

Olentangy R., Cols., *DeLong* (mixed with *Spirodela polyrhiza*); 13 Oct 1991—W bank of Olentangy R., mudflat N of Lane Ave. bridge, S of Fawcett Center for Tomorrow, Clinton Twp., *Lowden 4876B* (mixed with *Spirodela polyrhiza*); 18 May 1992—Pickerington Pond, wetland wildlife area, S of Wright Rd. & E of Bowen Rd., Madison Twp., *Lowden 4965*; 6 Jul 1992—Pickerington Pond, wetland wildlife area, S of Wright Rd. & E of Bowen Rd., Madison Twp., *Lowden 4984* (mixed with *Spirodela polyrhiza*).

3. *Lemna obscura* (D.F.Austin) Daubs

Fronds gibbous, 3-nerved, more reddish on the lower surface than the upper, pigmentation beginning around the node; midnerve of upper surface with indistinct smaller papillae; tip of frond with a very distinct papilla; no turions present.

HERBARIUM RECORDS: 3 Oct 1907—canal at S Cols., *Detmers* (mixed with *Lemna minor*); 13 Jul 1993—OSU, pond behind Research Center, W side of Kinnear Rd., abundant, Cols., Clinton Twp., *Lowden 5080* (mixed with *Wolffia columbiana* & *W. borealis*).

NOTE: Not reported by Braun 1967:304.

4. *Lemna turionifera* Landolt

Fronds with distinct papillae along the midnerve, those at tip not larger than the proximal ones; lower surface more intensely red-pigmented; turions rootless, olive-brown, sinking to the bottom of the water.

HERBARIUM RECORDS: [ca. 1834]—Cols., [*Lapham*] (URB); 25 Apr 1929—Bumgardner's Pond, *Hicks* (mixed with *Lemna minor*, *Lemna trisulca* & *Wolffia columbiana*); 31 May 1990—Pickerington Pond, wetland wildlife area, S of Wright Rd. & E of Bowen Rd., Madison Twp., *Lowden 4363* (mixed with *Lemna perpusilla*); 22 Aug 1990—Quarry Place, E side of Scioto R. off Rt. 33 just S of Rt. 161, Perry Twp., *Lowden 4561*.

NOTE: Not reported by Braun 1967:304.

5. †*Lemna perpusilla* Torr.

Minute Duckweed

Fronds floating, without reddish color; thallus often with 2-3 papillae along the midnerve bigger than the papillae near the tip of frond; wing of root sheath 2-3 times as long as wide; tip of root sharply pointed.

HERBARIUM RECORDS: 4 Oct 1890—Central College, *E. V. Wilcox* (mixed with *Lemna minor*, *Lemna trisulca* & *Spirodela polyrhiza*); 22 Aug 1899—S Cols., *Selby* (mixed with *Lemna minor* & *Spirodela polyrhiza*); 31 May 1990—Pickerington Pond, wetland wildlife area, S of Wright Rd. & E of Bowen Rd., Madison Twp., *Lowden 4363* (mixed with *Lemna turionifera*).

NOTE: Not mapped for Franklin Co. by Braun 1967:304.

3. WOLFFIA Horkel

Thallus minute, to 1.5 mm long, globose or ellipsoid, rootless, nerveless, the individuals separating soon after budding.

a Lower surface rounded, upper surface flat; symmetric; brown-dotted; papilla 1, at one end. 1. *W. borealis*

a' Both upper and lower surface rounded, usually 3 papillae along upper median line. 2. *W. columbiana*

1. *Wolffia borealis* (Engelm.) Landolt

Dotted Wolffia

Thallus oblong, flattened above, upper surface above water, brown-punctate; papilla at one end.

HERBARIUM RECORD: 13 Jul 1993—OSU, pond behind Research Center, W side of Kinnear Rd., Cols., Clinton Twp., *Lowden 5080* (mixed with *Lemna obscura* & *Wolffia columbiana*).

NOTE: Not mapped for Franklin Co. by Braun 1967:307 (illus. p. 306). The name *Wolffia punctata* Griseb., used by many North American authors for *W. borealis*, is a synonym of *W. brasiliensis* Wedd.

2. *Wolffia columbiana* H.Karst.

Common Wolffia

Thallus rounded above and below; the upper surface mostly under the water, not punctate, bearing several papillae.

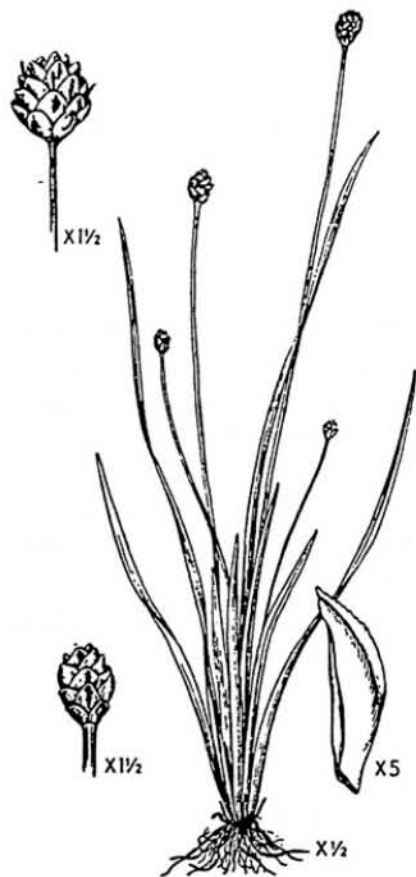
HERBARIUM RECORDS: 25 Apr 1929—Bumgardner's Pond, *Hicks* (mixed with *Lemna minor*, *L. trisulca* & *L. turionifera*); 25 May 1929—Bumgardner's Pond, *Hicks* (mixed with *Lemna trisulca* & *Spirodela polyrhiza*); 13 Jul 1993—OSU, pond behind Research Center, W side of Kinnear Rd., abundant, Cols., Clinton Twp., *Lowden 5080* (mixed with *Lemna obscura* & *Wolffia borealis*).

NOTE: Not mapped for Franklin Co. by Braun 1967:306.

XYRIDACEAE, Yellow-eyed-grass Family

1. XYRIS L. Yellow-eyed-grass

XYRIS
 TRADESCANTIA
 COMMELINA
 JUNCUS



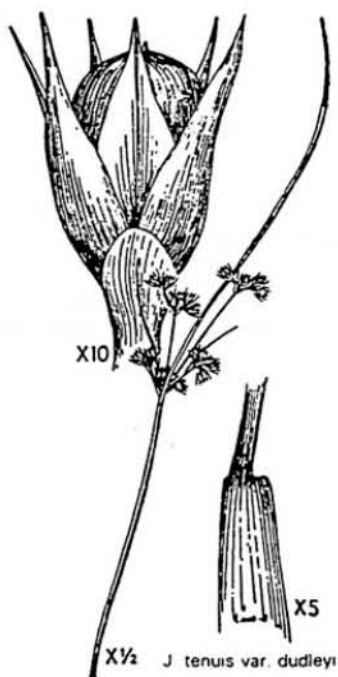
X. caroliniana



T. virginiana



X½



X10

X½ *J. tenuis* var. *dudleyi*



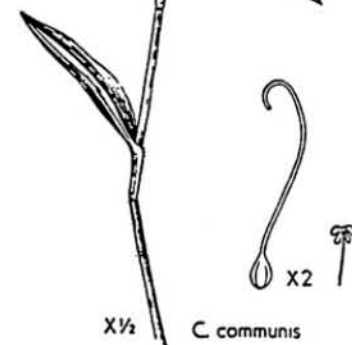
var. *tenuis*

X5

J. tenuis

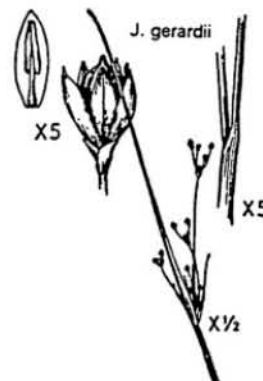
X½

X10



X½

C. communis



X5

J. gerardii

X5

X½

Leaves basal or nearly so, linear or linear-lanceolate; flowers perfect; hypogynous, bracted, in ovoid heads or spikes 5-15 mm long; sepals 3, one larger; petals 3, yellow; stamens 3; staminodes 3; capsule 1-loculed; placentae 3, parietal.

1. †*Xyris difformis* Chapm.

Yellow-eyed Grass

Leaves and scape not conspicuously twisted; lateral sepals with erose keel; base of plant soft, not hard and bulbous.

REFERENCE: Riddell 1834:158 (*Xyris caroliniana*, wet prairies).

NOTE: No specimens seen from Franklin Co. Not mapped for Franklin Co. by Braun 1967:309 (illus. p. 308).

COMMELINACEAE, Spiderwort Family

Leaves sheathing at base, entire; flowers hypogynous, perfect, clustered, ephemeral; sepals 3, green; petals 3, sometimes unequal; stamens 6, some of them sometimes sterile; carpels 3, united; ovary 3-loculed; ovules 1-few in each locule or 1 locule empty; style 1, stigma 1; fruit a capsule.

a Fertile stamens 6; corolla regular. 1. TRADESCANTIA

a' Fertile stamens 3; corolla zygomorphic. 2. COMMELINA

1. TRADESCANTIA L. Spiderwort

Inflorescence subtended by a leaflike bract; sepals often somewhat tinged with rose-purple; petals 1-2 cm long, blue, rose, or white; filaments bearded.

1. *Tradescantia virginiana* L.

Virginia Spiderwort

Leaves not glaucous; blade little, if any, wider than circumference of sheath; petiolelike base absent; fertile stamens 6; corolla zygomorphic; pedicels and sepals hairy, not viscid. Syn.: *T. virginica* L.

REFERENCES: Riddell 1834:158 (dry prairies); Sullivant 1840:44; Selby & Craig 1890:16.

HERBARIUM RECORDS: 1840—Cols., Sullivant; Apr 1890—Olentangy Villa, Cols., Selby; 1 Jun 1890—Olentangy, Cols., Selby; 6 Jun 1891—Morgans Station, Selby; 22 May 1899—Big Darby, Selby; 1 Jun 1963—alley between Lane Ave. & Northwood Ave., Cols., Cusick; 21 May 1986—Park of Roses, Cols., Blanco; 26 May 1986—hilly woodland, N of Alkire Rd. & Gardner Rd., Yang 201; 22 May 1988—alley between E. Norwich Ave. & Northwood Ave., Cols., Kelly 18; 14 May 1992—Cedar Ridge, Battelle Darby Metro Park, Pleasant Twp., Lowden 4942.

NOTE: Not mapped for Franklin Co. by Braun 1967:314 (illus. p. 312). Braun incorrectly mapped *Tradescantia ohioensis* Raf., perhaps based on Cusick's specimen which is *Tradescantia virginiana*.

2. COMMELINA L. Dayflower

Inflorescence subtended by a cordate-ovate folded spathe; sepals of unequal size, slightly united; anthers of fertile stamens unlike, 3 stamens sterile; filaments glabrous; one locule of ovary sometimes without an ovule.

1. **Commelina communis* L.

Common Dayflower, Asiatic Dayflower

Naturalized (native of E Asia)

Inflorescence subtended by a folded heart-shaped spathe; stamens 6, 3 sterile; corolla zygomorphic, larger two upper petals blue, ovate, smaller lower petal white or pale.

HERBARIUM RECORDS: 30 Aug 1903—Cols., cult., Wetzstein (MU); 23 Jun 1920—Cols., a weed in yards & gardens, J. H. Schaffner; 19 Aug 1982—Blendon Woods, Owens; 6 Sep 1986—Highbanks Metro Park (Delaware Co.), edge of Olentangy R., Witsberger 927 (OS, OWU); 24 Aug 1989—E side of Olentangy R., along Starret Rd. near jct. with Henderson Rd., Clinton Twp., Lowden 4288.

NOTE: Not mentioned for Franklin Co. by Braun 1967:311 (illus. p. 312).

JUNCACEAE, Rush Family

Annual or perennial grasslike or sedgelike herbs; leaves linear, sometimes auricles at summit of sheath; flowers small, hypogynous, perfect; individual flowers or glomerules of flowers in cymes, spikes, or umbels; sepals and petals 3 each, separate, regular, glumelike, green, brown, or red; stamens 6 or 3; style 1; stigmas 3; carpels 3, united; ovary 3- or 1-loculed; fruit a capsule.