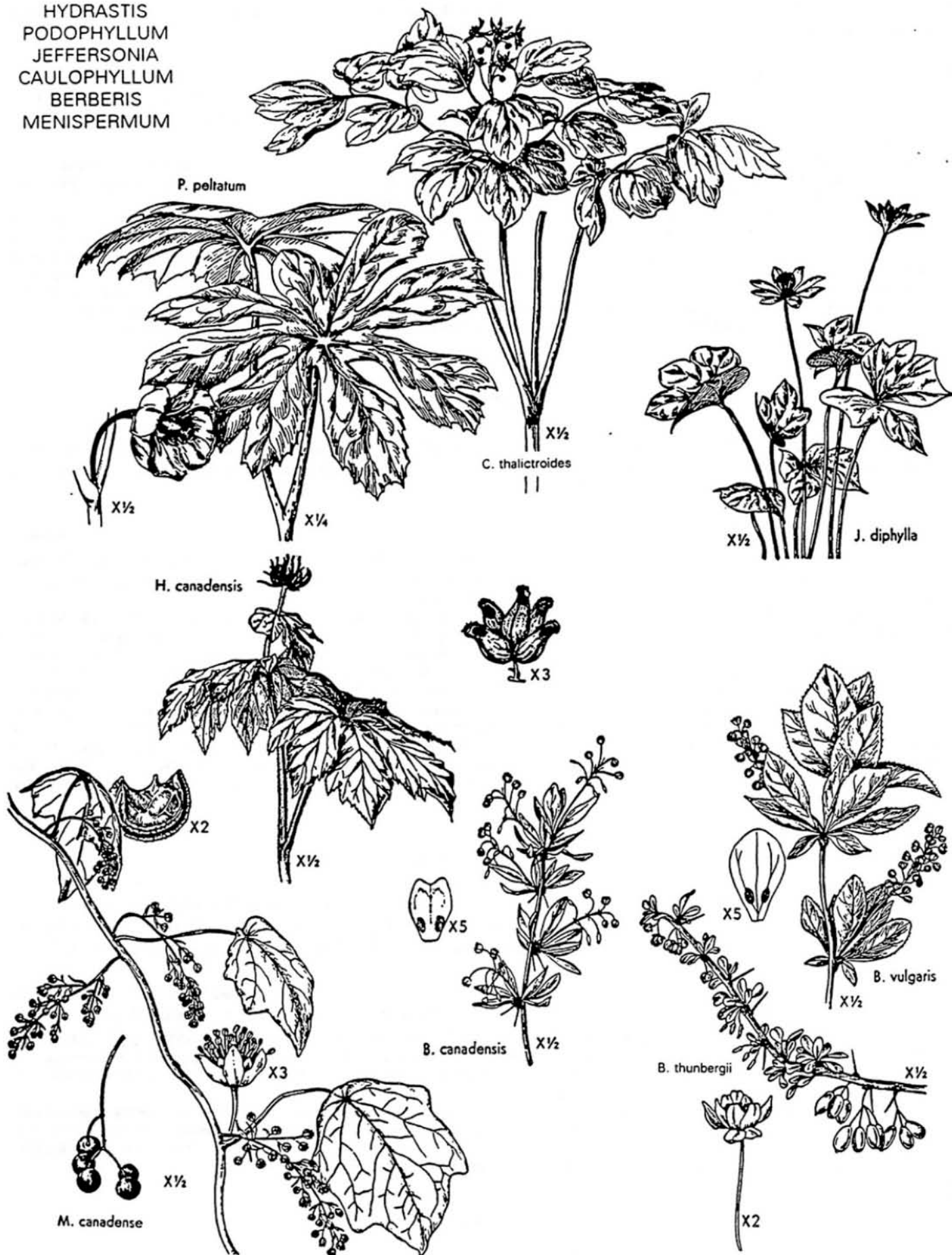


HYDRASTIS
PODOPHYLLUM
JEFFERSONIA
CAULOPHYLLUM
BERBERIS
MENISPERMUM



4. BERBERIS L. Barberry

Shrubs; foliage leaves on very short stems in axils of simple or 3-branched spines; sepals 6, petaloid, subtended by some bracts; petals 6, yellow, each with 2 glands at base; stamens 6; fruit a berry, 1-few-seeded.

The very variable *Berberis vulgaris* (Common Barberry; see Braun 1961:141) is included in the key below.

- a Leaf-blades entire; flowers in small umbels or solitary; spines unbranched or lateral branches short.
1. *B. thunbergii*
a' Leaf-blades toothed; flowers in many-flowered racemes, elongate; petals entire; spines often branched.
B. vulgaris L., Common B.

1. **Berberis thunbergii* DC.

Japanese Barberry

Locally naturalized-cultivated (native of Japan)

Shrub, spines usually simple; leaf-blades entire, obovate to spatulate; flowers in small umbels or solitary.

HERBARIUM RECORDS: 8 Oct 1955—Cleveland Ave., ¼ mi. S of Rt. 161, Blendon Twp., *E. Herrick*; 17 Jul 1971—W of Olentangy River Rd., approx. ½ mi. N of Henderson Rd., *Roberts 1339*; 1 May 1980—E bank of Olentangy R., 0.3 km N of Dodridge St. bridge, at mouth of Glen Echo Ravine, SE corner NW Cols. Quad., *W. Carr 2661*; 8 Apr 1986—W. Patterson Ave. close to Tuttle Park entrance, Cols., *Cooperband 21*; 22 Apr 1987—Highbanks Metro Park (Delaware Co.), floodplain secondary woods fencerow, *Morawetz*; 7 May 1988—5823 N. High St., Worthington, 1¼ mi. S of Rt. 161 & Rt. 23 intersection, cult., *M. Hoffman 58*; 8 May 1989—Overbrook Drive Ravine, just E of N. High St., Cols., Clinton Twp., *Lowden 4020*.

NOTE: See Braun 1961:141.

MENISPERMACEAE, Moonseed Family

1. MENISPERMUM L. Moonseed

Slender twining woody vine; leaves alternate, simple, blades broadly ovate to orbicular, cordate or truncate at base, entire to palmately-lobed, peltate, petiole attached near base of blade; dioecious; flowers minute, greenish, in axillary panicles; sepals 4-8; petals 6-8; stamens 12-24; carpels 2-4, separate; fruit an aggregate of drupes.

1. *Menispermum canadense* L.

Moonseed Vine, Moonseed

Twining vine or climber, half-woody; leaves peltate near the margins; blades entire to palmately-lobed, cordate or truncate at base; flowers minute, greenish, in axillary panicles; fruits bluish-black, poisonous. Moist woods & thickets. Fruits poisonous.

REFERENCES: Riddell 1834:117 (bottomland); Sullivant 1840:25; Craig 1890:64 (common along the river, S of the road, climbing upon trees and shrubs, it also grows along the brook near the barn and about the island on the river bank, but more sparingly than in the above locality, 4 Jun 1882, 5 Jun 1883, 6 Jun 1884, 26 May 1885, 29 May 1887, 18 Jun 1888); Selby & Craig 1890:7; Braun 1961:141 (illus. p. 140).

HERBARIUM RECORDS: Jun 1888—Cols., *Craig*; 6 Oct 1902—Cols., *Sanders*; Oct 1911—Westerville, woods, *Hanawalt*; [ca. 1982]—Blendon Woods, common, *Owens*; 26 May 1982—OSU, Kenny Rd., end of the Waterman farm complex, growing on fence at the far S end of the farm among grape vines, Cols., *D. Wilson 56*; 5 Jun 1987—Tuttle Park, E bank of the Olentangy R., between the Lane Ave. & Dodridge St. bridges, mesic woods on floodplain, *T. Lammers 6108*; Jul 1987—Highbanks Metro Park (Delaware Co.), woodlands & along streams, *Kosko 73* (OS, OWU); 25 May 1991—W bank of Scioto R., S of Greenlawn Ave. bridge, woody thicket area, Lou Berliner Park, Franklin Twp., *Lowden 4638*.

PAPAVERACEAE, Poppy Family

Herbs, sometimes with milky juice; leaves alternate or basal, rarely opposite; flowers hypogynous, bisporangiate; sepals 2 or 3, minute or early deciduous; corolla regular (or each whorl regular); petals 4 to many or rarely none, separate; stamens several to many; carpels 2 to many, united, stigmas as many; ovary 1-loculed or occasionally 2-loculed as result of a false septum; placentae parietal; ovules several to many; fruit a capsule.

Two species persisting after cultivation are *Argemone mexicana* L. (Mexican Poppy of tropical America), an annual having spiny foliage, usually blotched with paler green, flowers yellow or cream, closely subtended by upper leaves (15 Oct 1900—Fisher's Mills, *S. Weber*); and *Eschscholzia californica* Cham. (California Poppy), with leaves ternately