

*Dendrobium kietaense* Schltr. (49.24) :

ERROMANGO : Wutnimpol, langue Sie (*Cabalion* 2147).

ESPIRITU SANTO : Asturu-Habika (*Cabalion* 455).

*Robiquetia bertholdii* (Reichenb. f.) Schltr. (62.1) :

MALLICOLO : Natan-miopo, loc. Lenbong-bong (*Bourdy* 813).

b) INDEX DES NOMS VERNACULAIRES (\* Noms repris de LEWIS & CRIBB).

Asturu-Habika (49.24)

Bankelep (2.1)

Ekakalulu (2.1)

\*Evère (29.3)

Kariabilaen Talamala (2.1)

Karia Planata Lamala, langue Meri (2.1)

Kaultsineng (2.1)

\*Korwisyèl (49.10)

\*Kworriyziwèr (49.12)

Metan-Utnimpol (47.1)

Nalum-Earu (47.1)

Naovat Aowat (49.22)

Natan-miopo, loc. Lenbong-bong (62.1)

\*Natapak (27.3)

\*Nèré vudhvékar (2.1)

Notaivaia (49.4)

\*Orvum-nge-nompull (41.3)

Ous-medic-o, langue Piamatsina (49.8)

Pulpul-Nuu (43.2)

Ships-Hiptawüan (49.22)

Sipalil, langue Apma (46.1; 49.10)

Soak-bilanbat-kulkul (27.3)

\*Tuku (49.21; 49.28)

\*Tupaida (46.1)

Umai-Ogor (43.3)

Uruta-Vivich-Au (46.2)

Utai-Vaa (49.4)

\*Ute-melme-pohl (32.3)

Utnipol-Nimpol (49.3)

Walele-bi : mat (49.8)

Washispuku (30.2)

Wutgor (2.1)

Wutnimpol, langue Sie (49.24)

#### IV. DOUBLONS

Dans l'intérêt des utilisateurs de l'ouvrage de LEWIS & CRIBB, nous ne pouvons passer sous silence, outre d'assez nombreuses coquilles qui affectent des numéros d'herbiers, la présence de 33 doublons de détermination : il s'agit de mêmes numéros de récoltes cités sous plusieurs espèces ou genres différents (doublons congénériques ou hétérogénériques). Une excellente méthode informatique dont nous avons bénéficié, grâce à l'aide de M<sup>me</sup> H. FALAISE, Ingénieur de Recherche, nous a permis d'en dresser la liste exhaustive :

*Bernardi* 12980 (10.1 et 28.3)

*Bernardi* 13346 (37.1 et 52.8)

*Bourdy* 155 (49.25 et 49.26)

*Bourdy* 190 (43.2 et 55.1)

*Bourdy* 966 (40.5 et 41.3)

*Bregulla* 3 (49.9 et 52.6)

*Bregulla* 13 (35.1 et 36.1)

*Bregulla* 17 (49.18 et 49.20)

*Cabalion* 1530 (31.1 et 36.1)

*Cabalion* 2768 (35.1 et 36.1)

*Cabalion* 2889 (49.3 et 49.4)

*Cheesman RBGK* 5 (25.1 et 43.3)

*Cheesman* 12 (14.2 et 19.1)

*Green RSNH* 1160 (20.4 et 20.5)

*Green RSNH* 1295 (49.25 et 49.26)

*Green RSNH* 1357 (49.25 et 49.26)

*Hallé RSNH* 6376 (65.1 et 68.1)

*Hallé RSNH* 16380 (12.1 et 32.4)

- Im Thurn* 329 (49.26 et 49.27)      *Raynal RSNH* 16237 (49.3 et 49.5)  
*Im Thurn* 330 (49.26 et 49.27)      *Raynal* 16268 (43.3 et 43.6)  
*Im Thurn* 352 (55.1 et 62.1)      *Raynal RSNH* 16380 (32.3 et 32.4)  
*MacKee* 19, légendes fig. (32.4 et 52.10)      *Raynal RSNH* 16424 (12.1 et 14.2)  
*Morat* 6034 (32.1 et 32.6)      *Raynal RSNH* 16601 (49.13 et 49.14)  
*Morrison RBGK* 62 (20.2 et 21.1)      *Sam CSV* 76 (5.2 et 7.1b)  
*Morrison RBGK* 129 (20.2 et 20.3)      *Wheatley* 42 (40.1 et 46.1)  
*Raynal RSNH* 16226 (49.10 et 56.1)

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## Validation of five family names in the *Magnoliophyta*

J. L. REVEAL & R. D. HOOGLAND

**Summary** : Names for five families of flowering plants are validly published : *Asteropeiaceae*, *Heloseaceae*, *Simmondsiaceae*, *Stylocerataceae* and *Xanthophyllaceae*.

**Résumé** : Validation du nom de cinq familles de plantes à fleurs : *Asteropeiaceae*, *Heloseaceae*, *Simmondsiaceae*, *Stylocerataceae* et *Xanthophyllaceae*.

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Names for five families of flowering plants now in use have not been validly published. We hereby validate the names.

**Asteropeiaceae** (Szyszyłowicz) Takhtajan ex Reveal & Hoogland, *fam. et stat. nov.*

**BASIONYM** : *Theaceae* trib. *Asteropeieae* SZYSZYŁOWICZ in ENGLER & PRANTL, *Nat. Pflanzenfam.* III, 6 : 181 (1893). Type : *Asteropeia* Du Petit-Thouars.

This name was originally proposed by TAKHTAJAN (1954 : 89) who failed to provide a Latin description or diagnosis. DOSTÁL (1957 : 199) proposed the name again, basing it on the above basionym, but as he failed to provide a full and direct reference to it, the name was invalid (Art. 33.2; GREUTER et al., 1988). TAKHTAJAN (1980, 1986, 1987) has continued to use the name.

**Heloseaceae** (Schott & Endlicher) van Tieghem ex Reveal & Hoogland, *fam. et stat. nov.*

**BASIONYM** : *Balanophoraceae* trib. *Helosieae* SCHOTT & ENDLICHER, *Melet. Bot.* 11 (1832). Type : *Helosis* L. C. Richard.

TAKHTAJAN (1987) used the name *Latraeophilaceae* Leandor do Sacramento ex Saint-Hilaire (1837), a *nom. nud.* published in synonymy. In 1990 he took up for this family the name *Helosidaceae*, attributing it to BULLOCK (1958). VAN TIEGHEM (1897*a, b, c*) proposed *Helosacées*, and while BULLOCK latinized the name he stated (p. 3) that he was not validating any of the family names in his paper. We propose here the more correct orthography *Heloseaceae*.

**Simmondsiaceae** (Mueller Argoviensis) van Tieghem ex Reveal & Hoogland, *fam. et stat. nov.*

BASIONYM : *Buxaceae* trib. *Simmondsieae* MUELLER ARGOVIENSIS in A. P. DE CANDOLLE, Prodr. 16 (1) : 9, 22 (1869). Type : *Simmondsia* Nuttall.

The name was originally proposed by VAN TIEGHEM (1898 : 103) as *Simmondsiacées*, *nom. inval.* (Art. 18.4), and while VON POST & KUNTZE (1903 : 714) latinized the name, they cited it in synonymy thus leaving it invalid [Art. 34.1(c)]. When TAKHTAJAN (1954 : 86) proposed the name he gave no Latin description nor a reference to a previously published one. DOSTÁL (1957 : 217) took up the name, attributed it to TAKHTAJAN and made an indirect reference to VAN TIEGHEM and MUELLER ARGOVIENSIS, but he failed to give a full and direct reference to either; his name too was invalid (Art. 33.2).

*Simmondsiaceae* is commonly recognized today (e.g., CRONQUIST, 1981; TAKHTAJAN, 1987; DAHLGREN, 1990).

**Stylocerataceae** (Pax) Baillon ex Reveal & Hoogland, *fam. et stat. nov.*

BASIONYM : *Buxaceae* trib. *Stylocereae* PAX in ENGLER & PRANTL, Nat. Pflanzenfam. III, 5 : 132, 134 (1892). Type : *Styloceras* Kunth ex A. H. L. de Jussieu.

When BAILLON (1858 : 665) proposed the name (as *Stylocerées*) he used an invalid name (Art. 18.4) and in addition failed to provide a description, rendering it a *nom. nud.* VON POST & KUNTZE (1903 : 714) corrected the orthography and cited the name in synonymy under *Buxaceae*. AIRY SHAW (1966 : 1086; 1973 : 1114) took up the name but failed to validate it, as did TAKHTAJAN (1986 : 320; 1987 : 77).

**Xanthophyllaceae** (Chodat) Gagnepain ex Reveal & Hoogland, *fam. et stat. nov.*

BASIONYM : *Polygalaceae* trib. *Xanthophylleae* CHODAT in ENGLER & PRANTL, Nat. Pflanzenfam. III, 4 : 329, 343 (1896). Type : *Xanthophyllum* Roxburgh.

The family name was first established by GAGNEPAIN (1908 : 241) and used again by him several times since (1909 : 242; 1922 : 20; 1939 : 217; 1944 : 70), always as *Xanthophyllacées*; in each instance the name was invalid (Art. 18.4). ERDTMAN (1952 : 353) established the Latin orthography but as he considered the name a synonym it remained invalid [Art. 34.1(c)]. DOSTÁL (1957 : 220) accepted the name, credited it to GAGNEPAIN (giving the date as 1910) and gave an indirect indication to the tribe *Xanthophylleae* proposed by CHODAT. BULLOCK (1958 : 35) listed the name in its latinized form, but as he stated (p. 3) that he was not validating any of the family names in his paper, and there was no reference to a previously published Latin description anyway, the name remained invalid. STAFLEU & COWAN (1979 : 803), in listing the contents of the Flore Générale de l'Indo-Chine, corrected the orthography and made a direct reference to the 1909 and 1939 uses of the name. They did not validate the name as they did not give a direct reference to a basionym or to a previously published Latin description