

KEYS TO TYPHACEAE, the Cattail Family

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- 1 Infl of 2+ globose heads, frs >1 mm wide; non-ovulate, pistillate fls (carpodia) lacking **1. *Sparganium***
- 1 Infl densely cylindrical, frs <0.2 mm wide; carpodia numerous, club-shaped, interspersed with ovulate pistillate fls **2. *Typha***

1. SPARGANIUM L.

- 1 Stigmas usu 2; mature fr apex truncate to rounded; pls emergent, ≤2+ m tall (subg. *Sparganium*) **5. *S. eurycarpum***
- 1 Stigma 1; mature fr apex acute; pls floating or emergent, ≤1 m tall (subg. *Xanthosparganium* Holmberg).
 - 2 Lvs flat; pls floating.
 - 3 Fr beak 0-1.5 mm; staminate head 1 (rarely 2).
 - 4 Fr beak 0.5-1.5 mm; pistillate heads all axillary ...
..... **9. *S. natans***
 - 4 Fr beak <0.5mm; some pistillate heads supra-axillary
..... **8. *S. hyperboreum***
 - 3 Fr beak 1.5-3 mm, staminate heads usu 2+.
 - 5 Infl branched; fr reddish; lvs pale beneath; staminate heads distinct **6. *S. fluctuans***
 - 5 Infl unbranched; fr green to tan, often red-dotted below; lvs green beneath; staminate heads confluent.
..... **3. *S. angustifolium***
 - 2 Lvs keeled to triangular in cross section; pls emergent.
 - 6 Pistillate heads all axillary (or subtending lf absent); infl branched or not.
 - 7 Fr glossy, beak 4-7 mm; branches usu with staminate heads only; anthers 1.1-1.4 mm **2. *S. androcladum***
 - 7 Fr dull, beak 1.5-5 mm; branches with pistillate and staminate heads; anthers 0.6-1.1 mm. **1. *S. americanum***
 - 6 1+ pistillate heads supra-axillary; infl unbranched.
 - 8 Staminate heads 3+, remote from distal pistillate head; pistillate heads usu spaced 5+ mm apart; fr beak 2-5.5 mm **4. *S. chlorocarpum***
 - 8 Staminate heads 1(-2), usu adjacent to distal pistillate head; pistillate heads clustered, lowest sometimes remote; fr beak 1-2 mm **7. *S. glomeratum***

2. TYPHA L.

- 1 Staminate and pistillate parts of infl contiguous or not;
pistillate bracteoles absent.
 - 2 Mature pls 1.5-3 m; staminate and pistillate parts of infl
contiguous; lvs \geq 10 mm wide**3. *T. latifolia***
 - 2 Mature pls 0.8-1.3 m; staminate and pistillate parts of
infl not contiguous; lvs \leq 4 mm wide**4. *T. laxmannii***

- 1 Staminate and pistillate parts of infl separated by gap;
pistillate bracteoles present.
 - 3 Pistillate part of infl medium- or dark-brown; pistillate
bracteole tips rounded or blunt, medium- or dark-brown;
mucilage glands absent from lf blade ... **1. *T. angustifolia***
 - 3 Pistillate part of infl cinnamon- to orange-brown;
pistillate bracteole tips mostly acute, straw-colored to
orange-brown; mucilage glands present near base of lf blade
..... **2. *T. domingensis***