1. Leaf apex abruptly contracted to a rather long piliform, flexuose acumen..... 12. *P. piliferum*

1. Leaf apex acute, acuminate or gradually and slenderly long acuminate to filiform 2

2. Plants large, whitish green; leaves strongly undulate..... 17. *P. undulatum*

2. Plants small to medium-sized, pale to dark green or yellowish green; leaves not or only weakly undulate 3

3. Leaf bases broadly decurrent, consisting of rounded-rectangular or oval cells, not ending in a triangular shape.....3. *P. denticulatum*

3. Leaf bases narrowly or slenderly decurrent, consisting of rectangular or elongate cells, usually ending in a slenderly triangular shape 4

4. Leaves distinctly complanate-spreading, strongly asymmetrical, weakly undulate..... 9. *P. neckeroideum*

4. Leaves not or weakly complanate-spreading, symmetrical to somewhat asymmetrical, rarely undulate..... 5

5. Leaves moderately asymmetrical, clearly secund 6

5. Leaves symmetrical, not or indistinctly secund 7

6. Dioicous; leaves ovate, usually rugose or plicate..... 5. *P. formosicum*

6. Autoicous; leaves ovate-lanceolate, not rugose or plicate..... 7. *P. laetum*

7. Stems without a central strand..... 8. *P. latebricola*

7. Stems with a central strand either well developed or weakly differentiated 8

8. Cells of leaf decurrency shortly broad-rectangular, sharply different from other basal cells..... 4. *P. euryphyllum*

8. Cells of leaf decurrency long rectangular, not sharply different from other basal cells..... 9

9. Branches usually not julaceous, more or less complanate; plants usually prostrate..... 2. *P. curvifolium*

9. Branches usually subjulaceous or julaceous, not complanate; plants often ascending 10

10. Leaves not contorted when dry; leaf cells usually linear to narrowly rectangular..... 11

10. Leaves distinctly contorted when dry; leaf cells hexagonal to narrowly rhomboidal.....

12

11. Leaves broadly ovate, not ending in a filiform acumen; median leaf cells 75–96 µm × 9–12 µm..... 6. *P. handelii*

11. Leaves ovate-lanceolate, ending in a filiform acumen; median leaf cells 84–120 µm × 9–14 µm..... 15. *P. subulatum*

12. Plants not clearly glossy, somewhat dull..... 10. *P. nemorale*

12. Plants strongly glossy
..... 13

13. Leaf apices with a group of hyaline, thin-walled, short cells
..... 14

13. Leaf apices without a group of hyaline, thin-walled, short cells
..... 15

14. Leaves ovate-lanceolate, asymmetric; central strand well differentiated..... 13. *P. platyphyllum*

14. Leaves orbicular at base, symmetric; central strand weakly differentiated..... 14. *P. shevockii*

15. Leaves broadly ovate-lanceolate to oblong-lanceolate..... 16. *P. succulentum*

15. Leaves broadly elliptical to oblong-ovate
..... 16

16. Branches somewhat julaceous; leaf apices often secund; leaves significantly longer than wide (1.3–2.0 mm × 0.6–1.0 mm)..... 1. *P. cavifolium*

16. Branches not at all julaceous; leaf apices not secund; leaves nearly as long as wide (1.40–1.50 mm × 1.2–1.29 mm)..... 11.*P. paleaceum*