

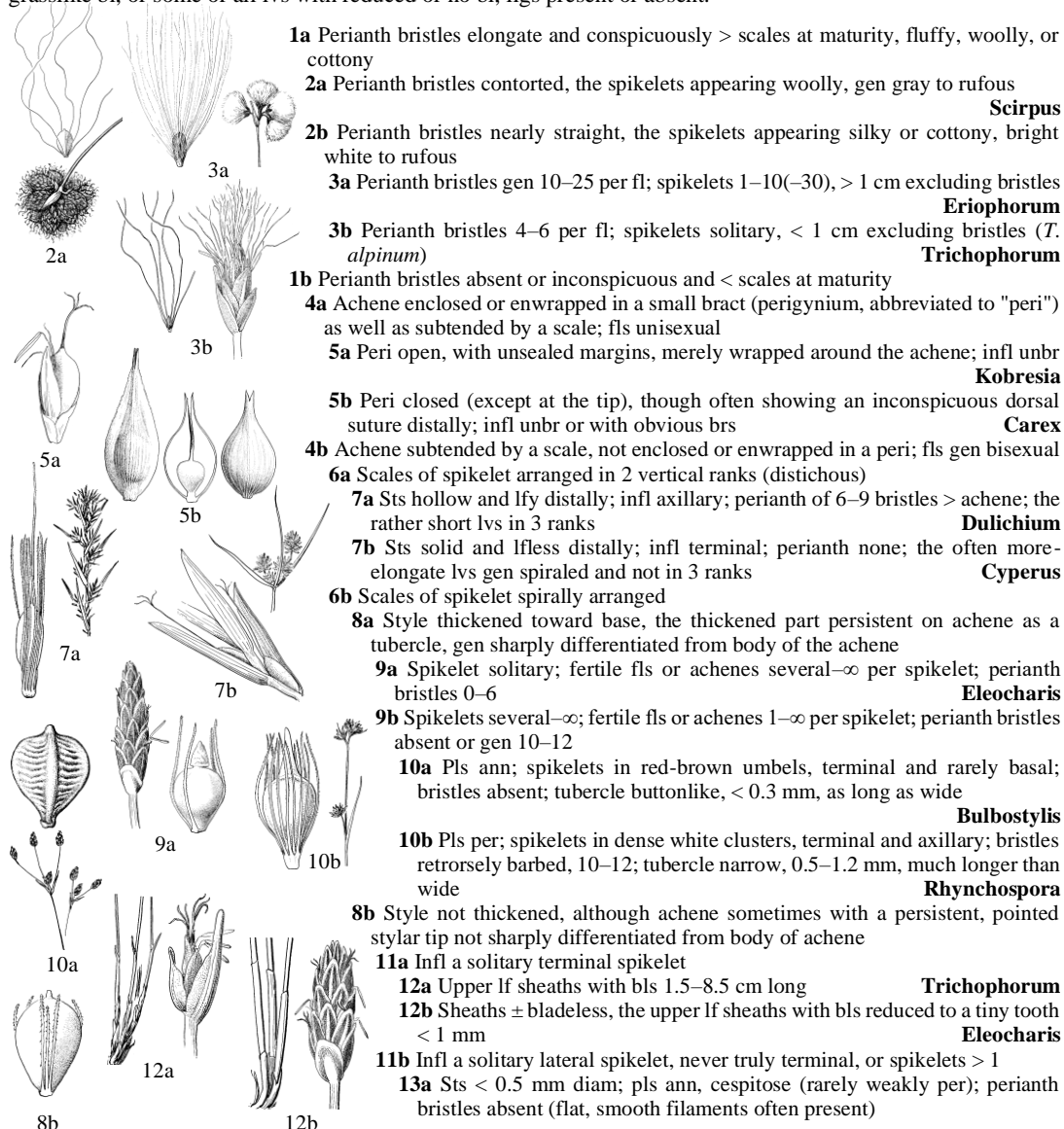
Changes to key: *Schoenoplectiella* segregated from *Schoenoplectus* on the basis of molecular and morphological data. Doing so makes both genera monophyletic.

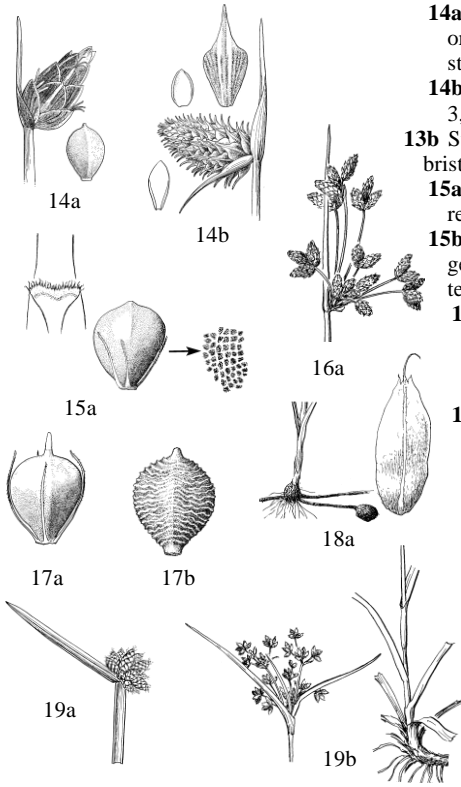
## References:

Hayasaka, E. 2012. Delineation of *Schoenoplectiella* Lye (Cyperaceae), a genus newly segregated from *Schoenoplectus* (Rchb.) Palla. Japanese Journal of Botany. 87: 169–186.

## CYPERACEAE Sedge Family

Infl capitata, umbellate, or pan, terminal or pseudolateral, with bract appearing to be a continuation of the st beyond the infl; fls much reduced, ♀ or ♂ (pls then monoecious or seldom dioecious), sessile in spikes or spikelets, apparently or truly axillary to small bracts (scales); perianth of 1–∞ (often 6) short or elongate bristles, or lacking; stamens gen 3, or only 1–2, in ours exerted at anthesis (pls wind pollinated); ovary superior, tricarpellate or less often bicarpellate, the style correspondingly 3- or 2-cleft; ovary 1-celled, 1-ovuled; fr an achene; fibrous-rooted, often rhizomatous herbs, often grasslike, the culm triangular to terete, solid or seldom hollow; lvs mostly 3-ranked and with closed (rarely open) sheath and parallel-veined, typically elongate and grasslike bl, or some or all lvs with reduced or no bl, ligs present or absent.





**14a** Stigmas gen 3, achenes gen trigonous or planoconvex; 1 scale per fl or achene; infl bract solitary and erect, apparently a continuation of the st, or obscure and scalelike  
**Isolepis**

**14b** Stigmas 2, achenes biconvex; 3 scales per fl or achene; infl bracts 1–3, spreading or erect  
**Lipocarpha**

**13b** Sts > 0.5 mm wide; pls gen per, cespitose or rhizomatous; perianth bristles gen present, gen scab (flat, smooth filaments present as well)

**15a** Lvs with ciliate lig and narrow, elongate bls; achene surface reticulate at 10×, smooth and glossy  
**Amphiscirpus**

**15b** Lvs with lig and smooth, bls present or absent; achene surface gen not reticulate at 10×, smooth and glossy or dull or papillose or textured or with wavy, transverse ridges

**16a** Infl subtended by a solitary, erect bract, apparently a continuation of the st, infl apparently lateral

**17a** Pls per, rhizomatous; achenes smooth  
**Schoenoplectus**

**17b** Pls ann, cespitose; achenes ridged  
**Schoenoplectiella**

**16b** Infl subtended by 1–several, gen spreading, lfy bracts, infl obviously terminal

**18a** Spikelet scales hairy on surfaces, at least when young, tips notched and awned; rhizomes with tubers or thickened at nodes; spikelets 10–40 × (4–)6–12 mm  
**Bolboschoenus**

**18b** Spikelet scales glab on surfaces, tips not both notched and awned; rhizomes without tubers, not thickened at nodes; spikelets 2–12 × 1–4 mm

**19a** Lf sheaths bladeless; spikelets sessile in a dense cluster; uncommon, intro sp. (*S. mucronata*)  
**Schoenoplectiella**

**19b** Lf sheaths with wide bls; spikelets sessile or peduncled and pan; common native spp.  
**Scirpus**