

THE REDUCTION OF *PLATYAECHMEA* UNDER *HOPLOPHYTUM*, AND A NEW NAME IN *TILLANDSIA* (BROMELIACEAE)

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ABSTRACT

The recently proposed genus *Platyaechmea* (Baker) L.B. Smith & W.J. Kress (1990) proves to be a superfluous name for *Hoplophytum* Beer (1854), and is therefore reduced to synonymy. *Tillandsia azuayensis* J.R. Grant is proposed as a new name to replace *Vriesea wuelfinghoffii* Rauh (1991), not *Tillandsia wuelfinghoffii* R. Ehlers (1990).

KEY WORDS: taxonomy, *Platyaechmea*, *Hoplophytum*, *Tillandsia*, *Aechmea*, Bromeliaceae

Platyaechmea vs. *Hoplophytum*

Smith & Kress (1989) attempted to elevate *Aechmea* subg. *Platyaechmea* Baker to the generic rank, but failed to include the citation of its basionym. Both *Platyaechmea* (Baker) Smith & Kress (1989) as well as the 28 combinations proposed were therefore invalid (Art. 32, Greuter *et al.* 1988). Smith & Kress (1990) corrected the error by providing the complete citation of the basionym, and proposed the same 28 combinations. However, they overlooked the predating generic name *Hoplophytum* Beer (1854). *Platyaechmea* (Baker) L.B. Smith & W.J. Kress (1990) is superfluous as it includes the type of *Hoplophytum*, *Aechmea distichantha* Lemaire.

Although there is no problem with *Hoplophytum* predating *Platyaechmea*, I am hesitant to propose new combinations in *Hoplophytum* for the names applied to *Platyaechmea* as I question whether the genus has merit. Even if it does warrant generic status, all the species placed in the group by Smith & Kress (1990) may not have been correctly positioned. Therefore, when the genera of the *Aechmea* complex are sorted out, the name *Hoplophytum* must be used instead of *Platyaechmea*.

Hoplophytum Beer, Flora 37:348. 1854. TYPE SPECIES: *Billbergia rhodocyaneà* Lemaire, Fl. Serres 3: pl. 207. 1847, [= *Billbergia fasciata* Lindley, Bot. Reg. 13: pl. 1130. 1828. *Hohenbergia fasciata* (Lindley) J.H. Schultes in Roemer & J.A. Schultes, Syst. 7(2):1253. 1830. *Aechmea fasciata* (Lindley) Baker, J. Bot. London 17:231. 1879. *Hoplophytum fasciatum* (Lindley) Beer, Bromel. 129. 1856. *Platyaechmea fasciata* (Lindley) L.B. Smith & W.J. Kress, Phytologia 69(4):273. 1990].

= *Disquamia* Lemaire, Jard. Fleur. 3: planche 269. 1853, *nom. nud. et pro syn.* In synonymy under *Aechmea distichantha* Lemaire, Jard. Fleur. 3: pl. 269. 1853.

= *Platyaechmea* (Baker) L.B. Smith & W.J. Kress, Phytologia 69(4):272. 1990, *syn. nov.* TYPE SPECIES: *Aechmea distichantha* Lemaire, Jard. Fleur. 3: pl. 269. 1853. *Platyaechmea distichantha* (Lemaire) L.B. Smith & W.J. Kress, Phytologia 69(4):272. 1990.

Tillandsia

When I previously transferred a number of species from *Vriesea* to *Tillandsia* (Grant 1993), I did not include *Vriesea wuelfinghoffii* Rauh because I was uncertain of its correct generic position. After additional studies, I have determined that it should be placed in *Tillandsia*.

Tillandsia azuayensis J.R. Grant, *nom. nov.* BASIONYM: *Vriesea wuelfinghoffii* Rauh, Abh. Akad. Wiss. Lit. Mainz, Math.-Naturwiss. Klasse, Trop. Subtrop. Pflanzenwelt 79:25. 1991, not *Tillandsia wuelfinghoffii* R. Ehlers, J. Bromeliad Soc. 40(5):201. 1990. TYPE: ECUADOR. Azuay: Steep cliffs near Cuenca, *Wuelfinghoff s.n.* (HOLOTYPE: HEID).

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