

- 1. Plants with sporophytes.....2
- 1. Plants lacking sporophytes.....4
- 2. Calyptrae persistent, with vertical slit-like openings, twisted around seta proximal to capsule; peristome lacking.....1. *Calymperes*
- 2. Calyptrae cucullate, deciduous, lacking slit-like openings; peristome present or lacking..... 3
- 3. Stems more or less repent-creeping, with ascending-erect branches; leaves conspicuously bordered with elongate hyaline cells, border often broad, unistratose..... 2. *Mitthyridium*
- 3. Stems mostly erect, neither creeping nor with erect branches; border of hyaline cells present or lacking, if present then narrow and multistratose, sometimes incomplete ..... 3. *Syrrhopodon*
- 4. Upper laminae bordered, at least in part, with elongate hyaline cells.....5
- 4. Upper laminae lacking elongate hyaline marginal cells..... 6
- 5. Stems more or less repent-creeping, with ascending-erect branches; leaf border of hyaline cells conspicuous, often broad, unistratose, complete or nearly so..... 2. *Mitthyridium*
- 5. Stems mostly erect, lacking erect branches; leaf border of hyaline cells narrow, multistratose, sometimes more or less lacking along part of the margin on some or most leaves..... 3. *Syrrhopodon*
- 6. Leaves with intramarginal files of differentiated cells (teniolae) at least at the shoulder region (teniolae difficult to see due to tuberculosities in *Calymperes strictifolium*)..... 1. *Calymperes* p.p.
- 6. Teniolae lacking.....7
- 7. Leaves narrowly long-linear; cells of upper laminae more or less transversely elongate.....1. *Calymperes* p.p.
- 7. Leaves linear to oblong or variously lanceolate-acuminate; cells of upper laminae mostly isodiametric (sometimes more or less transversely elongate in *Calymperes fasciculatum*)..... 8
- 8. Leaves essentially entire at shoulders.....1. *Calymperes*
- 8. Leaves toothed to ciliate at shoulders.....3. *Syrrhopodon*