



Corrections to *Phytotaxa* 19: Linear sequence of lycophytes and ferns

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After the publication of our *A linear sequence of extant families and genera of lycophytes and ferns* (Christenhusz, Zhang & Schneider 2011), a couple of errors were brought to our attention:

***Platyzoma* placed in *Pteris* (Pteridaceae), and correcting erroneous combinations made in *Pteris* of *Gleichenia* species.**

In the *New Combinations* section on page 22, we attempted to provide new combinations for the genus *Platyzoma* R.Br., which is embedded in *Pteris* L. (Schuettpelz & Pryer 2007, Lehtonen 2011). When doing so, we made the unfortunate choice to follow the treatment of *Platyzoma* by Desvaux (1827), which included several additional species of *Gleichenia*, instead of the modern treatment of *Platyzoma* in which only the species *Platyzoma microphyllum* Brown (1810: 160) is included. Only that name needed to be transferred. This resulted in the creation of a number of unnecessary new names and combinations of Australasian *Gleichenia*, for which we apologise. We erroneously provided names in *Pteris* for *Gleichenia dicarpa* R.Br., *G. alpina* R.Br. and *G. rupestris* R.Br., which are all correctly placed in *Gleichenia* and not in *Pteris*. Therefore these new names are to be treated as synonyms. *Gleichenia speluncae* R.Br. and its combination in *Pteris* are synonyms of *G. rupestris*.

To complicate matters, the combination '*Pteris microphylla*' is already published earlier [by Cavanilles (in Swartz 1806: 324, *nomen*), by Cunningham (1836: 366), and by Colla (1836)] and is therefore not available for this taxon. We chose *Platyzoma recurvum* Desv. to make the combination for this taxon, an unfortunate choice, because that name is synonymous to *Gleichenia microphyllum* R.Br., not *Platyzoma microphyllum* R.Br.

Unfortunately type specimens of *Platyzoma ferruginea* and *P. latum* could not be located, but based on their descriptions they appear both to be synonymous to *Dicranopteris linearis* (Burm.f.) Underwood (1907: 250). Of this species several varieties are known to occur in Australia and it is likely that these two names apply to different varieties, although it may not be certain to which one, due to the absence of original material to verify.

Below we provide an overview of the taxa that we incorrectly applied, and we formally synonymise our superfluous new names in *Pteris* that are underlined for convenience.

Correct names:

Dicranopteris linearis (Burm.f.) Underw.

Synonyms: *Platyzoma ferruginea* Desvaux (1827: 199), *syn. nov.*, *Pteris platyferra* Christenh., *syn. nov.* *Platyzoma latum* Desvaux (1827: 199), *syn. nov.*, *Pteris platylata* Christenh., *syn. nov.*

Gleichenia alpina R.Br.

Synonyms: *Calymella alpina* (R.Br.) C.Presl, *Gleichenia dicarpa* var. *alpina* (R.Br.) Hook.f., *Mertensia alpina* (R.Br.) Poir., *Platyzoma alpinum* (R.Br.) Desv., *Pteris platyzoma* Christenh., *syn. nov.*