black's Fl.S.Aust. ed.3(1):431 (1978)
P. occidentale R.S. Rogers, Trans.R.Soc.S.Aust. 32:11 (1908)
 Type: R.S. Rogers 26.ix.1907, Streaky Bay, S.A. – holo.: AD
- var. *validum* (R.S. Rogers) J.Z. Weber & R. Bates, in J.P. Jessop, J.M. Black's Fl.S.Aust. ed.3(1):431 (1978)
P. validum R.S. Rogers, Trans.R.Soc.S.Aust. 51:7 (1927)
 Type J.B. Cleland, 27.x.1926, Melrose, S.A. – holo.: AD
- P. goldsackii* J.Z. Weber & R. Bates, Journ.Adelaide.Bot.Gard. 1(3):167 (1978)
 Type H. Goldsack 611, 10.x.1954, Corny Point, S.A. – holo.: AD
- P. gracile* non Lindl. (1840), R.S. Rogers, Trans.R.Soc.S.Aust. 33:213 (1909)
 nom. illeg.
 = *P. fuscum* R.Br. var. *fuscum*
- P. hartii* R.S. Rogers, Trans.R.Soc.S.Aust. 51:8 (1927)
 Type T.S. Hart, 9.xi.1925, Bairnsdale, Vic. – holo.: AD
- P. intricatum* C. Stuart ex Benth., Fl.Aust. 6:346 (1873)
 = *P. archeri* Hook.f.
- P. nigricans* R.Br., Prod.Fl.Nov.Holl. 319 (1810)
 Type R. Brown, 3.iii.1802, Bay X (Port Lincoln), S.A. holo.: BM
P. fuscoviride Reader, Vic.Nat. 14:163 (1898)
 Type F.M. Reader, 1892, Lowan, Dimboola Shire, Vic. holo.: MEL
- P. occidentale* R.S. Rogers, Trans.R.Soc.S.Aust. 32:11(1908)
 = *P. fuscum* var. *occidentale* (R.S. Rogers) J.Z. Weber & R. Bates
- P. odoratum* R.S. Rogers, Trans.R.Soc.S.Aust. 33:209(1909)
 = *P. patens* R.Br. var. *patens*
- P. odoratum* var. *album*, (R.S. Rogers) R.S. Rogers, J.M. Black, Fl.S.Aust. 126(1922)
 = *P. patens* R.Br. var. *patens*
- P. pallidum* Nicholls, Proc.R.Soc.Vic. n.s. 46:33(1933)
- P. patens* R.Br., Prod.Fl.Nov.Holl. 318 (1810)
 var. *patens*
 Type: R. Brown, Port Jackson, N.S.W. - syn.: BM, AD
P. album R.S. Rogers, Trans.R.Soc.S.Aust. 33:211(1909)
 Type: R.S. Rogers, 15.ix.1907, Grunthal, S.A. – lecto.: AD
P. odoratum var. *album* (R.S. Rogers) R.S. Rogers, J.M. Black Fl.S.Aust. 126(1922)
P. odoratum R.S. Rogers, Trans.R.Soc.S.Aust. 33:209(1909)
 Type: R.S. Rogers, 13.x.1908, Blackwood, S.A. - lecto.: AD
P. rotundiflorum R.S. Rogers, Trans.R.Soc.S.Aust. 33:210 (1909)
 Type: R.S. Rogers, 12.x.1907, Cherry Gardens, S.A. lecto.: AD
- var. *pruinsum* (R.S. Rogers) R.S. Rogers in J.N. Black, Fl.S.Aust. 126 (1922)
P. pruinsum R.S. Rogers, Trans.R.Soc.S.Aust. 33:211(1909)
 Type: R.S. Rogers, 18.ix.1908, Blackwood, S.A. - lecto.: AD
 R.S. Rogers, 28.x.1908, Blackwood, S.A. - syn.: AD
 R.S. Rogers, 4.xi.1908, National Park, Belair, S.A. - syn.: AD
- P. pruinsum* R.S. Rogers, Trans.R.Soc.S.Aust. 33:211(1909)
 = *P. patens* var. *pruinsum* (R.S. Rogers) R.S. Rogers in J.M. Black
- P. rotundiflorum* R.S. Rogers, Trans.R.Soc.S.Aust. 33:210 (1909)
 = *P. patens* R.Br. var. *patens*
- P. rufum* R.Br., Prod.Fl.Nov.Holl. 319 (1810)
- P. validum* R.S. Rogers, Trans.R.Soc.S.Aust. 51:7 (1927)
 = *P. fuscum* var. *validum* (R.S. Rogers) J.L. Weber & R. Bates

PTEROSTYLIS.

- Pterostylis* R.Br., Prod.Fl.Nov.Holl. 326 (1810)
P. acuminata R.Br., Prod.Fl.Nov.Holl. 326 (1810)

Pterostylis cont.

- var. *acuminata* (not in S. Australia)
Type: R. Brown, Sydney, N.S.W. - syn.: BM, AD
- var. *ingens* Rupp, Proc.Linn.Soc.N.S.W., 53:552(1928)
= *P. x ingens* (Rupp) D.L. Jones
- P. alata* (Labill.) Reichb.f., Beitr, Syst. Pfl. 70(1871)
var. *alata*
Disperis *alata* Labill., Nov.Holl.Pl. Spec. 2:59 (1806)
P. praecox Lindl., Gen. & Spec., Orchid. Pl. 388 (1840)
- var. *robusta* (R.S. Rogers) J.Z. Weber & R. Bates, in J.P. Jessop, J.M. Black's Fl.S.Aust. ed. 3(1):437 (1978)
P. robusta R.S. Rogers, Trans.R.Soc.S.Aust. 51:296(1927)
Type: R.S. Rogers, 27.v.1905, Belair National Park, S.A. - lecto.: AD
P. praecox var. *robusta* Ewart & Sharman, Proc.R.Soc.Vic. n.s. 28:234 (1915), nom, nud.
P. scabra var. *robusta* (R.S. Rogers) George, Nuytsia 1(2):191(1971)
P. hamiltonii non Nicholls (1933), sensu J.M. Black, Fl.S.Aust, ed. 2(1):246(1943)
- P. barbata* non Lindl. (1840), sensu J.M. Black, Fl.S.Aust. ed. 2(1):247 (1943)
= *P. plumosa* Cady
- P. biseta* Blackmore & Clemesha, Orchadian 2(12):150 (1968)
Type: R.S. Rogers, 24.xi.1906, Blackwood, S.A. - holo.: NSW, iso.: AD
- P. boormanii* Rupp, Orchids N.S.W. 98 (1943)
Type: J.L. Boorman Oct. 1906, Peak Hill, N.S.W. - holo.: NSW
- P. concinna* R.Br., Prod.Fl.Nov.Holl. 326 (1810)
Type: G. Caley, June 1804, Sydney N.S.W. - syn.: BM, AD
- P. cucullata* R.Br., Prod.Fl.Nov.Holl. 327 (1810)
- P. curta* R.Br., Prod.Fl.Nov.Holl. 326 (1810)
- P. cynocephala* Fitzg., Aust. Orchids 1(2) (1876)
Type: Fitzg., Aust. Orchids 1(2) (1876)
- P. falcata* R.S. Rogers, Proc.R.Soc.Vic. n.s. 28:106(1915)
Type: C. French Junr., Oct.1911, Dandenong Creek near Oakleigh, Vic. - lecto.: AD
E.E. Prescott, Nov.1900, Orbost, Vic. - syn.: AD
- P. foliata* Hook.f., Fl.Nov.Zel. 1:249 (1853)
P. vereenae R.S. Rogers, Trans.R.Soc.S.Aust. 38:360 (1914)
Type: V. Jacobs, 23.ix.1915, Cherry Gardens, S.A. - lecto.: AD
- P. gibbosa* R.Br., Prod.Fl.Nov.Holl. 328 (1810)
ssp. *gibbosa* (not in S. Australia)
ssp. *mitchellii* (Lindl.) Blackmore & Clemesha, Orchadian 2(12):161 (1968)
= *P. mitchellii* Lindl.
- P. hamata* Blackmore & Clemesha, Orchadian 2(12): 154 (1968)
Type: B. Whitehead, 29.x.1966, Koorawatha, N.S.W. - holo.: NSW
- P. hamiltonii* non Nicholls (1933), sensu J.M. Black, Fl.S.Aust. ed. 2(1):246 (1943)
= *P. alata* var. *robusta* (H.S. Rogers) J.Z. Weber & R. Bates
- P. x ingens* (Rupp) D.L. Jones, Orchadian 5(5):54 (1976)
P. acuminata var. *ingens* Rupp, Proc.Linn.Soc.N.S.W. 53:552 (1920)
Type: E. coleman, Sept.1927, Healesville, Vic. - lecto.: AD
A single collection from S. Australia, from Port Eliot District (1895).
- P. longifolia* R.Br., Prod.Fl.Nov.Holl. 327 (1810)
Type: G. Caley, 1804, Port Jackson, N.S.W. - syn.: BM, AD
- P. mitchellii* Lindl., in Mitchell, J.Trop.Aust. 365 (1848)
Type: T.L. Mitchell, 27.ix.1836, Mt. Kennedy, Qld, - holo.: K
P. gibbosa ssp. *mitchellii* (Lindl.) Blackmore Clemesha, Orchadian 2(12): 161(1968)
P. rufa var. *mitchellii* (Lindl.) Fitzg., Moore & Batche, Hand.Fl.N.S.W. 401(1893)

Pterostylis cont.

- P. mutica* R.Br., Prod.Fl.Nov.Holl. 320(1810)
 Type: R. Brown, Port Jackson, N.S.W. - holo.: BM, iso.: K
- P. nana* R.Br., Prod.Fl.Nov.Holl. 327 (1810)
 Type: D. Paterson, Port Dalrymple, Tas. - holo.: BM
- P. nutans* R.Br., Prod.Fl.Nov.Holl. 327((1810)
- P. obtusa* R.Br., Prod.Fl.Nov.Holl. 327 (1810)
 Type: R. Brown, 1804, Port Jackson, N.S.W. - syn.: BM, AD
- P. parviflora* R.Br., Prod.Fl.Nov.Holl. 327 (1810)
- P. pedunculata* R.Br., Prod.Fl.Nov.Holl. 327 (1810)
- P. plumosa* Cady, Austral.Pl. 5(39):138 (1969)
 Type: W. Brinsley, Oct.1961, Road to Abercrombie Caves, N.S.W. - holo.: NSW
 iso.: Herb. L.I. Cadey 1614
P. barbata non Lindl. (1840), sensu J.M. Black, Fl.S.Aust. ed. 2(1):
 247(1943)
- P. praecox* Lindl., Gen. & Spec. Orchid. Pl. 388 (1840)
 var. *praecox*
 = *P. alata* (Labill.)Reichb.f. var. *alata*
 var. *robusta* Ewart & Sharman, Proc.R.Soc.Vic, n.s. 28:234(1916)
 = *P. alata* var. *robusta* (R.S. Rogers)J.Z. Weber & R. Bates
- P. pusilla* R.S. Rogers, Trans.R.Soc.S.Aust. 42:26 (1918)
 var. *pusilla*
 = *P. rufa* R.Br. var. *rufa*
 var. *aciculiformis* Nicholls, Vic. Nat. 52: 167 (1936)
 = *P. rufa* R.Br. var. *rufa*
- P. robusta* R.S. Rogers, Trans.R.Soc.S.Aust. 51:296(1927)
- P. robusta* (Ewart & Sharman)R.S. Rogers, J.H. Willis, Handb. Pl.Vic. 409(1962),
 nom. nud.
 = *P. alata* var. *robusta* (R.S. Rogers)J.Z. Weber & R. Bates
- P. rufa* R.Br., Prod.Fl.Nov.Holl. 327 (1810)
 var. *rufa*; ssp. *rufa*
 Type: R. Brown, Port Jackson, N.S.W. holo.: BM, iso.: Fl, G, K, P
P. pusilla R.S. Rogers, Trans.R.Soc.S.Aust. 42:26 (1918)
 Type: N.E. Jacob, 3-12.x.1917, Geranium, S.A. - lecto.: AD,
 iso.: AD
P. rufa var. *squamata* (R.Br.)Fitzg., Moore & Betcher, Handb.Fl.
 N.S.W. 401 (1893)
P. squamata R.Br., Prod.Fl.Nov.Holl. 327 (1810)
 Type: R. Brown, Table Mountains, Tas. - holo.: BM
- var. *mittchellii* (Lindl.)Fitzg., Moore & Betcher, Handb.Fl.N.S.W. 401(1893)
 = *P. mittchellii* Lindl.
- var. *squamata* (R.Br.)Fitzg., Moore & Betcher, Handb.Fl.N.S.W. 401(1893)
 = *P. rufa* R.Br. var. *rufa*
- ssp. *aciculiformis* (Nicholls)Blackmore & Clemesha, Orchadian 2(12):164
 (1968) - does not appear to occur in S.Aust.
- P. scabra* var. *robusta* (R.S. Rogers)George, Nuytsia 1(2):191(1971)
P. robusta R.S. Rogers, Trans.R.Soc.S.Aust. 51:296(1927)
 = *P. alata* var. *robusta* (R.S. Rogers)J.Z. Weber & R. Bates
- P. squamata* R.Br., Prod.Fl.Nov.Holl. 327(1810)
 = *P. rufa* R.Br. var. *rufa*
- P. tenuissima* Nicholls, Vic.Nat. 67:46(1950)
 Type: C. Beauglehole, Oct.1946, Nelson, Vic. - holo.: MEL
- P. vereenae* R.S. Rogers, Trans.R.Soc.S.Aust. 38:360(1914)
 = *P. foliata*, Hook.f.
- P. vittata* Lindl., Sketch Veg. Swan River Col. 53(1840)
 Type: A. Collie, Interior of King George Sound, W.A. - lecto.: K, iso.: K
 Henslow, Western Australia - syn.: K

SPIRANTHES

- Spiranthes* L.C. Rich., *Nem. Mus. Par.* 4:50 (1818)
S. australis (R.Br.)Lindl., *Edward's Bot.Reg.* 10: sub. t.823(1824)
Neottia australis R.Br. *Prod.Fl.Nov.Holl.* 319 (1810)
= *S. sinensis* (Pers.)Ames
S. lancea (Thunb. ex Sw.)Becker, *Bakh.f. Steenis, Blumea* 6:361 (1950),
was shown not to be synonymous with *S. sinensis* by J. Vuijk in *Blumea*
11:226-228 (1961)
S. sinensis (Pers.)Ames, *Orchidaceae* 2:53(1908)
Neottia sinensis Pers., *Synops. Pl.* 2:511(1807)
Neottia australis R.Br., *Prod.Fl.Nov.Holl.* 319 1810)
Spiranthes australis (R.Br.)Lindl., *Edward's Bot.Reg.* 10:
sub.t.823(1824)

THELYMITRA.

- Thelymitra* Forst. & Forst.f., *Char. Gen.Pl.* 97:t49 (1776)
Macdonaldia Gunn ex Lindl., *Swan Riv. App.* 50.t.9 (1839)
T. antennifera (Lindl.)Hook.f., *Fl.Tas.* 2:4(1858)
Macdonaldia antennifera Lindl., *Setch Veg. Swan River Col.* 50(1840)
Type: J. Drummond, Swan River, W.A. - lecto.: K
Molloy, Augusta, W.A. - syn.: K, L
T. aristata Lindl., *Gen. & Spec. Orchid.Pl.* 521(1840)
var. *aristata*
T. grandiflora Fitzg., *Gdnr's Chron. n.s.* 17:495(1882)
Type: Fitzg., *Aust.Orchids* 2(3) (1888)
var. *megcalyptra* (Fitzg.)Nicholls ex J.M. Black, *Fl.S.Aust. ed.2(1):*
215(1943)
T. megcalyptra Fitzg., *Aust. Orchids* 1(5) (1879)
Type: Fitzg., *Aust. Orchids* 1(5) (1879)
= *T. longifolia* Forst. & Forst.f.
T. aristata non Lind. (1840), sensu J.M. Black, *Fl.S.Aust. ed.2(1):*215
(1943)
= *T. longifolia* Forst. & Forst.f.
T. azurea R.S. Rogers, *Trans.R.Soc.S.Aust.* 41:342 (1917)
= *T. canaliculata* R.Br.
T. canaliculata R.Br., *Prod.Fl.Nov.Holl.* 314(1810)
Type: R. Brown, Dec. 1801, King George Sound, W.A. - holo.: BM
T. azurea R.S. Rogers, *Trans.R.Soc.S.Aust.* 41:342 (1917)
Type: R.S. Rogers, 19.xi.1916, near Victor Harbour, S.A. -
holo.: AD, iso.: NSW
T. carnea; R.Br., *Prod.Fl.Nov.Holl.* 314 (1810)
var. *carnea*
Type: R. Brown, Oct.-Nov. 1803, Towards George's River and near
Parramatta, N.S.W. - holo.: BM
var. *rubra* (Fitzg.)J.Z. Weber & R. Bates, in J.P. Jessop, J.M. Black's
*Fl.S.Aust. ed.3(1):*455 (1978)
T. rubra Fitzg., *Gdnrs' Chron. n.s.* 17:495 (1882)
Type: Fitzg., *Aust. Orchids* 2(1) (1884)
T. urnalis Fitzg., *Gdnrs' Chron. n.s.* 17:495(1882)
Type: Fitzg., *Aust.Orchids* 2(3) (1888)
T. chasmogama R.S. Rogers, *Trans.R.Soc.S.Aust.* 51:4 (1927)
Type: R.S. Rogers, 23.x.1921, Golden Grove, S.A. - holo.: AD
T. decora Cheeseman, *Nan. N.Z. Fl.* 1151(1906)
Type: T.F. Cheeseman, Summit of Mt. Kakaramea, N.Z. - lecto.: AK
T. truncata R.S. Rogers, *Trans.R.Soc.S.Aust.* 41:343(1917)
Type: R.S. Rogers, 19.x.1907 (mispr. 29.x.), Myponga S.A. - holo.:AD
T. ixioides var. *truncata* (R.S. Rogers)Nicholls, *Vic.Nat.*
60:55 (1943)
T. epipactoides F.Muell, *Fragm Phyt.Aust.* 5:174(1866)
T. flexuosa Endl., *Nov. Stirp. Dec.* 23 (1839)
Type: C. Ruegel, King George Sound, W.A. - holo.: W
T. fuscolutea R.Br., *Prod.Fl.Nov.Holl.* 315 (1810)

Thelymitra cont.

- Type: R. Brown, Dec. 1801, King George Sound, W.A. - holo.: BM
T. grandiflora Fitzg., Gdnrs' Chron. n.s. 17:495 (1882)
 = *T. aristata* Lindl
- T. irregularis* Nicholls, Vic.Nat. 63:126 (1946)
 Type: E.H. Homan, Nov.1934, Wonthaggi, Vic. - holo.: MEL
- T. ixioides* Sw., K. Svenska Vet. Aced. Handl. 21:228 (1800)
 var. *ixioides*
 var. *truncata* (R.S. Rogers) Nicholls, Vic.Nat. 60:55 (1943)
T. truncata R.S. Rogers, Trans.R.Soc.S.Aust. 41:343 (1917)
 = *T. Jecora* Cheesem.
- T. longifolia* Forst. & Forst.f., Char.Gen.Pl. 98:t.49 (1776)
T. nuda R.Br., Prod.Fl.Nov.Holl. 314 (1810)
 Type: R.Br., Port Dalrymple, Tas. - holo.: BM, iso.: E, K
- T. megalyptra* Fitzg., Aust.Orchids 1(5) (1879)
 Type Fitzg., Aust.Orchids 1(5) (1879)
T. aristata var. *megalyptra* (Fitzg.) Nicholls ex J.M. Black, Fl.S.Aust. ed.2(1):216 (1943)
T. aristata non Lindl. (1840), sensu J.M. Black, Fl.S.Aust. ed.2(1): 215 (1943)
- T. luteocilium* Fitzg., Gdnrs' Chron. n.s. 17:495 (1882)
 Type: Fitzg., Aust.Orchids 2(1) (1884)
- T. mackibbinii* F.Muell., Chem. & Drugg. Lond.Aust.Suppl. 42:44(1881)
- T. macmillenii* F.Muell., Fragm.Phyt.Aust. 5:93(1865)
 Type: T. McMillen, Port Phillip, prope, montes Eliza at Martha, N.S.W. - ho1o.: MEL
- T. matthewsii* Cheesem., Trans.N.Z.Inst. 43:177(1911)
 Type: H.B. Matthews, Sept.1911, Lake Tangonge, N.Z. - neo.: AK
T. daltonii R.S. Rogers, Trans.R.Soc.S.Aust. 54:42(1930)
 Type: B. & W. Braine, 26.ix.1929, Hall's Gap, Vic. - lecto.: AD
 C.W. D'Alton, 8.x.1922, Hall's Gap, Vic. syn.: AD
- T. megalyptra* Fitzg., Aust.Orchids 1(5) (1879)
T. aristata var. *megalyptra* (Fitzg.) Nicholls ex J.M. Black, Fl.S.Aust. ed. 2(1):215 (1943)
 = *T. longifolia* Forst. & Forst.f.
- T. mucida* Fitzg., Gdnrs'. Chron. n.s, 17:495 (1882)
 Type: "Wilsons Inlet, Sept." handwritten by R.D. Fitzgerald, W.A. - lecto.: BM, iso.: NSW
- T. nuda* R.Br., Prod.Fl.Nov.Holl. 314(1810)
 = *T. longifolia* Forst. & Forst.f.
- T. pauciflora* R.Br., Prod.Fl.Nov.Holl. 314(1810)
 Type: R. Brown, 1803, Port Jackson, N.S.W. - holo.: BM, iso.: E
 This species is closely related to *T. longifolia*, but further work is required to ascertain the status of these species.
- T. rubra* Fitzg., Gdnrs' Chron, n.s. 17:495 (1882)
 = *T. carnea* var. *rubra* (Fitzg.) J.Z. Weber & R. Bates
- T. truncata* R.S. Rogers, Trans.R.Soc.S.Aust. 41:343(1917)
T. ixioides var. *truncata* (R.S. Rogers) Nicholls, Vic.Nat. 60:55(1943)
 = *T. decora* Cheesem.
- T. urnalis* Fitzg., Gdnrs' Chron, n.s. 17:495(1882)
 = *T. carnea* var. *rubra* (Fitzg.) J.Z. Weber & R. Bates
- T. venosa* R.Br., Prod.Fl.Nov.Holl. 314(1810)
 Type: R. Brown, 1803, Port Jackson, N.S.W. -holo.: BM, iso.: E

CHANGES INTRODUCED IN THE NEW "BLACK'S FLORA" by R. Bates*

This paper explains the new combinations and revised synonymy introduced by J.Z. Weber and R. Bates in the South Australian Orchidaceae, published in J.P. Jessop, J.M. Black's Flora of South Australia, ed.3(1) (1978).

Eight new combinations are made and eight taxa reduced to synonymy. The taxa affected by the changes are all based on Material Collected in S.A. and many are endemic.

Early botanical authors often described species from single specimens or based a taxon on specimens from a single population or clone. What these authors were not able to see was the total variation over a large range habitats in a greater geographical area; variation which links up several named species into one single heterozygous species. Two very diverse populations may seem to be distinct but examination of a great many intermediate populations reveals that only one variable species is involved.

The authors of the following changes in nomenclature were greatly assisted by the comprehensive herbarium of R.S. Rogers (the author of many taxa involved). Rogers had begun to change his opinion on the status of some of his species and though noted on his herbarium sheets the possibility of reducing several of them very few such changes were ever published by him.

Type material was examined wherever possible and further insight gained by using live material (including plants in cultivation) of taxa involved. Types are cited by J.Z. Weber, N.O.S.S.A. Journal Vol.3, No.6, and this information is not repeated here.

Prior to publication of the Flora, notice of the intended new combinations was sent to botanists working on terrestrial orchids in Australia, for consultation.

I Reduction to synonymy

Caladenia dilatata var. *concinna* Rupp, Proc.Linn.Soc. N.S.W, 53:554 (1928)
- *C. toxochila* Tate, Trans.R.Soc.S.Aust. 12:129 (1889)

Willis, Pl.Vict. 1:386(1962) proposed that these taxa are the same. Examination of the Types of each shows his proposal to be correct. They were previously separated "Black's Fl." (1963) on the basis that *C. toxochila* possessed glandular sepal tips while *C. dilatata* var. *concinna* did not. This feature is not constant in specimens from even the type localities of either taxon.

II Reduction to synonymy

Caladenia filamentosa R.Br., Prod.Fl.Nov.Holl. 324(1810) -
C. filamentosa var. *tentaculata* R.S. Rogers in J.M. Black's Flora S.Aust. 138 (1922)

Rogers (l.c.) states that the variety is 'morphologically identical with the type but differing in colouration'. It is unsatisfactory to base a variety on colour alone and as intermediate colour forms occur the var. *tentaculata* has little value.

A.S. George (per. comm.) notes that in W.A. var. *tentaculata* can be separated on the basis of its narrower labellum; however specimens of *C. filamentosa* examined from Tasmania (inc. from the type locality) possess much narrower labella than W.A. material of *C. filamentosa*.

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III New Combination

Caladenia filamentosa var. *bicallata* (R.S. Rogers) J.Z. Weber & R. Bates
Fl.S.Aust. ed.3(1): 395(1978) - *C. bicallata* R.S. Rogers, Trans.R.Soc.
S.Aust. 33:17(1909)
Rogers based *C. bicallata* on a single specimen from near Kingscote,
Kangaroo Island, S.A. W.H. Nicholls in *Orchids of Aust.* 65(1969) notes
that *C. bicallata* has obvious affinities with *C. filamentosa*
lacking the very long filamentous points of the latter. "This single
feature is the only constant point of separation found by the authors.

IV New Combination

Caledonia huegelii var. *reticulata* (Fitzg.) J.Z. Weber and R. Bates
Fl. S.Aust. ed.3(1):397(1978) - *C. reticulata* Fitzg., Gdns' Chron. N.S. 17:
462 (1882)
The variable var. *huegelii* is generally more robust than var. *reticulata*
and W.A. specimens have longer denticulations to the labellum, however
smaller W.A. specimens approach the var. *reticulata* so closely as to
render separation of dried material very difficult,

V New Combination

Caladenia huegelii var. *rigida* (R. S. Rogers) J.Z. Weber and R. Bates
Fl. S.Aust. ed.3(1):397(1978) - *C. rigida* R.S. Rogers, Trans.R.Soc.S.Aust.
54:45(1930)
Rogers (l.c.) notes that *C. rigida* is "very similar to *C. reticulata*"
The var. *rigida* differs from var. *huegelii* and var. *reticulata* in
having white flowers with lateral sepals larger and more erect.
Morphologically it lies within the range of var. *huegelii*.
The var. *rigida* can easily be mistaken for the white form of
C. patersonii - R.Br. but differs in having clubbed sepals and non
glandular petal tips.

VI New Combination

Diuris sulphurea var. *brevifolia* (R.S. Rogers) J.Z. Weber and R. Bates
Fl.S.Aust. Ed.3(1):416(1978) - *D. brevifolia* R.S. Rogers, Trans.R.Soc.S.Aust. 46:148(1922)
Rogers (l.o.) mentions the similarity of *D. brevifolia* and *D. sulphurea*.
The larger number of leaves of var. *brevifolia* was used as a major point
of separation in the past; however it often flowers with only 3 leaves,
particularly in cultivation. The only constant feature separating the
two appears to be the shorter, narrower leaves of var. *brevifolia*.
Var. *sulphurea* and var. *brevifolia* are geographically isolated varieties
in S.A. Var. *brevifolia* probably does not occur in the other states
where small specimens of var. *sulphurea* could easily be mistaken for
it.

VII Reduction to synonymy

Prasophyllum fuscum R.Br., Prod.Fl.Nov.Holl. 318(1810) var. *fuscum* -
P. constrictum R.S. Rogers, Trans.R.Soc.S.Aust. 33:213(1909)
P. gracile R.S. Rogers, Trans.R.Soc.S.Aust. 33:213 (1909) nom.illeg.,
non Lindl., (1840)
There is only one specimen on the type sheet of *P. constrictum* and no
other material has been identified as this species. The single type
collection of *P. constrictum* is within the range of variation of
P. fuscum var. *fuscum*.
Specimens from the type locality of *P. gracile* showed a similar range
of variation to the specimens seen of *P. fuscum* var. *fuscum* which
easily covers the material identified as *P. gracile*.
Rogers in his review of S.A. *Prasophyllum*, in Trans.R.Soc.S.Aust. 33:
213(1909) misinterprets *P. fuscum*, using the name for a plant later
described by W.H. Nicholls as *P. pallidum* Proc.R.Soc.Vic. 46:33(1933)

VIII New Combination

P. fuscum var. *occidentale* (R.S. Rogers) J.Z Weber and R. Bates Fl.S.Aust. Ed.3(1): 430(1978) – *P. occidentale* R.S. Rogers Trans.R.Soc.S.Aust. 32:11 (1908).

As var. *fuscum* and var. *occidentale* are both extremely variable, separation of the two is difficult. Var. *occidentale* has generally smaller flowers, less distinct callus plate and flowers earlier (Sept-Oct). R.S. Rogers noted on later collections in his herbarium the difficulty in distinguishing between specimens of his *P. gracile*, which is what he named most material of *P. fuscum*, and *P. occidentale*.

IX New Combination

P. fuscum var. *validum* (R.S. Rogers) J.Z. Weber & R. Bates Fl.S.Aust. Ed.3(1):431 (1978). - *P. validum* R.S. Rogers, Trans.R.Soc.S.Aust. 51:7 (1927). Rogers (l.c.) likened his *P. validum* to *P. constrictum* (syn. *P. fuscum* var. *fuscum*).

Var. *validum* shows the same flower morphology as some forms of var. *occidentale* but whereas the latter is usually short and slender with leaf greatly exceeding the inflorescence and with flowers of varied hue, var. *validum* is tall and robust with leaf shorter than inflorescence and flowers wholly greenish. The flowers of var. *validum* are up to twice the size of var. *occidentale* and in cultivation under the same conditions bloom over a month later.

X Reduction to synonymy

Prasophyllum patens R.Br., Prod.Fl.Nov.Holl. 318(1810) var. *patens*
- *P. album* R.S. Rogers, Trans.R.Soc.S.Aust. 33:211(1909)
- *P. odoratum* R.S. Rogers Trans.R.Soc.S.Aust, 33:209(1909)
- *P. odoratum* var. *album* (R.S. Rogers) R.S. Rogers in J.M. Black, Fl.S.Aust. 126(1922)
- *P. rotundiflorum* R.S. Rogers, Trans.R.Soc.S.Aust. 33:210(1909)
Rogers separated *P. odoratum* from *P. patens* on the basis that *P. odoratum* has a greater degree of flexion in its labellum, did not possess the bidentate lateral sepals of *P. patens*, that its lateral sepals were more spreading and that the specimens he had seen were perfumed. However, the type specimen of *P. patens* has labellum reflexed at 180°, not bidentate lateral sepals and the epithet *patens* in fact means spreading and refers to the lateral sepals. The presence or absence of perfume is a variable feature of *P. patens* and should not be used as a feature of separation.

P. rotundiflorum is represented by the single type specimen only in AD. Examination of the types, other dried material labelled by Rogers and live material from the type localities of *P. odoratum*, *P. album* and *P. rotundiflorum* reveals them to be conspecific with *P. patens* R.Br.

XI reduction to synonymy

P. patens var. *pruinsum* (R.S. Rogers) R.S. Rogers in J.M. Black, Fl. S.Aust. 126(1922)
P. patens var. *patens* Rogers l.c. non R.Br.
- *P. pruinsum* R.S. Rogers, Trans.R.Soc.S.Aust. 33:211(1909)
Rogers (l.c. 215) incorrectly interpreted *P. patens*. The features of 'not acutely reflexed labellum', 'bidentate lateral sepals' and 'lateral sepals not diverging widely' do not agree with the type of R. Brown's *P. patens*. They do agree well with Roger's own *P. pruinsum* which he later reduced to *P. patens* var. *Pruinosum* and it is. proposed to accept this latter epithet to cover all the material previously incorrectly labelled by Rogers as *P. patens* var. *patens*.

XII New Combination

Pterostylis alata var. *robusta* (R.S. Rogers) J.Z. Weber and R. Bates Fl.S.Aust.

Ed.3(1): 437(1978).

- *P. robusta* R.S. Rogers, Trans.R.Soc.S.Aust. 51:296(1927)

- *P. praecox* var. *robusta* Ewart & Sharman, Proc.R.Soc.Vic. n.s. 28:234 (1915) nom. solo.

P. scabra var. *robusta* (R.S. Rogers) George, Nuytsia 1:191(1971)

This taxon was first brought to attention by Ewart & Sharman. Proc.R.Soc.Vic. n.s. 28:231

(1916) as *P. praecox* var. *robusta* only as a name

and figure but without description. *P. praecox* is a synonym of *P. alata*

(Labill.)Reichb.f.). A valid description was given by Rogers in Trans.R.

Soc.S.Aust. 51:296(1927) as *P. robusta*.

Pterostylis alata basionym *Disperis alata* Labill, Nov.Holl.Pl. Sp. 2:59 1806) is based on Tasmanian material.

P. alata var. *robusta* differs from Tasmanian material of var. *alata* only in the larger flowers. Basic morphology is the same only the proportions differ. Material of var. *alata* from South Australia's South East region compares very well with Tasmanian material of var. *alata*. Populations are known from the southern Mt. Lofty Ranges and Kangaroo Island which appear intermediate between var. *alata* and var. *robusta*. Nicholls Orchids of Aust. 84(1969) also records an intermediate form.

A.S. George reduced *P. robusta* to *P. scabra* var. *robusta*, , Nuytsia 1(2)

191(1971), but considering its similarity to *P. alata* and the presence of intermediate populations it was preferred to make it a variety of *P. alata*.

The W.A. populations appear to differ in some details from eastern state populations of *alata* var. *robusta* and may represent a distinct variety linking *P. alata* with *P. scabra*.

XIII New Combinations

Thelymitra carnea var. *rubra* (Fitzg.)J.Z. Weber & R. Bates Fl.S.Aust.

Ed.3(1):455(1978)

- *T. rubra* Fitzg. Gdnr's Chron. 17:495(1882)

- *T. urnalis* Fitzg. Gdnr's Chron. 17:495(1882)

Fitzgerald himself suggested that *T. carnea* and *T. rubra* may be forms of a single species. Later authors i.e. Rogers and Rupp did not accept *T. rubra*. Rogers omitted it from J.M. Black's Fl.S.Aust. 1st ed.(1922) despite the fact that Fitzgerald had collected the material for *T. rubra* from 'the vicinity of Mt. Lofty, S.A.'. Some populations of var. *rubra* from this area produce a staminodal spur at the front of the column giving it an urn shaped appearance and it was probably from specimens in bud of this form that *Th. urnalis* was described.

Populations of var. *rubra* and var. *carnea* often tend to run into each other wherever they are sympatric and over much of their range it is extremely difficult to separate the two. The common form in S.A. is the var. *rubra*; var. *carnea* is rare here.

XIV Reduction to synonymy

Thelymitra decora Cheesm., Man.N.Z.Fl. 1151(1906)

- *T. truncata* R.S. Rogers, Trans.R.Soc.S.Aust. 41:343(1917)

- *T. ixioides* var. *truncata* (R.S. Rogers)Nicholls, , Vic.Nat.60:55(1943)

The material, inc.type, of *T. truncata* from the Adelaide herbarium was sent in 1977 to Dr L.B. Moore of the Dept. of Scientific & Industrial Research, Botany Div. Wellington (N.Z.) who on comparison with the type of *T. decora* decided the two taxa to be synonymous. *T. decora* appears to be of hybrid origin with *T. ixioides* Sw. as one of the parents.