



## Notes on Early Land Plants Today. 48. *Drepanolejeunea longifolia*, a new synonym of *Drepanolejeunea angustifolia* (Marchantiophyta, Lejeuneaceae)

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*Drepanolejeunea* (Spruce 1884: 186) Stephani (1891: 209), with about 110 currently accepted species, is the fourth largest genus of Lejeuneaceae (following *Cololejeunea* (Spruce 1884: 291) Stephani (1891: 208), *Lejeunea* Libert (1820: 373), and *Cheilolejeunea* (Spruce 1884: 251) Stephani (1890: 284) (He *et al.* 2012). Although *Drepanolejeunea* is a diverse pantropical genus, it is characterized and easily distinguished from other related genera by the 1) erect to widely divergent lobes of underleaves without a basal disc, 2) transverse section of stem with 7 cortical cells and 3 medullary cells, 3) presence of ocelli at least at base of leaf lobe, 4) proximal hyaline papilla, 5) pycnolejeuneoid leaf sequence of gynoecial innovation (if present), 6) inflated perianths usually with various projections near apex, and 7) asexual reproduction by means of cladia or caducous leaves (Zhu & So 2001; He *et al.* 2012; Pócs *et al.*, 2013). The genus has been classified in a separate subtribe, *Drepanolejeuneinae* Gradstein (2013: 14), together with *Vitalianthus* Schuster & Giancotti (1993: 447).

During our recent studies on Asian *Drepanolejeunea*, we found that *Drepanolejeunea longifolia* Singh & Nath (2007: 248), previously known only from India is conspecific with *Drepanolejeunea angustifolia* (Mitten 1861: 116) Grolle (1965: 206), a common epiphytic and epiphyllous species in southeastern Asia (e.g., Udar & Awasthi 1982; Zhu & So 2001).

### Formal treatment

The format of this note follows Söderström *et al.* (2012).

*Drepanolejeunea angustifolia* (Mitt.) Grolle, J. Jap. Bot. 40: 206. 1965 (Grolle 1965).

= *Lejeunea angustifolia* Mitt., J. Proc. Linn. Soc., Bot. 5: 116. 1861 “1860” (Mitten 1861). Type:—INDIA. “Sikkim Himalaya”: Tonglo, 10000 ft, *J. D. Hooker 1498* (holotype NY!; isotype BM!).

= *Drepanolejeunea longifolia* Ajit P. Singh et V. Nath, Hapat. Khasi Jaintia Hills E. Himal.: 248, 2007 (Singh & Nath 2007); Bryologist 111: 477, 2008 (Singh *et al.* 2008). Type:—INDIA. Meghalaya: East Khasi Hills, Elephant Falls, on bark of tree, ca. 1500 m, 8 June 1965, *S. Chandra 201213-B* (holotype LWG!), *syn. nov.*

For further synonyms, see Mizutani (1961), Grolle (1965), Zhu & So (2001).

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