

- a Seeds in 2 rows; fruits clavate, 1-2 mm wide; axis of raceme often glandular. **1. *D. pinnata***  
a' Seeds in 1 row in each locule; fruit linear, about 1 mm wide; axis of raceme usually finely pubescent but not glandular. **2. *D. sophia***

**1. †*Descurainia pinnata* (Walter) Britton var. *brachycarpa* (Richardson) Fernald** Tansy-mustard  
Stem erect, pubescence at least partly of branched hairs; leaf-blades pinnately compound or decomposed; petals yellow, sometimes pale; fruits clavate, 1-2 mm wide; seeds in 2 rows in each locule; axis of raceme glandular. Syn.: *Sisymbrium canescens* Nutt.

REFERENCES: Sullivant 1840:11; Selby & Craig 1890:8.

HERBARIUM RECORDS: 1840—Cols., *Sullivant*; 15 May 1989—OSU, Townsh[er]end Hall, in flowerbed, Neil Ave., SW Cols. Quad., *Cusick 28049*; 16 May 1989—along Highland Dr. RR tracks, W of Olentangy River Rd., & S of Henderson Rd., Clinton Twp., *Lowden 4060*; 30 May 1990—OSU Campus, parking lot near Campbell & Lazenby Halls, Cols., Clinton Twp., *Stuckey*; 30 Apr 1992—OSU campus, W of library, weedy flowerbeds, SW Cols. Quad., *Cusick 30167*; 13 May 1992—OSU Campus, Women's Field House behind Campbell Hall, Cols., *Stuckey*.

**2. \**Descurainia sophia* (L.) Webb** Herb-sophia  
Naturalized (native of Eurasia)

Stem erect, canescent throughout with branched hairs; leaf blades pinnately compound or decomposed; petals pale yellow; fruits linear, about 1 mm wide; seeds in 1 row in each locule; axis of raceme finely pubescent, not glandular.

HERBARIUM RECORD: 18 May 1980—about 5 plants in cinders along RR right-of-way behind (N of) Conrail Bldg. on N side of McKinley Ave., just E of Yale St., NE ¼ SW Cols. Quad., *W. Carr 2767*.

## ERICACEAE, Heath Family

Woody plants, mostly shrubs; leaves alternate or rarely some of them opposite or whorled, deciduous or evergreen; flowers hypogynous or epigynous, bisporangiate or rarely monosporangiate; calyx lobes 4 or 5, rarely sepals separate; corolla regular or slightly zygomorphic, petals 4 or 5, usually united; stamens usually as many or twice as many as petals, anthers sometimes awned, usually opening by terminal pores which are often at ends of slender tubes; carpels 4-10, united, locules as many or rarely twice as many by false septation; style and stigma 1; placentae axile; fruit a capsule, berry, or drupe.

- a Flower hypogynous.  
b Corolla funnelform, salverform, campanulate, or bowl-shaped, lobes at least 1/3 as long as tube or, if lobes are shorter, then anthers inserted in pockets of corolla during early anthesis.  
c Prostrate, pubescent, somewhat shrubby; corolla salverform with slender tube; anthers opening lengthwise. **6. EPIGAEA**  
c' Upright shrubs; anthers opening by terminal pores.  
d Corolla campanulate or funnelform, without pockets. **1. RHODODENDRON**  
d' Corolla bowl-shaped, with 10 pockets in which anthers are inserted at early anthesis. **2. KALMIA**  
b' Corolla urn-shaped, cylindrical, or globose, somewhat narrowed at tip, teeth or lobes short.  
e Deciduous small trees and shrubs. **3. OXYDENDRUM**  
e' Evergreen shrubs.  
f Lower leaf-surface covered with small scales; anthers awnless. **4. CHAMAEDAPHNE**  
f' Leaf-surface without scales; anthers awned or appendaged. **5. GAULTHERIA**  
a' Flower wholly or partly epigynous.  
g Corolla 5-toothed or -lobed; upright shrubs.  
h Corolla campanulate; leaves not resin-dotted. **7. VACCINIUM**  
h' Corolla urn-shaped, cylindrical, or globose, teeth short.  
i Blades resin-dotted. **8. GAYLUSSACIA**  
i' Blades not resin-dotted. **7. VACCINIUM**  
g' Corolla with 4 divisions; 2 small bracts remote from flower; stems slender, trailing. **7. VACCINIUM**

**1. RHODODENDRON L.** Rhododendron, Azalea

Shrubs or small trees; buds scaly; leaves alternate; flowers showy, in racemes or umbels; corolla regular to somewhat zygomorphic; stamens 5-10; style elongate; fruit a capsule.

Cultivated species found on the OSU Campus include *Rhododendron catawbiense* Michx. (Mountain Rose Bay) with lilac-purple flowers, stamens mostly included; *R. mucronatum* (Blume) G. Don, clothed with gray or rusty hairs; and *R. hinodegiri*, having brilliant crimson flowers.

1. †*Rhododendron maximum* L.

Rosebay Rhododendron, Great Rhododendron

Shrub, evergreen; leaves large, thick and leathery, oblanceolate; flowers pink to white, yellow-spotted; stamens 10.  
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 *Braun* 1961:289 (illus. p. 286) or *Cooperrider* 1995:256 (illus. p. 257).

2. KALMIA L. Laurel

Shrub; winter buds naked; blades evergreen, coriaceous, entire, mostly alternate; flowers showy, in terminal corymbs; corolla 2-2.5 cm wide, rose to white; filaments at early anthesis inserted in 10 deeply-colored pockets of corolla, later springing erect; style elongate; fruit a capsule.

1. *Kalmia latifolia* L.

Mountain Laurel, Calico-bush

REFERENCE: *Riddell* 1834:154 (rocky situations).

NOTE: No specimens seen from Franklin Co. Not mapped for Franklin Co. by *Braun* 1961:291 (illus. p. 292) or *Cooperrider* 1995:258 (illus. p. 261). *Sullivant* 1840:26 and *Selby & Craig* 1890:12 reported on plants collected in adjacent counties.

3. OXYDENDRUM DC. Sorrel-tree, Sourwood

Small tree; leaves alternate, deciduous, petioled; blades elliptic, finely serrate, acuminate, stiff hairs on midvein beneath; flowers small, in terminal paniced racemes on branches of current season, fruiting panicles persistent in winter; corolla ovoid, white; stamens 10, anthers opening by short clefts; fruit a capsule.

1. *Oxydendrum arboreum* (L.) DC.

Sorrel-tree

Syn.: *Andromeda arborea* L.

REFERENCE: *Riddell* 1834:154.

NOTE: No specimens seen from Franklin Co. Not mapped for Franklin Co. by *Braun* 1961:293 (illus. p. 292) or *Cooperrider* 1995:259 (illus. p. 262). *Sullivant* 1840:26 and *Selby & Craig* 1890:12 reported on plants collected in adjacent counties.

4. CHAMAEDAPHNE Moench Leather-leaf

Erect bog shrub; leaves alternate, evergreen; blades minutely crenulate, lower surface scurfy; flowers solitary in axils of smaller upper leaves, in terminal leafy raceme; corolla white, 6-7 mm long, cylindrical-urceolate; fruit a capsule.

1. †*Chamaedaphne calyculata* (L.) Moench var. *calyculata*

Leather-leaf

Evergreen shrub; leaves narrow oblong covered with brown scurf; flowers white, somewhat racemose; ovary superior; fruit a capsule.

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

NOTE: Not mapped for Franklin Co. by *Braun* 1961:293 (illus. p. 294) or *Cooperrider* 1995:260 (illus. p. 262).

5. GAULTHERIA L.

Small evergreen plants, scarcely woody; flowers solitary, in or near axils, 2 small bracts below calyx; stamens twice the petals; corolla usually white.

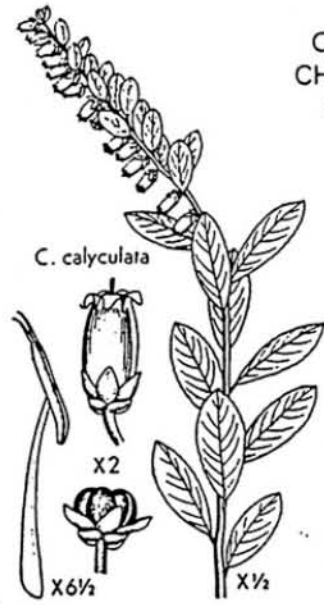
1. *Gaultheria procumbens* L.

Spicy Wintergreen, Creeping Wintergreen, Teaberry

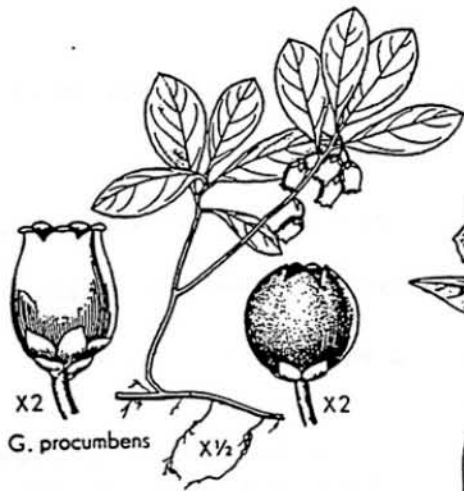
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OXYDENDRUM  
CHAMAEDAPHNE  
GAULTHERIA  
EPIGAEA  
VACCINIUM



*O. arboreum*



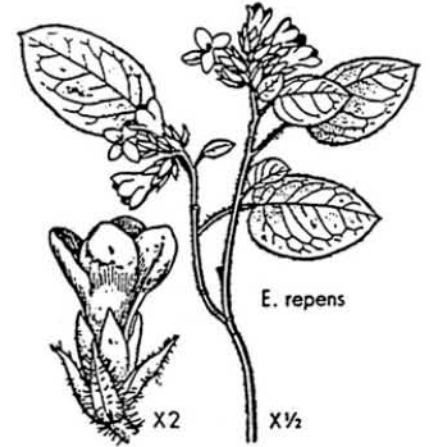
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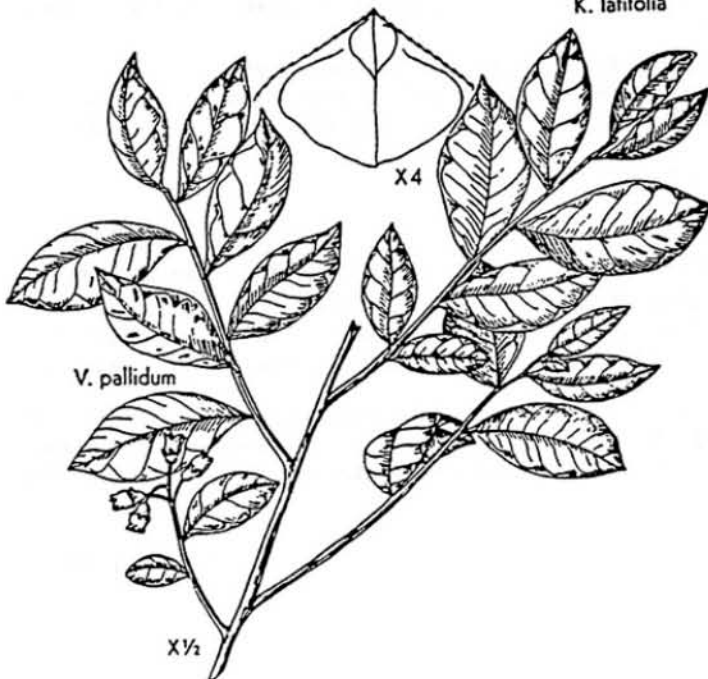
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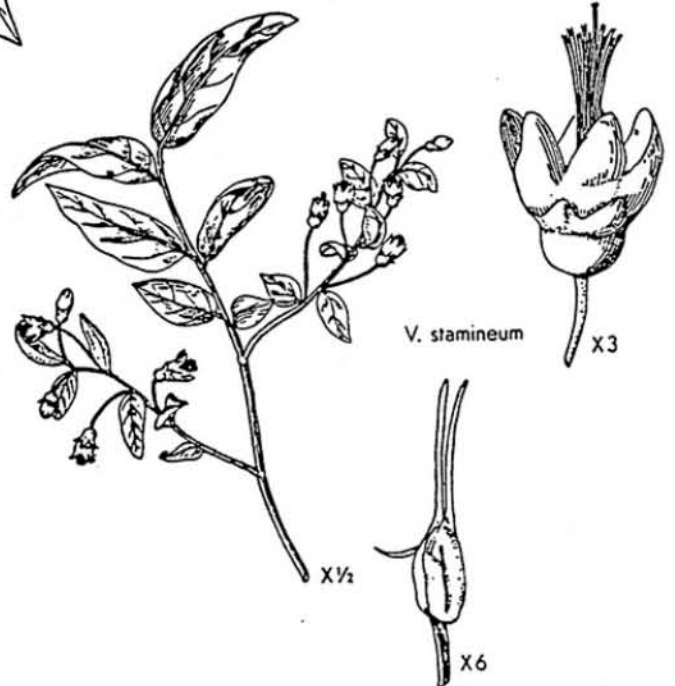
*K. latifolia*



*E. repens*



*V. pallidum*



*V. stamineum*

Plants evergreen; flowering stem low, leafy branches erect; leaves few, near top of short upright stems, 2-5 cm long, obovate to elliptic, obscurely serrate, aromatic; flowers white, parts in 5's; corolla urceolate, about 1 cm long; fruits red.

REFERENCES: Riddell 1834:154 (rocky situations); Braun 1961:295 (illus. p. 294); Cooperrider 1995:263 (illus. p. 262).

HERBARIUM RECORD: 27 Apr 1926—Flint ravine, *Waller*.

NOTE: Sullivant 1840:26 and Selby & Craig 1890:12 reported on plants collected in adjacent counties.

## 6. EPIGAEA L. Trailing Arbutus, Mayflower

Prostrate shrub; sometimes dioecious; blades evergreen, ovate or oblong, cordate or rounded at base, entire, petioles and usually blades pubescent; flowers bisporangiate or monosporangiate, fragrant, in small clusters, 2 bracts beneath calyx; corolla salverform, 1.5 cm long or less, pink to white; anthers dehiscent lengthwise, stamens 10; capsule fleshy.

### 1. *Epigaea repens* L.

Trailing Arbutus

Plant prostrate, evergreen; stems hairy; leaves ovate-oblong, hairy, somewhat cordate at base; flowers pink; ovary superior; fruit a capsule.

REFERENCE: Riddell 1834:154.

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 Braun 1967:295 (illus. p. 294) or Cooperrider 1995:260 (illus. p. 262).

## 7. VACCINIUM L. Blueberry, Deerberry, Cranberry

Shrubs; leaves alternate, deciduous or evergreen; stamens 8-10, anthers opening by terminal pores; berry 4-5-loculed or sometimes 8-10-loculed as result of false septation.

a Corolla 5-lobed or 5-toothed; upright deciduous shrubs.

b Corolla campanulate; stamens and style exerted; twigs not blistered, speckled, or granulate. (Deerberries)

1. *V. stamineum*

b' Corolla urceolate, cylindrical, or globose; stamens and style included; young twigs blistered, speckled, or granulate. (Blueberries) 2. *V. pallidum*

a' Divisions of corolla 4, linear, reflexed; evergreen; stems slender, trailing; leaves small, entire; berry red. (Cranberries) 3. *V. macrocarpon*

### 1. †*Vaccinium stamineum* L. var. *stamineum*

Deerberry, Squaw-huckleberry

Erect shrub; leaves deciduous; flowers white to greenish, borne of filiform pedicels more than 5 mm long, clustered on branches with reduced leaves; calyx 5-lobed; stamens 10 exerted, anthers 2 awned; ovary inferior. Incl. *V. caesium* Greene

REFERENCES: Riddell 1834:154 (rocky situations); Braun 1961:298 (illus. p. 294); Cooperrider 1995:265 (illus. p. 266).

HERBARIUM RECORDS: 2 Jun 1901—Worthington, *W. Kellerman*; 15 Jun 1925—Flint, *R. Crane* (OWU); 12 May 1991—N of Worthington, Flint Ravine, Camp Mary Orton entrance, woods, Sharon Twp., *Lowden 4623*; 1 Jun 1993—Flint Ravine, Camp Mary Orton, W of Rt. 23, N of Worthington, Sharon Twp., *Lowden 5069*.

NOTE: Sullivant 1840:26 and Selby & Craig 1890:12 reported on plants collected in adjacent counties.

### 2. †*Vaccinium pallidum* Aiton

Upland Low Blueberry

Low shrub; leaves 2-3 times as long as wide, serrulate to entire; flower green-white sometimes pinkish, borne in thick short pedicels, in short racemes; calyx 5-lobed; ovary inferior. Incl. *Vaccinium vacillans* Kalm ex Torr.

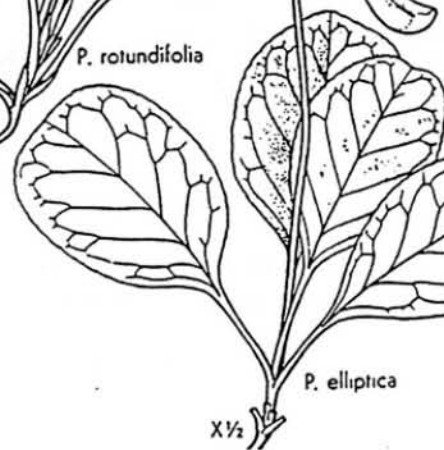
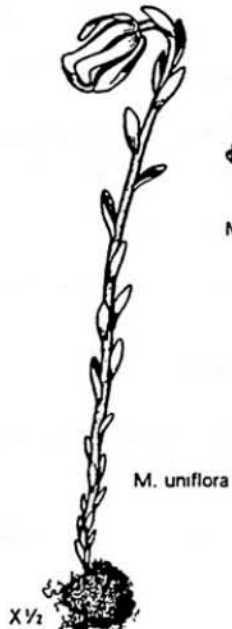
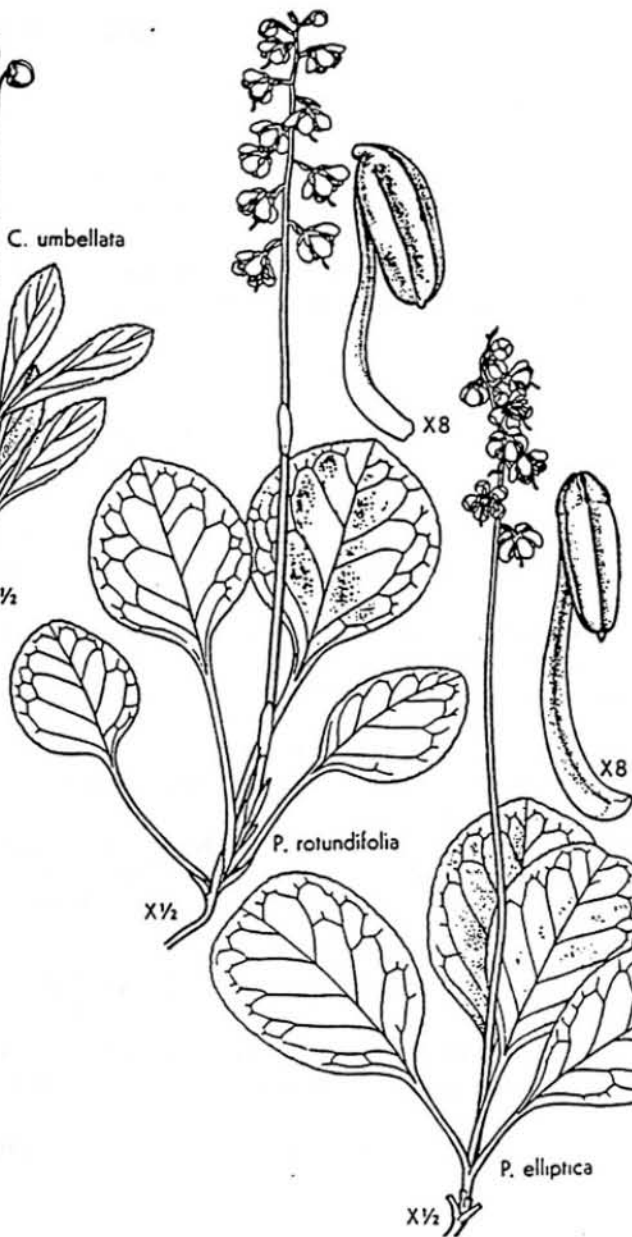
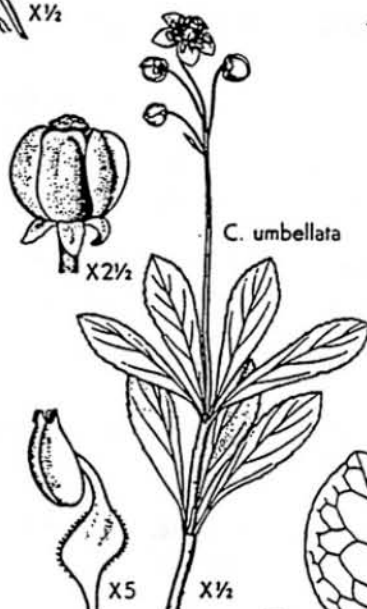
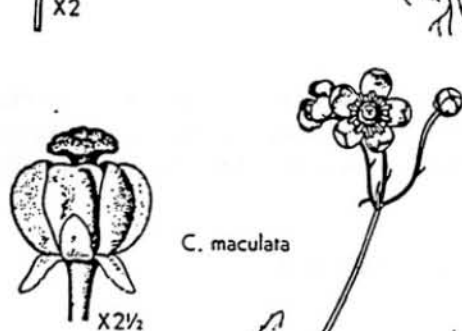
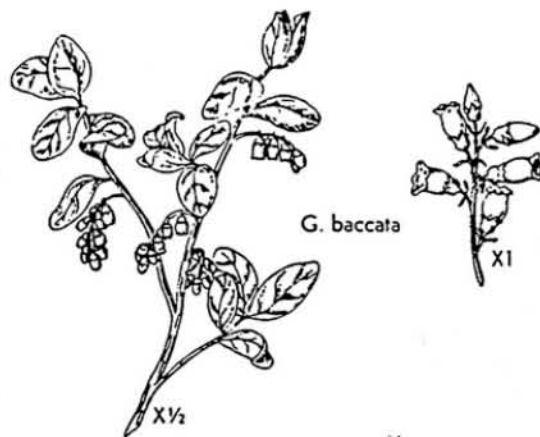
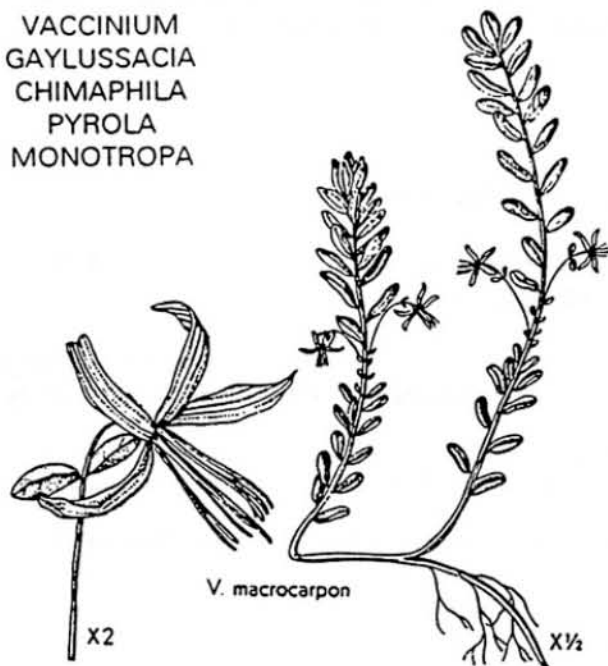
REFERENCES: Riddell 1834:154 (*Vaccinium virgatum*, rocky situations); Sullivant 1840:26 (*Vaccinium pennsylvanicum* Lam.); Selby & Craig 1890:12 (*Vaccinium pennsylvanicum* Lam.); Selby 1892a:110 (N Cols., *Bogue*; Central College, *Selby*; this plant has been referred to *Vaccinium pennsylvanicum*); Braun 1961:301 (illus. p. 300); Cooperrider 1995:265 (illus. p. 266).

HERBARIUM RECORDS: 1840—Cols., *Sullivant*; 1890—near Canal Winchester, *Selby*; 8 Jul 1892—Cols., *Bogue*; 23 Jun 1902—Franklin Co., *J. H. Schaffner*; 18 Apr 1991—Hoover Dam Park, woods N of entrance off Cabbage Rd., Blendon Twp., *Lowden 4585*; 11 May 1991—Hoover Dam Park, woods N of entrance off Cabbage Rd., Blendon Twp., *Lowden 4613*; 1 Jun 1993—Flint Ravine, Camp Mary Orton, W of Rt. 23, N of Worthington, Sharon Twp., *Lowden 5070*.

### 3. †*Vaccinium macrocarpon* Aiton

Large Cranberry

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*