

SOME NEW COMBINATIONS IN PLAGIOGYRIA (PLAGIOGYRIACEAE, PTERIDOPHYTA)

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SUMMARY

Three new combinations are made in *Plagiogyria egenolfioides* (Baker) Copel. (Plagiogyriaceae).

INTRODUCTION

In a later issue of Blumea, a complete revision of the genus *Plagiogyria* will be published by the same authors as the present short article. Hopefully in the near future the revision of the family Plagiogyriaceae will be published in Flora Malesiana Series II and, because it is no longer customary to publish new names in this Flora, some new combinations are given here.

Plagiogyria egenolfioides (Baker) Copel.

Plagiogyria egenolfioides (Baker) Copel., J. Straits Branch Roy. Asiat. Soc. 63 (1912) 72. — *Lomaria egenolfioides* Baker, Kew Bull. (1894) 7. — *Blechnum egenolfioides* C. Chr., Index Filic. (1906) 153. — Type: *Hose 309* (holo K; iso P, fragm. BM, photogr. PE), Sarawak, Mt Dulit, alt. 5,000 ft, 1891.

In this species three varieties are recognized, all based on existing species:

a. var. egenolfioides

Plagiogyria egenolfioides (Baker) Copel., J. Straits Branch Roy. Asiat. Soc. 63 (1912) 72. — Type: *Hose 309* (holo K; iso P, fragm. BM, photogr. PE), Sarawak, Mt Dulit, alt. 5,000 ft, 1891.

Plagiogyria minuta Copel., Philipp. J. Sci. 10, Bot. (1915) 148. — Type: *Native collector 939* (not '393' by Copeland, 1915) (holo MICH; fragm. BM, photogr. GH, PE), Sarawak, without exact locality.

b. var. decrescens (C. Chr.) X.C. Zhang & Noot., *comb. nov.*

Plagiogyria tuberculata var. *decrescens* C. Chr., Brittonia 2 (1937) 284. — Type: *Brass 4746* (holo BM; photogr. PE), Papua New Guinea, Central Division, Wharton Range, Murray Pass, alt. 2,840 m, 8-VIII-1933.

Blechnum pendulum Brause, Bot. Jahrb. Syst. (1920) 157. — *Struthiopteris pendula* Ching, Sunyatsenia 5 (1940) 243. — *Plagiogyria pendula* Chambers ex Nakaike, Bull. Nat. Sc. Mus. Tokyo 17 (1991) 92, f. 13. — Type: *Ledermann 11927* (holo B; photogr. BM, PE), Papua New Guinea, Sepik, "Baumkronen", alt. 2,070 m, 2-VI-1913.

1) The Herbarium, Institute of Botany, Academia Sinica, Beijing 100 093, China.

2) Rijksherbarium/Hortus Botanicus, P.O. Box 9514, 2300 RA Leiden, The Netherlands.

- Plagiogyria novoguineensis* Alderw., Nova Guinea 14 (1923) 36. — Type: *Lam 1860* (holo BO, n.v.; fragm. L, fotogr. BM, K, PE), New Guinea, Mt Doorman summit, alt. 2,950 m, 30-X-1920.
- Plagiogyria papuana* C. Chr., Brittonia 2 (1937) 285, non Alston (1939); Nakaike, Bull. Nat. Sc. Mus. Tokyo 17 (1991) 92. — Syntypes: *Brass 4317* (BM, fotogr. PE), Papua New Guinea, Central Division, Mt Albert Edward, alt. 3,680 m, 23-VI-1933; *ibid.*, *Brass 4483* (BM, NY, fotogr. PE), alt. 3,680 m, 10-VII-1933.

c. var. latipinna (Copel.) X.C. Zhang & Noot., *comb. nov.*

- Plagiogyria tuberculata* var. *latipinna* Copel., Philipp. J. Sci. 2, Bot. (1907) 133. — Type: *Merrill 5962* (iso GH, US, fotogr. PE), Philippines, Mt Halcon, alt. 2,400 m, XI-1906.
- Plagiogyria tuberculata* Copel., Philipp. J. Sci. 1, Suppl. (1906) 153. — Type: *Copeland 1924* (holo MICH, Herb. E.B. Copeland No. 33), Luzon, Lepanto, Bagnen, alt. 6,500 ft, 4-XI-1905.
- Plagiogyria tuberculata* var. *gracilis* Copel., Leaflet. Philipp. Bot. 2 (1908) 405. — Type: *Elmer 9740* (BM, F, GH, K, L, NY, P, U, US), Philippines, Negros, Mt Cuernos, alt. 1,800 m, IV-1908.
- Plagiogyria pycnophylla* var. *integra* Copel., Philipp. J. Sci. 5, Bot. (1910) 285. — Type: *Brooks s.n.* (BM), Sarawak, Mt Bengkarum, Sambas River, alt. 3,500 ft, IX-1908.
- Plagiogyria pycnophylla* var. *integra* subvar. *stenophylla* Bonap., Notes Pterid. 14 (1923) 484. — Type: *Mjöberg 9* (holo P; iso US), Sarawak, Mt Murud, alt. 5,000–6,000 ft, 1922-1923.
- Plagiogyria rotundipinnata* Bonap., Notes Pterid. 14 (1923) 484. — Type: *Mjöberg 7* (holo P; iso K, fotogr. BM, PE), Sarawak, Mt Murud, summit, alt. 8,000 ft, 1922-1923.
- Plagiogyria clemensiae* Copel., Philipp. J. Sci. 38 (1929) 395, pl. 4. — Type: *Clemens 10589* (holo MICH, Herb. E.B. Copeland No. 26, fragm. BM, Herb. C. Christensen, fotogr. GH, NY, PE), Borneo, Mt Kinabalu, Paka Cave, alt. 3,000 m, 12-14-XI-1915.

d. var. sumatrana (Rosenst.) X.C. Zhang & Noot., *comb. & stat. nov.*

- Plagiogyria sumatrana* Rosenst., Feddes Repert. Spec. Nov. Regni Veg. 13 (1914) 214. — Type: *Winkler in Rosenstock, Filic. Sumatra Ex. 127* (BM, K, L, P), Sumatra, Batakland, 1911.
- Plagiogyria subrigida* Alderw., Bull. Jard. Bot. Buitenzorg III, 2 (1920) 163. — Syntypes: *Bünne-meijer 4122* (K, L, U), Sumatra, Mt Malintang, alt. 2,000 m, 29-VII-1910; *Lörzing 6006* (L), Sumatra, Mt Sibajak, alt. 2,000 m, 28-VIII-1910.
- Plagiogyria integripinnata* Bonap., Notes Pterid. 14 (1923) 60. — Type: *Haniff & Nur 8144* (holo P), Malay Peninsula, Gunung Tahan, alt. 5,500 ft, 11-VI-1922.
- Plagiogyria malayensis* R.D. Dixit & A. Das, Fern Gaz. 12 (1981) 182, fotogr. 1. — Type: *Wray 317* (holo CAL; iso BM), Malay Peninsula, Perak, summit of Gunung Batu Puteh, 6,700 ft. — Paratype: *Scortechini 397* (CAL), Malay Peninsula, without exact locality.
- Plagiogyria tahanensis* Miyamoto & H. Ohba, Acta Phytotax. Geobot. 43 (1992) 31, f. 1: A–H. — Type: *Miyamoto 89-373* (holo TI), Malay Peninsula, Pahang, summit of Gunung Tahan, alt. 1,600 m.