

P. Siebertiana Hort. Sander, Gardeners' Chronicle, series 3, 43: 257 and Supplementary Illustration, Apr. 25, 1908 = ?

The description accompanying this name is of a juvenile plant and is so general that not even the genus can be properly ascertained. The name should be rejected from future consideration since there appears to be no further description with detail requisite for generic assignment.

Rhopaloblaste

R. arfakiana = **Heterospathe arfakiana**

R. Elmeri = **Heterospathe Elmeri**

R. intermedia = **Heterospathe** sp.

R. Macgregorii = **Heterospathe Macgregorii**

R. micrantha = **Heterospathe micrantha** but see also *Rhopaloblaste dyscrita*

R. microcarpa = **Heterospathe** sp.

R. princeps Hort. Bull, Gardeners' Chronicle, series 2, 13: 759. 1880 = ?

The description, if such it can be called, cannot be applied even at the generic level. The name should be rejected from future consideration.

Heterospathe

Heterospathe arfakiana (Beccari) H. E. Moore, *tr. nov.*

Ptychosperma arfakianum Beccari, Malesia 1: 57, 101. 1877 ('arfakiana').

Rhopaloblaste ? *arfakiana* (Beccari) Beccari ex Martelli, Nuovo Giornale Botanico Italiano, series 2, 42: 76. 81. 1935.

Mature fruit of certain origin is not part of the type (*Beccari Hb. No. 11187*) but the nature of the inflorescence, the

nervature and acute apices of the pinnae, together with the morphology of the staminate flowers in combination are congruent neither with *Ptychosperma* nor with *Rhopaloblaste*. They are congruent with *Heterospathe* as are fruits from a separate packet in the Beccari Herbarium (*No. 11163*) which were associated with the type by Beccari though not described. These fruits are 13 mm. long, 8 mm. in diameter, with a perianth 3 mm. high. They are within the range of expected size for mature fruit of *Heterospathe pilosa* (Burret) Burret from the Cyclops Mountains of West Irian. Should these taxa ultimately prove identical, the name *Heterospathe arfakiana* will have priority.

Heterospathe cagayensis Beccari, Philippine Journal of Science, Botany 4: 611. 1909.

Ptychoraphis cagayensis (Beccari) Beccari, Philippine Journal of Science 14: 328. 1919.

Heterospathe Elmeri Beccari in Elmer, Leaflets of Philippine Botany 2: 646. 1909.

Ptychoraphis Elmeri (Beccari) Beccari, in Philippine Journal of Science 14: 328, 1919.

Rhopaloblaste Elmeri (Beccari) Beccari in Martelli, Atti della Società Toscana di Scienze Naturali residente in Pisa, Memorie 44: 138 [reprint 27]. 1934.

Heterospathe Macgregorii (Beccari) H. E. Moore, *tr. nov.*

Rhopaloblaste Macgregorii Beccari in Martelli, Atti della Società Toscana di Scienze Naturali residente in Pisa, Memorie 44: 134 [reprint 23]. 1934.

The type of this species, collected by Sir W. MacGregor on the Fly River,

Papua, is fragmentary with some sections of leaf, two branches of an inflorescence in very young bud, and loose fruits. It conforms well with a more recent collection from limestone banks of the Kikori River, Gulf Division, Papua (*K. J. White N. G. F. 10714*, BH), which has a long-pedunculate inflorescence in its entirety and three-nerved pinnae characteristic of *Heterospathe*. The fruit has an essentially apical stigmatic residue as in *Rhopaloblaste* but unlike that genus there are diagonal fiber-sclereids in the outer mesocarp and anastomosing red tannin bodies between the longitudinal fibers and the endocarp. Transferred to *Heterospathe*, the species approaches *H. pilosa* (Burret) Burret from West Irian but differs in having much larger though ellipsoid fruit.

Heterospathe micrantha (Beccari)
H. E. Moore, *tr. nov.*

Ptychosperma micranthum Beccari,
Malesia 1: 52. 1877 ('*micrantha*').

Rhopaloblaste micrantha (Beccari)
Bentham & J. D. Hooker ex B. D.
Jackson, *Index Kewensis* 2: 713.
1895; *Nuovo Giornale Botanico*
Italiano, series 2, 42: 78, 81. 1935.

Examination of the type material of this species makes clear that it belongs in *Heterospathe* rather than *Ptychosperma* or *Rhopaloblaste*. It falls among those species previously referred to *Ptychandra* but recently incorporated in *Heterospathe* (*Principes* 13: 99–105, 1969) and in a

provisional key to species runs to the vicinity of *Heterospathe Clemensiae* because of the ellipsoid fruit. There do appear to be adequate specific differences between the two taxa however.

Heterospathe philippinensis (Beccari) Beccari, *Philippine Journal of Science*, Botany 4: 610. 1909.

Ptychoraphis philippinensis Beccari,
Annales du Jardin Botanique de
Buitenzorg 2: 90. 1885; *Malesia* 3:
109. 1886.

***Heterospathe* sp.**

Ptychoraphis intermedia Beccari,
Philippine Journal of Science 14:
328. Mar. 1919; *Leaflets of Philippine*
Botany 8: 3011. Aug. 1919.

Rhopaloblaste intermedia (Beccari)
Beccari ex Martelli, *Nuovo Giornale*
Botanico Italiano, series 2, 42: 75,
81. 1935.

The relationship of this and the next to other species of *Heterospathe* in the Philippines is not clear hence the epithets are not transferred.

***Heterospathe* sp.**

Ptychoraphis microcarpa Beccari,
Philippine Journal of Science 14:
327. 1919.

Rhopaloblaste microcarpa (Beccari)
Beccari ex Martelli, *Nuovo Giornale*
Botanico Italiano, series 2, 42: 75,
81. 1935.