

NEW COMBINATIONS IN *TRIARISTELLA*
(ORCHIDACEAE)

Carlyle A. Luer*

The genus *Triaristella* consists of about ten species previously included in *Masdevallia* Ruiz & Pav. Although the name is contrary to Recommendation 20A(g) of the International Code of Botanical Nomenclature (a generic name should not be derived from a specific epithet of the genus), it is legitimate. Amplified Latin and English descriptions are herewith supplied.

Triaristella (Rchb. f.) Brieg., Die Orchideen 448. 1975.

Masdevallia sect. *Triaristellae* Rchb. f., Gard. Chron. 6:226. 1876.

Plantae parvae epiphyticae caespitosae, caulibus secundariis abbreviatis unifoliatis, foliis crassis anguste ellipticis vel linearibus, floribus solitariis successivis fasciculatis apice pedunculi elongati filiformis, sepalo dorsali parvo lato apice caudato base sepalorum lateralium connato, sepalis lateralibus grandioribus oblongis alte connatis caudatis, petalis membranaceis oblongis vel ovatis, labello ovato vel elliptico plus minusve bicalloso base sagittato vel profunde cordato, columna tereti pede angosto, polliniis duobus.

Plants small, epiphytic, caespitose; secondary stems abbreviated, unifoliate; leaves thick, narrowly elliptical to linear; flowers produced singly and successively in a subfasciculate raceme at the apex of an elongated, filiform peduncle; dorsal sepal small, broad, the apex caudate, connate basally to the lateral sepals; lateral sepals considerably larger, oblong, connate to near the apex, caudate; petals membranous, oblong to ovate; lip ovate to elliptical, more or less bicallous, the base sagittate or deeply cordate; column terete with a narrow foot; pollinia two.

TYPE: *Triaristella reichenbachii* Brieg. (*Masdevallia triaristella* Rchb. f.).

The species of *Triaristella* are distinguished from those of *Masdevallia* by the deeply connate lateral sepals only shallowly connate to a much smaller dorsal sepal, by the membranous petals, and by the sagittate base of the lip, the retrorse lobes projecting to either side of the column-foot.

In addition to the type transferred by Brieger, the following new combinations are necessary:

Triaristella didyma (Luer) Luer, comb. nov.

Masdevallia didyma Luer, Phytologia 39:195. 1978.

DISTRIBUTION: Ecuador.

Triaristella dressleri (Luer) Luer, comb. nov.

Masdevallia dressleri Luer, Selbyana 3:20. 1976.

DISTRIBUTION: Panama.

Triaristella gemmata (Rchb. f.) Luer, comb. nov.

Masdevallia gemmata Rchb. f., Gard. Chron. 19:294. 1883.

DISTRIBUTION: Colombia.

Triaristella huebneri (Schltr.) Luer, comb. nov.

Masdevallia huebneri Schltr., Beih. Bot. Centralbl. 62(2):88. 1925.

DISTRIBUTION: Brazil, Venezuela, Colombia, Ecuador, Peru, and Bolivia.

*The Marie Selby Botanical Gardens, 800 S. Palm Ave., Sarasota, Florida 33577 U.S.A.

Triaristella pantex (Luer) Luer, comb. nov.*Masdevallia pantex* Luer, Phytologia 39:218. 1978.

DISTRIBUTION: Ecuador.

Triaristella tenuissima (C. Schweinf.) Luer, comb. nov.*Masdevallia tenuissima* C. Schweinf., Bot. Mus. Leaflet 4:11. 1937.*Masdevallia butcheri* Luer, Selbyana 3:16. 1976.

DISTRIBUTION: Panama.

Triaristella reichenbachii Brieg., Die Orchideen 449. 1976.*Masdevallia triaristella* Rchb. f., Gard. Chron. 6:226. 1876.

DISTRIBUTION: Costa Rica, Panama, and Colombia.

Triaristella trichaete (Rchb. f.) Luer, comb. nov.*Masdevallia trichaete* Rchb. f., Gard. Chron. 19:360. 1883.*Masdevallia triseta* Rchb. f. ex Krzl., Repert. Spec. Nov. Regni Veg. Beih. 34:201. 1925.

DISTRIBUTION: Costa Rica.

Triaristella tridactylites (Rchb. f.) Luer, comb. nov.*Masdevallia tridactylites* Rchb. f., Gard. Chron. 18:784. 1883.*Masdevallia allenii* L. O. Wms., Ann. Missouri Bot. Gard. 27:273. 1940.

DISTRIBUTION: Costa Rica, Panama, Colombia, and Ecuador.

Triaristella triglochin (Rchb. f.) Luer, comb. nov.*Masdevallia triglochin* Rchb. f., Gard. Chron. 8:648. 1877.

DISTRIBUTION: Ecuador.

Triaristella vittata (Luer) Luer, comb. nov.*Masdevallia vittata* Luer, Phytologia 39:233. 1978.

DISTRIBUTION: Ecuador.