

PLEUROTHALLIS **lateralis** L. Wms., *nom. nov.*

Brenesia costaricensis Schltr. in Fedde Rep. Beih. 19: 200. 1923, non *Pleurothallis costaricensis* Rolfe nec Schltr.

A study of *Pleurothallis* over many years seems to indicate that this species belongs to that genus. The lateral inflorescence is hardly of generic consequence and in *P. Johnsonii* Ames the inflorescence occurs as both lateral and terminal.

Costa Rica.

PLEUROTHALLIS **LATERITIA** Reichb. f. in Gard. Chron. 731. 1872.

Costa Rica.

PLEUROTHALLIS **LENTIGINOSA** Lehm. & Kränzl. in Engler, Bot. Jahrb. 26: 446. 1899.

Pseudoctomeria lentiginosa Kränzl. in Fedde Rep. Beih. 34: 220. 1925; Kew Bull. 116. 1925.

Costa Rica.

PLEUROTHALLIS **LEPIDOTA** L. Wms. in Ann. Mo. Bot. Gard. 27: 279, t. 32. 1940.

Panama.

PLEUROTHALLIS **LEUCANTHA** Schltr. in Fedde Rep. 10: 353. 1912.

Pleurothallis gonioglossa Schltr. in Fedde Rep. Beih. 19: 189. 1923.

Pleurothallis Sanchoii Ames, Sched. Orch. 4: 26. 1923.
Guatemala and Costa Rica.

PLEUROTHALLIS **LEUCOPYRAMIS** Reichb. f. in Linnaea 41: 47. 1877.

Costa Rica?

PLEUROTHALLIS **LEWISII** Ames in Proc. Biol. Soc. Wash. 44: 41. 1931.

Guatemala and Honduras.

PLEUROTHALLIS LISTEROPHORA Schltr. in Fedde Rep.
3: 107. 1906.
Costa Rica.

PLEUROTHALLIS LONGIPEDICELLATA A. & S., Sched.
Orch. 8: 77. 1925.
Costa Rica.

PLEUROTHALLIS LUCTUOSA Reichb. f. in Linnaea 41:
48. 1877.
Costa Rica.

PLEUROTHALLIS MACRANTHA L. Wms. in Ann. Mo.
Bot. Gard. 28: 417, t. 21. 1941.
Panama.

PLEUROTHALLIS MATUDIANA C. Schweinf. in Bot. Mus.
Leafl. Harv. Univ. 5: 102. 1938.
Mexico and Guatemala.

PLEUROTHALLIS MELANOPUS Lehm. & Kränzl in Engler
Bot. Jahrb. 26: 443. 1899.
Costa Rica.

PLEUROTHALLIS MEMBRANIFLORA C. Schweinf. in Bot.
Mus. Leafl. Harv. Univ. 5: 91. 1938.
Costa Rica.

PLEUROTHALLIS MICROTATANTHA Schltr. in Fedde Rep.
3: 276. 1907.
Costa Rica.

PLEUROTHALLIS MINIMIFLORA Schltr. in Fedde Rep.
Beih. 19: 288. 1923.
Costa Rica.

PLEUROTHALLIS MINOR (Rendle) L. Wms. in Ceiba 1:
186. 1950.

Physoiphon minor Rendle in Journ. Bot. 38: 275.
1900.

Physoiphon Cooperi Ames, Sched. Orch. 1: 2. 1922.
Guatemala and Costa Rica.

- PLEUROTHALLIS MINUTA A. & S., Sched. Orch. 10: 30.
1930.
Costa Rica.
- PLEUROTHALLIS MINUTALIS Lindl., Folia Orch. Pleurothallis 40. 1859.
Mexico and Guatemala.
- PLEUROTHALLIS MINUTIPETALA A. & S., Sched. Orch.
10: 32. 1930.
Costa Rica.
- PLEUROTHALLIS MONSTRABILIS Ames, Sched. Orch. 6:
63. 1923.
Barbosella Brenesii Schltr. in Fedde Rep. Beih. 19:
201. 1923.
Costa Rica.
- PLEUROTHALLIS MOSCHATA Reichb. f., Xenia Orch. 3:
42, t. 217. 1881.
Costa Rica.
- PLEUROTHALLIS MURICATA Schltr. in Fedde Rep. 10:
293. 1912.
Pleurothallis sororia Schltr., 1. c. 294.
Kraenzlinella muricata Rolfe in Orch. Rev. 23: 326.
1915.
Kraenzlinella sororia Rolfe, 1. c. 326.
Pleurothallis diuturna Schltr. in Fedde Rep. Beih. 17:
19. 1922.
Guatemala, British Honduras, Honduras, Costa Rica
and Panama.
- PLEUROTHALLIS MUSCIFERA Lindl. in Bot. Reg. 28:
Misc. 72. 1842.
Restrepia muscifera Reichb. f. ex Lindl., Folia Orch.
Restrepia 2. 1859.
Guatemala.

PLEUROTHALLIS NARANJENSIS Reichb. f., Beitr. Orch. Cent. Am. 96. 1866.

Costa Rica.

PLEUROTHALLIS NAVARRENSIS Ames, Sched. Orch. 9: 34, f. 5. 1925.

Costa Rica.

PLEUROTHALLIS NERVOSUM Braid in Kew Bull. 201. 1924.

Costa Rica.

PLEUROTHALLIS NICARAGUENSIS Reichb. f. in Walp. Ann. 6: 171. 1861.

Nicaragua.

PLEUROTHALLIS OCTOMERIAE Schltr. in Fedde Rep. Beih. 17: 21. 1922.

Pleurothallis cerea Ames, Sched. Orch. 4: 19. 1923.

Panama.

PLEUROTHALLIS OPHIOCEPHALA Lindl. in Bot. Reg. 24: Misc. p. 34. 1838.

Restrepia ophiocephala Reichb. f. in Bonpl. 2: 88. 1854.

Mexico, Guatemala and Costa Rica.

PLEUROTHALLIS ORNATA Reichb. f. in Wittm., Gartenz. 1: 121. 1882.

"Central America".

PLEUROTHALLIS OSCITANS Ames in Bot. Mus. Leaflet. Harv. Univ. 2: 25, t. 1934.

Honduras.

PLEUROTHALLIS OVATILABIA A. & S., Sched. Orch. 10: 33. 1930.

Honduras, Costa Rica and Panama.

PLEUROTHALLIS PACHYGLOSSA Lindl. in Bot. Reg. 26: Misc. p. 68. 1840.

Pleurothallis conanthera Reichb. f., Xenia Orch. 3: 41,
t. 217. 1881.

Pleurothallis formosa Schltr. in Fedde Rep. 10: 291.
1912.

Masdevallia jalapensis Kränzl. in Fedde Rep. Beih. 34:
117. 1925.

Mexico, Guatemala, El Salvador and Costa Rica.

PLEUROTHALLIS PALLIOLATA Ames in Proc. Biol. Soc.
Wash. 35: 86. 1922.

Costa Rica.

PLEUROTHALLIS PANSAMALAE Schltr. in Fedde Rep.
10: 354. 1912.

Pleurothallis pansamalae var. *triangulabia* Correll in
Lloydia 10: 210. 1947.

Mexico, British Honduras, Guatemala and Honduras.

PLEUROTHALLIS PANTASMI Reichb. f. in Bonpl. 3: 224.
1855.

Nicaragua and Costa Rica.

PLEUROTHALLIS PAPILLIFERA Rolfe in Kew Bull. 77.
1915.

Costa Rica.

PLEUROTHALLIS PARVULA A. & S., Sched. Orch. 8: 30,
t. 23. 1924.

Costa Rica.

PLEUROTHALLIS PEDICELLARIS Schltr. in Fedde Rep.
10: 395. 1912.

Guatemala.

PLEUROTHALLIS PEPEROMIODES Ames, Sched. Orch. 6:
64. 1923 and 7: t. 4. 1924.

Costa Rica.

PLEUROTHALLIS PERGRATA Ames, Sched. Orch. 4: 24.
1923.

Costa Rica.

PLEUROTHALLIS PERPARVA Standl. & L. Wms. in Ceiba
3: 193. 1953.
Costa Rica.

PLEUROTHALLIS PERPUSILLA Reichb. f. in Bot. Voy.
Her. 215. 1852.

This is possibly a species of *Stelis*.

Panama.

PLEUROTHALLIS PFAVII Reichb. f. in Flora 69: 555.
1886.

Masdevallia platyrachis Rolfe in Gard. Chron. III, 4:
178. 1888.

Pleurothallis platyrachis Rolfe in Journ. Bot. 23: 135.
1890.

Kraenzlinella platyrachis Rolfe in Orch. Rev. 23: 326.
1915.

Mexico, El Salvador, Costa Rica and Panama.

PLEUROTHALLIS PLATYCARDIA Reichb. f., Beitr. Orch.
Cent. Am. 97. 1866.

Costa Rica and Panama.

PLEUROTHALLIS PHYLLOCARDIOIDES Schltr. in Fedde
Rep. Beih. 19: 193. 1923.

Pleurothallis Acostaei Schltr., 1. c. 295.

Honduras, Costa Rica and Panama.

PLEUROTHALLIS PILOSISSIMA Schltr. in Fedde Rep.
Beih. 19: 289. 1923.

Restrepia pilosissima A. & S. in Bot. Mus. Leafl. Harv.
Univ. 4: 100. 1937.

Costa Rica.

PLEUROTHALLIS PLATYSTYLIS Schltr. in Fedde Rep.
10: 395. 1912.

Pleurothallis Bernoullii Schltr., 1. c. 15: 204. 1918.

Mexico, Guatemala and Honduras.

PLEUROTHALLIS PLUMOSA Lindl. in Bot. Reg. 28: Misc.
p. 72. 1842.

Pleurothallis minax Reichb. f. in Bonpl. 2: 24. 1854.

Guatemala, Costa Rica, Trinidad and South America.

PLEUROTHALLIS POWELLII Schltr. in Fedde Rep. Beih.
17: 22. 1922.

Costa Rica (?), and Panama.

PLEUROTHALLIS PRAEGRANDIS Ames, Sched. Orch. 5:
17. 1923.

Panama.

PLEUROTHALLIS PRINGLEI Schltr. in Fedde Rep. 3: 20.
1906.

Mexico and Guatemala.

PLEUROTHALLIS PROPINQUA Ames, Sched. Orch. 6:
68. 1923.

Costa Rica.

PLEUROTHALLIS PROREPENS (Reichb. f.) AHS. in Bot.
Mus. Leaflet. Harv. Univ. 3: 39. 1934.

Restrepia prorepens Reichb. f. in Gard. Chron. n. s. 7:
810. 1877.

Barbosella prorepens Schltr. in Fedde Rep. 15: 263.
1918.

Costa Rica.

PLEUROTHALLIS PRUINOSA Lindl. in Bot. Reg. 28:
Misc. p. 75. 1842.

Pleurothallis pauciflora Schltr. in Fedde Rep. Beih. 19:
192. 1923.

West Indies, Costa Rica, Panama and South America.

PLEUROTHALLIS PTEROCAULIS L. Wms. in Ann. Mo.
Bot. Gard. 27: 280, t. 32. 1940.

Panama.

PLEUROTHALLIS PYRSODES Reichb. f. in Gard. Chron.
2: 386. 1876.

"Central America".

PLEUROTHALLIS QUINQUESETA Ames, Sched. Orch. 9:
35, f. 6. 1925.

Costa Rica.

PLEUROTHALLIS RAMONENSIS Schltr. in Fedde Rep.
Beih. 19: 193. 1923.

Costa Rica.

PLEUROTHALLIS RECTIPETALA A. & S., Sched. Orch. 8:
32. 1924.

Costa Rica.

RESTREPIA REICHENBACHIANA Endres in Gard. Chron.
2: 356. 1875.

Barbosella Reichenbachiana Schltr. in Fedde Rep.
Beih. 19: 26. 1923.

I do not know this species and hesitate to make the
combination to *Pleurothallis*.

Costa Rica.

PLEUROTHALLIS REPENS Ames, Orch. 2: 271. 1908.
Guatemala.

PLEUROTHALLIS RHODOGLOSSA Schltr. in Fedde Rep.
Beih. 17: 22. 1922.

Costa Rica and Panama.

PLEUROTHALLIS ROTUNDATA C. Schweinf. in Bot. Mus.
Leafl. Harv. Univ. 4: 115. 1937.

Panama.

PLEUROTHALLIS ROWLEEI Ames, Sched. Orch. 1: 11.
1922.

Pleurothallis cucullata Ames, Sched. Orch. 3: 5. 1923.

Costa Rica.

PLEUROTHALLIS RUSCIFOLIA (Jacq.) R. Br. in Aiton, Hort. Kew. ed. 2, 5: 211. 1813; Ames in Bot. Mus. Leafl. Harv. Univ. 1, No. 9: 5, t. 1933.

Epidendrum ruscifolium Jacq., Enum. 29. 1760.

Dendrobium ruscifolium Sw., Nov. Act. Upsal. 6: 84. 1799.

Pleurothallis glomerata Ames, Sched. Orch. 4: 21. 1923.

This is the type species of the genus.

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

PLEUROTHALLIS SACCATA Ames, Sched. Orch. 4: 25. 1923.

Costa Rica.

PLEUROTHALLIS SACCATILABIA C. Schweinf. in Bot. Mus. Leafl. Harv. Univ. 8: 57. 1940.

Costa Rica.

PLEUROTHALLIS SAMACENSIS Ames, Sched. Orch. 2: 22. 1923.

Guatemala and Costa Rica.

PLEUROTHALLIS SCANDENS Ames, Sched. Orch. 5: 18, t. 4. 1923.

Costa Rica.

PLEUROTHALLIS **Schweinfurthiana** L. Wms., *comb. nov.*

Physosiphon minutiflorus A. & S., Sched. Orch. 8: 11, t. 22. 1925, non *Pleurothallis minutiflora* S. Wats.

Panama.

PLEUROTHALLIS SEGOVIENSIS Reichb. f. in Bonpl. 3: 223. 1855.

Pleurothallis Wercklei Schltr. in Fedde Rep. 9: 213. 1911.

Pleurothallis bifalcis Schltr. in Beih. Bot. Centralbl. 36, Abt. 2: 395. 1918.

Pleurothallis Johannis Schltr. in Fedde Rep. Beih. 17: 140. 1922.

Pleurothallis Wagneri Schltr., 1. c. 141.

Pleurothallis falcatiloba Ames, in Proc. Biol. Soc. Wash. 34: 152. 1921.

Pleurothallis canae Ames, Sched. Orch. 2: 18. 1923.

Pleurothallis amethystina Ames, 1. c. 4: 14. 1923.

Pleurothallis melicoides Schltr. in Fedde Rep. Beih. 19: 23. 1923.

Pleurothallis vinacea Ames, 1. c. 6: 69. 1923.

Pleurothallis pompalis Ames, 1. c. 7: 23, t. 4. 1924.

Pleurothallis Aguilari Ames, Sched. Orch. 9: 28. 1925.

A variable and much described species that is common in parts of its range.

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

PLEUROTHALLIS SEGREGATIFOLIA A. & S., Sched. Orch. 8: 33. 1924.

Honduras and Costa Rica.

PLEUROTHALLIS SERTULARIOIDES (Sw.) Sprengl., Syst. Veg. 3: 721. 1826.

Epidendrum sertularioides Sw., Nov. Gen. & Sp. Pl. Prodr. 122. 1788.

West Indies, Mexico, Guatemala and Honduras.

PLEUROTHALLIS SETOSA C. Schweinf. in Bot. Mus. Leafl. Harv. Univ. 9: 64. 1941.

Masdevallia fimbriata A. & S., Sched. Orch. 10: 18. 1930, non *Pleurothallis fimbriata* Lindl.

British Honduras and Costa Rica.

PLEUROTHALLIS SIGMOIEDA A. & S., Sched. Orch. 10: 36. 1930.

Costa Rica.

PLEUROTHALLIS SIMMLERIANA Rendle in Journ. Bot.
38: 279. 1900.
Costa Rica.

PLEUROTHALLIS SIMPLEX A. & S., Sched. Orch. 10:
37. 1930.
Costa Rica.

PLEUROTHALLIS SIMULANS L. Wms. in Ann. Mo. Bot.
Gard. 27: 281, t. 33. 1940.
Panama.

PLEUROTHALLIS SPECTABILIS A. & S., Sched. Orch. 8:
34. 1925.
Costa Rica and Panama.

PLEUROTHALLIS STANDLEYI Ames, Sched. Orch. 9:
37, f. 7. 1925.
Costa Rica.

PLEUROTHALLIS STENOSTACHYA Reichb. f. in Linnaea
18: 399. 1844.

Pleurothallis dubia Rich. & Gal. in Ann. Sci. Nat. sér.
3, 3: 16. 1845.

Pleurothallis myriantha Lehm. & Kränzl. in Engler,
Bot. Jahrb. 26: 445. 1899.

Pleurothallis Lankesteri Rolfe in Kew Bull. 210. 1914.

Pleurothallis dubia var. *myriantha* Schltr. in Fedde
Rep. Beih. 17: 20. 1922.

Pleurothallis stenostachya var. *Lankesteri* Ames, Sched.
Orch. 7: 31. 1924.

Mexico, Guatemala, British Honduras, Honduras, Cos-
ta Rica and Panama.

PLEUROTHALLIS STRUMOSA Ames, Sched. Orch. 9: 41,
f. 6. 1925.
Costa Rica.

PLEUROTHALLIS SUBSERRATA (Schltr.) L. Wms. in
Bot. Mus. Leafl. Harv. Univ. 8: 144. 1940.

Restrepia subserrata Schltr. in Fedde Rep. Beih. 19: 291. 1923.

Costa Rica and Panama.

PLEUROTHALLIS TESTAEOFOLIA (Sw.) Lindl. in Ann. & Mag. Nat. Hist. ser. 3, 1: 328. 1858.

Epidendrum testaefolium Sw., Prodr. 71. 1799.

A specimen of this species is cited by Ames in the Flora of Costa Rica.

West Indies, Honduras and (?) Costa Rica.

PLEUROTHALLIS TONDUZII Schltr. in Beih. Bot. Centralbl. 36, Abt. 2: 397. 1918.

Costa Rica.

PLEUROTHALLIS TRACHYCLAMYS Schltr. in Fedde Rep. Beih. 17: 23. 1922; Ames, Sched. Orch. 7: 31, t. 19. 1924. Costa Rica (?), Panama and possibly South America.

PLEUROTHALLIS TRACHYSTOMA Schltr. in Fedde Rep. Beih. 19: 196. 1923.

Costa Rica.

PLEUROTHALLIS TRIANGULABIA C. Schweinf. in Ann. Mo. Bot. Gard. 24: 183. 1937.

Costa Rica and Panama.

PLEUROTHALLIS TRIANGULIPETALA A. & C. in Bot. Mus. Leafl. Harv. Univ. 10: 77, t. 7. 1942.

Guatemala.

PLEUROTHALLIS TRIBULOIDES (Sw.) Lindl., Gen. & Sp. Orch. Pl. 6. 1830.

Epidendrum tribuloides Sw., Prodr. 123. 1799.

Pleurothallis fallax Reichb. f. in Bonpl. 3: 224. 1855.

Cryptophoranthus acaulis Kränzl. in Fedde Rep. Beih. 34: 232. 1925.

West Indies, Mexico, British Honduras, Guatemala, Honduras, Costa Rica and Panama.

PLEUROTHALLIS TUERCKHEIMII Schltr. in Fedde Rep. 10: 292. 1912.

Pleurothallis megachlamys Schltr. in Fedde Rep. Beih. 19: 108. 1923.

Mexico, Guatemala, Honduras, Costa Rica and Panama.

PLEUROTHALLIS UJARENSIS (Reichb. f.) Lindl., Folia Orch. Pleurothallis 19. 1859.

Restrepia ujarensis Reichb. f. in Bonpl. 3: 225. 1855. Costa Rica.

PLEUROTHALLIS UNCINIATA Fawc. in Journ. Bot. 33: 12. 1909; Ames, Sched. Orch. 9: 42. 1923.

Pleurothallis Alexandrae Schltr. in Fedde Rep. Beih. 19: 103. 1923.

West Indies, Costa Rica and Jamaica.

PLEUROTHALLIS VAGINATA Schltr. in Fedde Rep. Beih. 19: 56. 1923.

Pleurothallis umbraticola Schltr. in Fedde Rep. 17: 56. 1929.

West Indies, Costa Rica and South America.

PLEUROTHALLIS VELATICAULIS Reichb. f. in Linnaea 22: 824. 1849; Ames, Sched. Orch. 9: 43. 1925.

Pleurothallis Pitteri Schltr. in Fedde Rep. 3: 247. 1906.

Costa Rica, Panama and South America.

PLEUROTHALLIS VIOLACEOROSEA Schltr. in Fedde Rep. Beih. 19: 24. 1923.

Costa Rica and Panama.

PLEUROTHALLIS VILIPENSA Reichb. f. in Hamb. Gartenz. 13: 3. 1857.

"Central America".

PLEUROTHALLIS VILLOSA Knowles & Westc.

This species has been cited as from Mexico and Costa Rica. It probably does not occur in either country.

PLEUROTHALLIS VIOLACEA Rich. & Gal. in Ann. Sci. Nat. sér. 3, 3: 16. 1845.

Mexico and Guatemala.

PLEUROTHALLIS VIOLOCEOROSEA Schltr. in Fedde Rep. Beih. 19: 198. 1923.

Costa Rica.

PLEUROTHALLIS VITTATA Lindl. in Bot. Reg. 24: Misc. p. 73. 1838; L. Wms. in Ann. Mo. Bot. Gard. 26: 280. 1939.

Pleurothallis mandibularis Kränzl. in Saert. af. Vidensk. Medd. Dansk Nat. Foren. 71: 169. 1920.

Pleurothallis polystachya Rich. & Gal. in Ann. Sci. Nat. sér. 3, 3: 16. 1845.

Pleurothallis Bourgeaui Kränzl. in Ark. f. Bot. 168: 15. 1920.

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

PLEUROTHALLIS XANTHOPHTHALMA (Reichb. f.) L. Wms. in Bot. Mus. Leafl. Harv. Univ. 8: 144. 1940.

Restrepia xanthophthalma Reichb. f. in Hamb. Gartenz. 21: 300. 1865.

Restrepia Powellii Schltr. in Fedde Rep. Beih. 17: 25. 1922.

Restrepia Tonduzii Schltr., 1. c. 19: 291. 1923.

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

PLEUROTHALLIS YUCATANENSIS A. & S. in Bot. Mus. Leafl. Harv. Univ. 1, No. 2: 4. 1932.

Mexico, British Honduras and Guatemala.

OCTOMERIA R. Br. in Aiton, Hort. Kew. ed. 2, 5: 211. 1813.

The Genus *Octomeria* is similar to *Pleurothallis* but is distinguished primarily by having eight pollinia.

OCTOMERIA COSTARICENSIS Schltr. in Fedde Rep. Beih. 19: 111. 1923.
Costa Rica.

OCTOMERIA HONDURENSIS Ames in Bot. Mus. Leafl. Harv. Univ. 1 No. 4: 1, t. 1933.
Honduras.

OCTOMERIA VALERIOI A. & S., Sched. Orch. 10: 51. 1930.
Costa Rica.

LEPANTHOPSIS Ames in Bot. Mus. Leafl. Harv. Univ. 1, No. 9: 3. 1933.

A small genus of six species with only the following in our range.

LEPANTHOPSIS FLORIPECTEN (Reichb. f.) Ames in Bot. Mus. Leafl. 1, No. 9: 11, t. 1933.

Pleurothallis floripecten Reichb. f. in Bonpl. 2: 25. 1854.

Not uncommon, but difficult to find, in the high pine forest area of Honduras.

Honduras and South America.

BRACHIONIDIUM Lindl., Folia Orch. Brachionidium 1859.

A small genus with only the two following species in our range.

BRACHIONIDIUM PUSILLUM A. & S., Sched. Orch. 10: 52. 1930.
Costa Rica.

BRACHIONIDIUM VALERIOI A. & S., Sched. Orch. 10: 51. 1930.

Costa Rica.

MALAXIS Sol. ex Sw. in Nov. Gen. & Sp. Pl. Prodr. 119. 1788; O. Kuntze, Rev. Gen. Pl. 2: 672. 1891.

Microstylis Nutt., Gen. No. Am. Pl. 2: 196. 1818.

The genus is a relatively large one with some 200 species in temperate and tropical regions. They are most abundant in tropical Asia and Oceania.

There has been a proposal in Taxon 4: 123. 1955 for the conservation of *Microstylis* "(Nutt.) Eaton". This proposal seems to lack any merit.

MALAXIS ACIANTHOIDES (Schltr.) Ames in Proc. Biol. Soc. Wash. 35: 84. 1922.

Microstylis acianthoides Schltr. in Fedde Rep. 15: 200. 1918.

Guatemala.

MALAXIS ADOLPHII (Schltr.) Ames, Orch. 7: 158. 1922.

Microstylis Adolphii Schltr. in Fedde Rep. 15: 380. 1918.

Costa Rica.

MALAXIS AUREA Ames, Sched. Orch. 5: 3, f. 1. 1923.

Microstylis guatemalensis Schltr. in Fedde Rep. 21: 334. 1925.

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

MALAXIS BLEPHARIGLOTTIS (Schltr.) Ames in Proc. Biol. Soc. Wash. 35: 84. 1922.

Microstylis blephariglottis Schltr. in Fedde Rep. 12: 202. 1913.

Costa Rica and Panama.

MICROSTYLIS CARNOSA (HBK.) C. Schweinf. in Bot. Mus. Leafl. Harv. Univ. 10: 32. 1941.

Stelis carnosa HBK., Nov. Gen. & Sp. Pl. 1: 362. 1816.

Microstylis gracilis Ridley in Journ. Linn. Soc. 24: 331. 1838.

Microstylis microtoides Schltr. in Beih. Bot. Centralbl. 36, Abt. 2: 381. 1918.

Mexico to Peru.

MALAXIS CORYMBOSA (S. Wats.) O. Kuntze, Rev. Gen. Pl. 2: 673. 1891.

Microstylis corymbosa S. Wats. in Proc. Am. Acad. 18: 195. 1882-1883.

Arizona and New Mexico, Mexico, Guatemala, El Salvador and Honduras.

MALAXIS CRISPIFOLIA (Reichb. f.) O. Kuntze Rev. Gen. Pl. 2: 673. 1891.

Microstylis crispifolia Reichb. f., Beitr. Orch. Cent. Am. 100. 1866.

Costa Rica.

MALAXIS EHRENBERGII (Reichb. f.) O. Kuntze, Rev. Gen. Pl. 2: 673. 1891; A. & S. in Bot. Mus. Leafl. Harv. Univ. 3: 115. 1935.

Microstylis Ehrenbergii Reichb. f. in Linnæa 22: 835. 1849.

Microstylis minutiflora Schltr. in Bull. Herb. Boiss. 7: 540. 1899.

Arizona and New Mexico. Mexico and Guatemala.

MALAXIS EXCAVATA (Lindl.) O. Kuntze, Rev. Gen. Pl. 2: 673. 1891; L. Wms. in Bot. Mus. Leafl. Harv. Univ. 6: 75. 1938.

Microstylis excavata Lindl. in Bot. Reg. 24: Misc. p. 54. 1838.

Microstylis hastilabia Reichb. f., Beitr. Orch. Cent. Am. 101. 1866.

Malaxis hastilabia O. Kuntze, 1. c.

Microstylis Carpenterae Schltr. in Beih. Bot. Centralbl. 36, Abt. 2: 381. 1918.

Malaxis Carpenterae Ames, Orch. 7: 157. 1922.

Malaxis Lankesteri Ames, Sched. Orch. 4: 7. 1923.

Malaxis uncinata A. & S., Sched. Orch. 10: 15. 1930.

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

MALAXIS FASTIGIATA (Reichb. f.) O. Kuntze, Rev. Gen. Pl. 2: 673. 1891.

Malaxis maianthemifolia Rich. & Gal. in Ann. Sci. Nat. sér. 3, 3: 18. 1845.

Dienia majanthemifolia Reichb. f. in Linnæa 19: 369. 1846.

Microstylis fastigiata Reichb. f. in Linnæa 22: 834. 1849.

Microstylis brachyrrhynchos Reichb. f. in Flora 71: 152. 1888.

Malaxis brachyrrhyncha Ames in Proc. Biol. Soc. Wash. 35: 84. 1922.

Malaxis Lankesteri Ames, Sched. Orch. 4: 7. 1923.

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

MALAXIS LAGOTIS (Reichb. f.) O. Kuntze, Rev. Gen. Pl. 2: 673. 1891.

Microstylis lagotis Reichb. f., Beitr. Orch. Cent. Am. 101. 1866.

Costa Rica.

MALAXIS LEPANTHIFLORA (Schltr.) Ames in Proc. Biol. Soc. Wash. 35: 84. 1922.

Microstylis lepanthiflora Schltr. in Fedde Rep. 15: 200. 1918.

Guatemala.

MALAXIS LEPIDOTA (Finet) Ames in Proc. Biol. Soc. Wash. 35: 84. 1922.

Microstylis lepidota Finet in Bull. Soc. Bot. Fr. 54: 531. 1907.

Mexico, Guatemala and Honduras.

MALAXIS MACROSTACHYA (Llave & Lex.) O. Kuntze, Rev. Gen. Pl. 2: 673. 1891.

Ophris macrostachya La Llave & Lex., Nov. Veg. Descr. 2: Orch. Opusc. 9. 1825.

Microstylis macrostachya Lindl., Gen. & Sp. Orch. Pl. 21. 1830.

An obscure species of Mexican origin which has been accredited many times to Central American countries. It is best not to use the name.

MALAXIS MAJANTHEMIFOLIA Schl. & Cham. in Linnaea 6: 59. 1831; A. & S. in Bot. Mus. Leafl. Harv. Univ. 3: 121. 1935, non Rich. & Gal. 1845.

Microstylis majanthemifolia Reichb. f., Beitr. Orch. Cent. Am. 99. 1866.

Malaxis ichthyorrhyncha Rich. & Gal. in Ann. Sci. Nat. sér. 3, 3: 18. 1843.

Microstylis ichthyorrhyncha Reichb. f., 1. c

Mexico, Guatemala, Honduras, Costa Rica and Panama.

MALAXIS MAXONII Ames, Sched. Orch. 6: 36. 1923.
Mexico, Honduras and Nicaragua.

MALAXIS NANA C. Schweinf. in Bot. Mus. Leafl. Harv. Univ. 5: 89. 1938.
Costa Rica.

MALAXIS PANDURATA (Schltr.) Ames in Proc. Biol. Soc. Wash. 35 : 84. 1922.

Microstylis pandurata Schltr. in Fedde Rep. 3: 77. 1906.

Microstylis Tuerckheimii Schltr. in Beih. Bot. Centralbl. 36, Abt. 2: 382. 1918.

Guatemala and Costa Rica.

MALAXIS PARTHONII Morren in Bull. Acad. Roy. Belg. 5: 485. 1838.

Microstylis Parthonii Reichb. f. in Walp. Ann. 6: 206. 1861.

Microstylis histionantha LKO., Ic. Pl. Rar. Hort. Berol. 1: 11, t. 5. 1841; Hook. in Bot. Mag. 70: t. 4103. 1844.

Microstylis Brenesii Schltr. in Fedde Rep. Beih. 19: 167. 1923.

Mexico, Central America, Panama and South America.

MALAXIS PARTHONII var. DENTICULATA (Reichb. f.) AHS. in Bot. Mus. Leafl. Harv. Univ. 3: 40. 1934.

Microstylis Parthonii var. *denticulata* Reichb. f., Beitr. Orch. Cent. Am. 100. 1866.

Microstylis Wercklei Schltr. in Beih. Bot. Centralbl. 36, Abt. 2: 382. 1918.

Malaxis Wercklei Ames in Proc. Biol. Soc. Wash. 35: 85. 1922.

Costa Rica and Panama.

MALAXIS PITTIERI (Schltr.) Ames in Proc. Biol. Soc. Wash. 35: 84. 1922.

Microstylis Pittieri Schltr. in Fedde Rep. 12: 203. 1913. Panama.

MALAXIS SIMILLIMA (Reichb. f.) O. Kuntze, Rev. Gen. Pl. 2: 673. 1891.

Microstylis simillima Reichb. f., Beitr. Orch. Cent. Am. 101. 1866.

Costa Rica and Panama.

MALAXIS SOULEI L. Wms. in Ann. Mo. Bot. Gard. 21: 343. 1934.

Microstylis montana Rothrock in Wheeler Rep. U .S. Geol. Surv. W. 100th Merid. 6: 264. 1878.

Malaxis montana O. Kuntze, Rev. Gen. Pl. 2: 673. 1891, non Blume.

Malaxis macrostachya of authors, not (Llave & Lex.) O. Kuntze.

Arizona (U.S.A.) to Panama.

MALAXIS STEYERMARKII Correll in Lloydia 10: 210. 1947.

Guatemala.

MALAXIS TIPULOIDES (Lindl.) O. Kuntze, Rev. Gen. Pl. 2: 673. 1891, as *tipulodea*.

Microstylis tipuloides Lindl. in Ann. Nat. Hist. 15: 256. 1845.

Liparis tipuloides Schltr. in Fedde Rep. Beih. 19: 91. 1923.

Liparis eustachys Schltr., 1. c.

Costa Rica, Panama and South America.

MALAXIS TONDUZII (Schltr.) Ames in Proc. Biol. Soc. Wash. 35: 85. 1922.

Microstylis Tonduzii Schltr. in Fedde Rep. 3: 106. 1906.

Costa Rica.

MALAXIS UNIFOLIA Michx., Fl. Bor. Am. 2: 157. 1803.

A widespread and variable species with many synonyms but none applicable to our region.

Newfoundland to Honduras and the West Indies.

MALAXIS WENDLANDII (Reichb. f.) L. Wms. in Ann. Mo. Bot. Gard. 33: 242. 1946.

Liparis Wendlandii Reichb. f., Beitr. Orch. Cent. Am. 93. 1866.

Costa Rica and Panama.

MALAXIS WOODSONII L. Wms. in Ann. Mo. Bot. Gard. 26: 281, t. 21. 1939.
Panama.

LIPARIS L. C. Rich. in Mém. Mus. Par. 4: 48. 1818.

A genus of widespread distribution in both hemispheres, from boreal regions to the tropics.

LIPARIS ELATA Lindl. in Bot. Reg. 14: t. 1175. 1828.
Florida, Mexico, Central America, Panama and South America.

LIPARIS FANTASTICA A. & S. in Bot. Mus. Leaflet. Harv. Univ. 2: 97, t. 1934.
Guatemala.

LIPARIS FANTASTICA var. CORDIFORMIS (C. Schweinf.) L. Wms. in Ceiba 1: 127. 1950.

Liparis cordiformis C. Schweinf. in Bot. Mus. Leaflet. Harv. Univ. 4: 110. 1937.

Mexico, Guatemala and Honduras.

LIPARIS FRATRUM Schltr. in Fedde Rep. Beih. 19: 92. 1923.
Costa Rica and Panama.

LIPARIS VEXILLIFERA (Llave & Lex.) Cogn. in Martius, Fl. Bras. III, 4: 289. 1895.

Cymbidium vexilliferum Llave & Lex., Nov. Veg. Descr. 2: 11. 1825.

Malaxis Galeottiana Rich. & Gal. in Ann. Sci. Nat. sér. 3, 3: 18. 1845.

Liparis Galeottiana Hemsl. in Gard. Chron. 559. 1879.

Liparis vexillifera var. *Galeottiana* A. & C. in Bot. Mus. Leafl. Harv. Univ. 10: 79. 1942.

Mexico, Guatemala.

LIPARIS VEXILLIFERA var. ARNOGLOSSOPHYLLA (Reichb. f.) R. E. Schultes in Bot. Mus. Leafl. Harv. Univ. 7: 123. 1939.

Sturmia arnoglossophylla Reichb. f. in Bonpl. 4: 217. 1856.

Liparis arnoglossophylla "Rchb. f." ex Hemsl. in Godman & Salvin, Biol. Cent. Am. Bot. 3: 212. 1883.

Mexico and Guatemala.

HEXISEA Lindl. in Hook., Journ. Bot. 1: 7. 1834.

Euthonaea Reichb. f. in Bot. Zeit. 10: 772. 1852.

Costaricaea Schltr. in Fedde Rep. Beih. 19: 30. 1923.

Fractiunguis Schltr., 1. c. 31.

Hexisea is a small genus of Mexico, Central America and northern South America. It is possibly not distinct from *Alamania*.

HEXISEA AMPAROANA (Schltr.) AHS. in Bot. Mus. Leafl. Harv. Univ. 3: 40. 1934.

Costaricaea Amparoana Schltr. in Fedde Rep. Beih. 19: 31. 1923.

Costa Rica.

HEXISEA BIDENTATA Lindl. in Hook., Journ. Bot. 1: 8. 1834.

Diothonaea imbricata Lindl., Sert. Orch. t. 40. 1841.

Epidendrum oppositifolium Rich. & Gal. in Ann. Sci. Nat. sér. 3, 3: 21. 1845.

Diothonaea oppositifolia Reichb. f. in Linnaea 22: 842. 1849.

Euthonaea oppositifolia Reichb. f. in Bot. Zeit. 10: 772. 1852.

Euthonaea imbricata Reichb. f., 1. c.

Hexisea oppositifolia Reichb. f. in Walp. Ann. 6: 470. 1862.

Hexisea imbricata Reichb. f., 1. c.

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

HEXISEA CUNICULATA (Schltr.) Ames, Sched. Orch. 9: 48. 1925.

Fractiunguis cuniculatus Schltr. in Fedde Rep. Beih. 19: 31. 1923.

Fractiunguis cunuculatus var. *gracilis* Schltr., 1. c. 204. Costa Rica.

HEXISEA LANKESTERI Ames, Sched. Orch. 9: 47. 1925. Costa Rica.

HEXISEA SIGMOIDEA A. & S., Sched. Orch. 8: 39. 1925. Costa Rica.

EPIDENDRUM L., Sp. Pl. ed. 2: 1347. 1763; Ames, Hubb. & Schweinf., Genus Epidendrum in U. S. & Mid. Am. 6. 1936. The name is conserved with *E. nocturnum* Jacq. as the type.

Amphiglottis Salisb. in Trans. Hort. Soc. Lond. 1: 294. 1812, sine descr. gener.

Dinema Lindl., Coll. Bot. 1825, app., nomen subnudum.

Encyclia Hook. in Bot. Mag. 55: t. 2831. 1828.

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

Barkeria Knowl. & Westc., Flor. Cab. 2: 7, t. 49. 1838.

Epithecia Knowl. & Westc., 1. c. 2: 167, t. 87. 1839.

Seraphyta Fischer & Meyer in Bull. Sci. Acad. St. Peters. 7: 24. 1840.

Hormidium Lindl. ex Heynhold, Nomencl. Bot. Nachtr. 880. 1841.

Oerstedella Reichb. f. in Bot. Zeit. 10: 932. 1852.

Spathiger Small, Fl. Miami 55. 1913.

Epicladium Small, 1. c. 56.

Nidema Britt. & Millsp., Bahama Fl. 94. 1920.

Dimeranda Schltr. in Fedde Rep. Beih. 17: 43. 1922.

Epidendrum is one of the largest of the new world orchid genera and one of the most fascinating. There are many fine species in Central America, of which some have been in cultivation.

The annotated list and key of Ames, Hubbard and Schweinfurth cited above is followed here in so far as that is possible.

EPIDENDRUM ABBREVIATUM Schltr. in Fedde Rep. 3: 107. 1906.

Epidendrum prorepens Ames, Sched. Orch. 2: 33. 1923.

Guatemala, Honduras, Costa Rica and Panama.

EPIDENDRUM ADNATUM A. & S., Sched. Orch. 8: 41. 1925.

Costa Rica.

EPIDENDRUM ALATUM Batem., Orch. Mex. & Guat. t. 18. 1840.

Epidendrum calocheilum Hook. in Bot. Mag. 68. t. 3898. 1841.

Epidendrum longipetalum Lindl. & Paxt. in Paxt., Fl. Gard. 1: 149, t. 30. 1850-1851, *non* Rich. & Gal.

Epidendrum ambiguum Lindl., Fol. Orch. Epid. p. 18. 1853.

Epidendrum formosum Kl. in Allgem. Gartenz. 21: 201. 1853.

Epidendrum belizense Reichb. f. in Linnaea 41: 78. 1876.

Encyclia alata Schltr., Orch. 207. 1914.

Encyclia ambigua Schltr., 1. c. 208.

Encyclia belizensis Schltr. in Beih. Bot. Centralbl. 36, Abt. 2: 471. 1918.

Mexico, British Honduras, Guatemala, Honduras, Nicaragua, possibly also the West Indies and South America.

EPIDENDRUM ALBERTII Schltr. in Fedde Rep. Beih. 19: 208. 1923.

Costa Rica.

EPIDENDRUM ALFAROI A. & S., Sched. Orch. 10: 55. 1930.

Costa Rica.

EPIDENDRUM ALLENII L. Wms. in Ann. Mo. Bot. Gard. 28: 418, t. 22. 1941.

Panama.

EPIDENDRUM ALTICOLA A. & C. in Bot. Mus. Leaflet. Harv. Univ. 10: 80, t. 8. 1942.

Guatemala.

EPIDENDRUM ANCEPS Jacq., Sel. Stirp. Am. 224, t. 138. 1763.

Epidendrum musciferum Lindl. in Hook., Journ. Bot. 1: 6. 1834.

Epidendrum anceps (var. beta) *virescens* Hemsl. in Godman & Salvin Biol. Cent. Am. Bot. 3: 225. 1883.

Epidendrum anceps (var. γ) *viridipurpureum* Hemsl. l. c.

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

EPIDENDRUM ANOGLOSSOIDES A. & S., Sched. Orch. 10: 56. 1930.

Costa Rica.

EPIDENDRUM ANOGLOSSUM Schltr. in Fedde Rep. 9: 93. 1842.

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

Mexico, Guatemala, El Salvador and Honduras.

EPIDENDRUM ARBUSCULA var. RADIOFERENS AHS. in Bot. Mus. Leaflet. Harv. Univ. 3: 62. 1935.
Mexico and Guatemala.

EPIDENDRUM ARCUIFLORUM A. & S., Sched. Orch. 10: 58. 1930.
Costa Rica.

EPIDENDRUM AROMATICUM Batem., Orch. Mex. & Guat. t. 10. 1838.

Epidendrum incumbens Lindl. in Bot. Reg. 26: Misc. p. 45. 1840.

Encyclia aromatica Schltr., Orch. 208. 1914.

Mexico and Guatemala.

EPIDENDRUM ATROPURPUREUM Willd., Sp. Pl. 4: 115. 1805.

Epidendrum macrochilum Hook. in Bot. Mag. 63: t. 3534. 1836.

Epidendrum macrochilum var. *roseum* Batem., Orch. Mex. & Guat. t. 17. 1839.

Epidendrum longipetalum Godfrey-Lebeuf in Orchidoph. 12: 257. 1892, *non* Rich. & Gal. *nec* Lindl. & Paxt.

Encyclia atropurpurea Schltr., Orch. 208, fig. 1914. Rep. Beih. 17: 45. 1922.

Encyclia atropurpurea var. *rhodoglossa* Schltr., l. c. 45.

One of the most attractive species of *Epidendrum* and one that has been often in cultivation. There are several horticultural varieties of the species.

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

EPIDENDRUM ATROPURPUREUM var. LACINIATUM AHS. in Bot. Mus. Leaflet. Harv. Univ. 3: 63. 1935.

Perhaps a malformation of the species.
Panama.

EPIDENDRUM BARBAE Reichb. f., Beitr. Orch. Cent.
Am. 83. 1866.
Costa Rica.

EPIDENDRUM BARBEYANUM Kränzl., in Bull. Herb.
Boiss. 3: 607. 1895.

Epidendrum Amparoanum Schltr. in Fedde Rep. Beih.
19: 34. 1923.

This species may well be a synonym of the variable *E.*
difforme.

Costa Rica and Panama.

EPIDENDRUM BILOBATUM Ames, Sched. Orch. 7: 2.
1924.

Costa Rica.

EPIDENDRUM BISULCATUM Ames, Sched. Orch. 5: 24,
fig. 5. 1923.

Panama.

EPIDENDRUM BOOTHIANUM Lindl. in Bot. Reg. 24:
Misc. p. 5. 1838.

Epicladium Boothianum Small, Fl. Miami 56. 1913.

It is possible that *Epidendrum bidentatum* Lindl. will
prove to be the same. If it should it will take the place of
E. Boothianum as it is older.

Florida, Mexico, British Honduras and Cuba.

EPIDENDRUM BOOTHII (Lindl.) L. Wms. in Ann. Mg.
Bot. Gard. 26: 282. 1939.

Maxillaria Boothii Lindl. in Bot. Reg. 24: Misc. p. 52.
1838.

Dinema palacea Lindl., 1. c. 26: Misc. p. 51. 1840.

Epidendrum auritum Lindl., 1. c. 29: Misc. p. 4. 1843.

Epidendrum paleaceum Reichb. f., Beitr. Orch. Cent.
Am. 80. 1866.

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

Epidendrum Boothii is widely distributed in the West Indies, Mexico, Central America and South America mainly on the Pacific watershed.

West Indies, Mexico, Central America, South America.

EPIDENDRUM BRACTEOSUM A. & S., Sched. Orch. 10: 59. 1930.

Costa Rica.

EPIDENDRUM BRACTESCENS Lindl. in Bot. Reg. 26: Misc. p. 58. 1840.

Encyclia bractescens Hoehne in Arq. Bot. Est. S. Paulo n. s. 2: 150. 1952.

Mexico, British Honduras, Guatemala, Honduras and possibly West Indies.

EPIDENDRUM BRASSAVOLAE Reichb. f. in Bot. Zeit. 10: 729. 1852.

Encyclium Brassavolae Lindl. ex Stein, Orchideenb. 224. 1892.

An attractive species that has been quite often cultivated.

Mexico, Guatemala, Honduras, Costa Rica and Panama.

EPIDENDRUM BRENESII Schltr. in Fedde Rep. Beih. 19: 209. 1923.

Costa Rica.

EPIDENDRUM CALIGARIUM Reichb. f. in Gard. Chron. 1110. 1869; Ames, Sched. Orch. 9: 48, fig. 8, 1925.

Panama, also reported from Mexico and South America.

EPIDENDRUM CAMPYLOSTALIX Reichb. f. in Bot. Zeit. 10: 730. 1852.

Epidendrum lineatum Kl. ex Reichb. f., Beitr. Orch. Cent. Am. 32. 1866, in synonym, *non* Salisb. *nec* Vel., *nec* Rich. & Gal.

Epidendrum glaucum Skinner ex Reichb. f., 1. c., in
synon., non Sw. nec. Lindl.

Encyclia campylostalix Schltr. in Fedde Rep. Beih. 17:
45. 1922.

Costa Rica and Panama.

EPIDENDRUM CAROLII Schltr. in Fedde Rep. Beih. 19:
35. 1923.

Mexico, Costa Rica, Panama.

EPIDENDRUM CENTRADENIA Reichb. f. in Walp. Ann.
6: 1162 (index). 1865.

Oerstedella centradenia Reichb. f., 1. c. 932.

Epidendrum tenuiflorum Schltr. in Fedde Rep. 3: 49.
1906.

Costa Rica and Panama.

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

Oerstedella centropetala Reichb. f., 1. c. 932.

Epidendrum aberrans Schltr. in Fedde Rep. 15: 206.
1918.

Epidendrum leprosum Schltr. in Fedde Rep. Beih. 19:
38. 1923.

Guatemala, Honduras, Costa Rica and Panama.

EPIDENDRUM CERINUM Schltr. in Beih. Bot. Centralbl.
36, Abt. 2: 402. 1918.

Guatemala.

EPIDENDRUM CHINENSE (Lindl.) Ames, Sched. Orch.
7: 4. 1924.

Broughtonia chinensis Lindl. in Hook., Lond. Jour. 1:
492. 1842.

Epidendrum nonchinense Reichb. f. in Linnaea 41: 78.
1876.

Epidendrum strophinx Reichb. f., 1. c.

Laeliopsis nonchinensis Lindl. ex Reichb. f. in Saund. Ref. Bot. 2: sub t. 139. 1882, *in synonym*.

Barkeria nonchinensis Schltr., Orch. 206. 1914.

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

EPIDENDRUM CHLOE Reichb. f. in Bonpl. 4: 327. 1856.

Epidendrum culmiforme Schltr. in Fedde Rep. 10: 485. 1912.

Guatemala and Honduras.

EPIDENDRUM CHLOROPS Reichb. f. in Gard. Chron. n. s. 14: 524. 1880.

Epidendrum flavovirens Reichb. f. in Beitr. Orch. Cent. Am. 65. 1866, *non Regel*.

Epidendrum piestocaulos Schltr. in Fedde Rep. 15: 207. 1918.

Epidendrum simile Schltr. in Beih. Bot. Centralbl. 36, Abt. 2: 408. 1918.

This species may well be a synonym of *E. polyanthum*. Mexico, Guatemala and El Salvador.

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

Mexico and Guatemala.

EPIDENDRUM CILIARE L., Syst. Nat. ed. 10: 1246. 1759.

Phaedrosanthus ciliaris O. Kuntze in Post & Kuntze, Lex. Gen. Phanerog. 429. 1904.

One of the most widely distributed and commonest orchids of Central America.

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

EPIDENDRUM CILIARE var. OERSTEDII (Reichb. f.) L. Wms. in Ann. Mo. Bot. Gard. 33: 327. 1946.

Epidendrum Oerstedii Reich. f. in Bot. Zeit. 10: 937. 1852.

Epidendrum costaricense Reichb. f., 1. c.

Epidendrum Umlaufii Zahlbr. in Wiener, Ill. Gartenz. 18: 209, t. 2. 1893.

Honduras, Costa Rica and Panama.

EPIDENDRUM CIRCINATUM Ames, Sched. Orch. 7: 4. 1924.

Costa Rica.

EPIDENDRUM CLOWESII Batem. ex Lindl. in Bot. Reg. 30: Misc. p. 16. 1844.

This species should almost certainly be referred to *E. polyanthum*.

Guatemala.

EPIDENDRUM CNEMIDOPHORUM Lindl., Folia Orch. Epid. 53. 1853.

Epidendrum affine Reichb. f. in Bonpl. 4: 327. 1856, non Focke nec A. Rich.

Epidendrum macrobotrum Lindl. ex Reichb. f., 1. c.

Epidendrum Pfavii Rolfe in Kew Bull. 392. 1894.

Encyclia affinis Schltr. in Beih. Bot. Centralbl. 36, Abt. 2: 471. 1918.

Guatemala, Honduras, Nicaragua and Costa Rica.

EPIDENDRUM COBANENSE Ames & Schltr., Sched. Orch. 5: 27, fig. 1. 1923.

Mexico, Guatemala and Honduras.

EPIDENDRUM COCHLEATUM L., Sp. Pl. ed. 2: 1351. 1763, excl. Sloane synonym.; Sims in Bot. Mag. 15: t. 572. 1802.

Anacheilum cochleatum Hoffm. in Linnaea 16: Litt. 229. 1842.

Phaedrosanthus cochleatus O. Kuntze in Post & Kuntze, Lex. Gen. Phanerog. 429. 1904.

Epidendrum cochleatum var. *costaricense* Schltr. in Fedde Rep. Beih. 19: 118. 1923.

A common and widely distributed species that was in cultivation early.

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

EPIDENDRUM COCLEENSE AHS. in Bot. Mus. Leaflet. Harv. Univ. 4: 6. 1936.

Panama.

EPIDENDRUM COLLARE Lindl. in Bot. Reg. 29: Misc. 60. 1843.

Guatemala.

EPIDENDRUM COMAYAGUENSE Ames in Bot. Mus. Leaflet. Harv. Univ. 1, N° 8: 1, t. 1933.

Mexico and Honduras.

EPIDENDRUM CONCAVILABIUM C. Schweinf. in Bot. Mus. Leaflet. Harv. Univ. 4: 118. 1937.

Costa Rica.

EPIDENDRUM CONDYLOCHILUM Lehm. & Kränzl. in Engler, Bot. Jahrb. 26: 459. 1899.

Epidendrum tessellatum Batem. ex Lindl. in Bot. Reg. 24: Misc. p. 7. 1838, *non* Roxb. 1795.

Encyclia tessellata Schltr. in Beih. Bot. Centralbl. 36, Abt. 2: 474. 1918.

Epidendrum Deamii Schltr., 1. c. 402.

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

EPIDENDRUM CONFERTUM A. & S., Sched. Orch. 10: 61. 1930.

Epidendrum prostratum Schltr. in Beih. Bot. Centralbl. 36, Abt. 2: 407. 1918, *non* Cogn.

Costa Rica and Panama.

EPIDENDRUM CONGESTUM Rolfe in Kew Bull. 29. 1913.

Epidendrum serruliferum Schltr. in Fedde Rep. Beih. 19: 44. 1923.

Costa Rica and Panama.

EPIDENDRUM CORDIFORME C. Schweinf. in Bot. Mus. Leaflet. Harv. Univ. 8: 47, t. 1940.

Costa Rica.

EPIDENDRUM CORIIFOLIUM Lindl. in Journ. Hort. Soc. London 6: 218, fig. 1851; Summerhayes in Bot. Mag. 160: t. 9477. 1937.

Epidendrum magnibracteatum Ames, Sched. Orch. 1: 16. 1922, *non* Kränzl.

Epidendrum coriifolium var. *purpurascens* Schltr. in Fedde Rep. Beih. 17: 31. 1922.

Epidendrum fuscopurpureum Schltr., 1. c. 32.

Epidendrum palmense Ames, Sched. Orch. 2: 33. 1923.

Epidendrum subviolascens Schltr. in Fedde Rep. Beih. 19: 219. 1923.

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

EPIDENDRUM CRASSILABIUM Poepp. & Endl., Nov. Gen. ac Sp. 2: 1, t. 102. 1838.

Epidendrum baculibulbum Schltr. in Fedde Rep. Beih. 19: 116. 1923.

There are a large number of South American synonyms of this species.

West Indies, Costa Rica, Panama and South America.

EPIDENDRUM CRESCENTILABIUM Ames, Sched. Orch. 4: 37. 1923.

This species may be a synonym of *E. centropetalum* Reichb. f.

Costa Rica.

EPIDENDRUM CRINIFERUM Reichb. f. in Gard. Chron. 1291. 1871; Hook. in Bot. Mag. 100: t. 6094. 1874.
Costa Rica, Panama and South America.

EPIDENDRUM CRISTATUM R. & P., Syst. Veg. 243. 1798;
C. Schweinf. in Bot. Mus. Leaflet. Harv. Univ. 11: 222. 1944.

Epidendrum raniferum Lindl., Gen. & Sp. Orch. Pl. 109. 1831.

There are a large number of synonyms of this species in South America.

Mexico. British Honduras, Guatemala, Honduras, Trinidad and South America.

EPIDENDRUM CRYPTANTHUM L. Wms. in Am. Orch. Soc. Bull. 11: 249, t. 7. 1942.
Panama.

EPIDENDRUM CYSTOSUM Ames in Bot. Mus. Leaflet. Harv. Univ. 2: 106, t. 1934.
Honduras.

EPIDENDRUM DENTIFERUM A. & S., Sched. Orch. 8. 42. 1925.

Epidendrum platytilum Schltr. in Fedde Rep. Beih. 19: 42. 1923, non Schltr. 1921.

EPIDENDRUM DENTILOBUM AHS. in Bot. Mus. Leaflet. Harv. Univ. 3: 69. 1935.
Panama.

EPIDENDRUM DIFFORME Jacq., Enum. Pl. Carib. 29. 1760; Sel. Stirp. Am. 223, t. 136. 1763.

Auliza difforme Small, Flora Miami 56. 1913.

Epidendrum chlorocorymbos Schltr. in Fedde Rep. Beih. 17: 30. 1922.

Epidendrum curvicolonna AHS. in Bot. Mus. Leaflet. Harv. Univ. 3: 67. 1935.

Amphiglottis difforme Brit. in Brit & Wilson, Bot. Porto Rico & Virgin Is. 1: 200. 1924.

Epidendrum difforme is one of the commonest and most variable of the genus in Central America. Some forms are attractive.

Florida, West Indies, Mexico, Central America, Trinidad and much of tropical South America.

EPIDENDRUM DIFFORME var. FIRMUM (Reichb. f.) AHS. in Bot. Mus. Leaf. Harv. Univ. 2: 55. 1934.

Epidendrum firmum Reichb. f., Beitr. Orch. Cent. Am. 87. 1866.

Epidendrum majale Schltr. in Beih. Bot. Centralbl. 36. Abt. 2: 406. 1918.

The variety is dubiously distinct from the species.

Guatemala, Costa Rica and Panama.

EPIDENDRUM DIFFORME var. SIMULACRUM (Ames) AHS. in Bot. Mus. Leaf. Harv. Univ. 2: 57. 1934.

Epidendrum simulacrum Ames, Sched. Orch. 6: 75. 1923.

A small flowered variant of the species and probably not distinct.

Panama.

EPIDENDRUM DIFFORME var. STORKII (Ames) AHS. in Bot. Mus. Leaf. Harv. Univ. 2: 56. 1934.

Epidendrum Storkii Ames, Sched. Orch. 7: 10: 1924.

Another variant possibly not distinct from the species. Costa Rica.

EPIDENDRUM DIFFUSUM Sw., Prodr. Veg. Ind. Occ. 121. 1788; Hook. in Bot. Mag. 64: t. 3565. 1837.

Seraphyta diffusa Pfitzer in Engler & Prantl, Nat. Pflanzenf. 2, Abt. 6: 142. 1889.

The West Indies, Mexico, Guatemala and South America.

EPIDENDRUM DILOCHIOIDES L. Wms. in Bot. Mus. Leafl. Harv. Univ. 8: 106. 1940.

Honduras.

EPIDENDRUM DOLABRILOBUM A. & S., Sched. Orch. 8: 43. 1925.

Costa Rica.

EPIDENDRUM DUNNII Hawkes in Orch. Journ. 1: 39, t. 1951.

Panama.

EPIDENDRUM EBURNEUM Reichb. f. in Gard. Chron. 404. 1867; Hook. f. in Bot. Mag. 93: t. 5643. 1867.

Epidendrum leucocardium Schltr. in Fedde Rep. 12: 206. 1913.

Nicaragua and Panama.

EPIDENDRUM EDWARDSII Ames in Bot. Mus. Leafl. Harv. Univ. 1, N° 2: 1. 1932 and 1, N° 5: 6, t. 1933.

Honduras.

EPIDENDRUM ELEGANS (Knowles & Westc.) Reichb. f. in Walp. Ann. 6: 374. 1862.

Barkeria elegans Knowles & Westc., Floral Cab. 2: 7, t. 49. 1838.

Mexico and possibly Guatemala.

EPIDENDRUM ELLIPSOPHYLLUM L. Wms. in Ann. Mo. Bot. Gard. 28: 419, t. 22. 1941.

Panama.

EPIDENDRUM ENDRESII Reichb. f. in Gard. Chron. n. s. 19: 432. 1883; Hook. f. in Bot. Mag. 123: t. 7855. 1902.

Epidendrum Adolphi Schltr. in Fedde Rep. 3: 108. 1906.

An attractive species of the highland forests. It has been reported from Panama in error.

Costa Rica.

EPIDENDRUM EQUITANTIFOLIUM Ames, Sched. Orch. 4: 39. 1923.

Epidendrum equitans Lindl. in Bot. Reg. 24: Misc. p. 44. 1838, non Forst. f. nec R. & P.

Mexico, British Honduras, Honduras and Nicaragua.

EPIDENDRUM EQUITANTIFOLIUM var. APOROPHYLLUM L. Wms. in Bot. Mus. Leafl. Harv. Univ. 8: 152. 1940.

Costa Rica.

EPIDENDRUM ESTRELLENSE Ames, Sched. Orch. 4: 39. 1923.

Costa Rica.

EPIDENDRUM EUSTIRUM AHS. in Bot. Mus. Leafl. Harv. Univ. 2: 70. 1935.

Mexico and Guatemala.

EPIDENDRUM EXASPERATUM Reichb. f., Beitr. Orch. Cent. Am. 87. 1866.

Epidendrum chondranthum Kränzl. in Vierteljahrsschr. Naturf. Gesell. Zürich 74: 136. 1929.

Costa Rica and Panama.

EPIDENDRUM EXIGUUM A. & S., Sched. Orch. 10: 63. 1930.

Costa Rica.

EPIDENDRUM EXILE Ames, Sched. Orch. 4: 40. 1923.

Epidendrum oxyglossum Schltr. in Fedde Rep. Beih. 19: 40. 1923.

Costa Rica.

EPIDENDRUM FLEXUOSISSIMUM C. Schweinf. in Bot. Mus. Leafl. Harv. Univ. 14: 55, t. 14. 1949.

Panama.

EPIDENDRUM FRAGRANS Sw., Prodr. Veg. Ind. Occ. 123. 1788.

Epidendrum fragrans var. *pachypus* Schltr. in Fedde Rep. Beih. 17: 32. 1922.

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

EPIDENDRUM FUNDI Ames, Sched. Orch. 9: 50. 1925.
Costa Rica.

EPIDENDRUM GUANACASTENSE A. & S., Sched. Orch. 10: 64. 1930.
Costa Rica.

EPIDENDRUM HUNTERIANUM Schltr. in Fedde Rep. Beih. 17: 33. 1922.
Panama.

EPIDENDRUM IBAGUENSE HBK., Nov. Gen. & Sp. Pl. 1: 352. 1816.

Epidendrum radicans Pavón ex Lindl., Gen & Sp. Orch. Pl. 104. 1831.

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

Epidendrum pratense Reichb. f., Beitr. Orch. Cent. Am. 84. 1866.

Epidendrum radicans var. *chiriquense* Schltr. in Fedde Rep. Beih. 17: 39. 1922.

The species is exceedingly abundant in parts of Central and South America. It is most often terrestrial but is occasionally epiphytic or even semiaquatic. It grows easily in cultivation.

Mexico, Central America, Panama and widely distributed in South America.

EPIDENDRUM IMATOPHYLLUM Lindl., Gen & Sp. Pl. 106. 1831.

Epidendrum lorifolium Schltr. in Fedde Rep. Beih. 17: 35. 1922.

The roots of this plant are often inhabited by stinging ants.

Mexico, British Honduras, Central America and South America.

EPIDENDRUM INCOMPTOIDES AHS. in Bot. Mus. Leaflet. Harv. Univ. 3: 71. 1935.

Mexico and Costa Rica.

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

Mexico, Guatemala, Costa Rica and Panama.

EPIDENDRUM INSULANUM Schltr. in Beih. Bot. Centralbl. 36, Abt. 2: 404. 1918.

Costa Rica (Cocos Island).

EPIDENDRUM INCOMPTUM Reichb. f. in Bot. Zeit. 10: 65. 1930.

Costa Rica.

EPIDENDRUM IONOPHLEBIUM Reichb. f., Beitr. Orch. Cent. Am. 103. 1866.

Epidendrum pachycarpum Schltr. in Fedde Rep. 3: 109. 1906.

Epidendrum Hoffmannii Schltr., l. c. 16: 444. 1920.

Mexico, British Honduras, Central America and South America.

EPIDENDRUM ISOMERUM Schltr. in Fedde Rep. 2: 132. 1906.

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

EPIDENDRUM LACERTINUM Lindl. in Bot. Reg. 27: Misc. p. 53. 1841.

Epidendrum indusatum Kl. in Allg. Gartenz. 22: 177. 1854.

This species belongs to the section Encyclium and not Euepidendrum as Ames, Hubbard & Schweinfurth placed it.

Mexico and Guatemala.

EPIDENDRUM LANCILABIUM Schltr. in Fedde Rep. Beih.
19: 38. 1923.
Costa Rica.

EPIDENDRUM LANKESTERI Ames, Sched. Orch. 4: 45,
t. 3. 1923.

This species is closely allied to *E. panamense*.

Costa Rica.

EPIDENDRUM LATERALE Rolfe in Orch. Rev. 20: 280,
319. 1912 and 28: 160. 1920.
Costa Rica.

EPIDENDRUM LAUCHEANUM Rolfe in Kew Bull. 62.
1893.

Epidendrum dolichostachyum Schltr. in Fedde Rep. 3:
79. 1906.

Epidendrum Boucheanum Schltr., l. c. 12: 490. 1913,
in textu.

Epidendrum cristobalense Ames in Sched. Orch. 4: 38.
1923.

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

EPIDENDRUM LEDIFOLIUM Rich. & Gal. in Ann. Sci.
Nat. ser. 3, 3: 21. 1845.

Epidendrum propinquum Rich. & Gal., l. c.

Epidendrum lucidum Schltr. in Fedde Rep. 15: 206.
1918.

Mexico, Guatemala and Honduras.

EPIDENDRUM LIMBATUM Lindl. in Bot. Reg. 29: Misc.
p. 69. 1843.

Mexico, Guatemala and Honduras.

EPIDENDRUM LINDLEYANUM (Batem.) Reichb. f. in
Walp. Ann. 6: 375. 1862.

Barkeria Lindleyana Batem. ex Lindl. in Bot. Reg. 28:
Misc. p. 2. 1842.

Barkeria spectabilis Batem. ex Lindl., 1. c. Misc. p. 49.

Epidendrum spectabile Reichb. f., 1. c., non Focke.

Barkeria Lindleyana var. *Centerae* Reichb. f. in Gard. Chron. 1597. 1873.

Epidendrum Lindleyanum var. *Centerae* Veitch, Man. Orch. Pl. part. 6: 105. 1890.

One of the finest of the Epidendrums. Variable in size and shape of the flower parts.

Mexico, Guatemala, Honduras and Costa Rica.

EPIDENDRUM LIVIDUM Lindl. in Bot. Reg. 24: Misc. p. 51. 1838.

Epidendrum Henrici Schltr. in Fedde Rep. 3: 108. 1906.

It is quite possible that this name should include *Epidendrum condylochilum* Lehm. & Kränzl.

Costa Rica, Panama and South America.

EPIDENDRUM LOCKHARTIODES Schltr. in Fedde Rep. Beih. 19: 39. 1923.

Costa Rica and Panama.

EPIDENDRUM LUTEOROSEUM Rich. & Gal. in Ann. Sci. Nat. sér. 3, 3: 19. 1845.

Mexico, Guatemala, El Salvador and Honduras.

EPIDENDRUM MICROCARDIUM Schltr. in Fedde Rep. Beih. 19: 39. 1923.

Costa Rica.

EPIDENDRUM MICROCHARIS Reichb. f. in Gard. Chron. 1246. 1870; Xenia Orch. 3: t. 208. 1878.

Reported as Guatemalan from a horticultural specimen.

EPIDENDRUM MICRODENDRON Reichb. f., Beitr. Orch. Cent. Am. 84. 1866.

Costa Rica and Panama.

EPIDENDRUM MIRABILE A. & S., Sched. Orch. 10: 67.
1930.

Costa Rica.

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

Epidendrum poaeforme Schltr. in Fedde Rep. Beih.
19: 43. 1923.

The West Indies and Costa Rica.

EPIDENDRUM MOYOBAMBAE Kränzl. in Fedde Rep. 1:
185. 1905.

Epidendrum subpatens Schltr. in Fedde Rep. Beih. 22:
40. 1922.

Epidendrum benignum Ames, Sched. Orch. 2: 26.
1923.

Guatemala?, Costa Rica and South America.

EPIDENDRUM NERVOSIFLORUM A. & S., Sched. Orch.
8: 47. 1925.

Costa Rica.

EPIDENDRUM NEUROSUM Ames, Sched. Orch. 1: 17.
1922.

Guatemala, Honduras and Costa Rica.

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

Epidendrum Johannis Schltr. in Fedde Rep. 16: 444.
1920.

Mexico, Guatemala and Costa Rica.

EPIDENDRUM NOCTURNUM Jacq., Enum. Pl. Carib. 29.
1760 and Sel. Stirp. Am. 225, t. 139. 1763.

Nyctosma nocturna Raf., Fl. Tellur. 2: 9. 1837.

Auliza nocturna Small, Fl. Miami 56. 1913.

Epidendrum nocturnum var. *panamense* Schltr. in
Fedde Rep. Beih. 17: 36. 1922.

Amphiglottis nocturna Brit. in Brit. & Wilson, Bot. Porto Rico & Virgin Is. 1: 200. 1924.

Epidendrum nocturnum is variable in size of plants and of the flowers. In the highlands of Honduras there is a variation that appears to be quite distinct but may fit into the overall variation of this wide-spread species.

Florida, West Indies, Mexico, Central America, Panama, South America and possibly introduced into Africa.

EPIDENDRUM NOTABILE Schltr. in Fedde Rep. Beih. 19: 121. 1923.
Costa Rica.

EPIDENDRUM NUTANTIRHACHIS A. & S., Sched. Orch. 10: 69. 1930.
Costa Rica.

EPIDENDRUM OBESUM Ames, Sched. Orch. 2: 31. 1923.
Nicaragua, Costa Rica, Panama and Ecuador.

EPIDENDRUM OBLIQUIFOLIUM AHS. in Bot. Mus. Leafl. Harv. Univ. 3: 73. 1935.
Costa Rica.

EPIDENDRUM OCHRACEUM Lindl. in Bot. Reg. 24: Misc. p. 14, t. 26. 1838.

Encyclia ochracea Lindl., l. c., Misc. p. 15, in textu.

Epidendrum panthera Reichb. f. in Bonpl. 4: 326. 1856.

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

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

EPIDENDRUM OCTOMERIOIDES Schltr. in Fedde Rep. 3: 248. 1907.
Honduras and Costa Rica.

EPIDENDRUM ONCIDIOIDES Lindl. in Bot. Reg. 19: t. 1623. 1833.

Epidendrum guatemalense Kl. in Allg. Gartenz. 20: 250. 1852.

Encyclia oncidioides Schltr., Orch. 210. 1914.

Encyclia granitica Schltr. in Fedde Rep. Beih. 6: 74. 1919.

The systematics of *E. oncidioides* and its varieties are complicated and not satisfactory.

Mexico, Guatemala, Honduras and South America.

EPIDENDRUM ONCIDIOIDES var. GRAVIDUM (Lindl.) AHS. in Bot. Mus. Leaflet. Harv. Univ. 3: 104. 1935.

Epidendrum gravidum Lindl. in Journ. Hort. Soc. London 4: 114. 1849.

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

Epidendrum alanjense Ames, Sched. Orch. 1: 13. 1922.

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

Epidendrum amandum Ames, 1. c. 4: 36. 1923.

Epidendrum peraltense Ames, 1. c. 46.

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

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

(To be continued.)