

## CTENOPTERIS BREVIVENOSA (v. A. v. R.) HOLTZ., A GRAMMITID FERN NEW TO TAIWAN

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*Ctenopteris brevivenosa* (v. A. v. R.) Holtt., Fl. Mal. 2: 228. fig. 126. 1954.—*Polypodium brevivenosum* v. A. v. R. in Bull. Jard. Bot. Buitenz. Ser. II. 28: 40. 1918.—*Polypodium malaccanum* Bak. var. *pahangense* Ridley in Journ. Mal. Br. R. A. S. 6: 84. 1926. 南洋蕨

Specimen examined: Pingtung Co.: Tashulinshan, C. M. Kuo 1327A (TAI), March 31, 1972, epiphytic on mossy tree-trunk, growing with *Calymmodon gracilis*, alt. 1200 m.

Distribution: Sumatra, Malay Peninsula, Borneo and Taiwan.

Rhizome short, erect; stipes tufted; fronds pinnate, narrowly elliptic, tapering to either end, 6–8 cm long, 7–12 mm wide, pubescent on stipe and both surfaces; margins entire; hairs multicellular, red-brown, patent, 2–3 mm long, those on pinnae of same length as on the stipe; veins oblique, not reaching the margin; sori round, superficial, borne on upper half of frond.

This small grammitid fern looks much like *Calymmodon gracilis* at first glance as both are almost of same size and shape and both grow in the same kind of habitat, but *C. gracilis* is distinct because the lower margin of their fertile pinnae are folded upwards

### Key to the species of *Ctenopteris* in Taiwan

1. Fronds deeply bipinnatifid, pinnules very narrow.....*C. tenuisecta*
1. Fronds pinnate.....2.
2. Margins of pinnae crenate or serrate.....3.
2. Margins of pinnae entire or undulate.....4.
3. Hairs simple or forked, clavate and glandular.....*C. merrittii*
3. Hairs simple, neither clavate nor glandular.....*C. subfalcata*
4. Sori sunken in deep slits, oblique to costa, linear.....*C. obliquata*
4. Sori superficial, or slightly sunken, round or oval.....5.
5. Fronds pubescent on both surfaces.....*C. brevivenosa*
5. Fronds glabrous on both surfaces.....*C. curtisii*

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*Ctenopteris breivenosa* (v. A. v. R.) Holtt.