

Comments on the typification of two names in *Bauhinia* (Leguminosae: Cercidoideae)

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Abstract: In the protologue of *Bauhinia bassacensis* Pierre ex Gagnep., the number 1540, attributed to Harmand is a typographical error and should read as 1240. This numerical designation appears to represent Harmand's species identifier rather than his field collection number. We provided the correct typification of *B. bassacensis*, marking a significant correction, the previous typification of *B. menispermacea* Gagnep. has also been examined and discussed.

Key words: *Bauhinia bassacensis*, *B. menispermacea*, Cercidoideae, Original material, *Phanera*.

Introduction

De Wit (1956) while revising the Malaysian Bauhinieae proposed new combinations in *Phanera* for *Bauhinia bassacensis* Pierre ex Gagnep. and *B. menispermacea* Gagnep., the former is distributed from Indo-China to West Malesia and India while the latter is restricted to Borneo (POWO, 2024). The typification of these two names is discussed below.

Typification

Phanera bassacensis (Pierre ex Gagnep.) de Wit, Reinwardtia 3: 472. 1956. *Bauhinia bassacensis* Pierre ex Gagnep., Notul. Syst. Paris 2: 168. 1912. *Lectotype* (designated by de Wit, 1956): Cochinchina, ad Attopen, 03.1877, Harmand '1240' (P [P00798474, digital image!]).

The protologue (Gagnepain, 1912) of *Bauhinia*

bassacensis Pierre ex Gagnep. refers the collections from Laos (*Harmand*), Cochin-chine (*Pierre*) which can be considered as original material. De Wit (1956) selected the former collection (at P) as a lectotype. We could locate two collections by Harmand of *B. bassacensis* at P (P00798474, P00798475) of which P00798474 agrees with the protologue except the number 1540, which is listed as 1240. The specimen is determined by H.C.D. de Wit in 1951 perhaps used while proposing *Phanera bassacensis* (Pierre ex Gagnep.) de Wit. The discrepancy in the number (1540 instead of 1240) appears to be a typographical error in the protologue. P00798474 also annotated by S. Saksuwan Larsen in 1977, indicating *Bauhinia bassacensis* Pierre ex Gagnep. var. *bassacensis*. Another sheet P00798475, appears to be a duplicate of P00798474 but has a different collection time viz. 2/77 (also see K000760864 with the same month and year of collection i.e. 2/77) and is without de Wit's annotation and bears similar annotation of S. Saksuwan Larsen as found on P00798474. Although it has an isotype label affixed, it is not an exact duplicate of P00798474. Larsen & Larsen (1980) cited "TYPE : *Harmand 1240*, P". Subsequently Larsen & Larsen (1996) cited 'Type: *Harmand 1240* (P, holo), which need to be brought down as syntype. In this case the number 1240 is attached to both the collections by Harmand at different times (2/1877: P00798475 and 3/1877: P00798474). It seems that 1240 was referred as identifier rather than a collection

number. Bandyopadhyay (2014) cited *Harmand* 1540 as a lectotype (following de Wit, 1956) instead of *Harmand* '1240' was an error which is corrected here (Art. 9.2, Turland *et al.*, 2018).

Phanera menispermacea (Gagnep.) de Wit, *Reinwardtia* 3: 513. 1956. *Bauhinia menispermacea* Gagnep., *Notul. Syst. Paris* 2: 176. 1912. *Lectotype* (perhaps holotype, designated here): BORNEO, Sarawak, path to Matang, 14.12.1894, G.D. Haviland & C. Hose s.n. '1014 P' (P [P00798564 digital image!]).

In the protologue of *Bauhinia menispermacea* Gagnep., Gagnepain (1912) cited a collection from Borneo by *Haviland et Hose* which can be considered as original material. De Wit (1956) cited the holotype (*Haviland et Hose* 1014P) at K. Larsen & Larsen (1996) lectotypified probably the same collection at K and cited the isotype to be at P. However, we could not be able to locate the lectotype specimen at K. Nevertheless, we could locate another collection (*Haviland* 1014, K000760977) from Borneo and it bears a collection date of 'Feb. 5/92' signifying Feb 5th 1892 which differs from the collection date stated in the protologue, i.e. Dec 14th 1894. Moreover, none of the handwritings in pen or pencil on K000760977 is that of F. Gagnepain. Thus, it cannot even be an uncited original material. Furthermore, the specimen K000760977 bears the number 1014 proceeded by the abbreviation "e.c.e.a", rather than 1014P. The abbreviation "e.c.e.a" refers date of collection of Haviland's collections which was well illustrated by Stapf (1907). The number 1014 is the serial number against *Bauhinia* in the handwritten manuscript entitled 'List of plants coll. by Dr. G.D. Haviland, Borneo' (Haviland, 1892).

According to Stafleu & Cowan (1976), the herbarium and type specimens of F. Gagnepain are housed at P. We could able to locate a pertinent specimen from Borneo by *Haviland et Hose* 1014P (P00798564). It also has an illustrative rendering of floral components by Gagnepain on a separate piece of paper. It also agrees with specimen details

cited in the protologue. Furthermore, it would be pertinent to say that Larsen & Larsen (1996) cited the P specimen as a duplicate of the K specimen: *Haviland et Hose* 1014P. This cannot be proved or disproved as *Haviland et Hose* 1014P could not be located at K.

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