

NOTE: Not mapped for Franklin Co. by Cooperrider 1995:271 (illus. p. 268).

HYDRANGEACEAE, Hydrangea Family

Shrubs; inflorescence cymose or short raceme; flowers epigynous, without epigynous hypanthium; leaves opposite; ovary 2-4-loculed; stamens twice as many as petals or more; fruit a capsule.

- a Stamens 20 or more; ovary 4-loculed; flowers 2 cm wide or more. **1. PHILADELPHUS**
a' Stamens twice as many as petals; ovary 2-loculed; flowers, at least central ones of cluster, small. **2. HYDRANGEA**

1. PHILADELPHUS L. Mock-orange

Shrub; leaves opposite, short-petioled; blades ovate to oblong, somewhat dentate; flowers fragrant, epigynous, in short racemes; perianth regular; sepals 4-5; petals 4-5, white, about 2 cm long; stamens many; ovary usually 4-loculed; styles separate above; fruit a capsule.

1. **Philadelphus coronarius* L.

European Mock-orange

Cultivated & Adventive (native of Europe)

Erect shrub, bark of young twigs brown, exfoliating the second year; leaves short-petioled, ovate or ovate-oblong, acuminate, remotely dentate, pubescent in and near the axils of the 3 main veins beneath; flowers in terminal racemes 5-7, fragrant; sepals 4; petals 4, white; stamens 20 or more.

HERBARIUM RECORDS: [date?]-University campus [OSU], Hedrick; May 1937-Cols., cult., J. H. Schaffner; 31 May 1987-Highbanks Metro Park (Delaware Co.), cult., Witsberger 948 (OWU); 6 Jun 1989-Turkey Run, between Olentangy River Rd. & Pegg Ave., just S of Highland Dr., Cols., Clinton Twp., Lowden 4111; 14 Jun 1989-OSU Campus, near B&Z bldg. & Campbell Hall, 1735 Neil Ave., Cols., Lowden 4188 & 4195.

NOTE: See Braun 1961:151.

2. HYDRANGEA L.

Shrub; leaves opposite, long-petioled, blades ovate to oblong, lobed or unlobed, cordate to tapering at base, serrate; flowers small, in rounded or flattened compound cymes, epigynous, sometimes the marginal ones consisting of only a flat enlarged calyx; sepals 4 or 5; petals 4 or 5, white; stamens 8-10; carpels 2, united below, separate above; ovary 2-loculed below; styles 2; fruit a capsule.

- a Inflorescence flat topped or convex; leaves ovate-oblong to broadly round-ovate. **1. H. arborescens**
a' Inflorescence pyramidal or ovoid; leaves sharply 5-7 lobed. **2. H. quercifolia**

1. *Hydrangea arborescens* L.

American Hydrangea

REFERENCES: Riddell 1834:156 (*Hydrangea vulgaris* & *H. cordata*); Sullivant 1840:20 (*Hydrangea vulgaris* Michx.); Selby & Craig 1890:10.

NOTE: No specimens seen from Franklin Co. Not mapped for Franklin Co. by Braun 1961:151 (illus. p. 152).

2. **Hydrangea quercifolia* W.Bartram

Oak-leaved Hydrangea

Cultivated to possibly Escaped (introduced from S U.S.)

Shrub; leaves sharply 5-7 lobed, lobes denticulate; young branches, petioles, and lower leaf-surface softly pubescent; panicles ovoid or oblong; sterile sepals usually 4, up to 1.5 cm long.

HERBARIUM RECORDS: 20 May 1985-OSU Campus, shrub near loading dock of the B&Z bldg., 1735 Neil Ave., Cols., Finnen 40; 16 May 1986-Park of Roses, Cols., Blanco; 14 Jun 1989-OSU Campus, behind B&Z Bldg., 1735 Neil Ave., Cols., Lowden 4170.

NOTE: Not treated by Braun 1961:151. Not cited by Weishaupt; Cronquist (p. 226) mentions under *Hydrangea paniculata*; see description and drawing in Britton & Brown (Vol. 2, p. 275).

GROSSULARIACEAE, Gooseberry Family

Shrubs; leaves palmately veined and lobed, fascicled on short lateral branches; flowers in small clusters or racemes, epigynous, with tubular epigynous hypanthium; leaves alternate; ovary 1-loculed; stamens as many as petals; fruit a many seeded berry.

1. **RIBES** L. Currant, Gooseberry

Shrubs, sometimes with prickles; leaves alternate, palmately veined and lobed; flowers epigynous, usually bisporangiate; perianth regular; sepals 5; petals 5, smaller than sepals; stamens 5; epigynous hypanthium present; carpels usually 2; ovary 1-loculed with 2 (rarely 3) parietal placentae; styles separate or united; fruit a berry.

Additional cultivated species are the Garden Red Currant (*Ribes sativum* Syme) and the Mountain or Alpine Currant (*Ribes alpinum* L., Chadwick Arboretum).

- a Pedicels not jointed; flowers solitary or in clusters of 2-5. (Gooseberries)
 - b Ovary and fruit prickly; hypanthium longer than sepals; stamens about equaling petals. 1. *R. cynosbati*
 - b' Ovary and fruit not prickly, either glabrous or pubescent; hypanthium shorter than or equaling sepals; stamens and style little if any exerted beyond sepals.
 - c Hypanthium pubescent; ovary pubescent or glandular. 2. *R. uva-crispi*
 - c' Hypanthium and ovary glabrous. 3. *R. hirtellum*
- a' Pedicels jointed beneath the ovary; flowers in racemes of usually more than 5. (Currants)
 - d Hypanthium several times as long as ovary, longer than calyx; racemes leafy-bracted; flowers fragrant. 5. *R. odoratum*
 - d' Hypanthium little if any longer than ovary; racemes not leafy-bracted.
 - e Blades resin-dotted beneath. 4. *R. americanum*
 - e' Blades not resin-dotted; fruits bright red. *R. sativum*

1. *Ribes cynosbati* L.

Dogberry, Prickly Gooseberry

Internodes prickly or smooth, nodes spiny; petioles glandular-ciliate; flowers 1-3 on pedicels 5-16 mm long; hypanthium campanulate from a rounded base; stamens as long as the petals or slightly longer but not as long as the oblong sepals; ovary and fruit prickly.

REFERENCES: Sullivant 1840:8; Craig 1890:79 (2 or 3 bushes on the bank of the brook S of the botanical bldg., 18 May 1882, 10 May 1883, 27 May 1884, 15 May 1887, 5 May 1888, 20 Apr 1889); Selby & Craig 1890:10; Braun 1961:155 (illus. p. 154).

HERBARIUM RECORDS: 1839—Worthington, *J. Paddock Collection* (ILL); May 1888—Cols., *Craig*; Spring 1889—Cols., *Craig*; Spring 1891—Cols., *Selby*; 3 May 1911—Westerville, old fence rows, *Hanawalt*; 30 Apr 1980—W side of Hayden Run ravine just W of Scioto R., a few shrubs on limestone outcrop, Norwich Twp., NW ¼ NW Cols. Quad., *W. Carr 2657*.

2. **Ribes uva-crispi* L.

Garden-gooseberry

Probably Cultivated (native of the Old World)

Stem with stout spines at node; hypanthium campanulate above the ovary; sepals pubescent, spreading or reflexed, round-obovate, longer than the hypanthium; stamens as long as the round-obovate sepals. Syn.: *R. grossularia* L.

HERBARIUM RECORD: May 1888—Cols., *Craig*.

NOTE: See Braun 1961:156.

3. †*Ribes hirtellum* Michx.

Smooth Gooseberry, Wild Gooseberry

REFERENCES: Riddell 1834:117; Riddell 1835:16 (Worthington, rocky situations).

NOTE: No specimens seen from Franklin Co. See Braun 1961:156 (illus. p. 154).

4. *Ribes americanum* Mill.

Eastern Black Currant, Wild Black Currant

Erect shrub, about 1 m tall; leaves dotted with shining resinous glands beneath; flowers 8-10 mm long, in racemes, more than 5; pedicels much shorter than the conspicuous bracts, articulate at the summit at maturity; ovary and fruit not bristly. Syn.: *R. floridum* L'Hér.

REFERENCES: Sullivant 1840:8; Selby & Craig 1890:10; Selby 1891a:111a (#251 Re-collected); Braun 1961:155 (illus. p. 152).

HERBARIUM RECORDS: 1840—Cols., *Sullivant*; 9 May 1891—near Big Darby Creek, *Selby* (OS, WOOS); 19 May 1891—near Big Darby Creek, *Selby*; 25 Apr 1985—woods on W side of Sawmill Rd. midway between Rt. 161 & Case Rd., *Rutter 96*.

5. **Ribes odoratum* H.L.Wendl.

Buffalo-currant

Cultivated (W U.S.)

Without spines; leaves deeply 3-lobed, glabrous beneath; racemes leafy-bracted; flowers golden-yellow, fragrant; hypanthium above the ovary tubular, 11-15 mm long; sepals oblong-ovate, 5.0-6.5 mm long, broadly rounded above.

HERBARIUM RECORDS: 1889—Cols., *Craig*; 20 Apr 1972—OSU Campus, in front of Lazenby Hall on Neil Ave., Cols., *Roberts 2264*.

NOTE: See Braun 1961:155.

RIBES
SEDUM

