



## Lectotypification of *Isoloma* and *Campanea* (Gesn.)

C. V. Morton

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Adopted generally.

*Hymenotheca* Salisbury (Hydrocharitaceae) nec non *Hymenotheca* F. Mueller (Gyrostemonaceae): *nomina rejicienda proposita*.

Type species: (Hydrocharitaceae) *Hymenotheca latifolia* Salisbury; (Gyrostemonaceae) *Hymenotheca pyramidalis* F. Mueller.

Recognized almost generally as later synonyms of *Ottelia* Persoon (1805) [Hydrocharitaceae] and *Codonocarpus* A. Cunningham ex Hooker (1830) [Gyrostemonaceae] respectively.

Discussion: As pointed out by C. F. Reed (Taxon 4: 111 [1955]), the generic name *Hymenotheca* H. Potonié should be conserved against *Hymenotheca* Salisbury and *Hymenotheca* F. Mueller. The reason for such an action must be seen in the general interest not to disturb — as far as possible — the stability of the actual paleobotanical nomenclature.

Proposed by: J. PACLT (Bratislava).

## LECTOTYPIFICATION OF ISOLOMA AND CAMPANEA (GESN.)

**Isoloma** (Benth.) Decaisne, Rev. Hort. III, 2: 465. 15 Dec. 1848, non *Isoloma* J. Smith, Journ. Bot. Hook. 3: 414. 1841.

*Gesneria* sect. *Isoloma* Benth. Pl. Hartw. 230. Apr. 1846.

*Isoloma* is doubly illegitimate, first because it is a later homonym of the fern genus *Isoloma* J. Smith, and secondly because *Kobleria* Regel (Apr. 1848) is cited as a synonym. It may be objected that Decaisne did not definitely cite the type of *Kobleria*, namely *Gesneria hirsuta* H.B.K., in his account, but Decaisne adopted his name and concept from Bentham; Bentham described or listed several species of *Gesneria*, and then remarked that all of these preceding ones are to form his section *Isoloma*; among these is *G. hirsuta* H.B.K., mentioned in a note under *G. eriantha*. He was separating those *Gesnerias* with a subregular corolla limb from those with a bilabiate limb, his sect. *Corytholoma*. Since Decaisne included *G. eriantha* Benth. in his *Isoloma* and since this was said by Bentham to be close to *G. hirsuta* H. B. K., it is clear that Decaisne was not excluding *G. hirsuta* even though he does not specifically mention this species, and therefore he did include the type of *Kobleria* in his genus. In any case, *Kobleria* is cited as a straight synonym of *Isoloma* without any qualifications. Decaisne undoubtedly adopted *Isoloma* because the name was prior, but it was prior only as a sectional name, which has no priority in present usage over a generic name. Therefore, by Art. 7, Note 4, of the Code, the type of *Isoloma* (Bentham) Decaisne is the same as that of the name *Kobleria* that ought to have been adopted, namely *Isoloma hirsutum* (H.B.K.) Regel (*Gesneria hirsuta* H. B. K.).

**Campanea** Decaisne ex Planch. Flore des Serres 5: t. 499. 1849 (as "*Capanea*").

The name *Campanea* was first proposed by Decaisne in the Revue Horticole (1849: 241) but the name is technically invalid under the Code because there was no separate generic description. The genus was monotypic and Decaisne provided what might be considered a combined generic and specific description under the name *Campanea grandiflora*. But this can not be considered validly published under the provision of the Code for a combined generic and specific description because the species in question was not a *new* species but was based on the earlier *Besleria grandiflora* H.B.K. Unfortunately, Decaisne spelled the name "*Capanea*" on the plate and "*Campanea*" in the text. In validly publishing the genus a short time later, Planchon used the spelling *Capanea*. In 1858, C. Müller (Ann. Bot. 5: 431) stated that "*Capanea*" was an error for *Campanea*, and this corrected spelling was forthwith adopted by Hanstein and all other workers since that time. In a recent paper, Denham (Baileya 14: 37. 1966) has argued that Planchon and Van Houtte (who also used the spelling *Capanea*)

were in touch with Decaisne and doubtless knew his intentions and that the name was probably intended to commemorate Capaneus, of Greek history, rather than *Campanea*, from the Latin "campana," a bell. The latter would be an appropriate name inasmuch as the corrolas in the genus are indeed campanulate or bell-shaped. In order to determine Decaisne's intention, if possible, I looked in the herbarium in Paris where Decaisne was working at the time, and found that the syntypes of *Besleria grandiflora* in Paris are marked *Campanea* in Decaisne's own hand. This would seem to settle definitely the argument as to Decaisne's intent, and indicate that Planchon was in error in his spelling "*Capanea*." Therefore, the usual spelling *Campanea* should be continued.

C. V. MORTON (†)

### PINUS BANKSIANA LAMB. OR PINUS DIVARICATA (AITON) DUMONT?

In 1971 (Can. J. Bot. 49: 573-576) I published a review of the nomenclatural problem surrounding the correct name for Jack Pine and concluded that the name *Pinus divaricata* published in 1802 by Dumont de Courset (*Le botaniste cultivateur*, 1st ed., Paris) antedated the publication of *P. banksiana* Lamb. (*A Description of the Genus Pinus*, London, 1803) and was the correct scientific name for that taxon. Since that time two published notes have attempted to refute that conclusion (E. G. Voss, Mich. Bot. 11: 26-37, 1972 and D. R. Hunt, Taxon 21: 717, 1972). Both Voss and Hunt take the position that Dumont did not intend to publish a new combination but was simply listing *P. divaricata* as a variety of *P. sylvestris* ("Pin sauvage") as Aiton originally had done (*Hortus kewensis*, London, 1789). Dumont's use of the heading "Variétés" preceding the list of five names, including *P. divaricata*, that followed *P. sylvestris* was used to support their view.

I was originally of the opinion, although I neglected to discuss it in 1971, that Dumont was not using the word "Variétés" to mean taxonomic varieties but in a more general sense to mean related entities. This view was supported by two kinds of evidence. One, in the discussion following "2. [Pin] de montagne" (*P. montana*), one of the five "variétés" in question, Dumont used the expression "Cette espèce" and following the two taxa to which scientific names were not assigned ("4. [Pin] d'Haguenau" and "5. [Pin] de Riga") he stated, "Ces deux derniers pins ne sont pas assez distincts pour en constituer même des variétés." In the first example he clearly referred to the taxon as a species and in the other he did not regard the two taxa as even varieties. Could he have intended to treat them all as taxonomic varieties? I do not think so. Hunt's argument that he used the expression "Cette espèce" only when some other author previously referred to the taxon as a species is unconvincing in that it does not explain why he would refer to a taxon, that he presumably regarded as a variety, as a species.

The second kind of evidence was that in the second edition of *Le botaniste cultivateur* (1811) Dumont changed the heading "Variétés" to "Affinités" without significantly changing either the taxa listed thereunder or his discussion of them. I concluded that the word "Affinités" revealed the sense in which he used the word "Variétés" in 1802 and I see no reason to change this conclusion.

Hunt attempts to explain Dumont's use of the binomial, *Pinus divaricata*, by arguing that it was either a mistake ("a slip of the pen") or an abbreviation for *P. sylvatica* [var.] *divaricata*. These arguments are difficult to accept because Dumont often used trinomials, sometimes even following a presumably "abbreviated" trinomial. For example, one of his entries is "2. [Pin] de montagne. Pin mugho. *P. montana*. Miller, H. K. *P. sylvestris montana*, Duhamel" Furthermore, it is unlikely that a "slip of the pen" would have appeared again in the revised 1811 edition. However, if there is a mistake it may be that Dumont did not realize that Aiton recognized five varieties of *Pinus sylvestris*. Previously, Miller (*The*