

VACCINIUM
GAYLUSSACIA
CHIMAPHILA
PYROLA
MONOTROPA



Trailing, evergreen; leaves narrow to broadly elliptic, up to 15 mm long; blades little whitened beneath; flowers from lower axils, pink; ovary inferior; fruit a berry, its pedicels bearing two small bracts above middle.

REFERENCE: Cooperrider 1995:269 (illus. p. 268).

HERBARIUM RECORDS: 1840—Cols., *Sullivant*; 29 May 1892—Licking R., Franklin Co., *Selby*.

NOTE: Licking R. locality doubtful for Franklin Co.

8. GAYLUSSACIA Humb., Bonpl. & Kunth Huckleberry

Shrub; blades oval or oblong, usually 2-5 cm long, resin-dotted; flowers in short racemes lateral on stems of previous season; corolla cylindrical-urceolate, red-tinged, less than 1 cm long; drupe black.

1. *Gaylussacia baccata* (Wangenh.) K.Koch

Black Huckleberry

Shrub; leaves deciduous, oblanceolate, covered with resinous dots; flowers green-red in lateral racemes; ovary inferior; fruit a black berry-like drupe.

REFERENCES: Braun 1961:297 (illus. p. 294); Cooperrider 1995:264 (illus. p. 266).

HERBARIUM RECORDS: 8 May 1899—Franklin Co., *Fullmer*; 15 Jun 1925—Flint, *R. Crane* (OWU); 1 Jun 1993—Flint Ravine, Camp Mary Orton, W of Rt. 23, N of Worthington, Sharon Twp., *Lowden 5067*.

NOTE: *Sullivant* 1840:26 (*Vaccinium resinsum* Aiton) and *Selby & Craig* 1890:12 (*Gaylussacia resinosa* Torr. & A.Gray) reported on plants collected in adjacent counties.

PYROLACEAE, Shinleaf Family

Low evergreen herbs; flowers hypogynous, perfect, in terminal clusters; sepals, petals, carpels, and locules usually 5; sepals separate or united at base; petals separate, waxy, corolla regular; stamens twice the petals; anthers opening by basal pores, but later bent back against filaments, pores then appearing apical; pollen in tetrads; carpels united; style 1, stigma broad, peltate; placentae axile; fruit a capsule.

a Flowers in corymbs or umbels; style none or very short; stem leafy. 1. CHIMAPHILA

a' Flowers in racemes; style conspicuous; leaves basal. 2. PYROLA

1. CHIMAPHILA Pursh Wintergreen

Nearly herbaceous; blades thick, shining, alternate or almost whorled; sepals 5; petals 5, pink or white; stamens 10; carpels and locules 5, stigma with crenate border.

a Leaf-blades oblanceolate, bright green; filaments ciliate. 1. *C. umbellata*

a' Leaf-blades lanceolate, mottled with white; filaments villous. 2. *C. maculata*

1. †*Chimaphila umbellata* (L.) Barton var. *cisatlantica* S.F.Blake

Prince's-pine, Pipsissewa

REFERENCE: Riddell 1834:154.

NOTE: No specimens seen from Franklin Co. Not mapped for Franklin Co. by Cooperrider 1995:248 (illus. p. 251).

2. *Chimaphila maculata* (L.) Pursh

Spotted Wintergreen, Spotted Pipsissewa

Evergreen; leaves cauline, ovate-lanceolate, variegated, whitish along midrib and lateral veins; flowers white in umbellate cluster.

REFERENCES: Riddell 1834:154; Braun 1961:285 (illus. p. 286); Cooperrider 1995:249 (illus. p. 251).

HERBARIUM RECORD: 28 May 1933—Indian Springs, *Hicks*.

NOTE: *Sullivant* 1840:26 (*Pyrola maculata* L.) and *Selby & Craig* 1890:12 reported on plants in adjacent counties.

2. PYROLA L. Wintergreen, Shinleaf

Evergreen herbs; leaves basal; sepals 5; petals 5, cream to white, 1 cm long or less; stamens 10; stigma 5-lobed or -rayed; style pointing downward, tip upturned; petals spreading; raceme not secund.

a Leaf-blades longer than wide, crenulate; sepals little if any longer than wide. 1. *P. elliptica*

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