

TOXICODENDRON
COTINUS
AILANTHUS
ZANTHOXYLUM



HERBARIUM RECORDS: 17 Sep 1892—Cols., *Werner* (CLM, OS); Jun 1893—near Cols., *E. M. Wilcox*; Oct 1897—Cols., *Riddle*; Fall 1903—Cols., *J. H. Schaffner*; 18 May 1986—Cols. Alley between 12th & 13th Ave., near Summit St., *Hollander 039*; 15 Jul 1988—Highbanks Metro Park (Delaware Co.), sandbars along Olentangy R., *Watts 444* (OS, OWU); 22 Sep 1991—end of Oxford St., S of 11th Ave., Clinton Twp., *Lowden 4856*.

RUTACEAE, Rue Family

Shrubs and small trees with alternate gland-dotted leaves; flowers hypogynous, bisporangiate or monosporangiate; perianth regular; petals separate.

Phellodendron amurense Rupr. (Corktree, native of E Asia), with wide-spreading branches and fissured corky bark, is a specimen tree on the OSU Campus (#30, A Walking Tour).

a Leaves pinnately compound; carpels separate; fruit an aggregate of follicles. 1. ZANTHOXYLUM

a' Leaves 3-foliolate; carpels united; fruit a samara. 2. PTELEA

1. ZANTHOXYLUM L. Prickly-ash

Shrub; leaves pinnately compound; stems and sometimes petioles prickly; dioecious; flowers small, in axillary clusters, appearing before the leaves; calyx none; petals 4-5; stamens 4-5 in staminate flowers, on hypogynous disk; carpels 3-5, separate, becoming 1-2-seeded follicles.

1. *Zanthoxylum americanum* Mill.

Prickly-ash

Shrub; stems prickly; leaves pinnately compound, gland-dotted, tips of leaflets notched; flowers small, in axillary clusters appearing before the leaves. Thickets. Syn.: *Xanthoxylum americanum* Mill., *X. fraxineum* Willd.

REFERENCES: Riddell 1834:119; Sullivant 1840:16; Craig 1890:72 (quite rare, and only a few specimens have been found within our limits; five small shrubs along the river bank W of the seed barn; last summer the only one in the woods was cut down, but it may start up again; 26 Apr 1882, 8 May 1884, 10 May 1885, 24 Apr 1889); Selby & Craig 1890:8; Braun 1961:230 (illus. p. 228); Cooperrider 1995:23 (illus. p. 24).

HERBARIUM RECORDS: 26 Aug 1890—Cols., *Werner* (CLM); 21 May 1892—Franklin Co., *Werner*; 7 Sep 1899—Worthington, *Selby*; 1 Sep 1911—3/4 mi. NE of Westerville, woods, *Hanawalt*; [ca. 1982]—Blendon Woods, *Owens*.

2. PTELEA L. Hop-tree

Shrub or small tree; leaves 3-foliolate, petioled; flowers bisporangiate or monosporangiate, in dense terminal compound cymes; carpellate flowers sometimes with rudimentary stamens; sepals 3-5; petals 3-5, small, greenish-white, stamens as many; ovary 2-loculed; fruit a flat 2-seeded samara.

1. *Ptelea trifoliata* L.

Hop-tree, Wafer-ash, Shrub Trefoil, Shrubby Trefoil

Shrub or small tree; leaves 3-foliolate, glossy, dotted below; petals small, greenish-white; fruits flat, roundish samara. Woody thickets.

REFERENCES: Riddell 1834:119; Sullivant 1840:16; Craig 1890:72 (a single tree 10 or 12 feet high is growing along the river bank W of the seed barn, 12 Jun 1887; a very rare plant about Cols.; one specimen grows 2 mi. N of the city near the river, and there is one growing in Goodale Park; these are the only ones I know of in the county); Selby & Craig 1890:8; Braun 1961:231 (illus. p. 228); Cooperrider 1995:23 (illus. p. 24).

HERBARIUM RECORDS: [date?]-N of Cols., *Craig*; 6 Jun 1891—near Harrisburg, *Selby*; 6 Jul 1891—near Morgan Station, *Selby*; Jun 1893—Cols., *Werner* (CLM); 5 Jun 1895—Cols., *W. Kellerman*; 20 Jun 1901—Marble Cliff, *Mead*; 22 Jul 1982—Scenic Nature Preserve, Highbanks Metro Park, floodplain, *Brauning 288*; 30 Jun 1991—E bank of Scioto R., 1/2 mi. N of Fishinger Rd. Bridge, Upper Arlington, Perry Twp., *Lowden 4749*; 31 May 1993—W bank of Scioto R., Lou Berliner Park, Scioto Blvd., just N of Greenlawn Ave. bridge, Franklin Twp., *Lowden 5063*.

ZYGOPHYLLACEAE, Creosote-bush Family

1. TRIBULUS L. Caltrop

Stems prostrate, leaves even-pinnate, opposite, stipuled, one at each node larger; flowers about 1 cm wide, hypogynous, bisporangiate, solitary in axils; perianth regular; sepals and petals 5, stamens 10, petals yellow; carpels 5, united; style 1; ovary 5-loculed; fruit splitting into 5 segments, each with 2 spines and a band of tubercles.

PTELEA
TRIBULUS
OXALIS

