

C E I B A

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AN ENUMERATION OF THE ORCHIDACEAE
OF
CENTRAL AMERICA,
BRITISH HONDURAS
AND
PANAMA

LOUIS O. WILLIAMS

(Continuation.)

EPIDENDRUM ONCIDIOIDES var. MOOREANUM (Rolfe)
AHS. in Bot. Mus. Leaflet. Harv. Univ. 3: 106. 1935.

Epidendrum Mooreanum Rolfe in Kew Bull. 199.
1891.

Encyclia Mooreana Schltr., Orch. 210. 1914.

Encyclia Tonduziana Schltr. in Fedde Rep. Beih. 19:
132. 1923.

Encyclia Brenesii Schltr., 1. c. 221.

Encyclia oncidioides var. *Mooreana* Hoehne in Arq.
Bot. Est. S. Paulo n. s. 2: 151. 1952.
Costa Rica and Panama.

EPIDENDRUM ONCIDIOIDES var. RAMONENSE (Reichb.
f.) AHS. in Bot. Mus. Leaflet. Harv. Univ. 3: 103. 1935.

Epidendrum ramonense Reichb. f., Beitr. Orch. Cent.
Am. 81. 1866.

Encyclia ramonensis Schltr. in Beih. Bot. Centralbl. 36, Abt. 2: 473. 1918.

Encyclia Powellii Schltr. in Fedde Rep. Beih. 17: 46. 1922.

Encyclia oncidioides var. *ramonensis* Hoehne in Arq. Bot. Est. S. Paulo n. s. 2: 153. 1952.

I can find little if any reason for the separation of vars. *ramonense* and *gravidum*.

Honduras, Costa Rica and Panama.

EPIDENDRUM OTTONIS Reichb. f. in Hamb. Gartenz. 14: 213. 1853.

Nidema Ottonis Brit. & Millsp., Bahama Fl. 94. 1920.

Nidema Boothii var. *triandrum* Schltr. in Fedde Rep. Beih. 17: 43. 1922.

West Indies, Nicaragua, Panama and South America.

EPIDENDRUM PAJITENSE C. Schweinf. in Bot. Mus. Leafl. Harv. Univ. 14: 56, t. 15. 1949.
Panama.

EPIDENDRUM PALLENS Reichb. f., Beitr. Orch. Cent. Am. 82. 1866.

Epidendrum pauciflorum Schltr. in Fedde Rep. 3: 248. 1907.

Costa Rica.

EPIDENDRUM PANAMENSE Schltr. in Fedde Rep. 12: 212. 1913.
Panama.

EPIDENDRUM PANICULATUM R. & P., Syst. Veg. 243. 1798; AHS. in Bot. Mus. Leafl. Harv. Univ. 2: 67. 1934.

Epidendrum turialvae Reichb. f. in Gard. Chron. 1678. 1871.

Epidendrum resectum Reichb. f. in Linnaea 41: 82. 1876.

Epidendrum piliferum Reichb. f., 1. c. 83.

Epidendrum isthmi Schltr. in Fedde Rep. Beih. 17: 34. 1922.

Epidendrum reflexum A. & S., Sched. Orch. 8: 49. 1925.

Epidendrum paniculatum is a widespread and variable species that has a large number of synonyms. Ames, Hubbard and Schweinfurth list about twenty five. The name *E. floribundum* HBK. has been used with Central American specimens in the past but is not included in the above synonymy because it was originally described from South America.

Mexico, British Honduras, Guatemala, Honduras, Nicaragua Costa Rica, Panama and south to Argentina.

EPIDENDRUM PANSAMALAE Schltr. in Fedde Rep. 10: 485. 1912.

Guatemala.

EPIDENDRUM PAPILLOSUM Batem. ex Lindl. in Bot. Reg. 24: Misc. p. 7. 1838; Hook. in Bot. Mag. 65: t. 3631. 1838.

The name *Epidendrum adenocarpon* Llave & Lex. has often been used for this unit, and is so used by AHS. in their key, but that name like so many of those of La Llave and Lexarza is not determinable with any accuracy.

Mexico, Guatemala, El Salvador, Honduras and Nicaragua.

EPIDENDRUM PARKINSONIANUM Hook. in Bot. Mag. 67: t. 3778. 1840.

Epidendrum falcatum var. *Zeladoniae* Schltr. in Fedde Rep. Beih. 19: 37. 1923.

Mexico, Guatemala, Honduras, Costa Rica and Panama.

EPIDENDRUM PARKINSONIANUM var. FALCATUM (Lindl.) AHS. in Bot. Mus. Leafl. Harv. Univ. 3: 74. 1935.

Epidendrum falcatum Lindl. in Ann. Nat. Hist. 4: 382. 1840; Lindl. in Bot. Reg. 26: Misc. p. 19. 1840.

This variety differs from the species only in having somewhat smaller flowers, perhaps should not be considered distinct.

Mexico, Guatemala and El Salvador.

EPIDENDRUM PENDENS L. Wms. in Ann. Mo. Bot. Gard. 28: 421, t. 23. 1941.

Panama.

EPIDENDRUM PENTADACTYLUM Reichb. f. in Bonpl. 2: 89. 1854.

Nicaragua and Costa Rica.

EPIDENDRUM PENTOTIS Reichb. f. in Linnæa 41: 81. 1876.

Epidendrum fragrans var. *megalanthum* Lindl. in Journ. Hort. Soc. 4: 223. 1849.

Epidendrum confusum Rolfe in Orch. Rev. 7: 197. 1899.

Epidendrum Beyrodtianum Schltr. in Orchis 9: 49. 1915.

Mexico, Guatemala, El Salvador, Honduras and dubiously Brazil.

EPIDENDRUM PHYLLOCHARIS Reichb. f., Xenia Orch. 3: 11, t. 208. 1878.

Costa Rica.

EPIDENDRUM PHYSODES Reichb. f. in Gard. Chron. 289. 1873.

Mexico, Guatemala, Costa Rica and Panama.

EPIDENDRUM PINNIFERUM C. Schweinf. in Bot. Mus. Leaflet. Harv. Univ. 5: 92. 1937.

Panama.

EPIDENDRUM PLATYSTIGMA Reichb. f., Beitr. Orch. Cent. Am. 83. 1866.

Epidendrum gibbosum L. Wms. in Ann. Mo. Bot. Gard. 28: 420, t. 21. 1941.

Costa Rica and Panama.

EPIDENDRUM POLYANTHUM Lindl., Gen. & Sp. Orch. Pl. 106. 1831; Batem., Orch. Mex. & Guat. t. 34. 1842.

Epidendrum bisetum Lindl. in Bot. Reg. 27: Misc. p. 68. 1841.

Epidendrum colorans Kl. in Allg. Gartenz. 19: 250. 1851.

Epidendrum pergamenium Reichb. f., Beitr. Orch. Cent. Am. 86. 1866.

Epidendrum verrucipes Schltr. in Fedde Rep. 15: 208. 1918.

Epidendrum quinquelobum Schltr. in Fedde Rep. Beih. 19: 125. 1923.

Epidendrum hondurensense Ames in Bot. Mus. Leafl. Harv. Univ. 1, N^o 7: t. t. 1933.

This is a variable and common species which should probably include also *E. chlorops* Reichb. f. and *E. Clowesii* Batem., both of which I have maintained provisionally here.

Mexico, Central America, Panama and South America.

EPIDENDRUM POLYANTHUM var. MYODES (Reichb. f.) AHS. in Bot. Mus. Leafl. Harv. Univ. 2: 75. 1935.

Epidendrum myodes Reichb. f., Beitr. Orch. Cent. Am. 86. 1866.

This variety is hardly distinct from the species.

Honduras, Costa Rica and Panama.

EPIDENDRUM POLYBULBON Sw., Prodr. Veg. Ind. Occ. 124. 1788.

Dinema polybulbon Lindl., Gen. & Sp. Orch. Pl. 111. 1831.

West Indies, Mexico, Guatemala, Honduras.

EPIDENDRUM POLYCLAMYS Schltr. in Fedde Rep. 3: 106. 1906.

Costa Rica.

EPIDENDRUM PORPAX Reichb. f. in Bonpl. 3: 220. 1855.

Epidendrum porphyrophyllum Schltr. in Fedde Rep. Beih. 17: 27. 1922.

Mexico, Guatemala, Honduras, Nicaragua, Costa Rica, Panama and South America.

EPIDENDRUM POWELLII Schltr. in Fedde Rep. Beih. 17: 28. 1922.

Panama.

EPIDENDRUM PRISMATOCARPUM Reichb. f. in Bot. Zeit. 10: 729. 1852; Hook. in Bot. Mag. 88: t. 5336. 1862.

Epidendrum ionocentrum Reichb. f. in Gard. Chron. n. s. 20: 8. 1883.

Costa Rica and Panama.

EPIDENDRUM PROBIFLORUM Schltr. in Fedde Rep. Beih. 17: 39. 1922.

Panama.

EPIDENDRUM PSEUDEPIDENDRUM Reichb. f., *Xenia* Orch. 1: 160, t. 53. 1856; Hook. f. in Bot. Mag. 97: t. 5929. 1871.

Pseudepidendrum spectabile Reichb. f. in Bot. Zeit. 10: 733. 1852, non *Epidendrum spectabile* Focke nec Reichb. f.

Epidendrum pseudepidendrum var. *auritum* Reichb. f. in Gard. Chron. n. s., 23: 406. 1885.

Costa Rica and Panama.

EPIDENDRUM PSEUDORAMOSUM Schltr. in Fedde Rep. 10: 361. 1912.

Guatemala, Honduras, Nicaragua and Costa Rica.

EPIDENDRUM PSEUDOWALLISII Schltr. in Fedde Rep. Beih. 19: 124. 1923.

Costa Rica.

EPIDENDRUM PUDICUM Ames, Sched. Orch. 6: 71. 1923.

Panama.

EPIDENDRUM PUMILUM Rolfe in Kew Bull. 171. 1893.

Epidendrum acrochordonium Schltr. in Beih. Bot. Centralbl. 36, Abt. 2: 400. 1918.

Costa Rica.

EPIDENDRUM PURPURASCENS Focke in Tidjdschr. Natuur. Wetensch. 4: 64. 1851.

Epidendrum glumibracteum Reichb. f. in Hamb. Gartenz. 19: 11. 1863.

Costa Rica and South America.

EPIDENDRUM PUTEUM Standl. & L. Wms. in Ceiba 3: 19, t. 1953.

Costa Rica.

EPIDENDRUM PYGMAEUM Hook. in Bot. Mag. 60: t. 3233. 1833; Hook., Journ. Bot. 1: 49, t. 118. 1834.

Hormidium pygmaeum B. & H. ex Hemsl. in Gard. Chron. n. s. 19: 700. 1883.

Hormidium pseudopygmaeum A. Finet in Bull. Herb. Boiss. 7: 121, t. 3. 1899.

Florida, West Indies, Mexico, British Honduras, Honduras, Costa Rica, Panama and South America.

EPIDENDRUM RADIATUM Lindl. in Bot. Reg. 27: Misc. p. 58. 1841.

Mexico, Guatemala, Honduras, Costa Rica and South America.

EPIDENDRUM RAMOSISSIMUM A. & S., Sched. Orch. 8: 48, t. 24. 1925.

Costa Rica.

EPIDENDRUM RAMOSUM Jacq., Enum. Pl. Carib. 29. 1760 and Sel. Stirp. Am. 221, t. 132. 1763.

Epidendrum flexicaule Schltr. in Beih. Bot. Centralbl. 36, Abt. 2: 403. 1918.

Epidendrum modestiflorum Schltr. in Fedde Rep. Beih. 19: 213. 1923.

Spathiger ramosus Britt. in Britt. & Wilson, Bot. Porto Rico & Virgin Islands 1: 202. 1924.

A common and often abundant and usually variable species.

West Indies, Mexico, Guatemala, Honduras, Nicaragua, Costa Rica, Panama and South America.

EPIDENDRUM RAMOSUM var. ANGUSTIFOLIUM (Cogn.) L. Wms. in Ann. Mo. Bot. Gard. 28: 422. 1941.

Epidendrum imbricatum Lindl., Gen. & Sp. Orch. Pl. 110. 1831, non Lam.

Epidendrum imbricatum var. *angustifolium* Cogn. in Mart., Fl. Bras. 3, pt. 5: 171. 1898.

Epidendrum biflorum Cogn. in Bull. Herb. Boiss. ser. 2, 2: 337, fig. 1902, *nec* Forst. f., *nec* R. & P., *nec* Rodr.

Epidendrum Boisserianum Schltr. in Beih. Bot. Centralbl. 36, Abt. 2: 459. 1918.

Epidendrum santaclarensis Ames, Sched. Orch. 4: 49. 1923.

Epidendrum ramosum var. *imbricatum* AHS. in Bot. Mus. Leafl. Harv. Univ. 2: 47. 1934.

West Indies, Guatemala, Costa Rica, Panama and South America.

EPIDENDRUM RAMOSUM var. MIXTUM (Schltr.) AHS. in Bot. Mus. Leafl. Harv. Univ. 2: 49. 1934.

Epidendrum mixtum Schltr. in Fedde Rep. 10: 294.
1912.

Mexico, Guatemala and Honduras.

EPIDENDRUM REPENS Cogn. in Fedde Rep. 7: 122.
1909.

West Indies, Mexico, Central America, Panama and
South America.

EPIDENDRUM RHYNCHOPHORUM Rich. & Gal. in Ann.
Sci. Nat. sér. 3, 3: 20. 1845.

This species is exceedingly abundant in some places in
Honduras and there are often literally hundreds of pounds
of it on a tree. It seems to grow mostly or only on pines.

Mexico, Honduras.

EPIDENDRUM RIGIDIFLORUM Schltr. in Fedde Rep. Beih.
19: 127. 1923.

Costa Rica and South America.

EPIDENDRUM RIGIDUM Jacq., Enum. Pl. Carib. 29. 1760
and Sel. Stirp. Am. 222, t. 134. 1763.

Epidendrum cardiophorum Schltr. in Fedde Rep. 9:
214. 1911.

Spathiger rigidus Small, Fl. Miami 55. 1913.

Florida, the West Indies, Mexico, Central America,
Panama and South America.

EPIDENDRUM RIGIDUM var. ANGUSTISEGMENTUM L.
Wms. in Ann. Mo. Bot. Gard. 33: 371. 1946.

Panama.

EPIDENDRUM SANCHOII Ames, Sched. Orch. 4: 48.
1923.

Costa Rica and Panama.

EPIDENDRUM SANCHOII var. EXASPERATUM A. & S.,
Sched. Orch. 10: 72. 1930.

Costa Rica.

EPIDENDRUM SCHLECHTERIANUM Ames, Sched. Orch.
7: 9, f. 1. 1924.

Nanodes discolor Lindl. in Bot. Reg. 18: t. 1541. 1832.

Epidendrum discolor Benth. in Kew Hand list Orch.
105. 1896, non R. & G.

Epidendrum brevicaule Schltr. in Fedde Rep. Beih. 17:
30. 1922, non Schltr. 1921.

Epidendrum congestoides A. & S., Sched. Orch. 10:
61. 1930.

The West Indies, Mexico, Guatemala, Honduras, Costa
Rica, Panama and South America.

EPIDENDRUM SCHUMANNIANUM Schltr. in Fedde Rep.
9: 215. 1911; Allen in Am. Orch. Soc. Bull. 10: 359, figs.
1942

Costa Rica and Panama.

EPIDENDRUM SCHWEINFURTHIANUM Correll in Am.
Orch. Soc. Bull. 16: 456, t. 1947.

Guatemala.

EPIDENDRUM SCULPTUM Reichb. f. in Bonpl. 2: 89.
1854.

Epidendrum colonense Ames, Sched. Orch. 1: 14. 1922.
Honduras?, Costa Rica, Panama and South America.

EPIDENDRUM SELAGINELLA Schltr. in Fedde Rep. 3:
48. 1906.

Costa Rica.

EPIDENDRUM SELLIGERUM Batem. ex Lindl. in Bot.
Reg. 24: Misc. p. 40. 1838.

Epidendrum diotum Lindl. in Bot. Reg. 29: Misc. p.
65. 1843.

Encyclia selligera Schltr., Orch. 211. 1914.

Encyclia diota Schltr. in Beih. Bot. Centralbl. 36, Abt.
2: 472. 1918.

Mexico, Guatemala and Honduras.

EPIDENDRUM SERRICARDIUM Schltr. in Fedde Rep. Beih. 19: 218. 1923.

Costa Rica.

EPIDENDRUM SINGULIFLORUM Schltr. in Fedde Rep. 10: 484. 1912.

Guatemala.

EPIDENDRUM SKINNERI Batem. ex Lindl. in Bot. Reg. 22: t. 1881. 1836.

Dothiolphis purpurea Raf., Fl. Tellur. 4: 39. 1838.

Barkeria Skinneri Rich. & Gal. in Comp. Rend. Acad. Sci. Par. 18: 506. 1844.

Barkeria Skinneri var. *major* Paxton, Mag. Bot. 15: 1, t. 1849.

Epidendrum Fuchsii Regel, Ind. Sem. Hort. Turic. 4. 1850; in Schweiz. Zeitschr. Gartenb. 9: 202, t. 1851.

Epidendrum Skinneri var. *superbum* Warner, Sel. Orch. Pl. 1: t. 38. 1862-65.

Barkeria Skinneri superba Warner, l. c.

Mexico and Guatemala.

EPIDENDRUM SKUTCHII AHS. in Bot. Mus. Leaflet Harv. Univ. 4: 1, t. 1936.

Guatemala.

EPIDENDRUM SPONDIADUM Reichb. f. in Bot. Zeit. 10: 731. 1852.

Epidendrum platycardium Schltr. in Fedde Rep. Beih. 17: 36. 1922.

Costa Rica and Panama. Reported from Jamaica.

EPIDENDRUM STAMFORDIANUM Batem., Orch. Mex. & Guat. t. 11. 1838.

Epidendrum cynostalix Reichb. f. in Bot. Zeit. 10: 731. 1852.

Epidendrum Stamfordianum var. *parviflorum* Regel,
Ind. Sem. Hort. Petrop. 19. 1856.

Epidendrum Stamfordianum var. *pictum* Goyena, Fl.
Nicarag. 2: 759. 1911.

A species with long racemes of attractive flowers.

Mexico, British Honduras, Central America, Panama
and South America.

EPIDENDRUM STANDLEYI Ames, Sched. Orch. 9: 52.
1925.

Costa Rica.

EPIDENDRUM STANGEANUM Reichb. f. in Gard. Chron.
n. s. 15: 462. 1881.

Epidendrum glandulosum Ames, Sched. Orch. 7: 5, t.
20. 1924.

Honduras, Nicaragua, Costa Rica and Panama.

EPIDENDRUM STENOPETALUM Hook. in Bot. Mag. 62:
t. 3410. 1835.

Epidendrum lamellatum Westc. ex Lindl. in Bot. Reg.
29: Misc. p. 46. 1843.

Dimeranda stenopetala Schltr. in Fedde Rep. Beih. 17:
44. 1922.

Dimeranda isthmi Schltr., 1. c.

A curious species placed in the section *Barkeria* by
Ames, Hubbard & Schweinfurth which seems to form a
perfectly distinct section separate from section *Barkeria*.

The West Indies, Mexico, British Honduras, Guatema-
la, Honduras, Costa Rica, Panama and South America.

EPIDENDRUM STROBILIFERUM Reichb. f. in Nederl.
Kruidk. Arch. 4: 333. 1858.

Epidendrum verecundum Schltr. in Fedde Rep. Beih.
17: 42. 1922, non Poir.

Florida, The West Indies, Mexico, British Honduras,
Guatemala, Honduras, Nicaragua, Costa Rica, Panama and
South America.

EPIDENDRUM SUBAQUILUM Lindl. in Bot. Reg. 32: sub
t. 64. 1846.

West Indies, Mexico and Guatemala.

EPIDENDRUM SUBNATANS A. & S., Sched. Orch. 10:
72. 1930.

Costa Rica and Panama.

EPIDENDRUM TERETIFOLIUM Sw., Prodr. Veg. Ind. Occ.
121. 1788.

Cymbidium teretifolium Sw. in Nov. Act. Upsall. 6:
72. 1799.

Isochilus teretifolium Lindl., Gen. & Sp. Orch. Pl. 112.
1831.

Epidendrum teres Reichb. f. in Bonpl. 2: 220. 1855.
non Thunb.

Epidendrum teretifolium var. *Powellianum* Schltr. in
Fedde Rep. Beih. 17: 41. 1922.

West Indies, Mexico, Guatemala, Honduras, Nicara-
gua, Costa Rica, Panama and South America.

EPIDENDRUM TETRACEROS Reichb. f. in Bot. Zeit. 10:
733. 1852.

Costa Rica and Panama.

EPIDENDRUM TRACHYTHEGE Schltr. in Fedde Rep. 3:
249. 1907.

Guatemala, Honduras, Costa Rica and Panama.

EPIDENDRUM TRIANGULABIUM A. & S., Sched. Orch. 10:
75. 1930.

Costa Rica and Panama.

EPIDENDRUM TRIANTHUM Schltr. in Fedde Rep. Beih.
19: 296. 1923.

Costa Rica.

EPIDENDRUM TURCKHEIMII (Schltr.) AHS. in Bot.
Mus. Leafl. Harv. Univ. 3: 75. 1935.

Encyclia Türckheimii Schltr. in Beih. Bot. Centralbl. 36, Abt. 2: 410. 1918.

Honduras and Guatemala.

EPIDENDRUM UROSTACHYUM Schltr. in Beih. Bot. Centralbl. 36, Abt. 2: 409. 1918.

Costa Rica.

EPIDENDRUM VAGANS Ames, Sched. Orch. 6: 76. 1923.
Costa Rica.

EPIDENDRUM VARICOSUM Batem. ex Lindl. in Bot. Reg. 28: Misc. p. 30. 1838.

Epidendrum quadratum Kl. in Allg. Gartenz. 18: 402. 1850.

Epidendrum chiriquense Reichb. f. in Bot. Zeit. 10: 730. 1852; Xenia Orch. 1: 164, t. 57. 1856.

Encyclia chiriquensis Schltr. in Beih. Bot. Centralbl. 36, Abt. 2: 472. 1918.

Encyclia varicosa Schltr., 1. c.

Mexico, Guatemala, El Salvador, Honduras, Costa Rica, Panama.

EPIDENDRUM VERRUCOSUM Sw. in Nov. Act. Uppsal. 6: 68. 1799.

West Indies, Mexico, Guatemala, Honduras and South America.

EPIDENDRUM VIEJII Reichb. f. in Bonpl. 3: 220. 1855.
Guatemala and Nicaragua.

EPIDENDRUM VIRGATUM Lindl. in Hook., Journ. Bot. 3: 83. 1840.

Encyclia virgata Schltr., Orch. 212. 1914.

Epidendrum ichthyphyllum Ames, Sched. Orch. 2: 28. 1923.

Encyclia ichthyphyllum Hoehne in Arq. Bot. Est. S. Paulo n. s. 2: 152. 1952.

Mexico, Guatemala, Honduras.

EPIDENDRUM VITELLINUM Lindl., Gen. & Sp. Orch. Pl.
97. 1831.

Mexico, Guatemala and Costa Rica.

EPIDENDRUM VOLUTUM Lindl. & Paxt. in Paxt., Fl.
Gard. 2: 151, f. 215. 1851-52.

EPIDENDRUM RADLKOFERIANUM Schltr. in Fedde Rep.
17: 141. 1917.

Panama.

EPIDENDRUM WARSCEWICZII Reichb. f. in Bot. Zeit. 10:
732. 1852.

EPIDENDRUM SOBRALIOIDES A. & C. in Am. Orch. Soc.
Bull. 12: 60, t. 2. 1943.

Guatemala, Costa Rica and Panama.

EPIDENDRUM WERCKLEI Schltr. in Fedde Rep. 3: 48.
1906.

Costa Rica.

EPIDENDRUM XIPHERES Reichb. f. in Fl. des Serres, ser.
1, 9: 98. 1853-54.

Encyclia xipheres Schltr., Orch. 212. 1914.

Mexico, Guatemala and Honduras.

EXCLUDED OR OBSCURE SPECIES.

EPIDENDRUM SULPHUREUM Morr. in Ann. Roy. Agric.
Bot. Gand 4: 300. 1848.

The species is obscure.

Guatemala.

EPIDENDRUM VIRENS Lindl. & Paxt. in Paxt., Fl. Gard.
1: 152. 1850-1851, non Hoffm.

Encyclia virens Schltr., Orch. 212. 1914.

The species is obscure.

Guatemala.

EPIDENDRUM VIRIDIFUSCATUM Wildeman in Chron. Orch. 2: 35. 1905.

This species is obscure and there is no type.
Guatemala.

DIACRIUM Lindl. ex Benth in Journ. Linn. Soc. 18: 312. 1881.

A small genus of four or five species that are distinguished from Epidendrum by the hollow horn-like processes on the lip.

DIACRIUM BILAMELLATUM (Reichb.) Hemsl. in Godman & Salvin, Biol. Cent. Am. Bot. 3: 222. 1883.

Epidendrum bilamellatum Reichb. f. in Walp. Ann. 6: 345. 1862.

Epidendrum bigibbosum Reichb. f., 1. c. 346.

Diacrium bilamellatum var. *Reichenbachianum* Schltr. in Fedde Rep. Beih. 17: 47. 1922.

Diacrium bivalvulatum Schltr., 1. c. 19: 132. 1923.

Diacrium Ulmckei Kränzl. in Mitteil. Allg. Bot. Hamb. 6: 419. 1927.

Guatemala, British Honduras, Honduras, Costa Rica, Panama and South America.

CATTLEYA Lindl., Collect. Bot. tt. 33 & 37. 1824.

Cattleya is one of the horticulturally important genera of the orchids and has been used in many of the modern hybrids. *Cattleya Dowiana* is the most attractive of the Central American species and belongs in the South American complex of showy flowered species. *Cattleya gigas* and *C. labiata* have been reported from Costa Rica but probably do not occur there.

CATTLEYA AURANTIACA (Batem.) P. N. Don in Flor. Jour. 185. 1840, as *aurantica*.

Epidendrum aurantiacum Batem. ex Lindl. in Bot. Reg. 24: Misc. p. 8. 1838.

Epidendrum aureum Lindl., Folia Orch. Epid. 4. 1853.
Mexico, Guatemala, El Salvador, Honduras and Nicaragua.

CATTLEYA BOWRINGEANA Vetch in Gard. Chron. 2: 683. 1885.

Cattleya Skinneri var. *Bowringeana* Kränzl., Xenia Orch. 3: 82, t. 245. 1892.

An attractive species for the hobbyist which has often been used in hybridizing. Authentic wild specimens have been received by me recently from British Honduras. The plant is said by G. B. Gregory to be not uncommon in the pine regions of the colony.

British Honduras and possibly Guatemala.

CATTLEYA DECKERI Klotzsch in Allg. Gartenz. 23: 81. 1855.

Cattleya Skinneri var. *parviflora* Hook. in Bot. Mag. 82: t. 4616. 1856.

Cattleya guatemalensis Moore in Flor. Mag. 1: t. 61. 1861.

I am skeptical about this species and rather think that it is one of the forms resulting from natural hybridization between *Cattleya Skinneri* and *C. aurantiaca*. It has been reported from Guatemala, Costa Rica and possibly elsewhere.

CATTLEYA DOWIANA Batem. in Gard. Chron. 922. 1866.

Cattleya labiata var. *Dowiana* Veitch, Man. Orch. Pl. 2: 16. 1887.

This is the finest of the Central American orchids. It may eventually disappear as a wild plant.

Costa Rica, reported from Panama.

CATTLEYA GRANULOSA Lindl. in Bot. Reg. 28: t. 1. 1842.

Said to have originated in Guatemala and to have been collected by Hartweg. The species is quite possibly South American in origin.

CATTLEYA PACHECOI A. & C. in Bot. Mus. Leafl. Harv. Univ. 11: 401, t. 11. 1943.

This is almost certainly a natural hybrid between *Cattleya aurantiaca* and *C. Skinneri*.

Guatemala.

CATTLEYA QUADRICOLOR Lindl. in Paxt. Fl. Gard. 1: 6. 1850.

Reported from the Choco of Panama, where it could occur. (P. H. Allen).

CATTLEYA SKINNERI Batem., Orch. Mex. & Guat. t. 13. 1838; Hook. in Bot. Mag. 72: t. 4270. 1846.

Epidendrum Hugelianum Reichb. f. in Walp. Ann. 6: 312. 1862.

A handsome species and much cultivated locally in Central America. White forms are occasional in Costa Rica.

Mexico, British Honduras, Guatemala, Honduras, Costa Rica.

CATTLEYA SKINNERI var. AUTUMNALIS Allen in Ann. Mo. Bot. Gard. 29: 345. 1942.

Panama.

LAELIA Lindl., Gen. & Sp. Orch. Pl. 115. 1831.

Schomburgkia Lindl., Sert. Orch. t. 10. 1838.

A widely distributed genus, in Mexico, Central and South America, which contains many attractive species.

LAELIA ANCEPS Lindl. in Bot. Reg. 21: t. 1751. 1835.

Laelia anceps var. *Barkeriana* Lindl., l. c. 22: t. 1947. 1837.

Cattleya anceps Beer, Prakt. Orch. 208. 1854.

Bletia anceps Reichb. f. in Walp. Ann. 6: 418. 1862.
Mexico and Honduras.

LAELIA LUEDDEMANII (Prill.) L. Wms. in Ann. Mo.
Bot. Gard. 27: 282. 1940.

Schomburgkia Lueddemanii Prill. in Journ. Soc. Imp.
Hort. 8: 275. 1862; Rolfe in Bot. Mag. 138: t. 8427.
1912.

Panama.

LAELIA RUBESCENS Lindl. in Bot. Reg. 26: Misc. p. 20,
t. 41. 1842.

Laelia acuminata Lindl., 1. c. 27: Misc. p. 17, t. 24.
1841.

Laelia peduncularis Lindl., 1. c. 28: Misc. p. 9. 1842;
Hook. in Bot. Mag. 70: t. 4099. 1844; Lindl., 1. c. 31:
69. 1845.

Laelia pubescens Lemoine, Jard. Fleur. Misc. p. 79.
1852

Laelia violacea Reichb. f. in Bonpl. 2: 98. 1854.

Cattleya acuminata Beer, Prakt. Orch. 208. 1854.

Cattleya peduncularis Beer, 1. c. 213.

Cattleya rubescens Beer, 1. c. 214.

Bletia rubescens Reichb. f. in Walp. Ann. 6: 425. 1862.

Bletia peduncularis Reichb. f., 1. c. 426.

Bletia violacea Reichb. f., 1. c. 426.

Bletia acuminata Reichb. f., 1. c. 427.

Laelia rubescens is a variable species. The flowers are small to fairly large in size and in color vary from white through dark lavender. The pseudobulbs bear one leaf or rarely two. The inflorescence is short or elongated and usually terminal but may be lateral. In Honduras there is a

plant hardly half as large as the typical form and it seems always to have white flowers.

Mexico, Guatemala, El Salvador, Honduras, Nicaragua, Costa Rica, Panama.

LAELIA SUPERBIENS Lindl. in Bot. Reg. 26: Misc. p. 46. 1840; Batem, Orch. Mex. & Guat. t. 38. 1843; Hook. in Bot. Mag. 70: t. 4090. 1844; Hook., Cent. Orch. Pl. t. 23. 1849; Warner, Sel. Orch. Pl. 1: t. 20. 1862-65.

Bletia superbiens Reichb. f. in Walp. Ann. 6: 418. 1862.

Cattleya superbiens Beer, Prakt. Orch. 214. 1854.

Mexico, Guatemala and Honduras.

LAELIA TIBICINIS (Batem.) L. Wms. in Darwiniana 5: 77. 1941.

Epidendrum tibicinis Batem. ex Lindl. in Bot. Reg. 24: Misc. p. 8. 1838.

Schomburgkia tibicinis Batem., Orch. Mex. & Guat. t. 30. 1841.

Schomburgkia tibicinis var. *grandiflora* Hook. in Bot. Mag. 75: t. 4476. 1849.

Cattleya tibicinis Beer, Prakt. Orch. 215. 1854.

Bletia tibicinis Reichb. f. in Walp. Ann. 6: 429. 1862.

Mexico, British Honduras, Guatemala, Honduras and Costa Rica.

LAELIA WENDLANDII Reichb. f. in Walp. Ann. 6: 431. 1861.

Bletia Wendlandii Reichb. f., 1. c.

Guatemala and Honduras.

RHYNCHOLAELIA Schltr. in Beih. Bot. Centralbl. 36, Abt. 2: 447. 1918.

A small genus with only the two following species known. Both species were originally described by Lindley

and placed in the genus *Brassavola*, where they do not seem to belong. In "The Orchidaceae of Mexico" I followed Bentham, who thought that the plants should be placed in *Laelia*, even though I realized that they did not fit into *Laelia* much better than into *Brassavola*. The genera related to these plants are not very sharply defined but I have decided, for this list, to use the generic name *Rhyncholaelia* which was established for these two species by Schlechter.

RHYNCHOLAELIA DIGBYANA (Lindl.) Schltr. in Beih. Bot. Centralbl. 36, Abt. 2: 477. 1918.

Brassavola Digbyana Lindl. in Bot. Reg. 32: t. 53. 1846; Hook. in Bot. Mag. 75: t. 4474. 1849.

Bletia Digbyana Reichb. f. in Walp. Ann. 6: 422. 1861.

Laelia Digbyana Benth. ex Jackson, Index Kew. 2: 21. 1895.

Laelia Digbyana var. *fimbripetala* Ames in Am. Orch. Soc. Bull. 1: 59, t. 1932.

This species has been often used in making horticultural hybrids. It is a beautiful plant.

Mexico, British Honduras, Guatemala and Honduras.

RHYNCHOLAELIA GLAUCA (Lindl.) Schltr. in Beih. Bot. Centralbl. 36, Abt. 2: 477. 1918.

Brassavola glauca Lindl. in Bot. Reg. 25: Misc. p. 47. 1839; Lindl., l. c. 26: t. 44. 1840; Batem., Orch. Mex. & Guat. t. 16. 1839; Hook. in Bot. Mag. 69: t. 4033. 1843.

Bletia glauca Reichb. f. in Walp. Ann. 6: 422. 1862.

Laelia glauca Benth. ex Jackson, Index Kew. 2: 21. 1895.

Mexico, Guatemala, Honduras and Panama.

BRASSAVOLA R. Br. in Aiton, Hort. Kew. ed. 2, 5: 216. 1813; Schltr. in Orchis 13: 41. 1919.

A genus with about fifteen species, often with showy flowers.

BRASSAVOLA ACAULIS Lindl. in Paxt., Fl. Gard. 2: 152, f. 216. 1851-52.

Brassavola lineata Hook. in Bot. Mag. 79: t. 4734. 1853.

Bletia acaulis Reichb. f. in Walp. Ann. 6: 435. 1861.

Bletia lineata Reichb. f., 1. c. 436.

Panama. Reported from Guatemala and Costa Rica.

BRASSAVOLA CUCULLATA (L.) R. Br. in Aiton, Hort. Kew, ed. 2, 5: 216. 1813.

Epidendrum cucullatum L., Sp. Pl. ed. 2, 1350. 1763.

Cymbidium cucullatum Sw. in Nov. Act. Ups. Soc. Sci. 6: 73. 1799.

Brassavola cuspidata Hook. in Bot. Mag. 66: t. 3722. 1839.

Bletia cucullata Reichb. f. in Walp. Ann. 6: 433. 1862.

Brassavola cucullata var. *elegans* Schltr. in Orchis 13: 46. 1919.

Mexico, Guatemala, El Salvador and Honduras.

BRASSAVOLA NODOSA (L.) Lindl., Gen. & Sp. Orch. Pl. 114. 1831; Lindl. in Bot. Reg. 17: t. 1465. 1832.

Epidendrum nodosum L., Sp. Pl. 953. 1753.

Cymbidium nodosum Sw., Nov. Act. Ups. Soc. Sci. 6: 73. 1799.

Brassavola grandiflora Lindl. in Bot. Reg. 25: Misc. p. 16. 1839.

Brassavola venosa Lindl., 1. c. 26: t. 39. 1840; Hook. in Bot. Mag. 69: t. 4021. 1843.

Brassavola rhopalorrhachis Reichb. f. in Bot. Zeit. 10: 833. 1852.

Bletia nodosa Reichb. f. in Walp. Ann. 6: 437. 1862.

Brassavola scaposa Schltr. in Orchis 13: 57. 1919.

Brassavola nodosa var. *rhopalorrhachis* Schltr. in *Orchis* 13: 77. 1919.

Brassavola nodosa is not uncommon in the Central American tropics at low elevations but occurs up to 800 meters.

Mexico, British Honduras, Central America except El Salvador, Panama and South America.

MEIRACYLLIUM Reichb. f., *Xenia Orch.* 1: 12, t. 6. 1854.

A small genus of Mexico and Central America.

MEIRACYLLIUM TRINASUTUM Reichb. f., *Xenia Orch.* 1: 12, t. 6. 1854.

Mexico and Guatemala.

MEIRACYLLIUM WENDLANDII Reichb. f., *Beitr. Orch. Cent. Am.* 73. 1866.

Meiracyllium gemma Reichb. f. in *Gard. Chron.* 988. 1869.

Mexico and Guatemala.

HOMALOPETALUM Rolfe in *Hook., Ic. Pl.* t. 2461. 1896.

HOMALOPETALUM COSTARICENSE Schltr. in *Fedde Rep. Beih.* 19: 47. 1923.

Possibly a synonym of the following species.
Costa Rica.

HOMALOPETALUM PUMILIO (Reichb. f.) Schltr. in *Fedde Rep. Beih.* 19: 48. 1923.

Brassavola pumilio Reichb. f. in *Linnaea* 18: 402. 1844.

Bletia pumilio Reichb. f. in *Walp. Ann.* 6: 433. 1862.

Pinelia Tuerckheimii Kränzl. in *Ann. Naturh. Mus. Wien* 44: 326. 1930.

Mexico, Guatemala, Honduras and Costa Rica.

NAGELIELLA L. Wms., in Bot. Mus. Leaf. Harv. Univ. 8: 144. 1940.

Hartwegia Lindl. in Bot. Reg. 23: sub t. 1970. 1837, non Nees, 1831.

The genus is named for Otto Nagel who collected orchids over much of Mexico.

NAGELIELLA ANGUSTIFOLIA (Booth) A. & C. in Bot. Mus. Leaf. Harv. Univ. 10: 80. 1942.

Hartwegia purpurea var. *angustifolia* Booth ex Lindl. in Bot. Reg. 29: Misc. p. 45. 1843.

Guatemala.

NAGELIELLA PURPUREA (Lindl.) L. Wms. in Bot. Mus. Leaf. Harv. Univ. 8: 144. 1940.

Hartwegia purpurea Lindl. in Bot. Mag. 23: sub t. 1970. 1837.

Mexico, Guatemala and Honduras.

SCAPHYGLOTTIS Poeppig & Endlicher, Nov. Gen. ac Sp. Pl. 1: 58. 1835, in part.

Cladobium Lindl., Nat. Syst. Bot. ed. 2: 446. 1835.

Hexadesmia Brongn. in Ann. Sci. Nat. sér. 2, 17: 44. 1842.

Hexopia Batem. ex Lindl. in Bot. Reg. 26: Misc. p. 2. 1844, in synonym.

Tetragamestus Reichb. f. in Bonpl. 2: 21. 1845.

Pachystele Schltr. in Fedde Rep. Beih. 19: 28. 1923.

Ramonia Schltr., 1. c. 294.

The correct generic name for this entity should probably be *Cladobium* Lindl. The original description of *Scaphyglottis* obviously applies more to plants which we call today *Maxillaria* than it does to the plants usually accepted as *Scaphyglottis*. *Scaphyglottis* should be conserved for this group of plants.

SCAPHYGLOTTIS ACOSTAEI (Schltr.) C. Schweinf. in Bot. Mus. Leafl. Harv. Univ. 10: 27. 1941.

Hexadesmia Powellii Schltr. in Fedde Rep. Beih. 17: 27. 1922, non *S. Powellii* Schltr. 1922.

Hexadesmia Acostaei Schltr. 1. c. 19: 293. 1923.

Costa Rica and Panama.

SCAPHYGLOTTIS AMETHYSTINA (Reichb. f.) Schltr. in Beih. Bot. Centralbl. 36, Abt. 2: 456. 1918.

Ponera amethystina Reichb. f. in Saund. Ref. Bot. 2: 93. 1870.

Scaphyglottis brachiata Schltr. in Fedde Rep. 9: 432. 1911.

Guatemala, Nicaragua, Costa Rica and Panama.

SCAPHYGLOTTIS BEHRII (Reichb. f.) Benth. & Hook. ex Hemsl. in Godman & Salvin, Biol. Cent. Am. Bot. 3: 219. 1883.

Ponera Behrii Reichb. f. in Bonpl. 3: 220. 1855.

Ponera albida Reichb. f., Beitr. Orch. Cent. Am. 103. 1866.

Scaphyglottis guatemalensis Schltr. in Fedde Rep. 2: 133. 1906.

Scaphyglottis pauciflora Schltr., 1. c. 3: 47. 1906.

Scaphyglottis albida Schltr. in Beih. Bot. Centralbl. 36, Abt. 2: 456. 1918.

Scaphyglottis Bradeorum Schltr. in Fedde Rep. Beih. 19: 113. 1923.

Guatemala, Costa Rica, Panama and South America.

SCAPHYGLOTTIS BIFIDA (Reichb. f.) C. Schweinf. in Bot. Mus. Leafl. Harv. Univ. 10: 27. 1941.

Hexadesmia bifida Reichb. f. in Saund., Ref. Bot. 2: sub t. 113. 1878.

Costa Rica.

SCAPHYGLOTTIS BILINEATA (Reichb. f.) Schltr. in Beih. Bot. Centralbl. 36, Abt. 2: 456. 1918.

Ponera bilineata Reichb. f., Beitr. Orch. Cent. Am. 88. 1866.

Costa Rica and Panama.

SCAPHYGLOTTIS BILOBULATA Schltr. in Fedde Rep. Beih. 19: 113. 1923.

Costa Rica.

SCAPHYGLOTTIS BRACHYPHYLLA (Reichb. f.) C. Schweinf. in Bot. Mus. Leafl. Harv. Univ. 10: 28. 1941.

Hexadesmia brachyphylla Reichb. f., Beitr. Orch. Cent. Am. 89. 1866.

Hexadesmia brachyphylla var. *longior* Schltr. in Fedde Rep. Beih. 19: 205. 1923.

Costa Rica.

SCAPHYGLOTTIS CONFUSA (Schltr.) A. & C. in Bot. Mus. Leafl. Harv. Univ. 10: 85. 1942.

Hexadesmia confusa Schltr. in Fedde Rep. 10: 361. 1912.

Pachystele confusa Schltr. in Fedde Rep. Beih. 19: 114. 1923.

Mexico, Guatemala, El Salvador, Honduras and Nicaragua.

SCAPHYGLOTTIS CORALLORRHIZA (Ames) AHS. in Bot. Mus. Leafl. Harv. Univ. 3: 40. 1934.

Pachystele corallorrhiza Ames, Sched. Orch. 9: 45. 1935.

Costa Rica.

SCAPHYGLOTTIS CRURIGERA (Batem.) A. & C. in Bot. Mus. Leafl. Harv. Univ. 10: 85. 1942.

Hexopia crurigera Batem. in Lindl. in Bot. Reg. 26: Misc. p. 46. 1840, *nomen*; 1. c. 30: Misc. p. 2. 1844, *in synon.*

Hexadesmia crurigera Lindl., 1. c. p. 2.

Mexico, Guatemala, El Salvador, Honduras and Costa Rica.

SCAPHYGLOTTIS CUNEATA Schltr. in Beih. Bot. Centralbl. 36, Abt. 2: 398. 1918.

Tetragamestus gracilis Schltr., 1. c. 400.

Scaphyglottis Wercklei Schltr. in Fedde Rep. Beih. 19: 28. 1923.

Scaphyglottis gracilis Schltr., 1. c.

Scaphyglottis Wercklei var. *major* C. Schweinf. in Bot. Mus. Leaf. Harv. Univ. 4: 117. 1937.

Scaphyglottis cuneata var. *major*. C. Schweinf. in Lloydia 10: 212. 1947.

Isochilus prolifera Lindl. ex C. Schweinf. in Bot. Mus. Leaf. Harv. Univ. 11: 181. 1944, *non* R. Br.

Scaphyglottis prolifera of authors, *non* (R. Br.) Cogn. Guatemala, British Honduras, Honduras and Panama.

SCAPHYGLOTTIS DECIPIENS C. Schweinf. in Bot. Mus. Leaf. Harv. Univ. 17: 43, t. 17. 1955.
Costa Rica.

SCAPHYGLOTTIS DOLICHOPHYLLA Schltr. in Fedde Rep. Beih. 17: 28. 1922.

This species is obscure but may be a synonym of *S. Behrii*.

Panama.

SCAPHYGLOTTIS FALCATA C. Schweinf. in Bot. Mus. Leaf. Harv. Univ. 10: 28. 1941.

Hexadesmia falcata C. Schweinf., 1. c. 8: 45. 1940.

This is probably only a form of *S. Lindeniana*.

Costa Rica.

SCAPHYGLOTTIS FASCICULATA Hook., Icon. Pl. t. 317. 1841.

Nicaragua.

SCAPHYGLOTTIS **gemma** (Reichb. f.) L. Wms. comb. nov.

Hartwegia gemma Reichb. f. in Gard. Chron. 2: 8. 1878.

"Central America".

SCAPHYGLOTTIS HONDURENSIS (Ames) L. Wms. in Ceiba 1: 127. 1950.

Hexadesmia hondurensis Ames in Bot. Mus. Leaflet. Harv. Univ. 1, No. 6: 1, t. 1933.
Mexico, Guatemala and Honduras.

SCAPHYGLOTTIS JIMENEZII Schltr. in Beih. Bot. Centralbl. 36, Abt. 2: 399. 1918.

Pachystele densa Schltr. in Fedde Rep. Beih 19: 29. 1923.

Pachystele Jimenezii Schltr., 1. c. 30.

Costa Rica.

SCAPHYGLOTTIS LAEVILABIA Ames in Proc. Biol. Soc. Wash. 34: 151. 1921.

Possibly not distinct from *Scaphyglottis cuneata*.
Panama.

SCAPHYGLOTTIS LINDENIANA (Rich. & Gal.) L. Wms. in Ann. Mo. Bot. Gard. 28: 423. 1941.

Hexadesmia fasciculata Brongn. in Ann. Sci. Nat. Bot. 2, 17: 44. 1842, non *Scaphyglottis fasciculata* Hook.

Hexadesmia Lindeniana Rich. & Gal. in Ann. Sci. Nat. Bot. 3, 3: 23. 1845.

Hexadesmia rhodoglossa Reichb. f. in Bonpl. 4: 326. 1856.

Hexadesmia pachybulbon Schltr. in Fedde Rep. Beih. 17: 26. 1922.

Hexadesmia rigidipes Schltr., 1. c. 19: 206. 1923.

Mexico to Panama.

SCAPHYGLOTTIS LIVIDA (Lindl.) Schltr. in Beih. Bot. Centralbl. 36, Abt. 2: 457. 1918.

Isochilus lividus Lindl. in Bot. Reg. 25: Misc. p. 36.
1839.

Mexico, Guatemala and Honduras.

SCAPHYGLOTTIS LONGICAULIS S. Wats. in Proc. Am.
Acad. 23: 286. 1888.

Scaphyglottis unguiculata Schltr. in Fedde Rep. 12:
206. 1913.

Guatemala, Honduras, Costa Rica and Panama. South
America.

SCAPHYGLOTTIS MESOCOPIS (Endres & Reichb. f.)
Benth. & Hook. in Godm. & Salv., Biol. Cent. Am. Bot. 3:
220. 1884.

Ponera mesocopis Endres & Reichb. f., Xenia Orch. 2:
222, t. 200. 1874.

Scaphyglottis Powellii Schltr. in Fedde Rep. Beih. 17:
28. 1922.

Costa Rica and Panama.

SCAPHYGLOTTIS MICRANTHA (Lindl.) A. & C. in Bot.
Mus. Leafl. Harv. Univ. 10: 85. 1942.

Hexadesmia micrantha Lindl. in Bot. Reg. 30: Misc. p.
2. 1844; Reichb. f., Xenia Orch. 1: 70, t. 59. 1856.

Guatemala, El Salvador, Honduras, Nicaragua, Costa
Rica and Panama.

SCAPHYGLOTTIS MINUTIFLORA A. & C. in Bot. Mus.
Leafl. Harv. Univ. 10: 83, t. 9. 1942.

Guatemala, British Honduras and possibly Panama.

SCAPHYGLOTTIS MODESTA (Reichb. f.) Schltr. in Fedde
Rep. 23: 46. 1926.

Tetragamestus modestus Reichb. f. in Bonpl. 2: 21.
1854.

Ponera modesta Reichb. f. in Linnaea 4: 85. 1877.

Reported but possibly does not occur in Central Amer-
ica.

Costa Rica?, the West Indies and South America.

SCAPHYGLOTTIS PULCHELLA (Schltr.) L. Wms. in Ann. Mo. Bot. Gard. 28: 424. 1941.

Ramonia pulchella Schltr. in Fedde Rep. Beih. 19: 295. 1923.

Hexadesmia pulchella Schltr., 1. c. 296.

Costa Rica.

SCAPHYGLOTTIS SPATHULATA C. Schweinf. in Bot. Mus. Leafl. Harv. Univ. 10: 28. 1941.

Hexadesmia Jimenezii Schlechter in Fedde Rep. Beih. 19: 293. 1923, non *Scaphyglottis Jimenezii* Schltr.

Costa Rica.

SCAPHYGLOTTIS STENOTEPALA (Reichb. f.) C. Schweinf. in Bot. Mus. Leafl. Harv. Univ. 10: 28. 1941.

Hexadesmia stenotepala Reichb. f. in Bonpl. 3: 221. 1855.

Nicaragua, Costa Rica and Panama.

SCAPHYGLOTTIS TENELLA L. Wms. in Ann. Mo. Bot. Gard. 28: 423. 1941.

Panama.

PLATYGLOTTIS L. Wms. in Ann. Mo. Bot. Gard. 29: 345, t. 34. 1942.

The following species is the only known representative of the genus.

PLATYGLOTTIS CORIACEA L. Wms. in Ann. Mo. Bot. Gard. 29: 347, t. 34. 1942.

Panama.

PONERA Lindl., Gen. & Sp. Orch. Pl. 113. 1831; Correll in Bot. Mus. Leafl. Harv. Univ. 9: 130. 1941.

A small genus of Central and South America.

PONERA GLOMERATA Correll in Bot. Mus. Leafl. Harv. Univ. 9: 132. 1941.

Mexico and Guatemala.

PONERA INCONSPICUA Lodd. ex Baxt. in Loud., Hort. Brit. ed. 3: 616. 1839.

The name is not valid. The plant is ascribed to Guatemala.

PONERA MACROGLOSSA Reichb. f. in Bot. Zeit. 10: 639. 1852.

Scaphyglottis macroglossa Schltr. in Beih. Bot. Centralbl. 36, Abt. 2: 457. 1918.

Guatemala.

PONERA STRIATA Lindl. in Bot. Reg. 28: Misc. p. 19. 1842.

Mexico, Guatemala, British Honduras, El Salvador, Honduras, Costa Rica and South America.

JACQUINIELLA Schltr. in Fedde Rep. Beih. 7: 123. 1920.

Jacquiniella is closely allied to Isochilus and may not be distinct.

JACQUINIELLA GLOBOSA (Jacq.) Schltr. in Fedde Rep. Beih. 7: 124. 1920.

Epidendrum globosum Jacq., Sel. Stirp. Am. 222, t. 133. 1763.

Isochilus globosus Lindl., Gen. & Sp. Orch. Pl. 112. 1831.

Mexico (?), Guatemala, Honduras, Nicaragua, Costa Rica and Panama.

ISOCHILUS R. Br. in Aiton, Hort. Kew. ed 2, 5: 209. 1813.

Closely allied to Jacquiniella and to Poneria. Species of Poneria and Isochilus are vegetatively very similar.

ISOCHILUS LINEARIS (Jacq.) R. Br. in Aiton, Hort. Kew. ed. 2, 5: 209. 1813.

Epidendrum lineare Jacq., Sel. Stirp. Am. 221, t. 131. 1763.