(1912) Proposal to conserve the name *Loxsoma* (*Loxsomataceae*) with that spelling

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Typus: *Loxsoma cunninghamii* R. Br. ex A. Cunn.

A survey of literature revealed that the generic name *Loxsoma* R. Br. ex A. Cunn. and the family name *Loxsomataceae* C. Presl, both with that corrected spelling, have been in use for several decades. Past efforts had been made to conserve the above names to bring stability to their nomenclature, but this process was never completed. Contrary to the earlier consistent and wide use of the above orthographies, Tryon & Tryon (Ferns Allied Pl.: 125. 1982) and Kramer (in Kubitzki, Fam. Gen. Vasc. Pl. 1: 172–173. 1990) reverted to the original spellings *Loxoma* and *Loxsomataceae* for the genus and family respectively, and their usage has been followed by some later workers, including Smith & al. (in Taxon 55: 705–731. 2006; in Ranker & Haufler, Biol. Evol. Ferns Lycophytes: 419–469. 2008).

The generic name was published as *Loxoma* by Cunningham (l.c.: 366, and t. xxxi & xxxii. – the former mis-numbered in the text as xxii) for an endemic fern genus of New Zealand. The following year Hooker (Gen. Filic.: t. 15. 1838) corrected the generic spelling to *Loxoma* citing Cunningham’s paper “where by an error it is printed *Loxoma*.” The reason for this correction might presumably be because Hooker had access to Robert Brown’s manuscript and possibly he was simply restoring what R. Brown actually wrote, but he did not state this.

Article 60.3 of the ICBN (McNeill & al. in Regnum Veg. 146. 2006) says that the liberty (granted by Art. 60.1) of correcting a name is limited, “especially if it affects the first syllable and, above all, the first letter of the name.” The implication is that if the first syllable is not affected, people are freer to make such corrections (Nicolson in Taxon 33: 122. 1984). Accordingly the Code would seem to allow *Loxoma* to be replaced by *Loxsoma* if this could be seen as a correction of a typographical/orthographical error. Under Art. 61.1, *Loxsoma* would then be the validly published form of the name, and under Art. 18.1 this spelling in turn forms the basis for the family *Loxsomataceae* C. Presl (Gefäßbündel Farrn: 31. 1847, "Loxsomataceae").

But can the original spelling *Loxoma* be taken as a typographical or orthographic error? The former does not seem possible, in view of the fact that this spelling was used consistently by Cunningham, three times in the text and on both plates. As pointed out in correspondence to Prof. John McNeill (pers. comm.) by some pteridologists, the name is derived from the Greek λοξός (lokos – oblique) and σώμα (soma – body), doubtless referring to the sporangia of the plant. A more etymologically correct orthography for this epithet, following Rec. 60.G.1, would have been “Loxosoma”, which does not match the correction of Hooker, making it more difficult to view his action as an allowable orthographic correction. In view of these considerations, the only sure way to resolve this issue is through a proposal under Art. 14.11 to conserve the name *Loxsoma* R. Br. ex A. Cunn. with its commonly used spelling and thereby also preserve, in light of Art. 18.1, the family spelling *Loxsomataceae* C. Presl.

A perusal of earlier activities of the Committee for Pteridophyta (summarized in Taxon 35: 686–691. 1986) indicates that at one time a list of family names of Pteridophyta was compiled by a Subcommittee headed by Pichi Sermolli for possible inclusion among the conserved family names in Appendix II of the ICBN (Stafleu & al. in Regnum Veg. 82. 1972). The resulting list, which had included this family as “Loxsomataceae”, its type listed as “Loxsoma” (see Taxon 30: 166, 1981), was later rejected for various reasons by the General Committee and ultimately the desire for a complete pteridophyte family list in Appendix II was abandoned by the pteridophyte Committee (see Taxon 35: 686–691. 1986). There has never been an attempt to conserve the generic spelling, presumably because most botanists believed that Hooker’s correction was permitted under the ICBN (Nicolson, l.c.).

A perusal of the publications by Pichi Sermolli clearly revealed his stand on the use of the names *Loxsoma* and *Loxsomataceae*. During the course of his bibliographical research as part of the preparation of the list, Pichi Sermolli (in Webbia 31: 313–312. 1977) accepted *Loxsoma* and *Loxsomataceae*. In 1981 (in Taxon 31: 166) and 1982 (in Webbia 35: 233) he adopted *Loxsomataceae* for *Loxsomataceae* arguing that linguistically it is more correct. Later (in Webbia 47: 136. 1993) he provided more detailed arguments on this same issue drawing identical conclusions to his position of 1982.

(1913) Proposal to conserve the name Cerinthe glabra (Boraginaceae) with a conserved type

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Mill., Gard. Dict., ed. 8: no. 2. 1768, nom. cons. prop. Type: Italy, Piedmont, Valle Gesso (prov. Cuneo), SS. Trinità di Entracque, margini di bosco umido nella valletta del Rio Prer, 1080 m, F. Selvi 06.25 (FI; isotypus: K), typ. cons. prop.

The name Cerinthe glabra Mill. was published in the 8th edition of the Miller’s Gardener’s Dictionary (Miller, i.e.) and has been used since Candolle’s Prodromus (Prodr. 10: 3. 1846) for a well-known alpine species distributed from the Pyrenees to the Caucasus, with a main range in the Alps and Carpathians. A broadly accepted heterotypic synonym is C. alpina Kit., that was described posthumously by Paul Kitaibel (in Schultes, Oesterr. Fl., ed. 2., 1: 353. 1814) based on material from the Hungarian Carpathians and corresponding to Kitaibel’s herbarium sheet no. 68 (at BP!; see also Kanitz in Linnaea 32: 639. 1863). By contrast, no original material of C. glabra seems to exist today so that this name can only be typified by Miller’s plate no. 91 (1760), which was prepared on the basis of annual plants and species, whether it affects only “a minuscule” or a large number of people the problem of instability and inconsistent use needs to be settled. If this proposal to conserve the orthography Loxsoma is approved and adopted, both this spelling and that of the family Loxsomataceae will remain universally consistent and correct in use. They will also remain consistent with that of the only other genus in the family, Loxsomopsis Christ.

This proposal touches on another issue that could be clarified. Gunn & al. (in U.S.D.A. Techn. Bull. 1796: 228. 1992) recognized Loxsoma Garay (in Bot. Mus. Leafl. 23: 183. 1972) as a validly published correct name for an orchid, specifying it as “not a later homonym”, indirectly indicating their belief in the absence of an earlier homonym. This was obviously because Loxsoma R. Br. ex A. Cunn. was then considered an orthographic variant of the correct Loxsoma and not deemed to exist as a validly published name under Art. 61. Consistent with the interpretation that the original spelling Loxsoma R. Br. ex A. Cunn. is not correctible under Art. 60, Loxsoma Garay is an illegitimate later homonym, and will remain so (Art. 64) even if our proposal to conserve the former name as Loxsoma is adopted.

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(1913) Conserve Cerinthe glabra

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