

TRICHOSALPINX, A NEW GENUS  
IN THE PLEUROTHALLIDINAE

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In the Pleurothallidinae three vegetatively similar genera are characterized by lepanthiform stems, i.e., secondary stems enclosed by a series of imbricating, ribbed, tubular sheaths dilated above to oblique ostia, and with the ribs and thickened margins of the ostia usually ciliate or scabrous. The three taxa may be differentiated from each other by the morphology of the column.

The column of *Lepanthes* Sw. is wingless and footless, with a dorsal, apical or subapical anther, and an apical or ventral stigma. The short, hooded column of *Lepanthopsis* (Cogn.) Ames is Platystele-like, with the anther apical and the stigma transversely bilobed. The column of *Pleurothallis* R. Br. Sect. *Lepanthiformes* (Lindl.) Cogn., proposed here as *Trichosalpinx*, is usually elongated, more or less winged, with an apical, subapical or ventral anther and stigma, and with a foot usually well-developed. The column could be called *Pleurothallis*-like sensu lato. The relationship of *Trichosalpinx* to *Pleurothallis* is analogous to the relationship of *Lepanthopsis* to *Platystele* Schltr. If *Lepanthopsis* is to be maintained, this taxon should be elevated to the rank of genus.

*Trichosalpinx* Luer, gen. nov.

*Pleurothallis* sect. *Brachystachyae* Lindl. Subsect. *Lepanthiformes* Lindl., Folia Orchid. Pleuroth. 25, 1859, in part.

*Pleurothallis* sect. *Elongatae* Lindl. Subsect. *Lepanthiformes* Lindl., Folia Orchid. Pleuroth. 26, 1859, in part.

*Pleurothallis* sect. *Acuminatae* Lindl. Subsect. *Lepanthiformes* Lindl., Folia Orchid. Pleuroth. 32, 1859, in part.

*Pleurothallis* sect. *Caulescentes* Lindl., Folia Orchid. Pleuroth. 44, 1859, in part.

*Lepanthes* sect. *Longicaulae* Barb. Rodr., Gen. Spec. Orch. 2: 40, 1882, in part.

*Lepanthes* sect. *Phyllocaulae* Barb. Rodr., Gen. Spec. Orch. 2:41, 1882, in part.

*Lepanthes* sensu Barb. Rodr., Vellozia 1, ed. 2: 120, 1891, in part.

*Pleurothallis* sect. *Lepanthiformes* (Lindl.) Cogn., Fl. Bras. 3(4): 591, 1896, in part.

*Pleurothallis* sect. *Bipaleolatae* Pabst, Orchid. Brasiliensis 162, 1975.

Herbae epiphyticae parvae vel grandes caulibus secundariis unifoliatis interdum superpositis. Vaginae caulinae imbricatae costatae tubulosae superne dilatatae cum ostio obliquo marginato, margine costisque plerumque breviter ciliatis scabrosive. Inflorescentia uniflora racemosave. Petala integra fimbriatave. Labellum integrum vel trilobatum interdum fimbriatum. Columna elongata saepe alata, margine clinandrii brevi vel cucullato, pede columnae brevi elongatove, anthera stigmataque apicalibus subapicalibus vel ventralibus polliniis duobus.

Plants small to large, caespitose to scandent with prolific secondary stems. Sheaths of the secondary stems lepanthiform. Inflorescence usually racemose, rarely 1-flowered. Lateral sepals free or connate. Petals entire to fimbriate. Lip entire to 3-lobed, often fimbriate. Column usually elongated and winged, the foot usually well-developed, the anther apical to ventral, the stigma subapical to ventral. Pollinia 2.

**Etymology:** From the Greek *tricha* (τριχα), "a hair," and *salpinx* (σαλπιγξ), "a trumpet," in reference to the ciliated ribs and margins of the trumpet-like sheaths of the secondary stems.

**TYPE:** *Specklinia ciliaris* Lindl.

This somewhat diverse group of about 90 species is widely distributed from sea level to altitudes over 3000 meters, from southern Mexico to southern Brazil. Some species seem allied to *Pleurothallis*, others, to *Lepanthopsis*. The lips of some species are amazingly similar to the lips of some species of *Pleurothallis* sect. *Specklinia*, e.g. *P. barbulate* Lindl. and *T. ciliaris*, but vegetatively these two species are totally different. It would be interesting to discover if a common pollinator could account for this apparent example of convergent evolution.

The following new combinations become necessary.

**Trichosalpinx acremona** (Luer) Luer, comb. nov.

*Pleurothallis acremona* Luer, Selbyana 5: 157, 1979.

**Trichosalpinx acunae** Luer, nom. nov.

*Pleurothallis obliquipetala* Acuna & Schweinf., Bot. Mus. Leaflet 6: 3, 1938.

**Trichosalpinx aequatorialis** (Luer) Luer, comb. nov.

*Pleurothallis aequatorialis* Luer, Selbyana 5: 158, 1979.

**Trichosalpinx alabastra** (Luer & Escobar) Luer, comb. nov.

*Pleurothallis alabastra* Luer & Escobar, Orquideologia 16: 17, 1983.

**Trichosalpinx apoda** (Garay & Dunsterv.) Luer, comb. nov.

*Pleurothallis apoda* Garay & Dunsterv., Venez. Orchids Ill. 3: 246, 1965

*Lepanthopsis apoda* (Garay & Dunsterv.) Luer, Selbyana 7: 100, 1982.

**Trichosalpinx arbuscula** (Lindl.) Luer, comb. nov.

*Pleurothallis arbuscula* Lindl., Edward's Bot. Reg. 28: misc. 72, 1842.

*Humboldtia arbuscula* (Lindl.) Kuntze, Rev. Gen. Pl. 2: 667, 1891.

**Trichosalpinx arbusculoides** (Hashimoto) Luer, comb. nov.

*Pleurothallis arbusculoides* Hashimoto, Bull. Natl. Sci. Mus. 4: 9, 1978.

**Trichosalpinx bacillaris** (Pabst) Luer, comb. nov.

*Pleurothallis bacillaris* Pabst, Arch. Jard. Bot. Rio de Janeiro 14: 7, 1956.

**Trichosalpinx berlineri** (Luer) Luer, comb. nov.

*Pleurothallis berlineri* Luer, Selbyana 3: 60, 1976.

**Trichosalpinx bicolor** (Barb. Rodr.) Luer, comb. nov.

*Lepanthes bicolor* Barb. Rodr., Rev. de Engenh. 3: 110, 1881 and Gen. Spec. Orch. Nov. 2: 49, 1882.

**Trichosalpinx blaisdellii** (S. Wats.) Luer, comb. nov.

*Pleurothallis blaisdellii* S. Wats., Proc. Amer. Acad. Arts 23: 284, 1888.

*Pleurothallis peraltensis* Ames, Sched. Orchid. 6: 65, 1923.

*Pleurothallis standleyi* Ames, Sched. Orchid. 9: 37, 1925.

**Trichosalpinx bradei** (Schltr.) Luer, comb. nov.

*Pleurothallis bradei* Schltr., Anexos Mem. Inst. Butantan, Secc. Bot. 1(4): 41, 1922.

**Trichosalpinx brevispicata** (C. Schweinf.) Luer, comb. nov.

*Pleurothallis brevispicata* C. Schweinf., Bot. Mus. Leaflet 10: 173, 1942.

**Trichosalpinx carinifera** (Barb. Rodr.) Luer, comb. nov.

*Lepanthes carinifera* Barb. Rodr., Rev. de Engenh. 3: 110, 1881 and Gen. Spec. Orch. Nov. 2: 69, 1882.

*Pleurothallis carinifera* (Barb. Rodr.) Cogn. Fl. Bras. 3(4): 584, 1896.

**Trichosalpinx carinilabia** (Luer) Luer, comb. nov.

*Pleurothallis broadwayi* var. *tricarinata* C. Schweinf., Bot. Mus. Leaflet 8: 42, 1940.

*Pleurothallis carinilabia* Luer, Selbyana 3: 256, 1977.

**Trichosalpinx castellensis** (Brade) Luer, comb. nov.

*Pleurothallis castellensis* Brade, Arch. Jard. Bot. Rio de Janeiro 9:9, 1949.

**Trichosalpinx cedralensis** (Ames) Luer, comb. nov.

*Pleurothallis cedralensis* Ames, Sched. Orchid. 4: 18, May 1923.

*Pleurothallis myrtillus* Schltr., Repert. Spec. Nov. Regni Veg. Beih. 19: 108, Nov. 1923.

**Trichosalpinx chaetoglossa** (Luer) Luer, comb. nov.

*Pleurothallis chaetoglossa* Luer, Selbyana 3: 262, 1977.

- Trichosalpinx chamaelepanthes* (Rchb. f.) Luer, comb. nov.  
*Pleurothallis chamaelepanthes* Rchb. f., Bonplandia 3: 240, 1855.  
*Humboldtia chamaelepanthes* (Rchb. f.) Kuntze, Rev. Gen. Pl. 2: 667, 1891.
- Trichosalpinx ciliaris* (Lindl.) Luer, comb. nov.  
*Specklinia ciliaris* Lindl., Edward's Bot. Reg. 24: misc. 31, April 1838.  
*Pleurothallis villosa* Knowl. & Westc., Floral Cab. 2: 78, July 1838.  
*Pleurothallis lepanthiformis* Rchb. f., Linnaea 18: 398, 1844.  
*Humboldtia lepanthiformis* (Rchb. f.) Kuntze, Rev. Gen. Pl. 2: 668, 1891.  
*Humboldtia villosa* (Knowl. & Westc.) Kuntze, Rev. Gen. Pl. 2: 668, 1891.  
*Pleurothallis purpusii* Schltr., Orchis 9: 49, 1915.  
*Pleurothallis brevis* Schltr., Repert. Spec. Nov. Regni Veg. Beih. 19: 183, 1923.  
*Pleurothallis gnomonifera* Ames, Sched. Orchid. 6: 61, 1923.  
*Pleurothallis ciliaris* (Lindl.) L. O. Wms., Caldasia 5: 14, 1942.
- Trichosalpinx costata* (Luer and Vásquez) Luer, comb. nov.  
*Pleurothallis costata* Luer & Vásquez, Phytologia 46: 364, 1980.
- Trichosalpinx crucilabia* (Ames & Correll) Luer, comb. nov.  
*Pleurothallis crucilabia* Ames & Correll, Bot. Mus. Leaflet 10: 76, 1942.
- Trichosalpinx cryptantha* (Barb. Rodr.) Luer, comb. nov.  
*Lepanthes cryptantha* Barb. Rodr., Vellosia 1(ed. 2): 120, 1891.  
*Pleurothallis cryptantha* (Barb. Rodr.) Cogn., Fl. Bras. 3(4): 587, 1896, not Barb. Rodr. 1877, nor Cogn. 1912.
- Trichosalpinx curti-bradei* (Pabst) Luer, comb. nov.  
*Pleurothallis microcharis* Schltr. ex Hoehne, Bol. Mus. Nac. Rio de Janeiro 12(2): 22, 1936, not Schltr. 1921.  
*Pleurothallis curti-bradei* Pabst, Arch. Jard. Bot. Rio de Janeiro 14: 10, 1956.
- Trichosalpinx dependens* (Luer) Luer, comb. nov.  
*Pleurothallis dependens* Luer, Selbyana 3: 94, 1976.
- Trichosalpinx dinotheri* (Rchb. f.) Luer, comb. nov.  
*Pleurothallis dinotheri* Rchb. f. & Warsc., Bonplandia 2: 114, 1854.  
*Pleurothallis diptera* Lindl., Folia Orchid. Pleuroth. 14, 1859.  
*Humboldtia dinotheri* (Rchb. f. & Warsc.) Kuntze, Rev. Gen. Pl. 2: 667, 1891.  
*Humboldtia diptera* (Lindl.) Kuntze, Rev. Gen. Pl. 2: 667, 1891.  
*Pleurothallis tricaudata* Schltr., Repert. Spec. Nov. Regni Veg. Beih. 9: 77, 1921.
- Trichosalpinx dirhamphis* (Luer) Luer, comb. nov.  
*Pleurothallis dirhamphis* Luer, Selbyana 3: 292, 1977.
- Trichosalpinx dura* (Lindl.) Luer, comb. nov.  
*Pleurothallis dura* Lindl., Folia Orch. Pleuroth. 32, 1859.  
*Humboldtia dura* (Lindl.) Kuntze, Rev. Gen. Pl. 2: 667, 1891.  
*Pleurothallis corazonica* Lehm. & Krzl., Bot. Jahrb. Syst. 26: 443, 1899.  
*Pleurothallis amygdalodora* Krzl., Bot. Jahrb. Syst. 37: 521, 1906.  
*Pleurothallis lepanthopsis* Schltr., Repert. Spec. Nov. Regni Veg. 14: 386, 1916.  
*Pleurothallis lepanthoides* Schltr., Repert. Spec. Nov. Regni Veg. Beih. 7: 106, 1920.  
*Pleurothallis williamsii* Ames, Orchid. 7: 120, 1922.
- Trichosalpinx egleri* (Pabst) Luer, comb. nov.  
*Pleurothallis egleri* Pabst, Ann. XIV Congr. Soc. Bot. Bras. 14, 1964.
- Trichosalpinx falcipetala* (Schltr.) Luer, comb. nov.  
*Pleurothallis falcipetala* Schltr., Repert. Spec. Nov. Regni Veg. Beih. 27: 163, 1924.
- Trichosalpinx flexibilis* (Luer & Vásquez) Luer, comb. nov.  
*Pleurothallis flexibilis* Luer & Vásquez, Phytologia 49: 205, 1981.
- Trichosalpinx foliata* (Griseb.) Luer, comb. nov.  
*Pleurothallis foliata* Griseb., Fl. Brit. W. Ind. 610, 1864.  
*Humboldtia foliata* (Griseb.) Kuntze, Rev. Gen. Pl. 2: 667, 1891.  
*Pleurothallis broadwayi* Ames, Orchid. 2: 267, 1908.  
*Pleurothallis guadalupensis* Cogn., Symb. Antill. 6: 432, 1909.  
*Pleurothallis anomala* Hoehne, Arch. Inst. Biol. (Sao Paulo) 2: 43, 1929.  
*Pleurothallis broadwayi* ssp. *anomala* (Hoehne) Garay, Arch. Bot. Rio de Janeiro 11: 53, 1951.
- Trichosalpinx hypocrita* (Garay & Dunsterv.) Luer, comb. nov.  
*Pleurothallis hypocrita* Garay & Dunsterv., Venez. Orchid. Ill. 6: 344, 1976.
- Trichosalpinx inaequisepala* (C. Schweinf.) Luer, comb. nov.  
*Pleurothallis inaequisepala* C. Schweinf., Bot. Mus. Leaflet 10: 180, 1942.
- Trichosalpinx inquisiviensis* (Luer & Vásquez) Luer, comb. nov.  
*Pleurothallis inquisiviensis* Luer & Vásquez, Phytologia 49: 208, 1981,

- Trichosalpinx intricata** (Lindl.) Luer, comb. nov.  
*Pleurothallis intricata* Lindl., Orchid. Linden. 1, 1846.  
*Humboldtia intricata* (Lindl.) Kuntze, Rev. Gen. Pl. 2: 667, 1891.
- Trichosalpinx lancifera** (Schltr.) Luer, comb. nov.  
*Pleurothallis lancifera* Schltr., Repert. Spec. Nov. Regni Veg. Beih. 23: 48, 1924.
- Trichosalpinx mastophora** (Luer & Vásquez) Luer, comb. nov.  
*Pleurothallis mastophora* Luer & Vásquez, Phytologia 49: 209, 1981.
- Trichosalpinx matinhensis** (Hoehne) Luer, comb. nov.  
*Pleurothallis matinhensis* Hoehne, Arq. Bot. Estado Sao Paulo, n.s., forma major 1:13, 1938.
- Trichosalpinx membraniflora** (C. Schweinf.) Luer, comb. nov.  
*Pleurothallis membraniflora* C. Schweinf., Bot. Mus. Leaf. 5: 91, 1938.
- Trichosalpinx memor** (Rchb. f.) Luer, comb. nov.  
*Pleurothallis memor* Rchb. f., Bonplandia 4: 330, 1856.  
*Humboldtia memor* (Rchb. f.) Kuntze, Rev. Gen. Pl. 2: 667, 1891.
- Trichosalpinx microcharis** (Schltr.) Luer, comb. nov.  
*Pleurothallis microcharis* Schltr., Repert. Spec. Nov. Regni Veg. Beih. 8: 61, 1921, not Schltr. ex Hoehne 1936.
- Trichosalpinx minutipetala** (Ames & Schweinf.) Luer, comb. nov.  
*Pleurothallis minutipetala* Ames & Schweinf., Sched. Orchid. 10: 32, 1930.
- Trichosalpinx montana** (Barb. Rodr.) Luer, comb. nov.  
*Lepanthes montana* Barb. Rodr., Gen. Sp. Orchid. Nov. 1: 22, 1877.  
*Pleurothallis collina* Cogn., Fl. Bras. 3(4): 582, 1896.
- Trichosalpinx moschata** (Rchb. f.) Luer, comb. nov.  
*Pleurothallis moschata* Rchb. f., Xenia Orchid. 3: 42, t. 217, 1881.  
*Humboldtia moschata* (Rchb. f.) Kuntze, Rev. Gen. Pl. 2: 668, 1891.
- Trichosalpinx mouraeoides** (Hoehne) Luer, comb. nov.  
*Pleurothallis versicolor* Hoehne, Bol. Agric. (Sao Paulo) 34: 606, 1934, not Porsch 1905.  
*Pleurothallis mouraeoides* Hoehne, Arq. Bot. Estado Sao Paulo, n.s., forma major, 1: 13, 1938.
- Trichosalpinx multicuspidata** (Rchb. f.) Luer, comb. nov.  
*Pleurothallis multicuspidata* Rchb. f., Linnaea 41: 117, 1877.
- Trichosalpinx nana** (Ames & Schweinf.) Luer, comb. nov.  
*Pleurothallis nana* Ames & Schweinf., Sched. Orchid. 8: 29, 1925.
- Trichosalpinx notosibirica** (Hashimoto) Luer, comb. nov.  
*Pleurothallis notosibirica* Hashimoto, Bull. Natl. Sci. Mus. 4: 11, 1978.
- Trichosalpinx nymphalis** (Luer) Luer, comb. nov.  
*Pleurothallis nymphalis* Luer, Phytologia 49: 212, 1981.
- Trichosalpinx obliquipetala** (Ames & Schweinf.) Luer, comb. nov.  
*Physosiphon obliquipetala* Ames & Schweinf., Sched. Orchid. 8: 12, t. 22, 1925, not  
*Pleurothallis obliquipetala* Acuña & Schweinf. 1938.  
*Stelis obliquipetala* (Ames & Schweinf.) L. O. Wms., Ceiba 5: 54, 1956.  
*Pleurothallis connata* Luer, Selbyana 5: 388, 1981.
- Trichosalpinx operculata** Luer, comb. nov.  
*Pleurothallis operculata* Luer, Phytologia 49: 213, 1981.
- Trichosalpinx orbicularis** (Lindl.) Luer, comb. nov.  
*Specklinia orbicularis* Lindl., Edward's Bot. Reg. 24: misc. 31, 1838.  
*Pleurothallis orbicularis* (Lindl.) Lindl., Edward's Bot. Reg. 28: misc. 79, 1842.  
*Pleurothallis biflora* Focke, Tijdschr. Wis-Natuurk. Wetensch. 2: 197, 1949, not Schltr. 1923.  
*Humboldtia biflora* (Focke) Kuntze, Rev. Gen. Pl. 2: 667, 1891.  
*Humboldtia orbicularis* (Lindl.) Kuntze, Rev. Gen. Pl. 2: 668, 1891.  
*Pleurothallis trachytheca* Lehm. & Krzl., Bot. Jahrb. Syst. 26: 444, 1899.  
*Pleurothallis rotundata* C. Schweinf., Bot. Mus. Leaf. 4: 115, 1937.
- Trichosalpinx otarion** (Luer) Luer, comb. nov.  
*Pleurothallis otarion* Luer, Selbyana 7: 120, 1982.
- Trichosalpinx pergrata** (Ames) Luer, comb. nov.  
*Pleurothallis pergrata* Ames, Sched. Orchid. 4: 24, 1923.
- Trichosalpinx podoglossa** (Hoehne) Luer, comb. nov.  
*Pleurothallis podoglossa* Hoehne, Arq. Bot. Estado Sao Paulo, n.s. forma major, 1: 12, 1938.
- Trichosalpinx pringlei** (Schltr.) Luer, comb. nov.  
*Pleurothallis pringlei* Schltr., Repert. Spec. Nov. Regni Veg. 3: 20, 1906.

- Trichosalpinx pterophora* (Cogn.) Luer, comb. nov.  
*Pleurothallis pterophora* Cogn., Fl. Bras. 3(4): 583, 1896.  
*Pleurothallis pterophora* var. *minor* Cogn., Fl. Bras. 3(4): 583, 1896.
- Trichosalpinx pumila* (Luer) Luer, comb. nov.  
*Pleurothallis pumila* Luer, Selbyana 1: 268, 1975.
- Trichosalpinx punctatifolia* (Barb. Rodr.) Luer, comb. nov.  
*Pleurothallis punctata* Lindl., Edward's Bot. Reg. 21: sub. t. 1797, 1835, not Ker 1823, nor Barb. Rodr. 1877, nor (Karst.) Schltr. 1919.  
*Lepanthes punctatifolia* Barb. Rodr., Gen. Sp. Orchid. Nov. 2: 55, 1882.  
*Humboldtia punctata* (Lindl.) Kuntze, Rev. Gen. Pl. 2: 668, 1891.  
*Pleurothallis punctatifolia* (Barb. Rodr.) Pabst, Orquidea 28: 227, 1966.
- Trichosalpinx pusilla* (Kunth) Luer, comb. nov.  
*Dendrobium pusillum* Kunth, Gen. Spec. Pl. 1: 357, 1816.  
*Specklinia pusilla* (Kunth) Lindl., Edward's Bot. Reg. 21: sub t. 1797, 1836.  
*Humboldtia pusilla* (Kunth) Kuntze, Rev. Gen. Pl. 2: 668, 1891.  
*Pleurothallis pusilla* (Kunth) Lindl., Edward's Bot. Reg. 28: misc. 82, 1842.  
*Pleurothallis lenticularis* Luer, Selbyana 3: 132, 1976.
- Trichosalpinx pyxos* (Luer & Escobar) Luer, comb. nov.  
*Pleurothallis pyxos* Luer & Escobar, Orquideologia 14: 168, 1981.
- Trichosalpinx quadridentata* (Barb. Rodr.) Luer, comb. nov.  
*Lepanthes quadridentata* Barb. Rodr., Gen. Sp. Orchid. Nov. 2: 50, 1882.  
*Pleurothallis quadridentata* (Barb. Rodr.) Cogn., Fl. Bras. 3(4): 454, 1896.  
*Pleurothallis mouraei* Cogn., Fl. Bras. 3(4): 580, 1896.  
*Pleurothallis mouraei* var. *brevifolia* Cogn., Fl. Bras. 3(4): 581, 1896.
- Trichosalpinx quartzicola* (Barb. Rodr.) Luer, comb. nov.  
*Lepanthes quartzicola* Barb. Rodr., Vellosia 1, ed. 2: 119, 1891.  
*Pleurothallis quartzicola* (Barb. Rodr.) Cogn., Fl. Bras. 3(4): 581, 1896.  
*Pleurothallis lepanthipoda* Hoehne & Schltr., Album Secc. Bot. Mus. Paulista, San Paulo 135, 1925, nomen; Arch. Bot. Sao Paulo 1: 218, 1926.
- Trichosalpinx quitensis* (Rchb. f.) Luer, comb. nov.  
*Pleurothallis quitensis* Rchb. f., Bonplandia 3: 240, 1855.  
*Humboldtia quitensis* (Rchb. f.) Kuntze, Rev. Gen. Pl. 2: 668, 1891.
- Trichosalpinx robledorum* (Luer & Escobar) Luer, comb. nov.  
*Pleurothallis robledorum* Luer & Escobar, Orquideologia 14: 170, 1981.
- Trichosalpinx roraimensis* (Rolfe) Luer, comb. nov.  
*Pleurothallis roraimensis* Rolfe, Trans. Linn. Soc. London, Bot. ser. 2, 6: 58, 1901.
- Trichosalpinx ruschii* (Hoehne) Luer, comb. nov.  
*Pleurothallis ruschii* Hoehne, Arq. Bot. Estado Sao Paulo, s.n. forma major 1: 44, 1939.
- Trichosalpinx scabridula* (Rolfe) Luer, comb. nov.  
*Pleurothallis scabridula* Rolfe, Mem. Torrey Bot. Club 4: 260, 1895.
- Trichosalpinx semilunata* (Luer) Luer, comb. nov.  
*Pleurothallis semilunata* Luer, Selbyana 3: 184, 1976.
- Trichosalpinx sordida* (Krzl.) Luer, comb. nov.  
*Pleurothallis sordida* Krzl., Ark. Bot. 16: 8, 1920.  
*Pleurothallis pauloensis* Hoehne & Schltr., Arch. Bot. Sao Paulo 1: 219, t. 15, fig. 3, 1927.
- Trichosalpinx stictophylla* (Schltr.) Luer, comb. nov.  
*Pleurothallis stictophylla* Schltr., Repert. Spec. Nov. Regni Veg. 23: 43, 1926; descr. emend., Bol. Agric. Sao Paulo 34: 608, 1934.
- Trichosalpinx systemmata* (Luer) Luer, comb. nov.  
*Pleurothallis systemmata* Luer, Phytologia 49: 219, 1981.
- Trichosalpinx tenera* (Barb. Rodr.) Luer, comb. nov.  
*Lepanthes tenera* Barb. Rodr., Gen. Sp. Orchid. Nov. 2: 51, 1882.  
*Pleurothallis tenera* (Barb. Rodr.) Cogn., Fl. Bras. 3(4): 407, 1896.
- Trichosalpinx tenuiflora* (Schltr.) Luer, comb. nov.  
*Pleurothallis tenuiflora* Schltr., Repert. Spec. Nov. Regni Veg. 12: 488, 1913.
- Trichosalpinx tenuis* (C. Schweinf.) Luer, comb. nov.  
*Pleurothallis tenuis* C. Schweinf., Bot. Mus. Leaflet 10: 190, 1942.
- Trichosalpinx trachystoma* (Schltr.) Luer, comb. nov.  
*Pleurothallis trachystoma* Schltr., Repert. Spec. Nov. Regni Veg. Beih. 19: 196, 1923.
- Trichosalpinx triangulipetala* (Ames & Correll) Luer, comb. nov.  
*Pleurothallis triangulipetala* Ames & Correll, Bot. Mus. Leaflet 10: 77, 1942.

- Trichosalpinx trilobata** (Fawc. & Rendle) Luer, comb. nov.  
*Pleurothallis trilobata* Fawc. & Rendle, J. Bot. 47: 4, 1909.
- Trichosalpinx tropida** (Luer) Luer, comb. nov.  
*Pleurothallis tropida* Luer, Phytologia 49: 219, 1981.
- Trichosalpinx vagans** (Garay & Dunsterv.) Luer, comb. nov.  
*Pleurothallis vagans* Garay & Dunsterv., Venez. Orch. Ill. 6: 372, 1976.
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*Specklinia violacea* Lem., Jard. Fleur. 3: misc. 19, 1852.  
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