

Tropical Bryology 14: 1, 1998

Trachyphyllum carinatum Dix. new to China

Paul L. Redfearn, Jr.

Dept. of Biology, Southwest Missouri State University, Springfield, MO, 65804-0095,
U.S.A.

Abstract: *Trachyphyllum carinatum* Dix. is reported new to China from Xishuangbanna.

In 1986 while collecting in Xishuangbanna, China, a small pleuocarpus moss was collected on a tree trunk along the edge of a road. Preliminary examination suggested that it might be a *Homomallium*. However, it did not really seem to belong in this genus and it was sent for identification to Dr. N. Nishimura in Japan. He concluded that it was neither *Homomallium* nor *Hondaella* and suggested that it might be close to *Pylasiadelpha tenuirostris* (Bruch & Schimp. in Sull.) Buck because of it had propagules, no central strand in the stem and no pseudoparaphyllia. He noted that he had never seen such a combination of characters in the Hypnaceae and asked Dr. H. Ando to examine the collection. He rejected *Pylasiadelpha* because of the shape of the propagules and suggested that it might be in the Entodontaceae. Subsequently, I asked Dr. W. R. Buck to examine the collection and he identified it as *Trachyphyllum carinatum* Dix. Apparently I had failed to notice that the lamial cells are prorulose. This character, combined with the propagules and numerous alar cells are quite distinctive and key

out nicely in Buck's (1979) monograph of *Trachyphyllum*.

This species is currently reported only from Thailand and Burma. Its presence in Xishuangbanna is not surprising.

The collection data for this collection is: CHINA, Yunnan Province, Xishuangbanna. Menghai County. Along road adjacent to old tea grove. Nannuo Mountain. Elev. 1400-1500 m, on tree trunk. P. L. Redfearn 34247 (KUN, MO, NY, PE, SMS).

Acknowledgments

The author would like to thank Drs. H. Ando, W. R. Buck and N. Nishimura for their aid in the identification of this specimen. Support for field work in Xishuangbanna is acknowledged with thanks to the National Geographic Society.

Reference

- Buck, W. R. 1979. A revision of the moss genus *Trachyphyllum* Gepp (Thuidiaceae). *Brittonia* 31: 379-394.