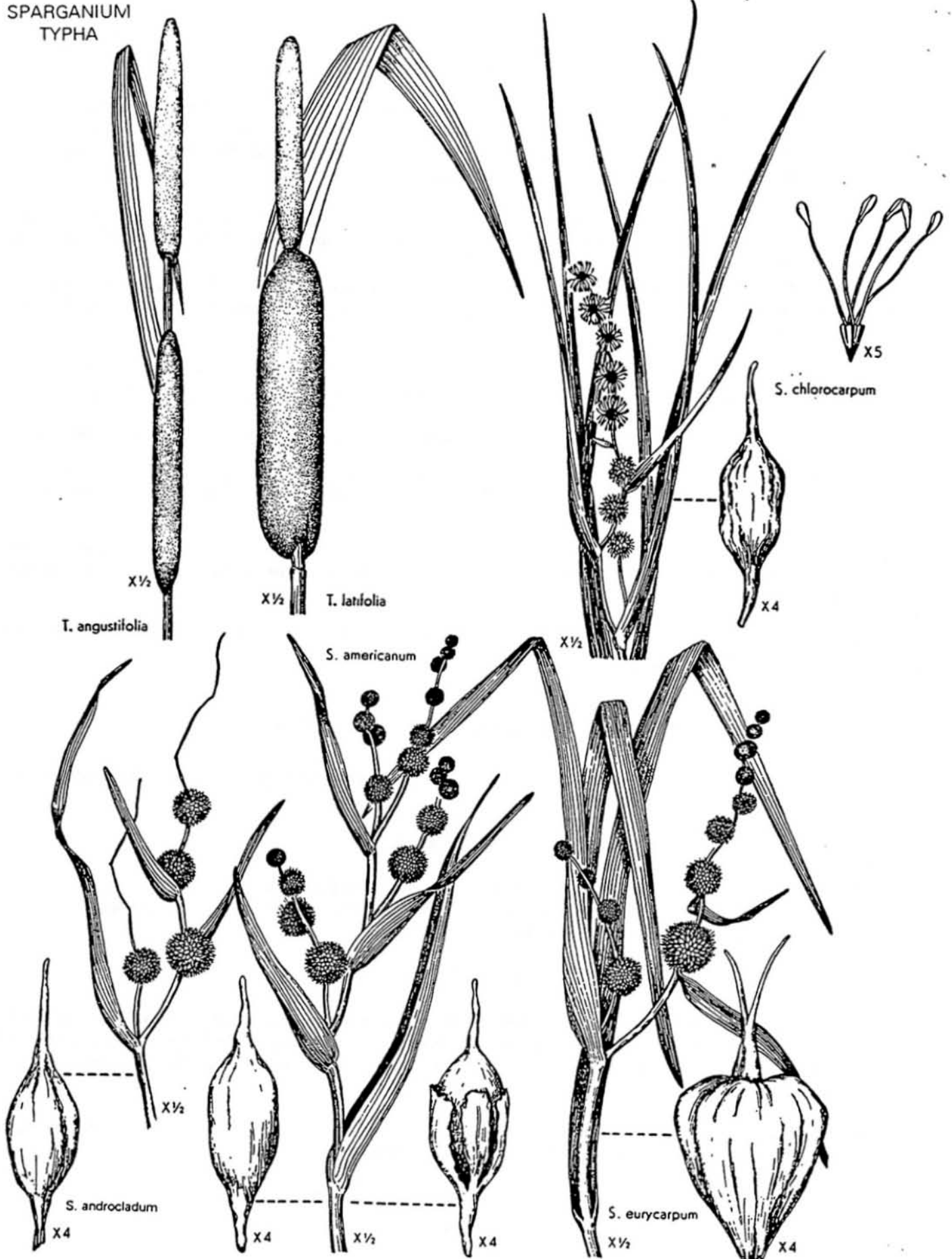


SPARGANIUM
TYPHA



TYPHACEAE, Cat-tail Family

1. TYPHA L. Cat-tail

Tall marsh or aquatic herbs with rhizomes; leaves linear, 2-ranked, basal and cauline, bases sheathing; flowers monosporangiate, in cylindric spikes, upper part of spikes staminate, lower part carpellate; staminate flowers of usually 3 united stamens, bractlets hairlike; carpellate flowers of 1 carpel, style elongate, stigma one-sided, stipe of ovary long-villous; ovule 1; sterile flowers among the fertile carpellate ones.

- a Staminate and carpellate parts of spike usually contiguous; pollen in tetrads; stigma lance-ovate, flat; tip of sterile flowers ellipsoid, exceeded by the hairs of the fertile flowers and concealed among them; mature spike greenish-brown. 1. *T. latifolia*
- a' Staminate and carpellate parts of spike usually separated; pollen not in tetrads; stigma linear; tip of sterile flowers an inverted cone, visible at surface of spike after stigmas have fallen; mature spike cinnamon-brown. 2. *T. angustifolia*

1. *Typha latifolia* L.

Common Cat-tail, Broad-leaved Cat-tail

Staminate and carpellate parts of spike usually contiguous, but not always; stigma lance-ovate, flat; tip of sterile flowers ellipsoid; mature spike greenish-brown.

REFERENCES: Sullivant 1840:45; Craig 1890:105 (common in the island swamps, 10 Jun 1884, 19 Jun 1887); Selby & Craig 1890:16; Braun 1967:20 (illus. p. 18).

HERBARIUM RECORDS: 7 Jun 1962—roadside ditch, Rt. 161 at Rt. 1, Sharon Twp., *E. Herrick*; 5 Aug 1989—ditch along Godown Rd., between Commerce Pl. & Le Anne Marie Circle, *Lowden 4257*; 8 Aug 1990—91-92-mi. signs coming NE on I-71, near Harrisburg, Pleasant Twp., *Lowden 4526*.

2. *Typha angustifolia* L.

Narrow-leaved Cat-tail

Staminate and carpellate parts of spike usually separated; stigma linear; tip of sterile flowers an inverted cone; mature spike cinnamon-brown.

REFERENCE: Riddell 1834:158 (marshes).

HERBARIUM RECORDS: 17 May 1982—ODNR, Fountain Sq., swampy depression in open field, *Forrest 47*; 28 Aug 1988—Highbanks Metro Park (Delaware Co.), marshy field, *Morawetz 896* (OS, OWU).

NOTE: Not mapped for Franklin Co. by Braun 1967:20 (illus. p. 18).

PONTEDERIACEAE, Water-hyacinth Family

Aquatic or marsh herbs; leaves or their petioles usually sheathing; flowers hypogynous, perfect; perianth segments 6, united; stamens on perianth-tube; ovary 3- or 1-loculed.

- a Stamens 6; flowers in spikes; perianth blue. 1. **PONTEDERIA**
- a' Stamens 3.
 - b Leaves narrowly linear; flower solitary; perianth yellow. 2. **ZOSTERELLA**
 - b' Leaves broader, reniform, long-petioled; flowers 2-8, only the terminal one sometimes extending beyond the tip of the spathe; perianth white or pale blue. 3. **HETERANTHERA**

1. PONTEDERIA L. Pickerel-weed

Cauline leaf solitary, similar to basal ones; blades cordate to tapering at base, ovate to linear-lanceolate; spike dense, subtended by a spathe-like bract; perianth about 1 cm long, blue, 2-lipped, the limb spreading, as long as or longer than the tube; stamens 6, 3 of them sometimes not perfect; filaments pubescent; ovary 3-loculed, 2 locules empty; fruit 1-seeded.

1. *Pontederia cordata* L.

Pickerelweed

Cauline leaf solitary, blades cordate at base; spike dense; perianth blue.

REFERENCE: Braun 1967:316 (illus. p. 315).