1. Leaves orbicular, cochleariform-concave, rounded-obtuse or bluntly apiculate at apex..... 7. *Myuroclada*

1. Leaves ovate, oblong, not orbicular, not or only slightly concave, acuminate or acute at apex 2

2. Stems pinnately branched; leaves deeply multi-plicate; costae often radiculose at ventral surface .... 11. *Tomentypnum*

2. Stems irregularly to subpinnately branched; leaves plane to moderately 2–4-plicate, costae not radiculose 3

3. Perichaetia large, with numerous, recurved and squarrose perichaetial leaves; opercula scarcely or shortly rostrate.....1. *Brachythecium*

3. Perichaetia small, with a few, erect and straight perichaetial leaves; opercula mostly long rostrate 4

4. Costae of branch leaves often ending with one or several teeth on the back of leaves..... 5. *Eurhynchium*

4. Costae of branch leaves not ending with teeth on the back of leaves 5

5. Costae of branch leaves usually becoming slender upward; leaf cells usually strongly prorate..... 2. *Bryhnia*

5. Costae of branch leaves stout, scarcely slender upward; leaf cells smooth 6

6. Leaves triangularly lanceolate; alar cells strongly thick-walled; capsules erect, symmetric..... 7

6. Leaves ovate, ovate-lanceolate, or oblong-lanceolate; alar cells thin-walled; capsules inclined to horizontal, arcuate, asymmetric 9

7. Leaves nearly truncate at the insertion; alar cells extending across the entire leaf bases; exostome teeth smooth at base, papillose above; endostome segments reduced; cilia absent..... 6. *Homalothecium*

7. Leaves cordate or auriculate at the insertion; alar cells in large and conspicuous groups; exostome teeth cross-striolate at base; endostome segments well developed; cilia often present 8

8. Alar cells moderately thick-walled; basal juxtacostal cells not pitted..... 3. *Camptothecium*

8. Alar cells thick-walled; basal juxtacostal cells strongly pitted..... 8. *Palamocladium*

9. Leaves abruptly tapering to a piliferous point, cochleariform-concave..... 4. *Cirriphyllum*

9. Leaves gradually tapering to an acute or long acuminate point, flat, not concave 10

10. Branches not complanate; leaves narrowly lanceolate; setae scabrous..... 9. *Rhynchostegiella*

10. Branches complanate; leaves ovate to ovate-lanceolate; setae smooth..... 10. *Rhynchostegium*