

19. CLITORIA L. Butterfly-pea

Glabrous erect or twining herb; leaves pinnate; stipules subulate; leaflets 3, ovate to ovate-lanceolate, with stipels; flowers 4-6 cm long, axillary, solitary or 2 together on a peduncle, each with 2 bractlets; corolla pale blue; standard much longer than remainder of corolla; keel shorter than wings, coherent with them, incurved; stamens monadelphous below; legume stipitate, several-seeded.

1. †*Clitoria mariana* L.

Butterfly-pea

REFERENCE: Riddell 1834:118 (open woods).

NOTE: No specimens seen from Franklin Co.

20. APIOS Fabr. Ground-nut

Twining herbs; rhizomes with tubers; leaves pinnate, stipules small, leaflets 5-7, ovate to lanceolate, acute or acuminate, stipels obscure; flowers 1 cm or more long, bracted, in axillary peduncled racemes; upper lobes of calyx minute, lowest lobe longest; corolla brown-purple, keel strongly incurved; stamens diadelphous; fruit several-seeded.

1. *Apios americana* Medik.

Common Ground-nut

Herb, stems twining, rhizome bearing tubers; leaves pinnately compound; leaflets 5-7, lanceolate to ovate; stipules minute; racemes short; calyx-tube broadly hemispheric, 4 upper lobes obsolete, the lower one lance-triangular; corolla brown-purple, standard broader than long, rounded at summit; stamens 10; fruit 5-10 cm long. Syn.: *A. tuberosa* Moench

REFERENCES: Riddell 1834:118 (bottomland); Sullivant 1840:19; Selby & Craig 1890:9; Selby 1891a:111a (#165 Re-collected).

HERBARIUM RECORDS: 1840—Cols., *Sullivant*; 20 Apr 1902—Simpson's Prairie, tubers from muck swamp, coll.?

21. AMPHICARPAEA Elliott Hog-peanut

Slender twining herb; leaves pinnate; leaflets 3, ovate, with stipels; flowers without corolla or with small corolla present near base of plant in addition to petaliferous flowers in axillary racemes or panicles from upper part of plant; corolla pale purple to white, small, each pedicel bracted; pods from upper flowers usually 3-seeded, those at base of plant or below ground usually 1-seeded.

1. *Amphicarpaea bracteata* (L.) Fernald

Hog-peanut

Herb, stem often twining; leaves 3-foliolate; leaflets acute, entire, with stipels; flowers in short racemes; pedicels subtended by wide striate bracts with truncate summit; racemes short, dense; corolla zygomorphic, pale purple to whitish; styles glabrous except sometimes at base; legume flat, oblong, pointed at both ends, mostly 3-seeded. Syn.: *A. monoica* L.

REFERENCES: Sullivant 1840:18; Craig 1890:76 (In the SW part of the island; rather common, climbing upon the surrounding plants); Selby & Craig 1890:9.

HERBARIUM RECORDS: 11 Aug 1882—Neils Run, Cols., *W. Green*; 1890?—Indianola Place, Cols., *Selby*; 17 Aug 1890—Georgesville, *Bogue*; 7 Sep 1890—Lake Park, Cols., *Selby* (WOOS); 7 & 9 Sep 1890—Lake Park, Cols., *Selby*; 20 Aug 1892—Cols., *Bogue*; 23 Aug 1899—Scioto R., Cols., *Selby*; 7 Sep 1899—Worthington, *Selby*; 20 Oct 1934—Bexley, beech woods, *Gordon & J. H. Schaffner*; 28 Aug 1982—Blendon Woods, *Owens*; May 1986—Highbanks Metro Park (Delaware Co.), *Watts*; 22 Aug 1986—Highbanks Metro Park (Delaware Co.), woods, *Watts 345* (OWU).

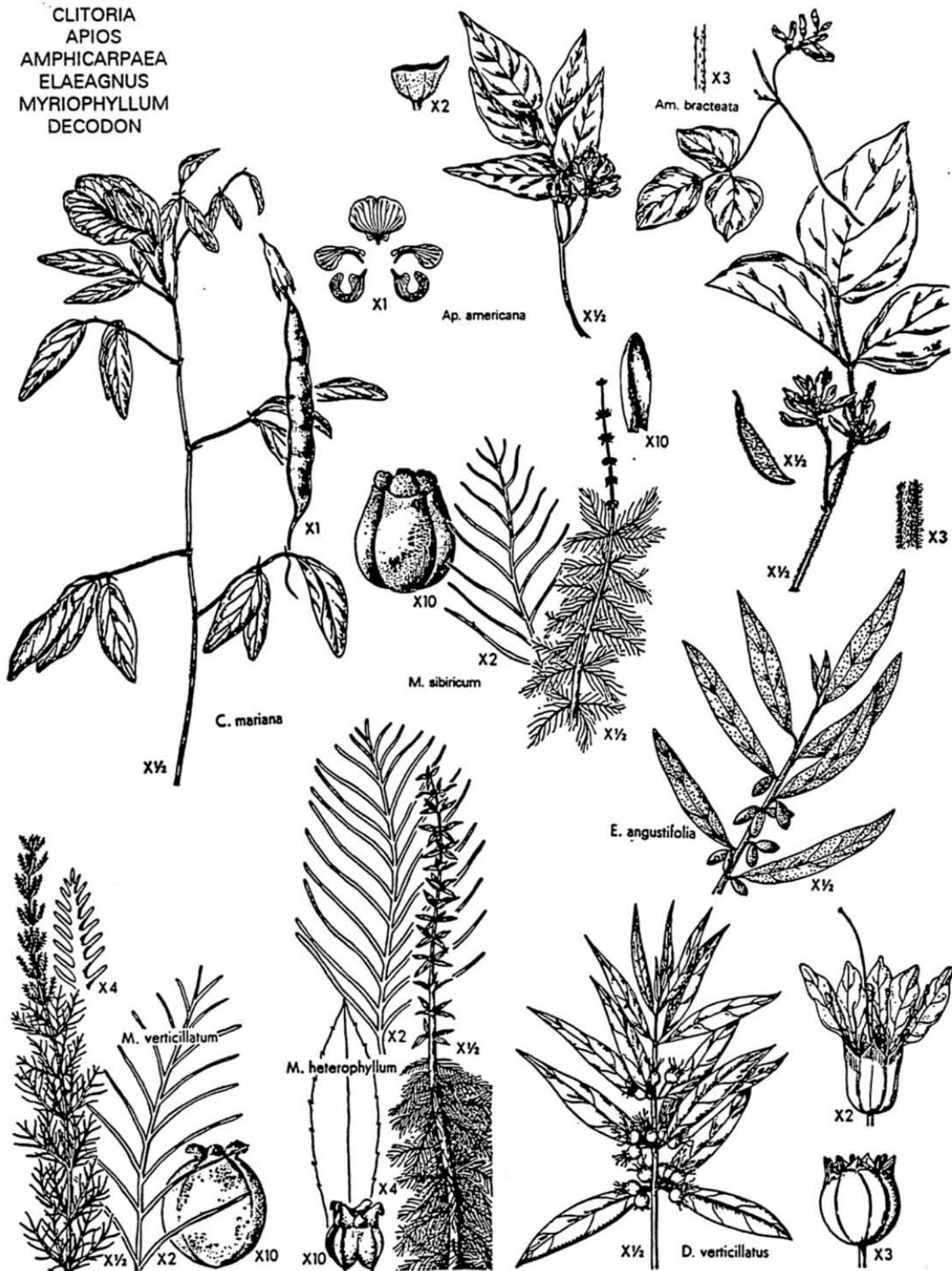
NOTE: Specimens are highly variable in pubescence (Cronquist, p. 305), but scarcely divisible into vars.

ELAEAGNACEAE, Oleaster Family

Shrubs; stems and simple entire leaves covered with silvery or golden-brown scales; flowers perigynous, monosporangiate or bisporangiate, in small lateral clusters; hypanthium of carpellate and bisporangiate flowers tubular; calyx regular, sepals 4; petals none; carpel and ovule 1; fruit covered by persistent base of hypanthium, hence appearing drupelike.

1. ELAEAGNUS L. Oleaster

CLITORIA
APIOS
AMPHICARPAEA
ELAEAGNUS
MYRIOPHYLLUM
DECODON



Flowers bisporangiate or some of them monosporangiate, on twigs of current season; hypanthium tubular, constricted above ovary; leaves alternate; stamens 4.

- a Leaves lanceolate, silvery scales on both sides; calyx tube slightly longer than lobes; fruit yellow, stalks 2-4 mm long. **1. *E. angustifolia***
a' Leaves elliptic to ovate or lanceolate, green and somewhat glabrescent above, silvery scales beneath; calyx tube at least 2 times as long as lobes; fruit red, stalks 3-5 mm long. **2. *E. umbellata***

1. **Elaeagnus angustifolia* L.

Russian-olive, Oleaster

Planted Ornamental (native of Eurasia)

Shrub or small tree; leaves alternate, lanceolate or narrowly lanceolate; leaves and young branches covered with silvery scales only; fruit yellow with silvery scales.

HERBARIUM RECORDS: 7 Jun 1967—OSU campus, cult., Cols., *Cooke & Stuckey*; 12 May 1986—OSU, W Campus, Cols., *Blanco*; 18 May 1988—OSU, between Campus Loop Rd. & Howlett Hall parking lot, *Chinery 49*; 22 May 1988—W. Thurber Dr., Cols., *Kelly 27*; 3 Jun 1993—jct. of Bethel Rd. & Olentangy River Rd., Cols., Sharon Twp., *Lowden 5071*; 3 Jun 1993—S on Rt. 315, Lane Ave. exit, Clinton Twp., *Lowden 5072*.

NOTE: Not mapped for Franklin Co. by Cooperrider 1995:166.

2. **Elaeagnus umbellata* Thunb.

Autumn-olive

Planted Ornamental (native of E Asia)

Shrub or small tree; leaves alternate, elliptic to ovate-oblong; leaves and young branches with silvery and brown scales; fruit red.

HERBARIUM RECORDS: 24 Jul 1986—Highbanks Metro Park, scattered, *Kosko*; 25 May 1994—main entrance to Darby Creek Metro Park, 1665 Darby Creek Dr., *Stahl*.

NOTE: Planted in every Metro Park (pers. comm., Jim Stahl). Not mapped for Franklin Co. by Cooperrider 1995:166 (illus. p. 164).

HALORAGACEAE, Water-milfoil Family

Aquatic or marsh herbs; emerged leaves entire, toothed, or pinnatifid, submersed ones pinnatifid with linear or filiform segments; monoecious; flowers epigynous, bisporangiate or monosporangiate, sessile, axillary, solitary or few together; perianth regular; carpels 3-4, united, locules and ovules as many.

1. MYRIOPHYLLUM L. Water-milfoil

Submersed; leaves opposite or whorled; flowers small, 2-bracted, in axils of emerged leaves or bracts, the whole forming spikes, usually the carpellate below, the staminate above, and the bisporangiate in the transition zone; calyx of 4 sepals deeply parted in the staminate, toothed in the carpellate; petals 4 or none; stamens 4 or 8; carpels 4, separating at maturity, each 1-seeded, indehiscent; styles and stigmas separate.

- a Bracts, at least the lower, longer than flowers and fruits.
b Carpels in fruits smooth; stamens 8; bracts pinnatifid. **1. *M. verticillatum* var. *pectinatum***
b' Carpels in fruit rounded or keeled, beaked; stamens 4; bracts serrate to entire; stem stout. **3. *M. heterophyllum***
a' Bracts shorter than flowers and fruits; stamens 8; stems white in drying; carpels in fruit smooth or finely tubercled. **2. *M. sibiricum***

1. †*Myriophyllum verticillatum* L. var. *pectinatum* Wallr.

Whorled Water-milfoil

Aquatic herb; flower on emerged stems; bracts of inflorescence deeply pinnatifid.

HERBARIUM RECORD: 1840—Cols., *Sullivant*.

NOTE: *Sullivant* 1840:10 (*Myriophyllum* species?, sine fl. & fr.). Not mapped for Franklin Co. by Cooperrider 1995:197 (illus. p. 196).

2. †*Myriophyllum sibiricum* Kom.

Common Water-milfoil

Native to Naturalized (European)

Syn.: *M. exalbescens* Fernald, *M. spicatum*

REFERENCE: Craig 1890:79 (common in ponds around the island and in the lake).

NOTE: No specimens seen from Franklin Co. Not mapped for Franklin Co. by Cooperrider 1995:195 (illus. p. 196). Kellerman & Werner 1893:226-227 referred to #143 *Myriophyllum spicatum* on Craig's list as a doubtful identification and indicated "a thorough but unsuccessful search was made ... in the localities named, the same season that the list was published."