

a' Leaf-blades circular, entire; sepals longer than wide. 2. *P. rotundifolia*

1. *Pyrola elliptica* Nutt.

Shinleaf, Wintergreen

REFERENCES: Riddell 1834:154 (open woods); Sullivant 1840:26; Selby & Craig 1890:12.

NOTE: No specimens seen from Franklin Co. Not mapped for Franklin Co. by Cooperrider 1995:250 (illus. p. 251).

2. *Pyrola rotundifolia* L. var. *americana* (Sweet) Fernald Round-leaved Wintergreen, Wild Lily-of-the-valley

Evergreen; leaves basal, margins subentire; blades about equalling length of petioles, mostly orbicular; petals white; sepals oblong-lanceolate, twice as long as wide; styles declining.

REFERENCE: Riddell 1834:154 (open woods).

HERBARIUM RECORD: 1840—Cols., Sullivant.

NOTE: Sullivant 1840:26 and Selby & Craig 1890:12 reported on plants collected in adjacent counties. Not mapped for Franklin Co. by Cooperrider 1995:252 (illus. p. 251).

MONOTROPACEAE, Indian Pipe Family

Plants without chlorophyll; flowers hypogynous, perfect, solitary or in racemes; sepals separate or united at base; petals separate, waxy, corolla regular; anthers opening by slits; pollen grains single; carpels united; style 1, stigma broad, peltate; placentae axile; fruit a capsule.

1. MONOTROPA L.

Without chlorophyll; stem with alternate scales or bracts; sepals 2-5 or none; petals 4-5; stamens 8-10; ovary 4-5-loculed.

a Plants white; flower solitary. 1. *M. uniflora*

a' Plants yellow or reddish; flowers in racemes. 2. *M. hypopithys*

1. *Monotropa uniflora* L.

Indian-pipe, Corpse Plant

Plants similar to *Monotropa hypopithys* except white; flower white, solitary and nodding.

REFERENCES: Riddell 1834:154 (dense and shady woods); Sullivant 1840:26; Selby & Craig 1890:12; Cooperrider 1995:252 (illus. p. 251).

HERBARIUM RECORDS: 5 Aug 1890—W. J. Green's, W. Fifth Ave., Cols., Selby; 7 Aug 1890—Rocky Fork near Gahanna, Selby; 7 Oct 1906—Cols., Hawkins; 26 Oct 1907—Flint, Griggs; 7 May 1909—Franklin Co., J. H. Schaffner; 9 Jul 1982—Scenic Nature Preserve, Highbanks Metro Park (Franklin & Delaware Cos.), Robertson 247; 11 Jul 1982—Scenic Nature Preserve, Highbanks Metro Park (Franklin & Delaware Cos.), G. Moore 248; 9 Jul 1989—Highbanks Metro Park (Delaware Co.), woods SE of ranger station, nature center in Oak Coves picnic area, Watts 486 (OS, OWU); 16 Jul 1989—Highbanks Metro Park (Delaware Co.), Shale Creek woods, Morawetz (OS, OWU); 28 Jun 1990—Hoover Dam Park, woodland area N of entrance off of Cabbage Rd., Blendon Twp., Lowden 4428.

2. *Monotropa hypopithys* L.

Pinesap

Parasitic plants without chlorophyll, brownish-yellow or reddish but darken with age or when dried; leaves in form of scales; flowers in a raceme. Syn.: *M. hypopitys* L.

REFERENCES: Selby 1891a:111a; Cooperrider 1995:252 (illus. p. 251).

HERBARIUM RECORD: 26 Aug 1982—Scenic Nature Preserve, Highbanks Metro Park (Franklin & Delaware Cos.), Robertson 246.

EBENACEAE, Ebony Family

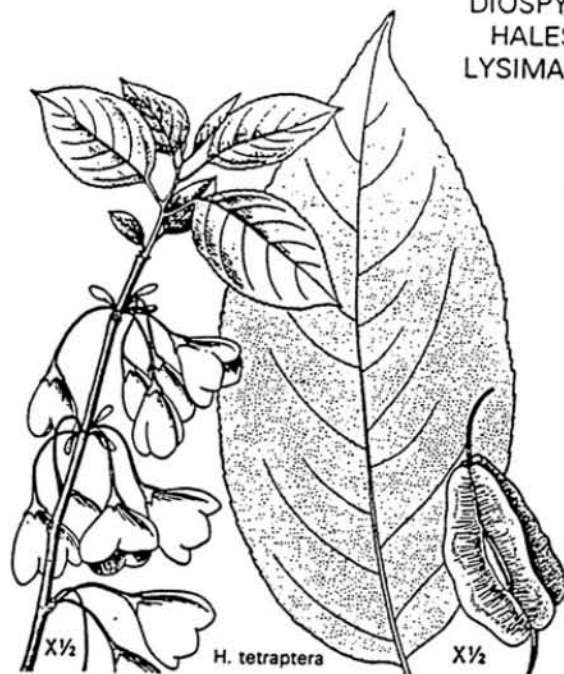
1. DIOSPYROS L. Persimmon

Tree; leaves alternate, simple, blades entire; flowers monosporangiate or bisporangiate, hypogynous; generally imperfectly dioecious; carpellate flowers axillary, solitary; staminate flowers usually smaller, sometimes in small clusters; sepals 4, united at base; corolla urceolate to campanulate, 4-lobed, pale yellow; stamens usually 16 in staminate flowers, 8 staminodes in carpellate flowers; carpels united, locules 8; styles 4, each 2-lobed; ovules 1-2 in each locule; fruit a berry.

1. *Diospyros virginiana* L.

Persimmon

DIOSPYROS
HALESIA
LYSIMACHIA



Native (or persisting from cultivation)

Tree; functionally dioecious; flowers minute, greenish-yellow; leaves alternate, simple; blades lacking teeth, usually widest at or below the middle; fruit a berry, dull-yellowish-orange.

REFERENCES: Sullivant 1840:27; Selby & Craig 1890:12; Braun 1961:304 (illus. p. 304); Cooperrider 1995:281 (illus. p. 283).

HERBARIUM RECORDS: Oct 1891—near Big Darby, Cols., Selby; [date?]-Westerville, Hicks; 6 Oct 1928—cult., OSU campus, Hicks.

STYRACACEAE, Storax Family

Shrubs or small trees; pubescence often stellate; leaves alternate, simple; flowers epigynous, bisporangiate; calyx entire or lobed; corolla regular; stamens twice corolla lobes or more, their bases united; carpels united, locules as many or ovary with septa at base only; style 1.

1. *HALESIA* J.Ellis Silverbell

Flowers in lateral umbel-like clusters, appearing with or before the leaves; pedicels drooping; calyx small, 4-toothed; corolla bell-shaped, 4-lobed, white, 2-2.5 cm long; stamens 8-16, inserted near base of corolla-tube; fruit 4-loculed, 4-winged, dry, indehiscent.

1. *†*Halesia tetraptera* J.Ellis

Silverbell

Cultivated (native to S Ohio)

Tree; leaves alternate, simple; flowers appear before the leaves; sepals and petals 4; corolla 4-lobed, white, bell-shaped; ovary inferior; fruit dry, indehiscent, 4-winged. Syn.: *H. carolina* L., perhaps misapplied

HERBARIUM RECORDS: 9 May 1940—OSU Garden, C. Jones; [date?]-NE of Oxley Hall, OSU, Cols., Cooke & Stuckey; 3 May 1988—OSU campus, S side of SW door into McPhearson Hall, cult., M. Hoffman 55.

NOTE: Not mapped for Franklin Co. by Braun 1961:305 (illus. p. 304) or Cooperrider 1995:282 (illus. p. 283).

PRIMULACEAE, Primrose Family

Herbs; leaves opposite, whorled, alternate, or all basal, simple or rarely pinnately dissected; flowers hypogynous or rarely epigynous; calyx usually 5-lobed (4-7); corolla regular; petals usually 5 (4-7), more or less united at base; stamens as many as petals and opposite them; staminodes sometimes present; carpels 5, united; locule 1; placenta central, free, style 1; fruit a capsule.

a Ovary partly inferior; flowers in terminal racemes or panicles. 3. **SAMOLUS**

a' Ovary superior.

b Petals reflexed; flowers in an umbel on a scape; leaves basal. 4. **DODECATHEON**

b' Petals spreading or erect; flowers not in an umbel; stem leafy.

c Corolla yellow. 1. **LYSIMACHIA**

c' Corolla scarlet, blue, pink, or white. 2. **ANAGALLIS**

1. *LYSIMACHIA* L. Loosestrife

Leaves whorled, opposite, or alternate, sometimes punctate; flower parts in 5's or 6's; petals yellow, sometimes dotted or lined with black or red; corolla campanulate to rotate.

Lysimachia clethroides Duby (native of E Asia) is found in gardens and persists after cultivation in Slate Run ravine (25 Jul 1992—Slate Run Wood Ct. off Henderson Rd., 1½ mi. E of Sawmill Rd., Perry Twp., Lowden 5010; 25 Jul 1993—6170 Middlebury Dr. W, James Lane's garden, cult., Worthington, Lane). It differs from other species by having leaves alternate; flowers are white in a slender terminal spike, the bracts longer than the pedicels.

a Staminodes alternating with the stamens; stamens separate; leaf-blades, petals, and sepals not dotted or lined.

b Blades ovate to lance-ovate, base rounded or subcordate; petioles ciliate. 1. *L. ciliata*

b' Blades linear to lanceolate, tapering to base, sessile or subsessile.