

Notes on *Philonotis* (Bartramiaceae, Musci). 8. *Philonotis* in William Mitten's "Musci Indiae orientalis" and key to southeast Asian taxa

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The taxonomic and nomenclatural status of 21 *Philonotis* species listed in William Mitten's "Musci Indiae orientalis" is summarized. A key to the species of the genus *Philonotis* Brid. and to the genus *Fleischerobryum* Loeske in southeast Asia is presented. The key is mainly based on gametophytic characters, but a separate key to the species with erect and globose to ovoid capsules is given. The taxonomy and morphological characteristics of taxa are discussed. A total of 25 species of *Philonotis* and two species of *Fleischerobryum* occur in this area. *Philonotis* sect. *Yezoana* T. J. Kop. is described. Lectotypes are selected for *Bartramia macrocarpa* Müll. Hal., *B. pseudofontana* Müll. Hal., *B. sabulosa* Griff., *Philonotis angusta* Mitt., *P. anisoclada* Cardot & P. de la Varde, *P. bartramioides* (Griff.) D. G. Griffin & W. R. Buck, *P. glomerata* Mitt., *P. leptocarpa* Mitt., *P. lutea* Mitt., *P. speciosa* Mitt. var. *angustifolia* Kabiersch, *P. subrigida* Cardot & P. de la Varde and *Mielichoferia assamica* Dix. The lectotype of *Philonotis nitida* Mitt. is relectotypified to Mitten's herbarium (NY). *P. angusta* and *P. leptocarpa* are newly recorded for China.

Key words: distribution, *Fleischerobryum*, identification, nomenclature, *Philonotis*, southeast Asia, taxonomy, typifications