

The ARNOLD
ARBORETUM
of HARVARD UNIVERSITY



INVENTORY OF LIVING COLLECTIONS

Compiled by the Horticulture Department

February, 2012

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Front cover & title page:

Fagus americana (Fagus grandifolia). Sargent, Charles Sprague, 1947. *The silva of North America: a description of the trees which grow naturally in North America exclusive of Mexico*. Tab. CCCCXLIV. New York: P. Smith. Illus. by Charles Edward Faxon. Library of the Arnold Arboretum. HOLLIS 007216224.

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Carroll E. Wood, Jr., 1974. *A students' atlas of flowering plants: some dicotyledons of Eastern North America*. New York, NY: Harper & Row. Library of the Arnold Arboretum.

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Fagus grandifolia. Mathews, F. Schuyler, 1915. *Field book of American trees and shrubs: a concise description of the character and color of species common throughout the United States, together with maps showing their general distribution*. New York: Putnam. Library of the Arnold Arboretum. HOLLIS 003172975.

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*This inventory is dedicated to all who have worked
in or for this Arboretum since its inception in 1872.*

INTRODUCTION

The Arnold Arboretum of Harvard University is the oldest public arboretum in North America and one of the world's leading centers for the study of plants. A unique blend of beloved public landscape and respected research institution, it provides and supports world-class research, horticulture, and education programs that foster the understanding, appreciation and preservation of trees. Since its founding in 1872, the Arboretum's goal has been to acquire woody plants (trees, shrubs, and vines) from around the world that are potentially hardy outdoors in the Boston region. To accomplish this, the Arboretum has long supported botanical exploration programs to collect germplasm from documented wild sources. In particular, the floristically rich regions of Eastern Asia and North America are well represented in the living collection. Many plants have also been received from colleagues at sister institutions, correspondents, and commercial sources. This listing is an inventory of the current living collections of the Arnold Arboretum of Harvard University.

OVERVIEW OF THE LIVING COLLECTIONS

As of February 1, 2012, the living collections comprise 15,098 individual plants (including nursery holdings) belonging to 10,267 accessions that represent 3,954 taxa. Taken together, the collections are considered to be one of the largest (Table 1) and best documented (Table 2) woody plant collections in North America and the world. Many of these accessions or accession lineages are of historical and botanical importance, representing the original plant introductions into North America by early Arboretum staff members such as Charles Sprague Sargent, Ernest Henry Wilson, John George Jack, Joseph Rock, and William Purdom, among others.

Table 1. Taxonomic profile of the Living Collections of the Arnold Arboretum.^a

RANK	NUMBER
Families	97
Genera	338
Species	2,170
Subspecies	86
Varieties	371
Formae	72
Cultivars	1,516
Interspecific Hybrids	452
Intergeneric Hybrids	17

^a Numbers for infraspecific ranks correspond only to those accessions where rank is known.

Table 2. Provenance of Accessions in the Living Collections of the Arnold Arboretum.

PROVENANCE	TOTAL NUMBER	PERCENT OF TOTAL
Wild		
Direct	2,790	27
Indirect	792	8
Garden	3,227	31
Uncertain ^a	3,458	34

^a Includes 2,051 existing or spontaneous accessions whose provenance cannot be determined.

LOCATION AND CLIMATE

The Arnold Arboretum occupies an area of 265 acres (107 hectares) and is located in the Jamaica Plain section of Boston, Massachusetts ($42^{\circ} 19'$ north latitude, $71^{\circ} 05'$ west longitude). Altitudes range from 46 feet (15 meters) in the meadow across the drive from the Hunnewell Building to 240 feet (79 meters) at the top of Peters Hill. Average annual rainfall for Boston is 43.6 inches (1,102 millimeters); average snowfall, 40.2 inches (1,021 millimeters). Annual mean temperature is 51.5° F (10.8° C); July's mean temperature is 73.5° F (23° C); January's is 29.6° F (-1.3° C). The Arboretum is located in USDA hardiness zone 6 (average annual minimum temperature of 0 to -10° F (-17.7 to -23.3° C)).

THE LIVING COLLECTIONS POLICY

REVIEWED AND APPROVED ON SEPTEMBER 10, 2007

I. INTRODUCTION

A. PURPOSE OF THE LIVING COLLECTIONS POLICY

The Living Collections Policy of the Arnold Arboretum guides the development, management, and enhancement of the institution's Living Collections, and applies to all plants outlined below under Scope of the Living Collections. The Living Collections Policy is written and administered by the Living Collections Committee, which comprises the Curator of Living Collections (Chair of the Committee), Deputy Director, Manager of Horticulture, Manager of Plant Records, Manager of the Dana Greenhouses and Nursery, and Senior Research Scientist; it is further reviewed and approved by the Director. The Living Collections Policy is reviewed every five years and revised as needed. Operational procedures related to implementation of this and related policies are detailed in the Arboretum's *General Procedures for Managing the Flow of Plants through the Department of Horticulture* (January, 2007).

B. PURPOSE OF THE LIVING COLLECTIONS

The Living Collections of the Arnold Arboretum are essential to achieving its mission as a research institution dedicated to improving the understanding, appreciation, and preservation of woody plants. As a national and international resource for research in

the various fields of plant biology and beyond, the Arboretum's Living Collections are actively developed and managed to support scientific investigation and study, as well as key educational and amenity roles.

C. LEGAL AND ETHICAL CONSIDERATIONS

Activities related to the development, management, and use of the Arnold Arboretum's living collections comply with all relevant local, state, federal, and international laws. This includes compliance with all necessary documentation and phytosanitary requirements during acquisition and distribution activities. All taxa are evaluated for their potential invasiveness, and should invasive or potentially invasive plants be retained for their scientific value, additional management procedures are put into place for containment purposes; they are not distributed for horticultural use.

II. SCOPE OF THE LIVING COLLECTIONS

The Living Collections are divided into three primary collection categories: Core, Historic, and Miscellaneous Collections; within each are secondary collections. This organization allows priority to be assigned to all extant, as well as potential, accessions within each category, thus guiding collections development, management, and enhancement. It should be noted that none of the primary, or secondary, collections are mutually exclusive and that many accessions fall into multiple categories.

A. CORE COLLECTIONS

The Core Collections are of highest priority and receive the greatest focus with respect to development, management, and enhancement. In general, these collections are intrinsic to the mission of the institution through their research use, and preference is placed on material of documented wild origin. Exceptions to provenance requirements are made only in specific cases when the value is significant enough to warrant accessioning. By and large, these collections are regarded as obligatory.

1. Biogeographic Collections

Collections representing the floras of eastern North America and eastern Asia have been an important traditional focus, strongly supporting research related to the floristic relationships between these two regions. In particular, eastern North American-Asian disjunct taxa receive high priority with respect to collections development.

2. NAPCC Collections

As part of its commitment to the North American Plant Collections Consortium (NAPCC), the Arboretum maintains and develops collections of botanical taxa within the following genera: *Acer*, *Carya*, *Fagus*, *Stewartia*, *Syringa*, and *Tsuga*. Because they serve as national germplasm repositories, development and maintenance maximizes both inter- and intraspecific diversity.

3. Conservation Collections

As part of its commitment to the Center for Plant Conservation (CPC), the Arboretum maintains and develops collections of the following species: *Amelanchier nantucketensis*, *Diervilla rivularis*, *Diervilla sessilifolia*, *Fothergilla major*, *Ilex collina*, *Rhododendron*

prunifolium, *Rhododendron vaseyi*, *Spiraea virginiana*, and *Viburnum bracteatum*. These species, as well as other taxa of conservation value outside the scope of CPC, are developed and maintained with the goals of preserving as high a level of intraspecific diversity as is practicable.

4. Synoptic Collections

Collections of documented wild-origin species that together provide a synoptic representation of the woody flora of the North Temperate Zone are maintained and developed. Emphasis is first placed on generic diversity, and then inter- and intraspecific diversity as is practicable.

B. HISTORIC COLLECTIONS

The Arboretum's early contributions to plant exploration and horticultural improvement are manifested in a number of Historic Collections. In general, these collections are obligatory and maintained, but not actively developed except in cases where authentic material of Arboretum origin can be repatriated or the material is sufficiently unique to warrant accessioning.

1. Arnold Arboretum Accessions

Plants collected by early Arboretum staff (e.g., C. S. Sargent, E. H. Wilson, J. G. Jack, J. Rock) may lack sufficient documentation, or be of garden origin. However, because they represent important historical chapters in the development of the institution, they are maintained in the Living Collections. In some cases, these accessions may represent genotypes no longer extant in the wild because of local extinction and thus have high conservation value.

2. Nurseries and Horticulturists

Accessions derived from historically significant nurseries, botanical institutions, and horticulturists (e.g., H. J. Veitch, T. Meehan, M. Vilmorin) may lack full documentation, but are maintained in the Living Collections. These often represent the initial introductions of species into cultivation and are, in all probability, wild-collected. In some cases, these accessions may represent genotypes no longer extant in the wild because of local extinction and thus have high conservation value.

3. Distinctive Cultivar Collections

Early in its development, the Arboretum established diverse collections of garden selections now regarded as cultivars within various plant groups (e.g., dwarf conifers, *Malus*, *Rhododendron*, *Syringa*). Because of their period and oftentimes comprehensive nature, these collections are maintained but not developed.

4. Cultivars with names proposed prior to 1953

The Living Collections contain a number of historic cultivars with Latinized names that were proposed in a botanical context prior to 1953. While not developed, these are maintained, particularly when they represent material unique in cultivation.

5. Arnold Arboretum Cultivar Introductions

Throughout its history, the Arboretum has selected and introduced a number of

clones for ornamental use, many of which were initially regarded as botanical formae but are now recognized as cultivars. Because they arose at the Arboretum, they are maintained and development occurs only to repatriate genotypes lost by the Arboretum.

6. Larz Anderson Bonsai Collection

The Larz Anderson Bonsai Collection, while not actively developed, is of high priority within the Arboretum's Living Collections because of its historic and aesthetic value.

C. MISCELLANEOUS COLLECTIONS

In addition to those within the above collection categories, the Living Collections comprise a number of plants grown to achieve display effects, for interpretation, for evaluation, or plants that may fall outside of traditional scope and not even be accessioned. However, because they play important roles in the Arboretum's research, horticultural, and educational work, they are included within the Living Collections. These may be obligatory or discretionary, and development and maintenance decisions are made on a case-by-case basis by the Living Collections Committee.

1. Display Collections

Plants of cultivated origin, particularly cultivars selected for unique traits, serve important research and education roles; however their primary value is for display. Examples include ornamentals with exceptional ornamental qualities, landscape plants well suited to the New England climate (including those with stress-, insect-, and disease-resistance), as well as those under evaluation. These collections are regarded as discretionary and are developed and maintained as needed, with the acknowledgement that accessions may be deaccessioned when their value no longer meets the appropriate standard.

2. Natural Areas

The Arboretum landscape contains several natural areas representative of the New England Flora. Generally, these are maintained through natural regeneration of the present vegetation; however, development may occur under certain circumstances (e.g., restoration following major disturbance).

3. Spontaneous Flora

Spontaneous generation of native, as well as exotic, plants occurs throughout the Arboretum's cultivated landscape. As a matter of course, some of these plants are removed because of their noxious characteristics, some are left in place, while others are accessioned (in particular spontaneous interspecific hybrids or landscape specimens). The forthcoming *Policy on the Spontaneous Flora* addresses this category more thoroughly.

4. Dana Greenhouse and Nursery Collections

A number of plants are cultivated at the Dana Greenhouse and Nursery for experimental, observational, and other programmatic functions outside the scope of production for the accessioned Living Collections. Development and maintenance lies with the primary investigator or other assigned staff member, with the understanding that these may be formally accessioned at a later time.

DEFINITION OF TERMS USED IN THE LIVING COLLECTIONS POLICY

An **accession** is the basic unit of a collection and identified by a unique accession number. By definition it represents a single taxon, from a single source, acquired at one time, and through one means of propagation. An accession may comprise a single plant, or multiple plants, each identified by a letter qualifier following the accession number, or in the case of mass plantings, MASS.

Accessioning is the process of adding specimens to the Arboretum's Living Collection. It occurs at the time of entry regardless of the stage (e.g., plant, cutting, scion, seed) of accessioned material. All accession records are permanent and are not expunged should deaccessioning occur.

Acquisition of new accessions may be through field collection, exchange, gift or purchase. All acquisitions must meet specific collections development goals in accordance with the Scope of the Living Collections detailed in this Living Collections Policy.

A **collection** is operationally defined as a group of accessions organized by a particular category for curatorial, educational, research, display or other use. A collection need not be physically grouped together, and a single accession may be part of multiple collections. From the perspective of commitment, collections may be discretionary or obligatory.

Curation is the process of managing the Living Collections to guarantee its conservation, guide its development, ensure its documentation, and facilitate its enhancement.

Deaccessioning is the process of removing a living specimen from the collection, but does not include the removal of any records related to that accession. Deaccessioning decisions are made by the Curator of Living Collections, in consultation with the Living Collections Committee.

Development is the process by which the Living Collections undergo change through the acquisition of new accessions and the deaccessioning of accessions no longer needed in accordance with the Scope of the Living Collections detailed in this Living Collections Policy.

Discretionary collections can be regarded as temporary or permanent. They meet specific research, display, education or other programmatic needs, but do not necessarily represent collections central to the mission and purpose of the Arboretum.

Enhancement is the process of adding value to the Living Collections through documentation, research, and other means.

The **Living Collections** comprise all plants formally accessioned, and in a broad sense also contain unaccessioned plants in natural areas, spontaneous flora, and research material.

Maintenance, from the standpoint of curating the Living Collections, is the practice of vegetatively repropagating an obligatory accession in order to preserve and perpetuate its genetic lineage. Multiple accessions of the same lineage are genetically identical.

Obligatory collections are considered permanent and represent collections central to the mission and purpose of the Arboretum.

A **taxon** (plural, taxa) is a unit of any rank within the taxonomic hierarchy (e.g., family, genus, species, variety, cultivar).



Fig. 89. *Fagus sylvatica*: a Zw. mit ♂ und ♀ Blst.; b ♂ Bl.; c ♀ Trugdöldchen; d ♀ Bl.; e Querschnitt durch Frkn., die 3 Fächer mit je 2 Sa. zeigend; f Zw. mit aufgesprungenen Fr.; g—h reife Früchte (Bucheckern); i Fr. im Querschnitt (nach HEMPEL et WILH.).

Fagus sylvatica from
Schneider, Camillo, 1906. Illustriertes handbuch der laubholzkunde : charakteristik der in Mitteleuropa
heimischen und im freien angepflanzten angiospermen gehölz-arten und
formen mit ausschluss der bambuseen und kakteen. Jena: G. Fischer.
Library of the Arnold Arboretum. HOLLIS: 006904734.

CURATORIAL PROCEDURES

Collections management at the Arnold Arboretum ensures the highest level of documentation. Records for each accession in the collection are maintained in a PC-based database application (*BG-BASE*). Mapping software (ESRI Desktop and Mobile GIS) ensures accurate map maintenance and plotting of landscape features. New plantings and hardscape features are georeferenced using a decimeter accurate Global Positioning System (GPS) receiver (Trimble ProXRT, GLONASS option). A grid system overlaid onto the base map divides the property into 70 individual maps, each 400 feet by 600 feet, and each map is further divided into 4 quadrants labeled as NW, NE, SW, SE (see Appendix I, Maps).

For each accession, the database stores information on the source; specific provenance data; date of acquisition; accepted botanical name and its synonyms; size of the plant upon receipt as well as at intervals throughout its existence in the collection; number of plants; map location on the grounds; and the presence of any vouchers in the cultivated herbarium or photographic images. Additional data may include performance observations; unique ornamental characteristics; growth and survival rates; hardiness potential; specific propagation techniques required; a botanical description; taxonomic verifications; and notes on storm damage, susceptibility to insects or diseases, or experimental data. Observations on plant collections are ongoing and formal assessment activities are documented in the Arboretum's *Plant Inventory Operations Manual* (April, 2011), www.arboretum.harvard.edu/wp-content/uploads/plant_inventory_operations_manual.pdf.

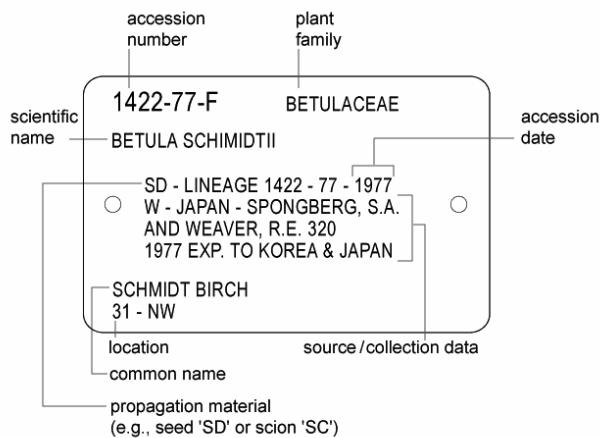
The Living Collections of the Arnold Arboretum are curated to ensure that plants are correctly identified, that contemporary taxonomic or classification schemes are being considered, and lastly, that accurate nomenclature is being applied. A number of activities assist curatorial staff in accomplishing these goals: voucher herbarium specimens are prepared and deposited in the Cultivated Herbarium (www.arboretum.harvard.edu/plants/herbaria/cultivated-herbarium/), the identity and correct name of accessions are researched, and the scientific literature is regularly reviewed. Also, because the collections are a resource for scientists around the world, much "taxonomic progress" (i.e., changes in identification, taxonomy, and/or names) occurs as a result of their research.

Our policy calls for each plant in the collections to be labeled with two anodized aluminum labels that are embossed, using a DataCard 295 embosser, with its accession number, botanical name, family, provenance data, and/or lineage number, and means of propagation and location on the Arboretum grounds. Letter designations are appended to the accession number to identify individuals of a particular accession. An example of a typical records label follows.

In addition, many trees and shrubs bear trunk or display labels of larger format that provide common and scientific names, nativity, and the botanical family to which the genus belongs. Stake labels are used to interpret collections in the Leventritt Shrub and

Vine Garden, Explorers Garden (Chinese Path), Bradley Rosaceous Collection and Hunnewell Building areas.

A Typical Records Label



ACCESS TO THE LIVING COLLECTIONS AND AVAILABILITY OF RESEARCH AND PROPAGATION MATERIALS

The Living Collections of the Arnold Arboretum comprise a valuable genetic resource that represents a large subset of the combined ligneous floras of the North Temperate Zone. The Arboretum strongly encourages and supports the use and distribution of its Living Collections for research and other forms of scholarship. We can provide access to the plants growing in the collection, supply voucher herbarium specimens, furnish fresh or preserved tissue, and collect propagules. Remote access to collections data is provided through the searchable plant inventory, accessed on the Arboretum's web page, www.arboretum.harvard.edu/plants/plant-inventory/. Additional access to the collections is provided through Collection Researcher (www.arboretum.harvard.edu/plants/collection-researcher/), a web application that provides unique access via an interactive map.

Researchers and scholars who wish to access the Living Collections to conduct on-site experiments, make observations, request voucher herbarium specimens or tissue (fresh or dried in silica gel), or other needs should send queries to:

researchrequests@arnarb.harvard.edu. Please include your name and affiliation, nature of the request, and the taxa of interest. To all extents practicable, curatorial staff can also assist researchers in developing their study. Note that permits are required for *all* research and collecting activity, and are issued following review. Access to the collections is provided free of charge, including the cost of shipping material. However, the use of a recipient's courier account (FedEx preferred) is appreciated. For any requests that require intensive curatorial support, particularly over an entire growing season(s), we ask that scholars consider offsetting some of the costs.

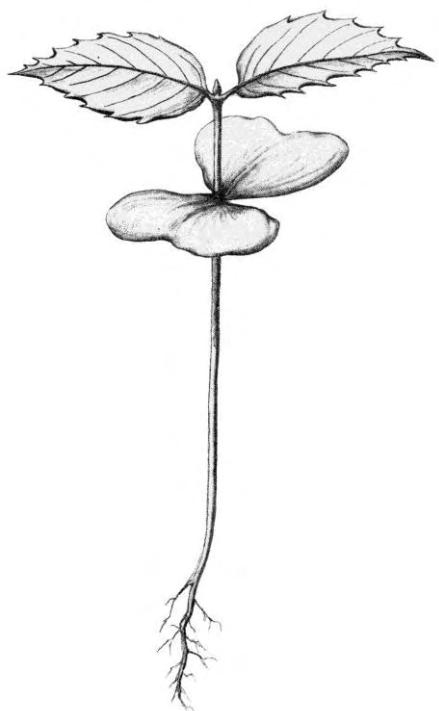
Many of the taxa in the living collections are of conservation value due to their threatened status in the wild. As a consequence, the Arnold Arboretum views its collections as an alternative source of *limited* amounts of propagation material of these as well as more commonplace but little-known plants. However, the Arboretum does not normally supply propagation materials of plants that are known to be generally available from any commercial source in North America. We also retain the right to refuse distribution of propagation material that represents species and/or clones that are planned for introduction by the Arnold Arboretum, those which fall under memoranda of understanding with third parties, or for other curatorial reasons.

With respect to seed requests, it should be noted that seeds collected from Arboretum plants are the result of open pollination, and no guarantee can be made that they will grow true to name. This fact is particularly true for large genera that are represented by many species in our collections. Requests for propagation material should list the botanical name and the approximate amount of plant material desired. Material will be collected and processed by the staff as time and weather permits. Requests via e-mail can be made to: **propagationrequests@arnarb.harvard.edu**. Written requests should be addressed to:

Curator of Living Collections
The Arnold Arboretum of Harvard University
125 Arborway
Boston, MA 02130, United States

Requests for material originating in foreign countries *must* be accompanied by the proper import permits and/or mailing labels for importation purposes. Every effort will be made to supply the requested material, but the number of plants held within our collection and their condition will be the limiting factor. Requests held to a reasonable number, twelve or fewer, will be filled at a greater speed. Except for requests from sister botanical institutions and academic departments, a fee is charged for propagation materials to offset the costs involved in providing them. A fee will be also be added to cover inspection by agents of the United States Department of Agriculture for phytosanitary certificates for all foreign orders. Please visit **www.arboretum.harvard.edu/plants/access/** to review all policies and fees.

We are pleased to be able to share our resources with botanists and horticulturists throughout the world. When propagation material is limited, priority is given to those individuals and organizations that are members of the Friends of the Arnold Arboretum. To receive information about membership in the Friends of the Arnold Arboretum, please contact our Membership Department at **membership@arnarb.harvard.edu** or 617.384.5766, or visit our website at **www.arboretum.harvard.edu/support/membership/**.



Fagus americana (*Fagus grandifolia*) from
Sargent, Charles Sprague, 1947. *The silva of North America: a description of the trees which grow naturally in North America exclusive of Mexico.* Tab. CCCCXLIV. New York: P. Smith. Illus. by Charles Edward Faxon.
Library of the Arnold Arboretum. HOLLIS 007216224.

HOURS AND CONTACT INFORMATION

The grounds are open from sunrise to sunset every day of the year. There is no admission charge, but donations are welcome.

The Visitor Center in the Hunnewell Building is open:

9am-4pm weekdays
10am-4pm Saturdays
noon-4pm Sundays
closed holidays

The library is located in the Hunnewell Building and is open Monday through Saturday, 10:00am-3:45pm. The Library is closed on Sundays and holidays. Library contact information:

phone: 617.522.1086
fax: 617.524.1418, ATTN Library
email: **hortlib@arnarb.harvard.edu**

The Cultivated Herbarium is located in the Hunnewell Building and is open, by appointment, Monday through Friday, 10:00am-3:00pm. Please contact the curator at 617.384.5769 to make an appointment. The Herbarium is closed weekends and holidays.

The Seed Herbarium is located at the Dana Greenhouse and is open, by appointment, Monday through Friday, 10:00am-3:00pm. Please contact the Dana Greenhouse staff at 617.384.5665 to make an appointment. The Seed Herbarium is closed weekends and holidays. Greenhouse contact information:

The Dana Greenhouse
The Arnold Arboretum of Harvard University
1050 Centre Street
Boston, MA 02130-3500

The general mailing address, phone number, fax number, and web address of the Arboretum are:

The Arnold Arboretum of Harvard University
125 Arborway
Boston, MA 02130-3500
United States

phone: 617.384.5454
fax: 617.524.1418
web site: **www.arboretum.harvard.edu**

PLEASE PROTECT OUR PLANT COLLECTIONS

The Arnold Arboretum is intended for the study of plants and the passive appreciation of nature. Activities must be conducted in a manner that does not impact or deter the general public's enjoyment of the Arboretum. Groups and individuals using the Arboretum should be aware of the following rules:

- Picking or destroying plant material is strictly prohibited.
- Climbing trees is not allowed nor is walking in plant beds or mulched areas.
- Dogs must be leashed at all times. Owners are responsible for removal and disposal of their dogs' wastes.
- Motor vehicles are not allowed without a special permit for individuals with mobility issues (contact the Visitor Center at 617.384.5209 for more information).
- Picnicking, fires, and barbecues are prohibited.
- Organized group sports and commercial film crews are prohibited.
- Bicycles are permitted only on paved paths.
- Small wedding ceremonies and other group activities are permitted but are limited to 40 people. See www.arboretum.harvard.edu/visit/hours-services-and-policies/weddings-memorial-services-and-other-group-activities/ for details.



Fagus orientalis from

Schneider, Camillo, 1906. Illustriertes handbuch der laubholzkunde : charakteristik der in Mitteleuropa
heimischen und im freien angepflanzten angiospermen gehölz-arten und
formen mit ausschluss der bambuseen und kakteen. Jena: G. Fischer.

Library of the Arnold Arboretum. HOLLIS: 006904734.

USE OF THIS INVENTORY

The accompanying list represents the current inventory¹ of the Living Collections of the Arnold Arboretum as maintained in its collections management database, *BG-BASE*, on February 1, 2012. It should be noted, however, that the composition of these collections is constantly undergoing change: new accessions are added and deaccessioning for various reasons occurs on a continual basis. Consequently, accessions not listed in this inventory may actually be represented in the collections, while others listed may no longer be included. The searchable inventory of the living collections (www.arboretum.harvard.edu/plants/plant-inventory/) should be consulted for more up-to-date holdings information.

This inventory is arranged alphabetically. An index of genera with their family affiliation (Appendix II) can be found at the conclusion of the inventory.

Under each taxon, there is a numerically arranged list of living accessions. For each accession, the following information is given: accession number, provenance (W = wild origin, Z = garden plant of known wild origin, G = garden origin, U = uncertain origin), country (if wild collected), accession year, and Arnold Arboretum map location(s). Map locations indicate where accessions have been incorporated into the collections, and if multiple individuals of the same accession are planted within the same map location, this column lists the location only once. Examples follow:

Fagus sylvatica 'Tortuosa'
253-80, Z, France, 1980, 45-NW, 57-NW

Rosa 'Duchesse de Montebello'
1395-84, G, 1984, BR

Locations for plants that fall within named garden locations are abbreviated as follows:

- BR - Bradley Rosaceous Collection
- DGB - The beds surrounding the Dana Greenhouse (no public access)
- EG - Explorers Garden
- LARZ - Larz Anderson Bonsai Collection
- LG - Leventritt Shrub and Vine Garden
- WH - Weld Hill
 - WH-INTERIOR – Weld Hill Research Building interior (no public access)

Pinpoint plant collections and explore landscape features via our new interactive map (www.arboretum.harvard.edu/plants/collection-researcher/) or find supplemental location keys in Appendix I, Maps.

¹ Excludes nursery holdings (n = 745 plants), permanent loans grown off-site (n = 3 plants), and extant plants of unknown provenance: *Fagus grandifolia* (n = 35), *Pinus strobus* (n = 383), *Quercus* sp. (n = 26), *Tsuga canadensis* (n = 1,272 within Hemlock Hill boundary; along Hemlock Hill and Valley Roads).

INVENTORY

Abelia chinensis
1023-85, G, China, 1985, 13-SE

Abelia mosanensis
282-2003, G, 2003, LG-2G
591-2003, G, Latvia, 2003, LG-8E

Abelia zanderi
607-89, Z, China, 1989, EG-13

Abeliophyllum distichum
141-2002, Z, Korea, Republic of, 2002, 22-SW
174-2005, G, 2005, LG-1E
422-2002, U, 2002, LG-8C
837-51, Z, Korea, Republic of, 1951, 18-SE
966-87, G, 1987, 14-SE

Abeliophyllum distichum 'Roseum'
178-60, Z, Korea, Republic of, 1960, 14-SE

Abies alba
1092-65, U, 1965, 22-SW
122-74, W, Poland, 1974, 26-NW
196-65, G, 1965, 40-SW
337-87, Z, Poland, 1987, 35-SW
6-54, U, 1954, 34-SE
753-36, G, 1936, 34-SE

Abies balsamea
1204-85, W, United States, 1985, 35-SW
1503-83, W, United States, 1983, 35-NW
610-93, W, United States, 1993, 34-SE, 35-SW
770-93, W, Canada, 1993, 35-SW
988-52, U, 1952, 34-SE

Abies balsamea 'Nana'
1397-64, G, 1964, DGB

Abies × borisii-regis
521-28, W, Greece, 1928, 35-NW
531-79, Z, Greece, 1979, 59-NE
827-27, W, Greece, 1927, 35-SW

Abies cephalonica
12383, G, 1883, 39-NE

12384, U, 1900, 35-NW
12495, U, 1898, 34-SE
229-53, U, 1953, 44-SE

Abies cephalonica (undetermined hybrid)
963-54, U, 1954, 34-SE

Abies cilicica
52-39, U, 1939, 35-SW
614-33, U, 1933, 35-NW

Abies cilicica ssp. *isaurica*
602-57, G, 1957, 34-SE

Abies concolor
12393, U, 1892, 34-SE, 35-NW
12394, U, 1898, 30-SW, 49-NE
12395, U, 1907, 35-SW
21323, G, 1930, 40-NW

Abies concolor 'Candicans'
622-67, G, 1967, 40-NW

Abies concolor 'Conica'
337-70, G, 1970, 31-SW

Abies concolor 'Violacea'
358-63, G, 1963, 40-SE
434-41, G, 1941, 34-NE

Abies fargesii
237-2000, W, China, 2000, 40-NW
411-80, W, China, 1980, 55-SE

Abies fargesii var. *fargesii*
7004, W, China, 1911, 49-SW
130-86, Z, China, 1986, 40-NW, 49-SW
88-86, Z, China, 1986, 34-SE

Abies firma
1043-74, U, 1974, 55-SE
370-33, U, 1933, 34-NE
530-81, W, Japan, 1981, 18-SE

Abies fraseri
1051-87, W, United States, 1987, 30-NW

- 1349-85, W, United States, 1985, 35-SE
 1373-85, W, United States, 1985, 30-NW
 416-77, W, United States, 1977, 33-NE
 431-73, W, United States, 1973, 35-SW
- Abies grandis*
 12408, W, United States, 1880, 42-NW
 12409, W, United States, 1898, 42-SW
 1473-81, W, United States, 1981, 52-NE
- Abies holophylla*
 11867, U, 1923, 39-NE
 411-89, W, Korea, Republic of, 1989, 40-NW
 443-71, W, Korea, Republic of, 1971, 34-SE
 603-88, W, Korea, Republic of, 1988, 40-NW
- Abies homolepis* var. *homolepis*
 5675, U, 1908, 34-SE, 39-NE, 40-NE, 40-SW
 12410, U, 1882, 40-NW
 21780, U, 1928, 40-NW, 40-SW
 21781, U, 1902, 35-NW, 35-SW
 22767, U, 1923, 40-NW
 1299-81, G, 1981, 38-NW
 1674-9, U, 1894, 34-SE, 35-NW
 294-43, G, 1943, 35-NW
- Abies homolepis* var. *umbellata*
 12417, U, 1891, 34-SE, 49-NW
- Abies koreana*
 10645, W, Korea, Republic of, 1917, 39-NE
 20613, U, 1928, 40-NW, 40-SW
 308-48, U, 1948, 40-NW
 376-2001, W, 2001, Korea, Democratic People's Republic of, 39-NE
 527-77, U, 1977, 55-NE
 531-77, U, 1977, 33-NE
 557-86, W, Korea, Republic of, 1986, 35-SW
 604-88, W, Korea, Republic of, 1988, 35-SW,
 49-NW
- Abies koreana* 'Prostrate Beauty'
 913-67, G, 1967, 31-SW
- Abies koreana* 'Silberlocke'
 392-94, G, 1994, LG-PER-S
- Abies lasiocarpa*
 1159-72, W, United States, 1972, 52-SW
 639-66, U, 1966, 40-NW
- Abies lasiocarpa* 'Compacta'
 353-73, U, 1973, 40-SE
- Abies lasiocarpa* var. *lasiocarpa*
 22163, U, 1932, 34-SE
 48-58, U, 1958, 34-SE
 526-79, U, 1979, 59-NE
 538-42, W, United States, 1942, 35-SW
- Abies magnifica* 'Glauca'
 1044-71, G, 1971, DGB
- Abies mariesii*
 1377-77, W, Japan, 1977, 31-NW
- Abies nephrolepis*
 8133, W, country unknown, 1917, 39-NE
 20614, U, 1928, 40-NW
 1045-25, U, 1925, 35-SW
 24-95, W, China, 1995, 30-SW, 35-NW
 305-93, Z, Korea, Republic of, 1993, 39-NE
 308-97, W, China, 1997, 35-SW, 40-NW
 377-94, W, China, 1994, 30-SW, 35-SW
 413-80, W, China, 1980, 63-NW
- Abies nordmanniana*
 1077-69, U, United Kingdom, 1969, 53-NE
 435-93, W, Georgia, 1993, 39-NE
- Abies nordmanniana* 'Pendula'
 787-56, G, 1956, 40-SW
- Abies nordmanniana* ssp. *bornmuelleriana*
 989-70, U, 1970, 34-NE, 34-SE
- Abies nordmanniana* ssp. *equi-trojani*
 1664-81, W, Turkey, 1981, 40-NW
 779-65, W, Turkey, 1965, 40-NW
- Abies nordmanniana* ssp. *nordmanniana*
 12427, U, 1903, 35-NW
- Abies pindrow*
 1313-83, W, India, 1983, 35-NW

- Abies pinsapo* 'Glaуca'
192-42, G, 1942, 35-NW
- Abies pinsapo* (undetermined hybrid)
886-58, U, 1958, 39-NE
- Abies pinsapo* var. *marocana*
1435-82, W, Morocco, 1982, 35-SE
- Abies procera*
741-93, W, United States, 1993, 40-NW
- Abies recurvata* var. *recurvata*
12435, W, China, 1911, 38-NW
131-86, Z, China, 1986, 35-SW, 40-NW
- Abies sachalinensis*
1696-77, G, Japan, 1977, 34-SW, 53-NE
222-86, Z, Japan, 1986, 39-NE
- Abies cf. sachalinensis*
290-43, U, 1943, 34-NE
- Abies sachalinensis* var. *mayriana*
500-32, U, 1932, 44-SE
- Abies sachalinensis* var. *sachalinensis*
12437, W, Japan, 1892, 44-SE
839-53, W, Japan, 1953, 34-SE
- Abies sibirica*
351-79, W, Russian Federation, 1979, 36-SW,
52-NE
- Abies sibirica* ssp. *semenovii*
315-90, W, Kyrgyzstan, 1990, 40-NW
- Abies squamata*
227-2000, Z, China, 2000, 35-SW
86-2000, W, China, 2000, 34-NE
- Abies veitchii*
1077-86, W, Japan, 1986, 49-NW, 49-SW
458-77, U, 1977, 34-NE
- Abies veitchii* var. *sikokiana*
1078-86, W, Japan, 1986, 49-SE
- Abies veitchii* var. *veitchii*
12448, U, 1973, 35-NW
190-59, Z, Japan, 1959, 34-NE
330-87, U, 1987, 39-NE
- Acer* sp.
530-2008, U, 2008, 4-NE
- Acer argutum*
640-77, W, Japan, 1977, 8-SW
- Acer barbinerve*
1040-72, U, 1972, 11-NW
1409-77, G, Korea, Republic of, 1977, 8-SE
313-97, W, China, 1997, 14-NE
318-97, W, China, 1997, 57-NE
355-97, W, China, 1997, 14-NE
538-77, W, Korea, Republic of, 1977, 11-NW
958-80, Z, country unknown, 1980, 34-SE
- Acer buergerianum*
1488-77, G, Korea, Republic of, 1977, 15-NE,
EG-5
417-37, U, 1937, 11-NE
447-72, U, 1972, 62-NW
- Acer buergerianum* ssp. *ningpoense*
421-90, U, 1990, 15-NE
- Acer buergerianum* var. *trinerve*
870-37, U, 1937, LARZ
- Acer campestre*
172-2001, W, Ireland, 2001, 11-SE
238-98, W, Hungary, 1998, 57-NE
379-2007, W, Czech Republic, WH2-SW
47-99, W, Ireland, 1999, 57-NE
- Acer campestre* 'Nanum'
558-89, G, 1989, 31-NE
- Acer campestre* var. *leiocarpum*
12468, U, 1903, 15-NE
1053-76, G, 1976, 11-NE, LG-PER-S
1278-73, U, 1973, 12-SW, 62-NW
1727-66, G, 1966, 15-NE

<i>Acer capillipes</i>	<i>Acer davidii</i> ssp. <i>grosseri</i>
12469-1, G, 1919, 10-SE	2-95, W, China, 1995, 11-SW
<i>Acer cappadocicum</i>	<i>Acer × dieckii</i>
117-2007, W, Georgia, 2007, 12-SW	181-86, U, 1986, BR-16-NW
<i>Acer cappadocicum</i> ssp. <i>cappadocicum</i>	<i>Acer diabolicum</i>
1593-67, U, 1967, WH5-NW	2625, W, Japan, 1892, 11-SE
239-91, W, Iran, 1991, 10-SW	630-77, U, 1977, 8-SE
442-36, U, 1936, 12-SW	
699-89, W, Iran, 1989, 11-SE	
<i>Acer cappadocicum</i> ssp. <i>lobelii</i>	<i>Acer elegantulum</i>
379-77, U, 1977, 11-NE	298-92, W, China, 1992, 14-NE
<i>Acer carpinifolium</i>	<i>Acer erianthum</i>
10648, U, 1920, 10-SE	263-84, W, China, 1980, DGB
10959, W, Japan, 1919, 10-SE	
1077-82, U, 1982, 10-SE	<i>Acer × freemanii</i>
354-95, Z, Japan, 1995, 10-SE, 57-NE	318-2006, G, 2006, 8-SE, WH2-NW
<i>Acer caudatifolium</i>	5679, G, 1907, 11-NE
435-84, U, 1984, 47-SW	404-40, G, 1940, 11-NE
<i>Acer caudatum</i> ssp. <i>ukurunduense</i>	456-94, G, 1994, 3-NE, BR-FAXON-POND
158-2001, W, China, 2001, 57-NE	
<i>Acer ceriferum</i>	<i>Acer grandidentatum</i>
138-96, W, China, 1996, 15-NE	458-81, W, United States, 1981, 49-SW
<i>Acer circinatum</i>	536-92, W, United States, 1992, 57-NE
1297-72, U, 1972, 42-SW	
<i>Acer cissifolium</i>	<i>Acer griseum</i>
10649, W, Japan, 1919, 10-SE	12488, W, China, 1907, 12-SW, EG-8
285-2008, W, Japan, 2008, 15-NE, WH5-NE	18148, U, 1925, 13-NE
303-2004, W, Japan, 2004, 10-SE, 15-NE	21452, U, 1930, 11-NE
<i>Acer crataegifolium</i>	125-91, Z, China, 1991, EG-2
296-77, U, 1977, 15-NE	213-91, Z, China, 1991, 11-SE
<i>Acer davidii</i>	279-62, U, 1962, 14-NW
122-2003, W, China, 2003, 11-SE	767-94, W, China, 1994, 14-NE, EG-9, LG-PER-N
126-2003, W, China, 2003, 11-SE	
496-2002, W, China, 2002, 8-NW	
666-94, W, China, 1994, 11-SE	
692-94, W, China, 1994, 14-NE	
<i>Acer grosseri</i>	<i>Acer grosseri</i> var. <i>hersii</i>
	343-75, U, 1975, 15-NE
	626-87, U, 1987, 33-SE, 38-NE
<i>Acer heldreichii</i>	
	199-85, U, 1985, 11-SE, 11-SW
<i>Acer heldreichii</i> ssp. <i>trautvetteri</i>	
	385-2004, W, Armenia, 2004, 11-SE

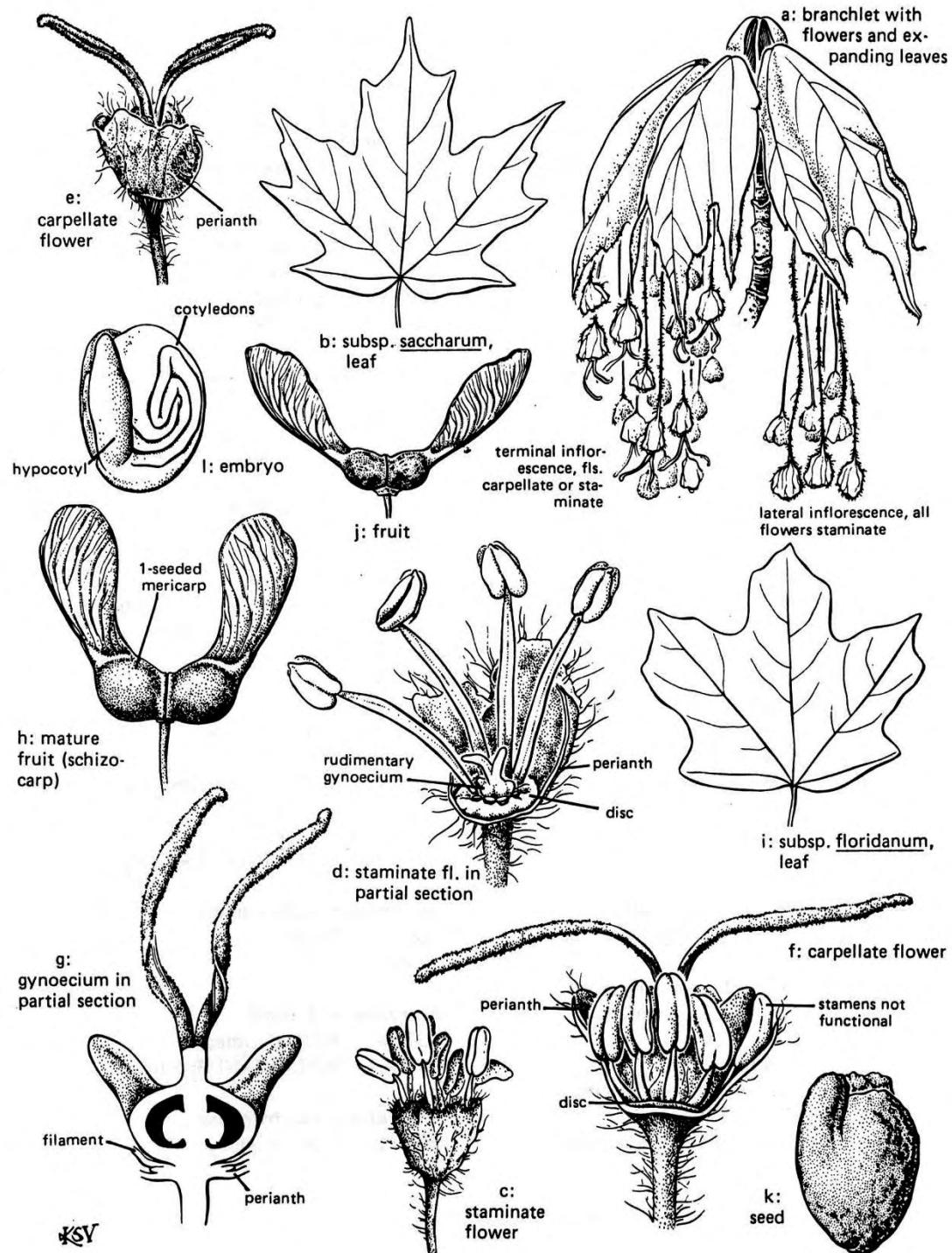
- Acer heldreichii* var. *macropterum*
200-85, U, 1985, 11-NW
- Acer henryi*
164-83, U, 1983, EG-15
- Acer × hillieri*
245-39, G, 1939, 12-SW
- Acer japonicum*
1406-77, W, Japan, 1977, 11-SW
151-90, U, 1990, 10-SE
784-38, U, 1938, 11-NW
- Acer japonicum* 'Aconitifolium'
179-95, G, 1995, LG-2F, LG-PER-E
- Acer japonicum* 'Takinogawa'
394-74, G, 1974, 31-NE
- Acer macrophyllum*
438-2008, W, United States, 2008, 32-SE
- Acer mandshuricum*
12504, U, 1906, 12-SW
1619-81, U, 1981, 11-SE
384-89, W, Korea, Republic of, 1989, 15-NE
399-97, W, China, 1997, 14-NE
807-26, U, 1926, 11-SE
- Acer maximowiczianum*
206-2010, G, 2010, 53-SW
3337, W, Japan, 1892, 12-SW, 53-NW, 57-SE,
62-NW
124-67, G, 1967, 11-SW
913-58, G, 1958, 10-SE
- Acer maximowiczianum* × *griseum*
641-91, G, 1991, 11-SE
- Acer micranthum*
267-2003, G, Japan, 2003, 11-SE, 15-NE
- Acer miyabei*
3564, W, Japan, 1893, 11-SE
22901, G, 1950, 10-SE
1407-52, G, 1952, 11-SE
32-98, W, Japan, 1998, 40-SW, 57-NE
- Acer mono*
12538-1, W, Japan, 1919, 58-NW
1360-73, W, Korea, Republic of, 1973,
WH2-SE
1438-52, G, 1952, 11-NE, 12-SW
338-97, W, China, 1997, 57-NE
5358, U, 1902, 11-NW
694-94, W, China, 1994, 14-NE
88-96, W, China, 1996, 53-SE
- Acer mono* ssp. *okamotoanum*
1620-81, U, 1981, 15-NE
- Acer mono* var. *mayrii*
12505, W, Japan, 1915, 10-SE, 11-NE
281-88, Z, Japan, 1988, 11-SE, 12-SW, 15-NE
- Acer monspessulanum*
12507, U, 1910, 12-SW
1491-83, W, France, 1983, 19-SW
264-2004, Z, France, 2004, 11-SE
- Acer negundo*
107-85, W, United States, 1985, 59-NW
- Acer negundo* 'Aureo-marginatum'
199-66, G, 1966, 29-SE
- Acer negundo* 'Nanum'
143-98, G, 1998, 14-NE
- Acer negundo* 'Violaceum'
197-2001, U, 2001, 57-NE, 57-SE
- Acer olivaceum*
249-95, U, 1995, 11-SE
409-79, U, 1979, 58-NW
- Acer opalus*
12109, G, 1911, 54-SW
- Acer opalus* ssp. *obtusatum*
1371-71, G, 1971, 11-SE
- Acer palmatum*
156-2011, U, 2011, 13-NE
27-98, W, Japan, 1998, 11-SE
35-98, W, Japan, 1998, 57-NE, 57-SE

- 399-76, G, 1976, 15-NE
 488-37, G, 1937, 11-NW
 585-88, W, Korea, Republic of, 1988, 11-SE,
 11-SW
 871-37, U, 1961, LARZ
 872-37, U, 1961, LARZ
 875-37, U, 1961, LARZ
 888-49, U, 1949, LARZ
 889-49, U, 1949, LARZ
- Acer palmatum* (variant)
 1016-62, G, 1962, 11-NW
 507-61, G, 1961, 11-NW
- Acer palmatum* 'Atropurpureum Crispum'
 685-36, G, 1936, 11-NW
- Acer palmatum* 'Bloodgood'
 827-60, G, 1960, 11-NW
- Acer palmatum* 'Burgundy Lace'
 152-58, G, 1958, 11-NW
- Acer palmatum* 'Dissectum'
 146-68, U, 1968, 15-NE
- Acer palmatum* 'Hessei'
 12524, G, 1898, 11-NW
- Acer palmatum* 'Linearilobum'
 268-81, G, 1981, 37-SE
 424-90, G, 1990, 47-SW
- Acer palmatum* 'Oktoberfest'
 309-81, G, 1981, 37-SW
 556-72, G, 1972, 31-NE
 57-97, G, 1997, LG-8C
- Acer palmatum* 'Osakazuki'
 1690-81, G, 1981, BR-1C
 260-81, G, 1981, 38-NE
- Acer palmatum* 'Sangokaku'
 955-81, G, 1980, DGB
- Acer palmatum* 'Sanguineum'
 12522, G, 1898, 11-NW
- Acer palmatum* 'Shigitatsu'
 266-81, G, 1981, 37-SE
- Acer palmatum* 'Warwick Red'
 901-71, G, 1971, DGB
- Acer palmatum* 'Yatsubusa'
 886-49, U, 1949, LARZ
- Acer palmatum* ssp. *amoenum*
 252-66, U, 1966, 11-NW
 256-87, Z, Japan, 1987, 37-SE
 403-80, U, 1980, 11-SE
 949-51, U, 1951, 11-NW
- Acer palmatum* ssp. *palmatum*
 3901, U, 1898, 11-NW
 272-93, G, 1993, 10-SE, 14-NE
 560-71, U, 1971, 11-SE, 15-NE
- Acer palmatum* var. *coreanum*
 1062-60, U, 1960, 11-NE
- Acer palmatum* var. *matsumurae*
 148-57, G, 1957, 11-NE, 11-NW
- Acer palmatum* f. *atropurpureum*
 22717, G, 1936, 11-NW
- Acer palmatum* f. *dissectum* 'Viridis'
 554-72, G, 1972, LG-PER-S
- Acer pensylvanicum*
 1331-79, W, United States, 1979, 15-NW
 137-2003, W, United States, 2003, 10-SE,
 15-NE, 8-NW
 4-80, W, United States, 1980, 15-NE
 521-80, W, United States, 1980, 41-NW
 523-2008, W, United States, 2008, 15-NE
- Acer pensylvanicum* 'Erythrocladum'
 263-81, G, 1981, DGB
 478-2002, G, 2002, LG-PER-E

<i>Acer platanoides</i>	<i>Acer platanoides</i> 'Undulatum'
1021-57, G, 1957, WH5-NE	147-90, G, 1990, 11-NE
12547, U, 1911, 11-SE	
23191, U, 1965, 22-SE	
<i>Acer platanoides</i> 'Cleveland'	<i>Acer pseudoplatanus</i>
630-48, G, 1948, BR-16-NW	11256, U, 1910, 11-NE
	19634, U, 1925, 11-SE
	22858, U, 1950, 2-SE, 14-NW, 24-NW
<i>Acer platanoides</i> 'Columnare'	<i>Acer pseudoplatanus</i> f. <i>erythrocarpum</i>
20673, U, 1929, 11-SE	155-57, U, 1957, WH2-SW
<i>Acer platanoides</i> 'Crimson King'	<i>Acer pseudoplatanus</i> 'Erectum'
543-53, G, 1953, BR-16-NW	405-91, G, 1991, 8-NE
<i>Acer platanoides</i> 'Dissectum'	<i>Acer pseudoplatanus</i> 'Nizetii'
207-66, G, 1966, WH5-NE	750-55, G, 1955, 53-SE, 57-NE
427-39, G, 1939, 11-NE	
553-93, G, 1993, 11-SE	
<i>Acer platanoides</i> 'Erectum'	<i>Acer pseudosieboldianum</i>
298-50, G, 1950, 11-SE	1400-77, W, Korea, Republic of, 1977, 8-SW
	249-82, Z, Korea, Republic of, 1982, 15-NE
	339-97, W, China, 1997, 11-NW
	345-97, W, China, 1997, 11-SE
<i>Acer platanoides</i> 'Faassen's Black'	<i>Acer pseudosieboldianum</i> ssp. <i>takesimense</i>
394-54, G, 1954, BR-16-NW	1281-83, W, Korea, Republic of, 1983, 57-NE, EG-2
	581-87, W, Korea, Republic of, 1987, 11-NE, 11-NW
<i>Acer platanoides</i> 'Goldsworth Purple'	<i>Acer pseudosieboldianum</i> var. <i>koreanum</i>
98-65, G, 1965, BR-16-NE	180-95, Z, Korea, Republic of, 1995, 10-SW 486-83, W, Korea, Republic of, 1983, 62-NW
<i>Acer platanoides</i> 'Natorp'	<i>Acer pubinerve</i>
553-53, G, 1953, WH2-SW	50-90, W, China, 1990, 15-NE
<i>Acer platanoides</i> 'Rubrum'	<i>Acer pubipalmatum</i>
22758, U, year unknown, 11-SE	295-94, U, 1994, 15-NE
146-90, U, 1990, 8-SE	320-2004, W, China, 2004, 15-NE, 26-SE
495-41, U, 1941, 11-SE	
<i>Acer platanoides</i> 'Schwedleri'	<i>Acer rubrum</i>
22747, U, 1942, 22-SE	1196-84, W, United States, 1984, 11-NE, 5-SE
12549-1, G, 1883, 11-SE	12554, U, 1895, 3-SW
<i>Acer platanoides</i> 'Stand Fast'	15350, U, 1924, 11-NW
406-82, U, 1982, DGB	23068, U, 1954, 5-NW
	207-2005, W, United States, 2005, 8-NE,
<i>Acer platanoides</i> 'Summershade'	11-NE, 59-SE
907-58, G, 1958, WH2-SW	505-38, U, 1938, 3-SE
<i>Acer platanoides</i> 'Superform'	
382-63, G, 1963, WH5-NE	

- 524-2009, U, 2009, 11-SW
 525-2009, U, 2009, 11-SW
 688-39, U, 1939, 3-SE, 5-NE
 875-93, W, Canada, 1993, 5-NE
- Acer rubrum* 'Armstrong'
 491-51, G, 1951, 11-NE
- Acer rubrum* 'Columnare'
 3710, U, 1889, 11-NE
- Acer rubrum* 'Franksred'
 168-2002, G, 2002, LG-PER-W
- Acer rubrum* 'October Glory'
 169-2002, G, 2002, LG-PER-W
- Acer rubrum* 'Schlesingeri'
 3256, G, 1888, 3-NE
 408-91, G, 1991, BR-FAXON-POND
- Acer rubrum* var. *trilobum*
 596-39, U, 1939, 3-NE, 3-SE, 5-NE
- Acer rufinerve*
 1430-77, G, Japan, 1977, 11-SE
 342-75, U, 1975, 11-SE
 674-85, W, Japan, 1985, DGB
 972-76, U, 1976, 11-SW
- Acer aff. rufinerve*
 116-2001, W, Japan, 2001, 57-NE
- Acer saccharinum*
 12560, U, United States, 1881, 5-SW
 22859, U, 1950, 5-SE, 8-SE
 1142-85, W, United States, 1985, 8-NW, 8-SW
 346-91, W, United States, 1991, 11-SE, 3-SE
 357-2010, U, 2010, 52-SW
 956-85, W, Canada, 1985, 8-SW
- Acer saccharinum* 'Beebe Cutleaf Weeping'
 555-53, G, 1953, 8-SE
- Acer saccharinum* 'Lutescens'
 677-54, U, 1954, 8-SW
- Acer saccharinum* f. *laciniatum*
 201-55, U, 1955, 8-SW
- Acer saccharum*
 150-2011 - 154-2011, U, 2011, 30-NW
 155-2011, U, 2011, 13-NE
 157-2011, U, 2011, 13-NW
 158-2011, U, 2011, 9-SE
 171-82, W, United States, 1982, 49-SE
 187-2006, W, United States, 2006, 8-SE,
 11-SE, 62-SW, WH5-NW
 1203-85, W, United States, 1985, 55-SE
 12565, W, United States, 1883, 11-SE
 20645, U, 1928, 11-NE
 22834, G, United States, 1950, 11-NW, 15-NE
 22860, U, 1950, 13-SW
 236-2010 – 238-2010, U, 2010, 7-SW
 239-2010 – 245-2010, U, 2010, 10-NW
 246-2010, U, 2010, 10-SW
 531-2008, U, 2008, 4-NE
 533-2008, U, 2008, 4-NE
 655-93, W, United States, 1993, 20-SE, 26-NE,
 33-NW
 666-2008, U, 2008, 1-SW
 666-2010, 667-2010, 672-2010, 673-2010, U,
 2010, 57-SE
 683-2010 - 689-2010, U, 2010, 62-NW
- Acer saccharum* 'Newton Sentry'
 2119, U, 1885, 11-NE
 374-33, U, 1933, 53-SE
- Acer saccharum* 'Temple's Upright'
 11039, G, 1921, 11-NE
- Acer saccharum* ssp. *floridanum*
 559-2003, W, United States, 2003, BR-16-NW
 572-2003, W, United States, 2003, 11-NE
 582-2003, W, United States, 2003, 11-NE
 621-88, W, United States, 1988, 11-SW, 8-SE
- Acer saccharum* ssp. *nigrum*
 12512, U, 1891, 11-NE
 262-86, W, United States, 1986, 12-SW
 308-89, W, Canada, 1989, 11-NE
- Acer saccharum* ssp. *saccharum*
 1353-84, W, United States, 1984, 11-NW, 8-SW

ACERACEAE: Acer section Saccharina. a-h, *A. saccharum* subsp. *saccharum*; i-l, subsp. *floridanum*



- Acer saccharum* var. *rugelii*
1733, U, United States, 1880, 11-NE

Acer semenovii
123-96, G, 1996, 11-SE

Acer shirasawanum 'Palmatifolium'
270-81, U, 1981, 15-NE, EG-2, 57-NE, 57-SE

Acer shirasawanum var. *tenuifolium*
257-81, U, 1981, 15-NE

Acer sieboldianum
3919, U, 1894, 15-NE, 53-SW
189-86, U, 1986, 59-SW

Acer spicatum
124-2005, W, United States, 2005, 15-NE,
42-NE
359-79, W, United States, 1979, 32-NW
603-2008, W, United States, 2008, 11-SE,
42-NE

Acer stachyophyllum
815-76, U, 1976, 8-SW

Acer stachyophyllum ssp. *betulifolium*
816-76, U, 1976, 11-SE

Acer tataricum ssp. *aidzuense*
1852-77, U, 1977, 15-NE
376-92, U, 1992, 15-NE
542-89, U, 1989, 8-SE, 8-SW

Acer tataricum ssp. *ginnala*
1766-1, G, 1903, 15-NE
377-2001, W, Korea, Democratic People's
Republic of, 2001, 57-NW
701-63, U, 1963, 16-NW
902-85, W, Korea, Republic of, 1985, 15-NE

Acer tataricum ssp. *tataricum*
12476, G, United States, 1883, 15-NE
1115-76, U, 1976, 8-SE
115-2000, W, Russian Federation, 2000,
WH5-NW
1302-80, W, Russian Federation, 1980, 49-NE
239-98, W, Hungary, 1998, 57-NE, 57-SE

Acer tegmentosum
1403-77, W, Korea, Republic of, 1977, 49-NE
49-NW
20848, U, 1925, 10-SE
316-97, W, China, 1997, LG-PER-E
33-95, W, China, 1995, LG-PER-E
369-97, W, China, 1997, 57-NE
525-77, W, Korea, Republic of, 1977, 26-SW
531-94, Z, Korea, Republic of, 1994, 11-SE

Acer trautvetteri
1354-80, W, Russian Federation, 1980, 58-SW

Acer triflorum
18866, U, 1923, 10-SE
1201-82, W, Korea, Republic of, 1982, 27-NE,
EG-8, 38-SW
1217-25, W, Korea, Republic of, 1925, 11-NE
1276-83, W, Korea, Republic of, 1983, 40-SE
1439-52, G, 1952, 11-SE
380-97, W, China, 1997, 11-SE, 16-NW
384-97, W, China, 1997, 15-NE, 3-NW
968-80, Z, Korea, Republic of, 1980, 33-SE
976-87, W, Korea, Republic of, 1987, 11-SW,
15-NE
97-77, U, 1977, 3-NW, 49-NE

Acer truncatum
11472, G, China, 1919, 10-SE
21454, U, 1930, 11-NE

Acer tschonoskii ssp. *tschonoskii*
326-97, W, China, 1997, 11-SE
564-71, U, 1971, 11-NE

Acer velutinum
1329-77, W, Armenia, 1977, 11-NE

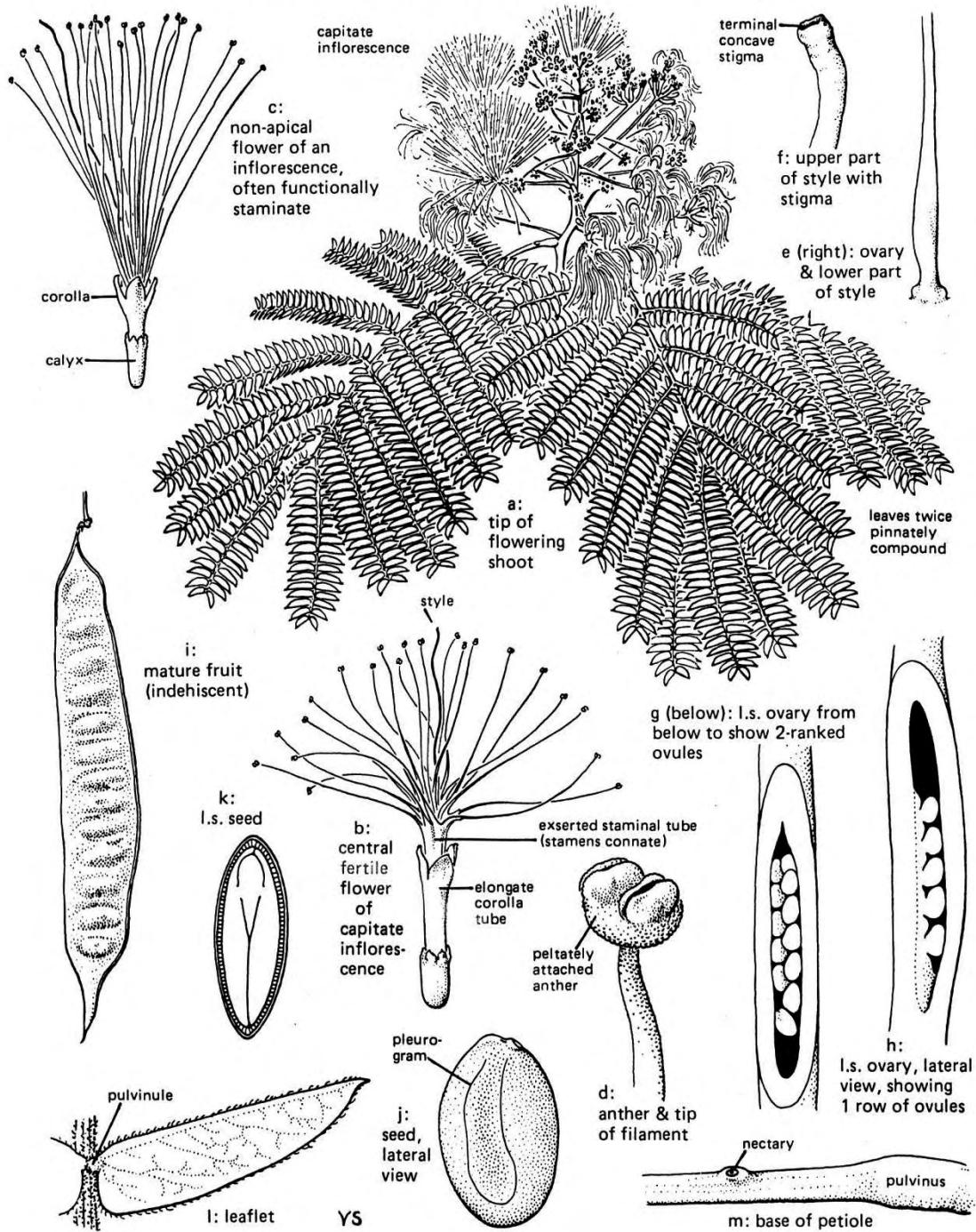
Acer 'White Tigress'
162-99, G, 1999, LG-PER-E

Acer × zoeschense
315-77, U, 1977, 11-NE
753-55, G, 1955, 11-NE, 58-NW

<i>Aconitum sinomontanum</i>	<i>Aesculus × carnea 'Briotii'</i>
394-95, W, China, 1995, 3-NE	237-51, G, 1951, 10-NE
	539-88, U, 1988, 10-NE
<i>Actinidia arguta</i>	<i>Aesculus chinensis</i>
23136, G, 1961, 8-NE	27-2009, W, China, 2009, 10-SE
124-40, U, 1940, 3-NE	
127-40, U, 1940, 3-NE	
403-97, W, China, 1997, LG-10A.9, LG-PER-S	<i>Aesculus chinensis</i> var. <i>chinensis</i>
57-78, G, 1978, 5-SE	156-2001, W, China, 2001, 10-NE
905-85, W, Korea, Republic of, 1985,	
LG-9B.13	
<i>Actinidia coriacea</i>	<i>Aesculus × dupontii</i>
248-86, W, China, 1986, LG-9B.9	12656, G, 1901, 11-NW
	12657, G, 1912, 11-NW
<i>Actinidia eriantha</i>	13396, G, 1907, 10-NE
468-87, W, China, 1987, LG-9C.26	23072, U, 1955, 10-SE
<i>Actinidia kolomikta</i>	236-51, G, 1951, 10-NE
116-89, G, 1989, LG-10A.8	394-57, G, 1957, 11-NW
130-96, W, China, 1996, LG-10B.17	644-29, G, 1929, 10-SE
492-83, W, Korea, Republic of, 1983, 1-SW,	648-29, G, 1929, 11-SW
LG-9C.2	
<i>Actinidia macrospurma</i>	<i>Aesculus flava</i>
257-2006, Z, China, 2006, LG-9C.16	8121, G, 1898, 11-NW
	8123, G, 1900, 10-SE
<i>Actinidia polygama</i>	12651, W, United States, 1906, 11-NW,
1237-83, W, Korea, Republic of, 1983,	11-SW, 57-NE
LG-9C.28	1248-84, W, United States, 1984, 14-NE
298-2001, W, Russian Federation, 2001,	925-79, W, United States, 1979, 10-NE
LG-10A.6	
460-83, W, Japan, 1983, LG-10B.11,	<i>Aesculus glabra</i>
LG-PER-S	23110, W, United States, 1912, 10-NE
<i>Actinidia purpurea</i>	1221-79, W, United States, 1980, 10-NE
593-87, Z, China, 1987, LG-9C.6	
<i>Aesculus sp.</i>	<i>Aesculus glabra</i> var. <i>arguta</i>
274-57, G, 1957, 11-NW	12515, W, United States, 1912, 10-NE
	171-87, Z, United States, 1987, 10-NE
<i>Aesculus × bushii</i>	176-87, Z, United States, 1987, 10-SW
11681, W, United States, 1913, 11-NW	177-87, Z, United States, 1987, 10-SW
58-2000, Z, United States, 2000, 10-SE	535-88, Z, United States, 1988, 53-SE
59-2000, Z, United States, 2000, 10-NE	
<i>Aesculus × carnea</i>	<i>Aesculus glabra</i> var. <i>glabra</i>
323-70, G, 1970, 10-SE	173-87, Z, United States, 1987, 10-NE, 10-SE
	262, W, United States, 1873, 38-SE, 38-SW
	6621, W, United States, 1901, 10-NE
	533-88, Z, United States, 1988, 53-SW
	55-53, G, 1953, 10-NE
<i>Aesculus glabra</i> var. <i>nana</i>	
	509-2010, W, United States, 2010, DGB

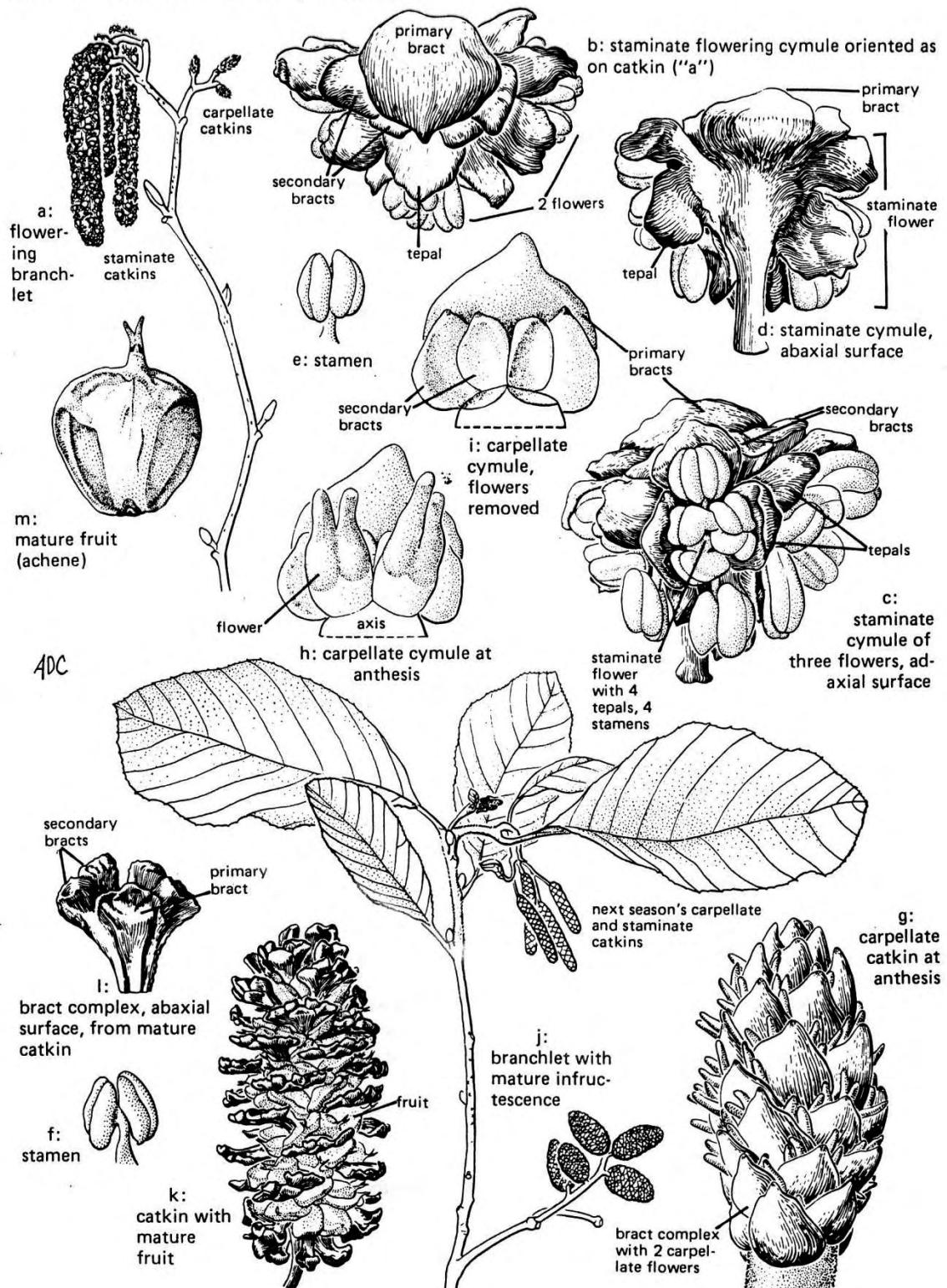
- Aesculus hippocastanum*
 12648, U, 1901, 10-NE
 12650, U, 1907, 10-NE
 538-88, U, 1988, 10-NE
- Aesculus hippocastanum* 'Baumanii'
 12655, G, 1896, 10-NE
 540-88, U, 1988, 34-NE
- Aesculus hippocastanum* 'Laciniata'
 310-2010, G, 2010, DGB
- Aesculus hippocastanum* 'Umbraculifera'
 376-2010, G, 2010, DGB
- Aesculus hippocastanum* 'Wessenlink'
 378-2010, G, 2010, DGB
- Aesculus × hybrida*
 9092, G, 1919, 11-SW
 154-54, G, 1954, 10-NE
 49-47, G, 1947, 10-NE
- Aesculus × mutabilis*
 11817, U, 1922, 11-SW
 45-2000, Z, United States, 2000, 10-NE
- Aesculus parviflora*
 12652, G, 1898, 10-SE
 1252-79, G, 1980, 26-NW
 1393-77, G, 1977, 22-SW
 146-98, G, 1998, 53-SE
 226-2002, G, 2002, 53-SE
 554-2003, W, United States, 2003, 53-SE,
 57-NE, 62-SW
 558-2003, W, United States, 2003, 10-SE
 564-2009, W, United States, 2009, DGB
 571-2003, W, United States, 2003, 62-SW
 99-98, G, 1998, 53-SE, 57-NE
- Aesculus parviflora* f. *serotina*
 12514, W, United States, 1919, 10-NE
- Aesculus pavia*
 101-2007, W, United States, 2007, 10-NE,
 53-SE, 54-SW
 504-80, G, 1980, 10-NE, 10-SE
 599-93, W, United States, 1993, 10-NE
- 66-39, G, 1939, 11-SW
- Aesculus sylvatica*
 10549, W, United States, 1917, 10-NE
 487-2010, W, United States, 2010, DGB
 537-88, Z, United States, 1988, 54-SW
- Aesculus turbinata*
 1204-77, G, 1977, 11-NW
 1212-77, W, Japan, 1977, 10-NE
 219-35, G, 1935, 10-NE
 268-84, W, Japan, 1984, 62-NW
- Ailanthus altissima* f. *erythrocarpa*
 695-80, G, United States, 1980, 8-SW
- Ailanthus altissima* var. *sutchuenensis*
 203-35, G, 1935, 8-SW
- Ailanthus giraldii*
 75-67, U, 1967, 47-SW
- Ailanthus vilmoriniana*
 76-67, U, 1967, 47-SW
- Akebia quinata*
 348-2006, G, 2006, LG-9A.6
 718-86, U, 1986, 44-NE
- Akebia quinata* 'Rosea'
 2033-65, G, 1965, 1-SW
 753-78, G, 1978, 7-NW
- Akebia × pentaphylla*
 729-86, G, 1986, 44-NE
- Albizia julibrissin*
 1158-67, U, 1967, 22-SW
 125-35, U, 1935, 26-SE
 1442-77, W, Korea, Republic of, 1977, 15-SW
 460-67, U, 1967, 3-NW
 488-67, U, 1967, 22-SW
- Albizia julibrissin* 'Ernest Wilson'
 13381, W, Korea, Republic of, 1919, EG-9
 635-68, Z, Korea, Republic of, 1968, 3-SW

FABACEAE (LEGUMINOSAE) subfamily MIMOSOIDEAE: Albizia. a-m, A. julibrissin



<i>Albizia kalkora</i>	<i>Alnus japonica</i>
288-2008, W, China, 2008, EG-11	1464-77, W, Japan, 1977, 3-SE
<i>Alnus crispa</i>	216-97, Z, Japan, 1997, 59-NW
340-75, U, 1975, 8-NE	293-83, W, China, 1983, 8-NW
<i>Alnus firma</i>	432-73, W, Japan, 1973, 3-SE
385-2008, W, Japan, 2008, 5-SE	57-92, W, Japan, 1992, 3-NE
400-2007, W, Japan, 2007, 3-SE	
<i>Alnus glutinosa</i>	<i>Alnus mandshurica</i>
1399-73, U, 1973, 5-SE	366-97, W, China, 1997, 59-NW
223-71, U, 1971, 8-NE	
333-72, U, 1972, 5-NE	<i>Alnus maritima</i>
456-37, U, 1937, 59-SW	1217-4, G, 1923, 5-SE
<i>Alnus glutinosa</i> 'Holden'	<i>Alnus × mayrii</i>
726-62, U, 1962, 59-NW	361-86, W, Korea, Republic of, 1986, 20-NE
<i>Alnus glutinosa</i> 'Laciniata'	<i>Alnus maximowiczii</i>
684-68, G, 1968, 59-NW	1386-77, G, Japan, 1977, 5-NE, 8-SE
<i>Alnus glutinosa</i> ssp. <i>betuloides</i>	1462-77, W, Japan, 1977, 8-NE, 8-SE
623-94, W, Turkey, 1994, 3-NE	288-71, U, 1971, 59-SW, 5-SW
<i>Alnus hirsuta</i>	<i>Alnus serrulata</i>
1390-77, W, Japan, 1977, 3-NE, 3-SE, 5-NE	142-98, Z, United States, 1998, 20-SE
1392-77, G, Japan, 1977, 3-SE	389-2002, Z, United States, 2002, 8-NE
71-92, W, Japan, 1992, 3-SE	
<i>Alnus hirsuta</i> var. <i>microphylla</i>	<i>Alnus sieboldiana</i>
1431-77, G, Japan, 1977, 8-NE	289-2008, W, Japan, 2008, 8-NE
<i>Alnus hirsuta</i> var. <i>sibirica</i>	401-2007, W, Japan, 2007, 3-SE
383-97, W, China, 1997, 30-NW	
395-97, W, China, 1997, 19-SE	<i>Alnus × mayrii</i>
<i>Alnus incana</i>	6-2008, Z, Korea, Republic of, 2008, 3-SE
312-98, W, Finland, 1998, 59-NW	
<i>Alnus incana</i> ssp. <i>rugosa</i>	<i>Alnus × spectabilis</i>
1150-79, W, United States, 1979, 11-NW	390-65, U, 1965, 59-NW
123-88, W, United States, 1988, 8-NE	
125-2005, W, United States, 2005, 5-SE	<i>Amelanchier</i> sp.
544-2008, W, United States, 2008, 8-NE	826-2008, U, 2008, 5-SE
786-93, W, Canada, 1993, 3-SE	869-93, W, Canada, 1993, 5-SW
	<i>Amelanchier alnifolia</i>
	213-84, W, United States, 1984, BR-11
	297-89, W, Canada, 1989, BR-10
	353-84, W, United States, 1984, 8-NE, 8-SE

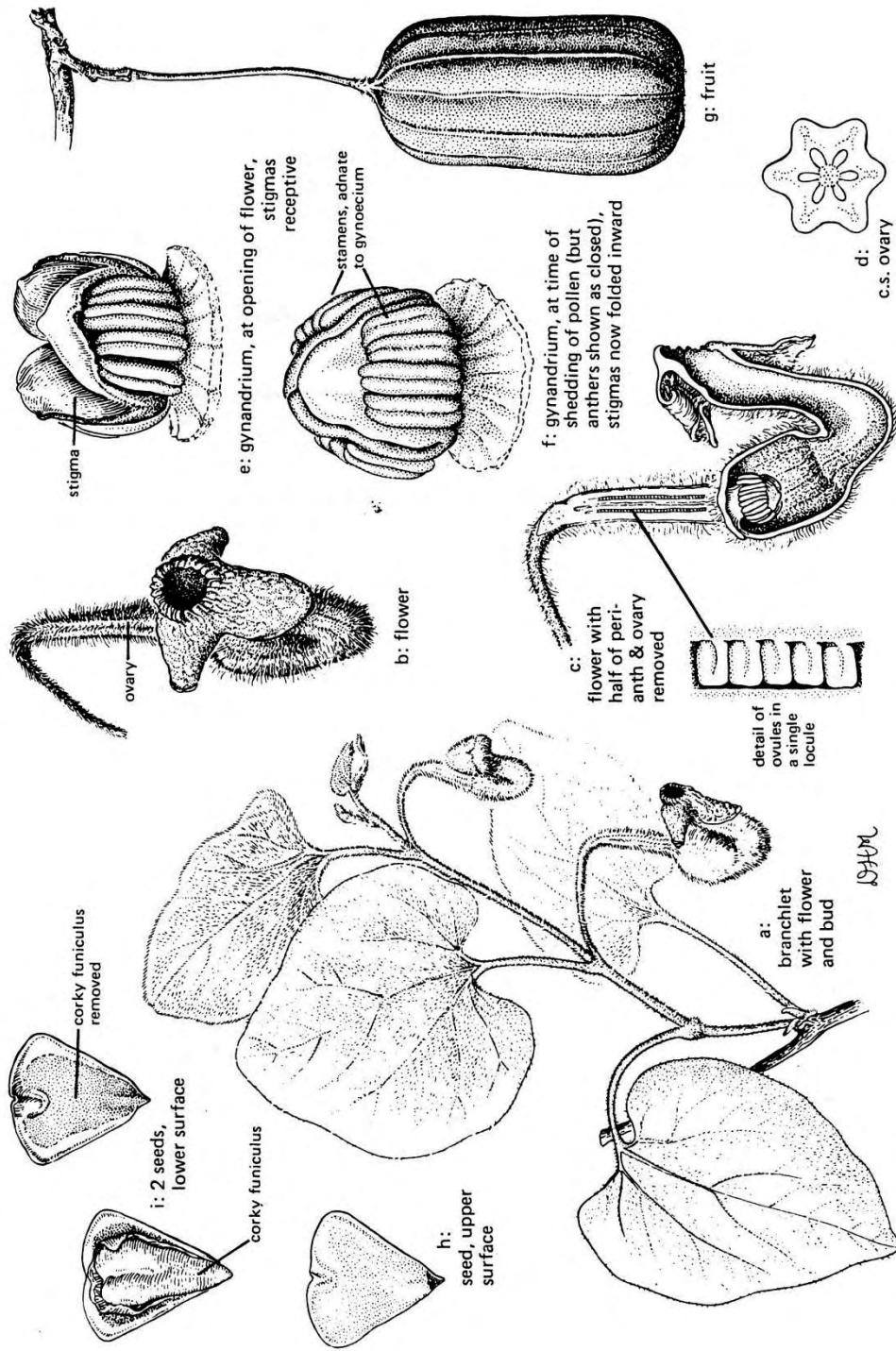
BETULACEAE: *Alnus*. a-m, *A. serrulata*



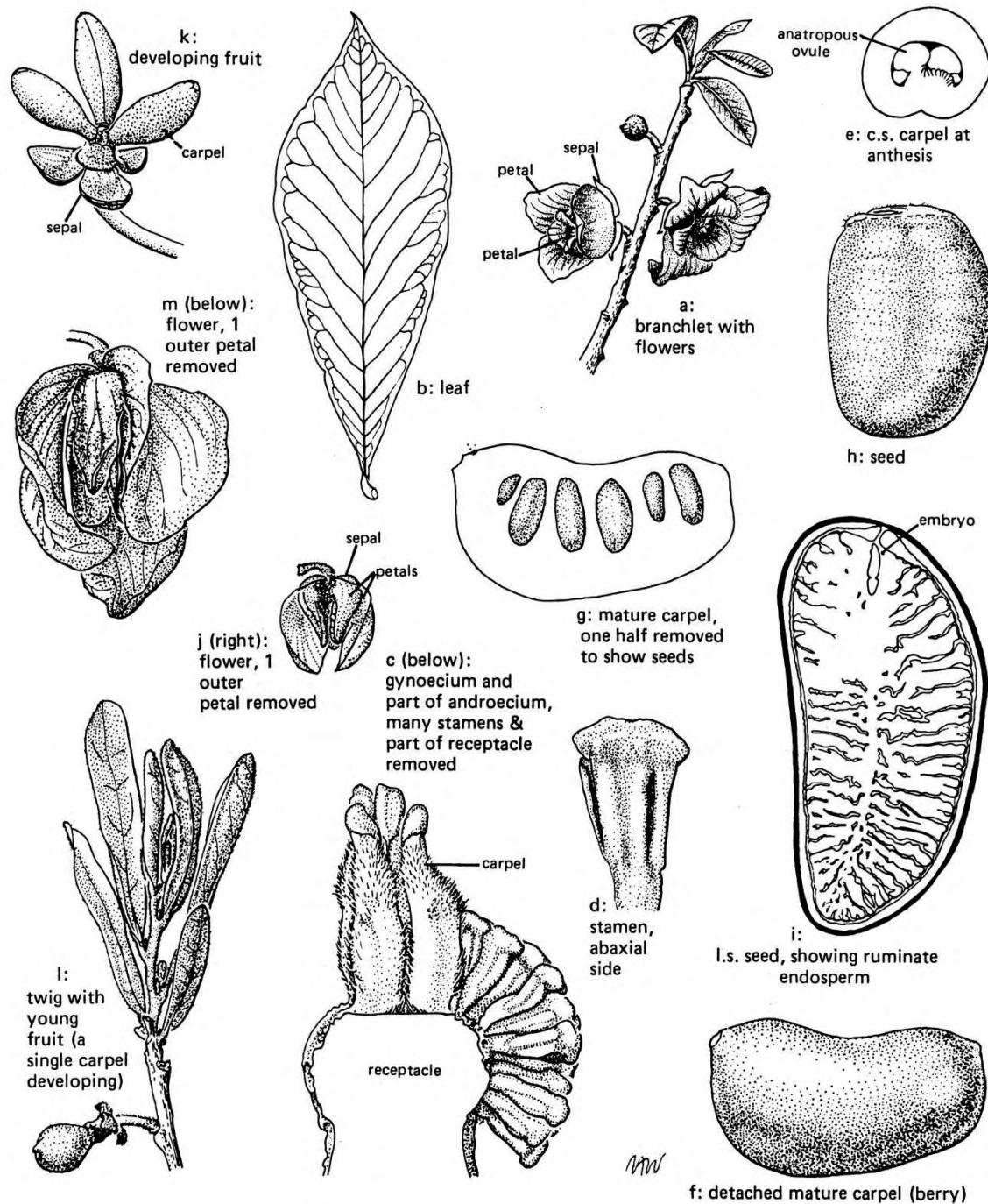
- Amelanchier alnifolia* var. *cusickii*
 1465-83, W, Canada, 1983, 64-NE
 1753-81, W, Canada, 1981, 15-NE
- Amelanchier alnifolia* var. *pumila*
 1321-81, W, United States, 1981, 22-NW
- Amelanchier × aquehongensis*
 403-2005, W, United States, 2005, 8-NW
- Amelanchier arborea*
 11312, U, United States, 1919, 8-SE
 19100, U, United States, year unknown,
 5-SW
 22694, U, 1941, 36-SE
 22805, U, year unknown, 37-NW, 8-SE
 23154, U, year unknown, 11-SW, 14-NE,
 14-NW, 24-NE
 267-2011, U, 2011, 37-NW
 439-67, W, United States, 1967, 8-SE
 807-90, W, United States, 1990, 36-SW
- Amelanchier asiatica* var. *sinica*
 11-99, W, China, 1999, 5-SW
- Amelanchier bartramiana*
 486-84, W, Canada, 1984, DGB
- Amelanchier canadensis*
 5215, W, United States, 1902, 3-SW, 8-NE
 12630, W, United States, 1883, 5-SW
 12632, U, 1913, 5-SW
 19106, U, United States, 1915, 8-SE
 22903, U, 1950, 32-SW, 37-NW,
 BR-FAXON-POND
 12630-1, G, 1904, 5-NW, 8-NE
 285-97, G, 1997, 11-NE, 11-SW, 37-NW, 8-NE
 750-83, U, 1983, 3-NE
 985-84, Z, United States, 1984, BR-14
- Amelanchier florida*
 820-76, U, 1976, 22-NE
- Amelanchier × grandiflora* 'Rubescens'
 11050, U, 1921, 8-SE
- Amelanchier interior*
 19098, W, United States, 1915, 8-NE
- 130-77, W, Canada, 1977, 8-NW
- Amelanchier intermedia*
 321-89, W, Canada, 1989, BR-11
- Amelanchier laevis*
 19150, U, 1925, 3-SE
 19154, U, 1925, 3-SE
 22578, U, 1938, 22-NE
 23203, W, United States, 1883, 5-SW
 147-87, W, United States, 1987, 15-NE
 322-89, W, Canada, 1989, 36-SW, 5-SW
- Amelanchier lamarckii*
 4406, U, Germany, 1892, 5-NW
- Amelanchier nantucketensis*
 256-2001, Z, United States, 2001, LG-1E
 394-2004, W, United States, 2004,
 BR-DAWSON-POND
 400-2003, W, United States, 2003,
 BR-DAWSON-POND
 434-91, W, United States, 1991, 5-SW
 441-91, W, United States, 1991, 5-SW
 463-91, W, United States, 1991, 5-SW
 583-91, W, United States, 1991, 5-SW
 584-91, W, United States, 1991, 5-SW
 585-91, W, United States, 1991, 5-SW
 586-91, W, United States, 1991, 5-SW
 933-89, W, United States, 1989,
 BR-DAWSON-POND
 934-89, W, United States, 1989,
 BR-DAWSON-POND
 936-89, W, United States, 1989,
 BR-DAWSON-POND
 937-89, W, United States, 1989,
 BR-DAWSON-POND, LG-7G
- Amelanchier ovalis*
 18-2002, W, Russian Federation, 2002, 5-SW,
 8-NW
 343-58, U, 1958, 3-SW
- Amelanchier sanguinea*
 6620, U, 1905, 5-NW
 7058, U, 1913, 8-SE
 13190, U, 1921, 8-SE

- Amelanchier spicata*
 10076, U, 1905, 5-NW
 11345, W, United States, 1918, 8-SE
 18099, W, United States, 1905, 8-SE
 19102, W, Canada, 1917, 8-SE
- Amelanchier stolonifera*
 345-96, G, 1996, LG-PER-E
- ✗*Amelasorbus jackii*
 17943, W, United States, 1924, EG-8
- Amorpha fruticosa*
 147-97, Z, United States, 1997, 1-SE, 3-NE
 442-2003, Z, United States, 2003, 27-SE
- Amorpha nana*
 337-84, G, 1984, 27-SW
- Amorpha paniculata*
 21533, W, United States, 1926, 18-SE
- Ampelopsis megalophylla*
 188-2007, Z, China, 2007, LG-10B.3
- Andrachne colchica*
 5376, U, 1906, 18-SE
 719-78, U, 1978, 31-NE
- Andromeda glaucophylla*
 140-87, W, United States, 1987, DGB
 807-93, W, Canada, 1993, LG-6D
- Andromeda polifolia 'Blue Ice'*
 398-2002, G, 2002, LG-6D
- Angelica gigas*
 186-2009, Z, China, 2009,
 BR-DAWSON-POND
- Aralia cachemirica*
 825-76, U, 1976, 21-NE
- Aralia californica*
 243-78, W, United States, 1978, 31-NE
- Aralia continentalis*
 341-97, W, China, 1997, 31-NE
- Aralia elata*
 587-88, W, Korea, Republic of, 1988, 21-NE
- Aralia racemosa*
 61-99, W, United States, 1999, 31-NE
- Arctostaphylos uva-ursi 'Massachusetts'*
 144-2006, G, 2006, LG-7A
- Arisaema thunbergii* ssp. *urashima*
 355-96, G, 1996, DGB
- Arisaema triphyllum*
 1017-80, U, 1980, DGB
- Aristolochia contorta*
 19-2002, W, Russian Federation, 2002,
 LG-10B.18
 309-2001, W, Korea, Republic of, 2001,
 LG-9C.12
- Aristolochia macrophylla*
 1112-88, G, United States, 1988, 1-SW
 43-92, W, United States, 1992, 1-SE
 951-79, W, United States, 1979, 1-NE
- Aristolochia manshuriensis*
 424-87, W, Korea, Republic of, 1987, 1-SE
- Aristolochia tomentosa*
 197-93, W, United States, 1993, LG-9C.14
 668-91, W, United States, 1991, 1-SE
- Aronia arbutifolia*
 14-94, W, United States, 1994, 5-NE
- Aronia melanocarpa*
 1906-81, W, United States, 1981, BR-11
 482-97, W, United States, 1997, BR-14

ARISTOLOCHIACEAE: Aristolochia. a-i, A. tomentosa



ANNONACEAE: *Asimina*. a-i, *A. triloba*; j-l, *A. incana*; m, *A. obovata*

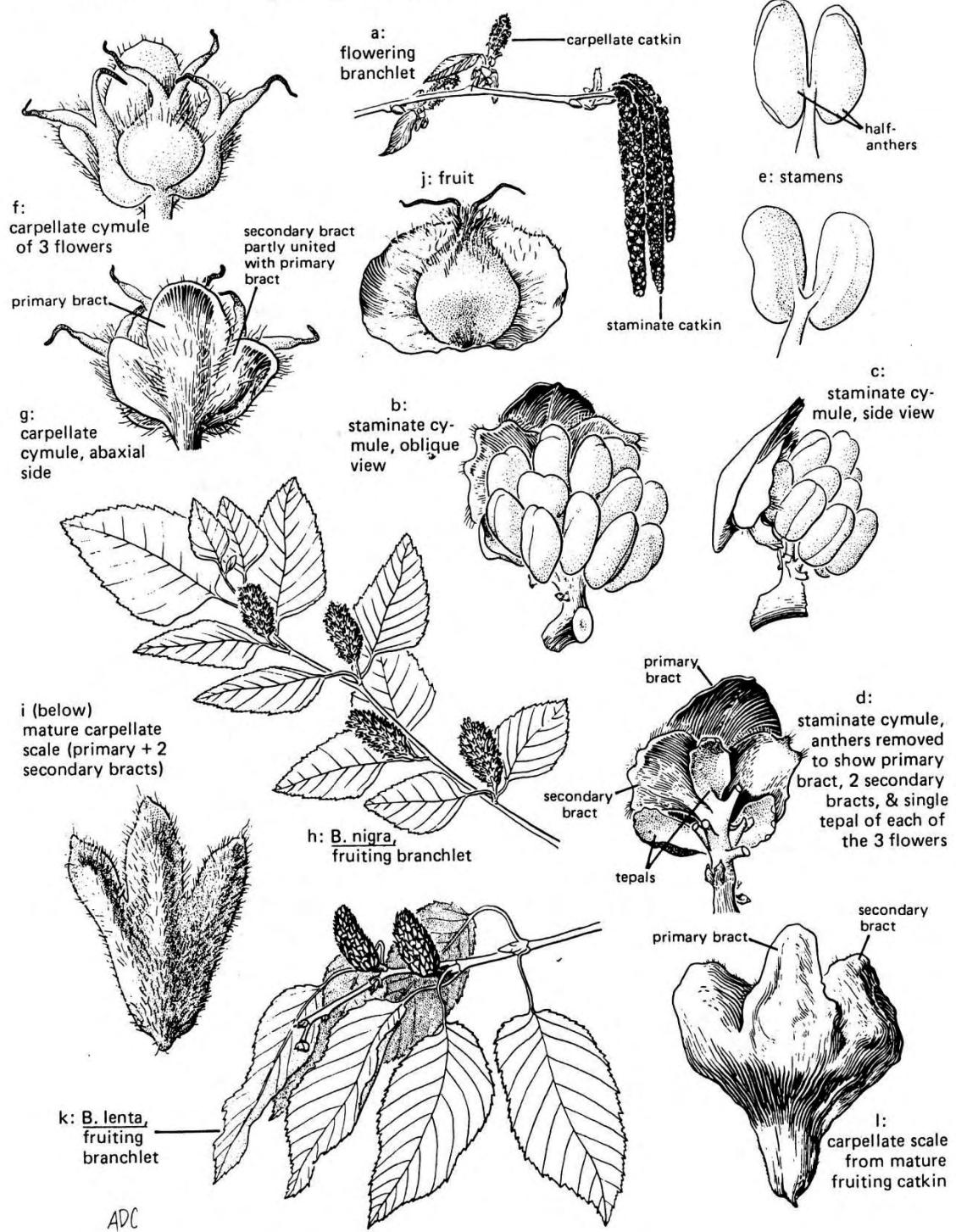


<i>Aronia prunifolia</i> 1389-83, W, United States, 1983, 25-NE, BR-14 578-74, U, 1974, BR-DAWSON-POND	<i>Astilboides tabularis</i> 583-94, G, 1994, 3-NW
<i>Aruncus dioicus</i> 449-93, U, 1993, 3-NW	<i>Aucuba japonica</i> var. <i>japonica</i> 1070-73, G, 1973, 19-NW
<i>Arundinaria gigantea</i> 27-88, W, United States, 1988, 44-NE	<i>Berberis aetnensis</i> 205-89, W, France, 1989, EG-9
<i>Arundinaria pygmaea</i> 262-85, U, 1985, 29-SE	<i>Berberis aggregata</i> 449-87, W, China, 1987, 3-SW
<i>Arundinaria simonii</i> var. <i>variegata</i> 366-80, U, 1980, 10-NW	<i>Berberis amurensis</i> 140-83, W, Russian Federation, 1983, 3-SW 464-94, W, Russian Federation, 1994, 5-SW
<i>Arundinaria viridi-striata</i> 22510, U, 1936, 10-NE	<i>Berberis amurensis</i> var. <i>latifolia</i> 582-87, W, Korea, Republic of, 1987, 3-SW, 5-NW
<i>Asarum canadense</i> 204-2006, G, 2006, LG-7B, LG-7E 443-94, G, 1994, 3-NW	<i>Berberis asiatica</i> 355-92, U, 1992, 4-NE
<i>Asarum europaeum</i> 182-2002, G, 2002, LG-8K 202-2006, G, 2006, LG-7E 442-94, G, 1994, 3-NW 544-68, U, 1968, DGB	<i>Berberis brachypoda</i> 978-83, U, 1983, 34-SE, 39-NE
<i>Asarum splendens</i> 514-91, G, 1991, DGB	<i>Berberis candidula</i> 787-82, U, 1982, EG-8
<i>Asarum virginicum</i> 678-69, W, United States, 1969, DGB	<i>Berberis × chenaultii</i> 22400, U, 1933, 31-NE
<i>Asimina triloba</i> 12708, U, 1903, 24-NE 1222-79, W, United States, 1980, 51-NW 143-94, W, United States, 1994, 51-NW 205-91, W, Canada, 1991, 51-NW	<i>Berberis chitria</i> 364-92, U, 1992, EG-4, EG-5
<i>Astilbe rivularis</i> 771-94, W, China, 1994, 1-SE, EG-9	<i>Berberis crataegina</i> 701-89, W, Iran, 1989, 26-SE
<i>Astilbe thunbergii</i> var. <i>congesta</i> 329-95, G, 1995, 1-SE	<i>Berberis × declinata</i> 358-92, U, 1992, EG-6
	<i>Berberis dielsiana</i> 173-83, W, China, 1983, 4-NE 371-92, Z, China, 1992, 7-NW
	<i>Berberis × emarginata</i> 825-80, U, 1980, 1-SE

<i>Berberis francisci-ferdinandi</i>	<i>Berberis poiretii</i>
370-92, U, 1992, 26-SE	1453-77, W, Korea, Republic of, 1977, 8-NW 2-2001, W, China, 2001, 8-NW
<i>Berberis gilgiana</i>	<i>Berberis polyantha</i>
906-87, Z, China, 1987, 3-SW	359-92, U, 1992, 4-NE
<i>Berberis × gladwynensis</i> 'William Penn'	<i>Berberis quelpaertensis</i>
250-97, G, 1997, 3-NW	1265-83, W, Korea, Republic of, 1983, 3-SW
826-80, G, 1980, 3-NW	1449-77, G, Korea, Republic of, 1977, 2-NE
<i>Berberis gyalaica</i>	<i>Berberis regeliana</i>
366-92, U, 1992, 32-SE, EG-6	1440-77, W, Japan, 1977, 1-NE 1441-77, W, Japan, 1977, 51-SE 363-92, Z, 1992, 26-SE
<i>Berberis julianae</i>	<i>Berberis thibetica</i>
6800, W, China, 1908, 18-SE	360-92, Z, China, 1992, 18-SE, EG-7
7178, W, China, 1908, 18-SE	428-94, Z, China, 1994, 26-SE
24-83, Z, China, 1983, EG-8	
25-83, Z, China, 1983, 2-SE	
33-82, Z, China, 1982, EG-6, EG-6	
34-82, Z, China, 1982, 4-NE	
<i>Berberis julianae</i> 'Nana'	<i>Berberis thunbergii</i>
1086-56, G, 1956, 31-NE	1040-90, W, Japan, 1990, 26-SE
1964-77, G, 1977, 3-SW	
487-57, G, 1957, 31-NE	
<i>Berberis koreana</i>	<i>Berberis thunbergii</i> 'Inermis'
1135-83, G, Korea, Republic of, 1983, 3-SW	372-95, U, 1995, 5-NW
583-87, W, Korea, Democratic People's	
Republic of, 1987, 5-NW	
791-82, Z, Korea, Republic of, 1982, 2-NE	
<i>Berberis lecomtei</i>	<i>Berberis thunbergii</i> 'Rose Glow'
488-94, U, 1994, 26-SE	491-69, G, 1969, DGB
<i>Berberis × macracantha</i>	<i>Berberis virescens</i>
354-92, U, 1992, 32-SE	950-83, U, 1983, 2-SE
<i>Berberis × mentorensis</i>	<i>Berberis virgetorum</i>
792-82, G, 1982, 51-SE	341-81, U, 1981, 3-SW
<i>Berberis × notabilis</i>	<i>Berberis vulgaris</i>
362-92, G, 1992, 26-NW	158-94, W, Switzerland, 1994, 7-NW, EG-3 538-78, W, Denmark, 1978, 3-SW
<i>Berberis × ottawensis</i> 'Superba'	<i>Berberis wilsonae</i>
975-83, G, 1983, 1-NE	450-87, W, China, 1987, 4-NE, 4-NW, 5-NW 597-95, W, country unknown, 1995, 26-SE
	<i>Berchemia scandens</i>
	250-89, W, United States, 1989, LG-10B.8, LG-PER-S

- Betula* sp.
260-95, U, 1995, 55-NE
- Betula albo-sinensis*
121-2007, W, China, 2007, 42-NE, EG-3
- Betula alleghaniensis*
12843, W, United States, 1900, 14-SW
104-79, W, Canada, 1979, 36-NW
1377-85, W, United States, 1985, 52-SW
299-85, W, United States, 1985, 52-SW
554-91, W, United States, 1991, 20-NW
626-92, W, United States, 1992, 42-NE
629-83, W, United States, 1983, 14-SW,
20-NW
- Betula apoiensis*
1427-77, W, Japan, 1977, 14-NW
68-92, W, Japan, 1992, 14-NW
- Betula × caerulea*
242-80, U, 1980, 20-SW
275-89, U, 1989, 14-NW
- Betula chichibuensis*
389-93, G, Japan, 1993, 26-NW
- Betula chinensis*
4-95, W, China, 1995, 14-SW
- Betula costata*
373-97, W, China, 1997, 14-SW
5-95, W, China, 1995, 19-SE
664-79, W, Korea, Republic of, 1979, 19-SE
- Betula dahurica*
12793, U, 1910, 20-SW
1015-80, W, Japan, 1980, 34-NE
1438-77, G, Korea, Republic of, 1977, 19-NE
1707-77, G, Korea, Republic of, 1977, 20-SW
171-79, W, Korea, Republic of, 1979, 26-NW
364-97, W, China, 1997, EG-3
438-68, W, Korea, Republic of, 1968, 26-NW
499-83, W, Korea, Republic of, 1983, 39-NE
- Betula ermanii*
1172-88, W, Russian Federation, 1988, 19-NE
276-89, Z, Korea, Republic of, 1989, 13-NE
- 351-97, W, China, 1997, 13-SE
- Betula ermanii* var. *ganjuensis*
37-2005, Z, Korea, Republic of, 2005, 13-SE,
19-NE
- 651-79, W, Korea, Republic of, 1979, 39-NW
- Betula globisepica*
10-88, W, Japan, 1988, 26-NW
- Betula grossa*
3114, W, Japan, 1893, 26-NW
199-2007, W, Japan, 2007, 20-NW
- Betula × jackii*
1165-83, G, 1983, 19-SE
492-82, G, 1982, 39-NE
- Betula jacquemontii*
74-94, W, India, 1994, 14-SW
- Betula lenta*
17679, W, United States, 1904, 14-SW
126-2005, W, United States, 2005, 20-NW
145-2011 – 149-2011, U, 2011, 30-SE, 30-NW
159-2011, U, 2011, 30-SE
215-2011, U, 2011, 31-SW
265-2011, U, 2011, 37-NW
23028, U, year unknown, 37-SW
292-97, G, 1997, 10-SE
499-2009, U, 2009, 11-SW
535-2009, U, 2009, 11-SW
628-88, W, United States, 1988, 13-NE
632-2008, U, 2008, 15-NE
- Betula litwinowii*
1347-77, W, Armenia, 1977, 26-NW
1374-80, W, Russian Federation, 1980, 39-NE
- Betula mandshurica*
465-94, W, Russian Federation, 1994, 19-NE
- Betula maximowicziana*
1078-76, W, Japan, 1976, 13-SE
1118-76, U, 1976, 31-SW

BETULACEAE: *Betula*. a-j, *B. nigra*; k, l, *B. lenta*



- Betula maximowicziana* × *ermanii*
16-98, W, Japan, 1998, 14-SW
- Betula maximowicziana* × *papyrifera*
122-2007, G, 2007, 14-SW
- Betula nigra*
1199, W, United States, 1877, 13-NE, 13-SE
1251-79, W, United States, 1979, 13-SE
339-95, U, 1995, 19-SE
- Betula occidentalis* var. *occidentalis*
100-78, W, Canada, 1978, 39-NE
389-2007, Z, Canada, 2007, 38-SW
1314-79, W, United States, 1979, 35-NE
- Betula papyrifera*
7457, U, China, year unknown, 19-NE
12839, U, 1903, 26-NW
12852, U, 1905, 13-SE, 20-NW
22864, U, year unknown, 57-NE
1201-85, W, United States, 1985, 62-NW
142-85, W, Canada, 1985, 55-SE
1472-83, W, Canada, 1983, 34-SE
573-2008, W, United States, 2008, 20-NW
672-54, G, 1954, 20-NW
- Betula papyrifera* var. *cordifolia*
298-82, Z, United States, 1982, 41-NE
- Betula papyrifera* var. *humilis*
980-82, W, Canada, 1982, 58-SW
- Betula papyrifera* var. *papyrifera*
23249, G, 1969, 30-SW
- Betula papyrifera* var. *subcordata*
311-88, Z, United States, 1988, 26-NW
594-61, Z, United States, 1961, 19-NE
- Betula pendula*
105-96, Z, Czech Republic, 1996, 19-SE
- Betula aff. pendula*
1319-85, W, Turkey, 1985, 14-NW
- Betula pendula* f. *gracilis*
280-89, G, 1989, 20-SW
- Betula pendula* f. *youngii*
356-71, G, 1971, 13-SE
- Betula platyphylla*
104-93, W, China, 1993, 19-NE
- Betula platyphylla* var. *japonica*
72-92, W, Japan, 1992, 19-SE
- Betula populifolia*
127-2005, W, United States, 2005, 20-NW
1536-83, W, Canada, 1983, 19-NE
1586-81, W, United States, 1981, 39-NW
193-89, W, United States, 1989, 19-SE
595-2008, W, United States, 2008, 20-NW
- Betula pubescens*
196-86, W, Sweden, 1986, 20-SW
284-95, W, Iceland, 1995, 49-SW
353-93, W, Iceland, 1993, 49-SW
439-85, W, Norway, 1985, 26-NW
569-50, U, 1950, 20-NW
669-51, G, 1951, 14-NW, 20-NW
- Betula pubescens* ssp. *tortuosa*
410-84, W, Sweden, 1984, 20-NW
438-85, W, Norway, 1985, 20-SW, 26-NW
490-87, W, Sweden, 1987, 14-SW
- Betula pubescens* var. *carpatica*
1231-50, G, 1950, 20-NW
- Betula pumila*
800-93, W, Canada, 1993, LARZ-B
- Betula schmidtii*
7486, U, 1896, 26-NW, 26-SW
1422-77, W, Japan, 1977, 31-NW, 31-SW
241-2001, W, Korea, Republic of, 2001,
14-SW, 20-NW
251-98, W, Russian Federation, 1998, 14-SW,
19-NE
- Betula turkestanica*
334-2008, W, Tajikistan, 2008, 19-NE
- Betula uber*
1433-84, Z, United States, 1984, 19-NE

<i>Betula utilis</i> ssp. <i>utilis</i> 355-2001, W, China, 2001, 14-SW	<i>Buxus 'Green Gem'</i> 339-2002, G, 2002, LG-2F, LG-8H
<i>Bignonia capreolata</i> 158-88, W, United States, 1988, 1-SW	<i>Buxus 'Green Mountain'</i> 340-2002, G, 2002, LG-6B
<i>Bignonia capreolata</i> 'Tangerine Beauty' 349-2006, G, 2006, LG-9A.11	<i>Buxus microphylla</i> 184-2000, G, 2000, LG-1B
<i>Boehmeria biloba</i> 331-2004, Z, Japan, 2004, LG-7I	<i>Buxus microphylla</i> var. <i>japonica</i> 860-79, W, Japan, 1979, 39-NE 863-79, W, Japan, 1979, 7-NE, 7-NW 864-79, W, Japan, 1979, EG-8 865-79, W, Japan, 1979, EG-8
<i>Broussonetia kazinoki</i> 362-86, W, Korea, Republic of, 1986, 21-SW	<i>Buxus sempervirens</i> 1120-64, Z, Russian Federation, 1964, 18-SE 113-64, Z, Romania, 1964, 24-NE 116-64, Z, Romania, 1964, 18-SE 131-64, Z, Romania, 1964, 25-NW 17813, U, 1922, 24-NE 21279, U, 1930, 24-NE 21658, G, United States, 1926, 24-NE 22684, U, 1941, 24-NE
<i>Broussonetia papyrifera</i> 1678-80, W, China, 1980, 20-NE	<i>Buxus sempervirens</i> 'Aureo-variegata' 410-96, G, 1996, LG-7H
<i>Buckleya distichophylla</i> 245-46, Z, United States, 1946, 41-SE	<i>Buxus sempervirens</i> 'Belleville' 1184-63, G, 1963, 18-SE
<i>Buddleia</i> sp. 652-91, W, United States, 1991, 19-NW	<i>Buxus sempervirens</i> 'Inglis' 433-43, G, 1943, 24-NE
<i>Buddleia albiflora</i> 13-92, G, 1992, 18-NE, 18-NW	<i>Buxus sempervirens</i> 'Northern Find' 393-63, G, 1963, 18-SE
<i>Buddleia alternifolia</i> 15605, U, 1923, EG-9 20587, W, China, 1926, 18-SE 14-92, Z, China, 1992, 18-NE 891-81, Z, China, 1981, 18-SE	<i>Buxus sempervirens</i> 'Pendula' 21074, G, 1930, 24-NE
<i>Buddleia alternifolia</i> 'Argentea' 1129-61, G, 1961, 18-SE 685-88, G, 1988, 18-NE, 31-NE 968-62, G, 1962, EG-9	<i>Buxus sempervirens</i> 'Rotundifolia' 408-97, Z, Japan, 1997, LG-2K 754-34, G, 1934, 24-NE
<i>Buddleia davidii</i> 566-88, W, China, 1988, 18-SE	<i>Buxus sempervirens</i> 'Vardar Valley' 352-35, Z, Macedonia, 1935, 24-NE 417-2002, Z, 2002, LG-2I, LG-7H
<i>Buddleia japonica</i> 7-92, Z, Japan, 1992, 18-NE	
<i>Bumelia lanuginosa</i> var. <i>oblongifolia</i> 12877, W, United States, 1901, 19-NW	

- Buxus sinica*
1401-82, U, 1982, EG-9
- Buxus sinica* var. *insularis*
11323, W, Korea, Republic of, 1919, EG-8
811-35, U, 1935, 24-NE
- Callicarpa bodinieri* var. *giraldii*
151-76, U, 1976, 19-NW
31-92, U, 1992, 26-NE
360-76, U, 1976, 15-SE
- Callicarpa cathayana*
491-2003, U, 2003, LG-7F
- Callicarpa dichotoma*
145-23, U, 1923, EG-9
321-78, U, 1978, 15-SW
363-86, W, Korea, Republic of, 1986, 49-NE
501-90, W, Japan, 1990, 18-SE
55-90, W, Korea, Republic of, 1990, 14-NE
618-88, W, Korea, Republic of, 1988, 26-SW
985-85, W, Korea, Republic of, 1985, EG-6
- Callicarpa japonica*
12937, W, Korea, Republic of, 1916, EG-9
355-2004, W, Korea, Republic of, 2004,
LG-2H
379-86, W, Korea, Republic of, 1986, 51-NW
433-2003, Z, Korea, Republic of, 2003, LG-7F
52-92, W, Japan, 1992, 26-NW
862-84, Z, Korea, Republic of, 1984, 27-NE
- Callicarpa japonica* 'Leucocarpa'
813-88, G, 1988, 26-SW
- Callicarpa japonica* var. *luxurians*
1224-83, W, Korea, Republic of, 1983, 55-NE
- Callicarpa kwangtungensis*
203-2000, W, China, 2000, LG-7D
- Callicarpa mollis*
389-2008, W, Japan, 2008, 15-SE, WH2-SW
- Calluna vulgaris*
310-98, W, Finland, 1998, DGB
- Calluna vulgaris* 'Bronze Beauty'
200-2006, G, 2006, LG-8H
- Calluna vulgaris* 'J. H. Hamilton'
172-2007, G, 2007, LG-8F
- Calluna vulgaris* 'Marleen'
168-2007, G, 2007, LG-1B
- Calluna vulgaris* 'Martha Hermann'
171-2007, G, 2007, LG-8H
- Calluna vulgaris* 'Robert Chapman'
194-2007, G, 2007, LG-6C
- Calluna vulgaris* 'Silver Knight'
170-2007, G, 2007, LG-8C
- Calocedrus decurrens*
4000, W, United States, 1898, 42-SW
1531-80, Z, United States, 1980, 5-NE
224-49, Z, United States, 1949, 41-NE
292-80, Z, United States, 1980, 36-NE
381-78, U, 1978, 5-NE
450-86, W, United States, 1986, 56-NW
525-2002, W, United States, 2003, 27-NE
- Calycanthus chinensis*
607-94, W, China, 1994, LG-3J
785-94, G, China, 1994, 19-NW, 38-NW
- Calycanthus floridus*
5255, W, United States, 1906, 3-SW
102-2007, W, United States, 2007, 5-NW
157-88, W, United States, 1988, 5-SW
27-81, G, 1981, 5-NE
568-59, W, United States, 1959, 3-NE
866-81, Z, United States, 1981, 2-NE
869-81, Z, United States, 1981, 2-SE
934-79, W, United States, 1979, 3-SW
- Calycanthus floridus* 'Athens'
257-2000, G, 2000, LG-3F
- Calycanthus floridus* var. *floridus*
805-57, Z, United States, 1957, 3-SW

<i>Calycanthus floridus</i> var. <i>laevigatus</i>	766-88, U, 1988, 27-SE
1288-73, U, 1973, 3-SW	
<i>Calycanthus</i> 'Michael Lindsey'	<i>Caragana arborescens</i> 'Nana'
406-2002, G, 2002, LG-3J	2894, G, 1908, BR-14
<i>Calycanthus occidentalis</i>	<i>Caragana arborescens</i> 'Pendula'
287-84, W, United States, 1984, 2-NE	1115-83, G, 1983, 27-SW
373-2006, W, United States, 2006, 19-NW	
<i>Calycanthus</i> × <i>rolstonii</i> 'Hartlage Wine'	<i>Caragana boisii</i>
53-2001, G, 2001, LG-3F	384-95, U, 1995, 27-SW
<i>Calycanthus</i> 'Venus'	<i>Caragana brevispina</i>
107-2004, G, 2004, LG-3F	509-2003, Z, Nepal, 2003, 27-SW
<i>Camellia japonica</i>	680-86, U, 1986, 27-SE
174-2007, W, Korea, Republic of, 2007, 3-NW	
181-2007, W, Korea, Republic of, 2007, 3-NW	<i>Caragana decorticans</i>
<i>Campsis grandiflora</i>	1100-76, U, 1976, 15-SW
1231-79, W, United States, 1980, 25-NE	908-81, U, Afghanistan, 1981, 27-SE
810-94, G, China, 1994, LG-9C.9	
<i>Campsis radicans</i>	<i>Caragana franchetiana</i>
20298, U, 1930, 16-NE	515-2003, U, 2003, LG-2E
23022, U, 1953, 30-SW	
124-32, G, 1932, 39-SE	<i>Caragana frutex</i>
142-83, W, United States, 1983, 45-NW	898-87, G, 1987, 27-SE
206-91, W, Canada, 1991, LG-10B.6	
626-91, W, United States, 1991, LG-9C.11	<i>Caragana gerardiana</i>
<i>Campsis radicans</i> 'Apricot'	773-82, G, 1982, 27-SE
721-86, Z, United States, 1986, 31-NE	
<i>Campsis radicans</i> 'Flava'	<i>Caragana microphylla</i>
351-2006, G, 2006, 1-SE, LG-9C.19	514-2003, G, China, 2003, 27-SW
<i>Campsis</i> × <i>tagliabuana</i> 'Madame Galen'	
352-2006, G, 2006, LG-9C.7	<i>Caragana rosea</i>
	1120-83, Z, China, 1983, 27-SE
<i>Caragana arborescens</i>	523-84, Z, China, 1984, 21-NW
1108-83, G, 1983, 27-SW	
12949-1, G, 1898, BR-16-NE	<i>Carpinus</i> sp.
912-81, G, 1981, 27-SE	8-95, W, China, 1995, 30-NW, 31-SE, 32-SW
<i>Caragana arborescens</i> 'Lorbergii'	
414-92, G, 1992, 27-SW	<i>Carpinus betulus</i>
	12883, U, Japan, 1886, 53-NW
	103-31, G, 1931, 32-SW
	120-74, W, Croatia, 1974, 31-SE, 37-NW
	125-74, U, 1974, 32-SW
	22053, G, 1932, 31-SE, 32-SW
	347-75, U, 1975, 31-SE
	377-90, W, Germany, 1990, 31-SE
	704-89, W, Iran, 1989, 32-SW

- Carpinus betulus* 'Fastigiata'
45-90, U, 1990, 36-NE, 37-NW

Carpinus caroliniana
106-79, W, Canada, 1979, 62-SE
121-85, W, United States, 1985, 31-SE
1250-79, W, United States, 1980, 31-SE
293-97, G, 1997, 54-SW, 62-SE
970-79, W, United States, 1979, 31-SE

Carpinus caroliniana var. *virginiana*
18310, U, 1925, 31-SE
22865, U, 1950, 52-SW
1375-83, W, country unknown, 1983,
 37-NW
203-71, W, Canada, 1971, 31-SE
467-72, U, 1972, 31-NE

Carpinus cordata
1468-77, W, Japan, 1977, 44-SE, 62-SE

Carpinus fargesiana
703-94, W, China, 1994, 32-SW

Carpinus henryana
207-82, G, 1982, 44-SE

Carpinus japonica
117-91, Z, Japan, 1991, 37-NW
44-2004, Z, Japan, 2004, 32-SW

Carpinus laxiflora
505-83, W, Korea, Republic of, 1983, 31-SE
908-85, W, Korea, Republic of, 1985, 32-SW
973-85, W, Korea, Republic of, 1985, 31-SE,
 32-SW

Carpinus monbeigiana
452-87, W, China, 1987, 32-SW

Carpinus orientalis
1223, G, 1873, 32-SW
320-29, U, 1929, 31-SE
39-76, U, 1976, 31-SE, 32-SW, 62-NW
706-89, W, Iran, 1989, 32-SW

Carpinus tschonoskii
111-98, W, Japan, 1998, 37-NW

Carpinus turczaninowii
1231-83, W, Korea, Republic of, 1983, 26-SW
269-2008, W, Japan, 2008, 31-SE
72-68, U, 1968, 31-SE

Carya sp.
524-2008, U, 2008, 4-NE
525-2008, U, 2008, 4-NE
529-2008, U, 2008, 4-NE

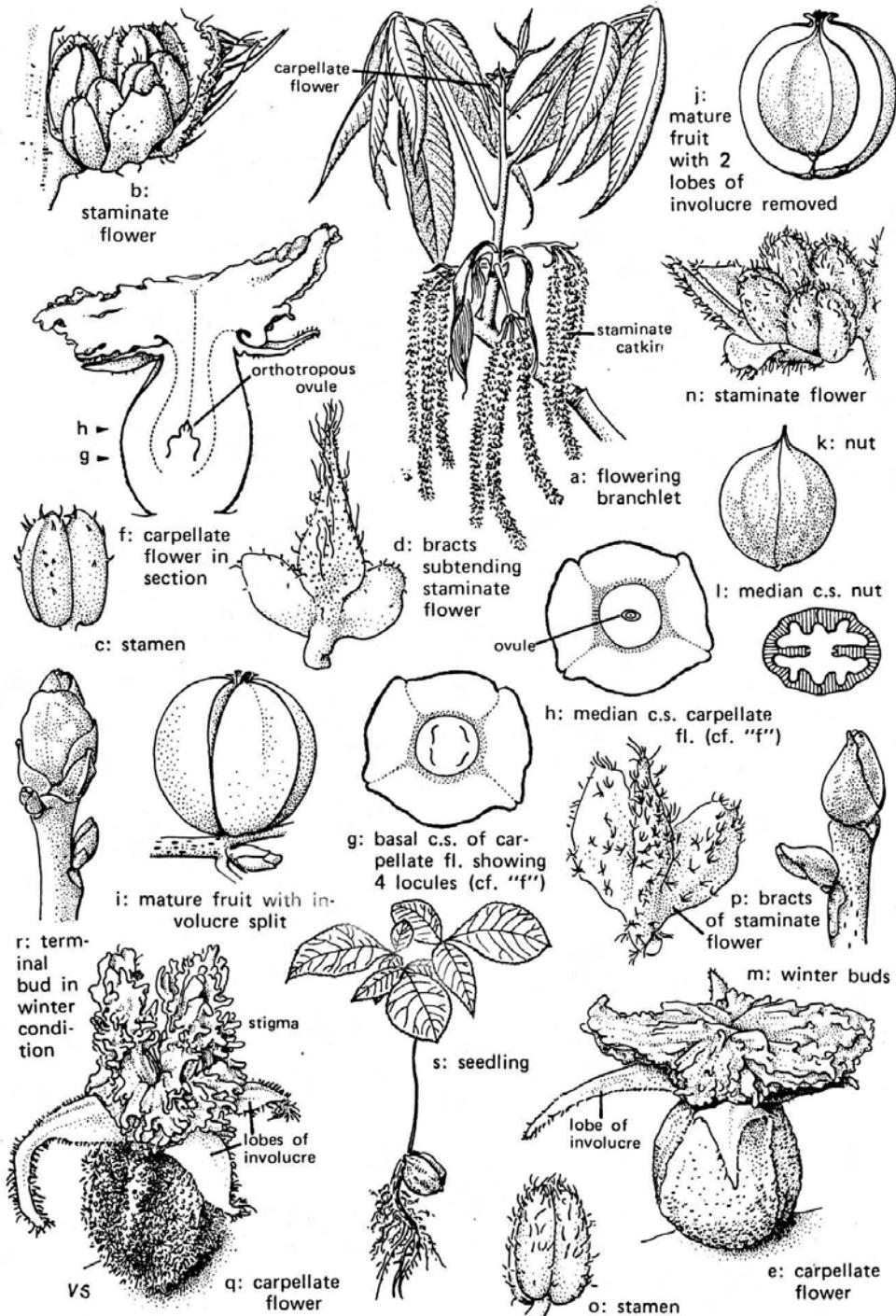
Carya carolinae-septentrionalis
5282, G, 1904, 24-SE

Carya cordiformis
12893, G, 1883, 24-NE, 25-NW
22671, G, year unknown, 10-NW
22672, G, year unknown, 25-NW
22792, G, year unknown, 53-SE
22867, U, 1950, 52-SW
1168-85, W, United States, 1985, 19-NW,
 25-SW
12893-1, G, 1925, 25-NW
1495-83, W, Canada, 1983, 25-NW
265-86, W, United States, 1986, 19-SW
303-90, W, United States, 1990, 19-NW
527-2008, U, 2008, 4-NE

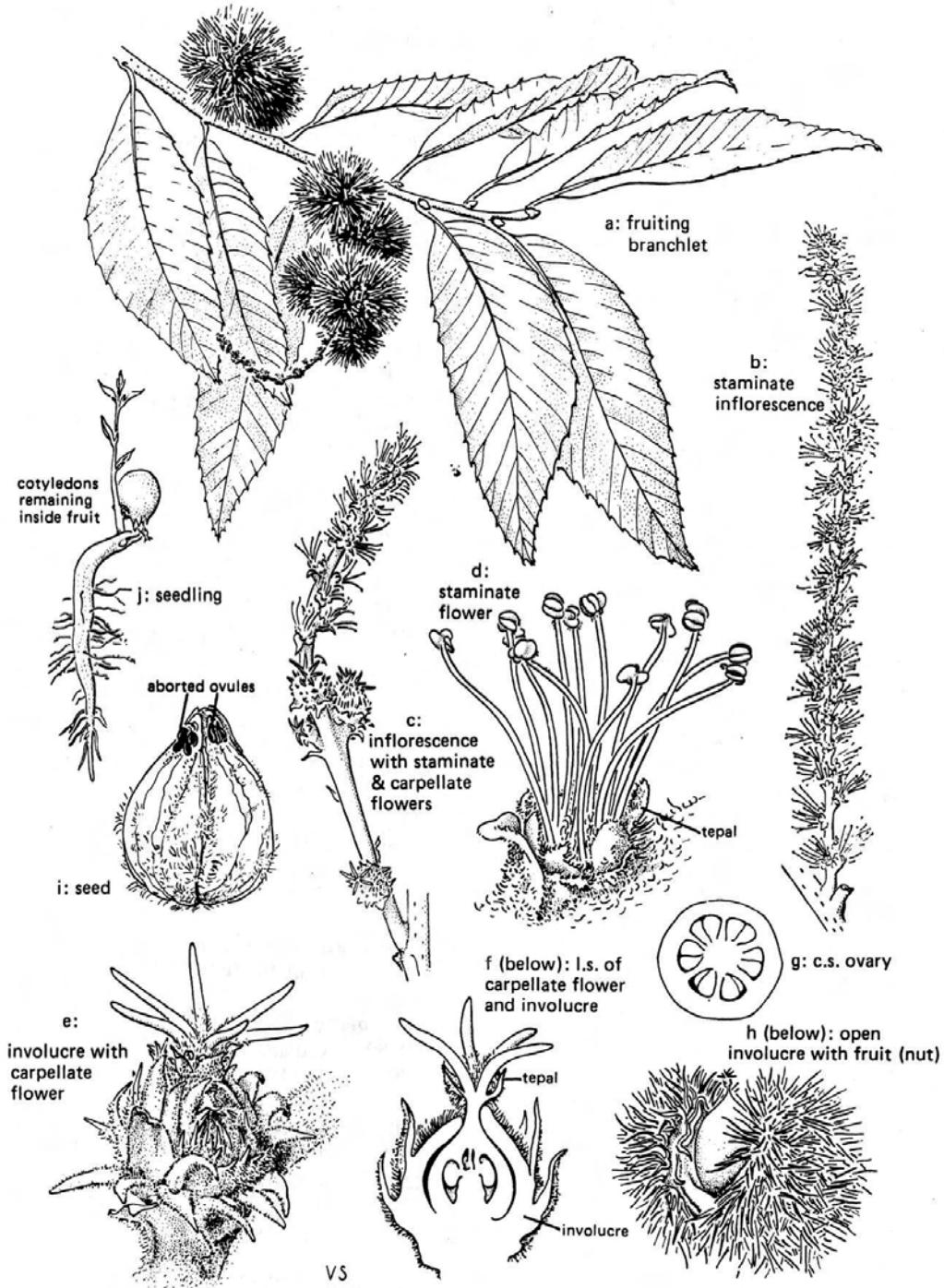
Carya glabra
10700, G, 1919, 25-NW
2019, W, United States, 1883, 25-SW
20101, W, United States, 1926, 14-NE
20095, W, United States, 1911, 18-SE
20096, W, United States, 1911, 18-SE
20098, W, United States, 1883, 25-SW
22941, U, 1951, 31-NE
23155, U, 1962, 25-NW
23166, U, 1963, 25-SW
355-2010, U, 2010, 52-SW
6990, W, United States, 1909, 25-SW

- 7873, W, United States, 1908, 19-NW
 8188, W, United States, 1909, 25-SW
- Carya glabra* var. *megacarpa*
 6987, W, United States, 1912, 53-NW
 18062, W, United States, 1913, 24-SE
- Carya illinoensis*
 12913, W, United States, 1882, 24-NE
 22641, U, 1940, 19-SW
 883-88, W, United States, 1988, 13-SW
- Carya laciniosa*
 12898, U, 1882, 19-NW, 19-SW
 20094, U, United States, 1882, 19-SW
 22673, U, 1940, 10-NW
 22866, U, 1950, 14-NW
 266-86, W, United States, 1986, 24-NE
 806-87, W, United States, 1987, 18-SE,
 19-NW, 19-SW
- Carya myristiciformis*
 6048, W, United States, 1909, 24-NE
 475-85, W, United States, 1986, 25-SW
 553-2007, W, United States, 2007, 18-SE
 659-91, W, United States, 1991, 18-SE
- Carya × nussbaumeri* 'McAllister'
 8019, Z, United States, 1919, 25-NW
- Carya ovata*
 12907, W, United States, 1883, 19-NW
 12909, G, 1915, 13-SW, 19-NW
 22868, U, 1950, 11-SE, 13-NW, 24-NE, 25-SW,
 26-NE, 32-NW, 38-NW, 62-NE, 7-NW
 223-2011, U, 2011, 31-NW
 258-2011, U, 2011, 31-NE
 268-86, W, United States, 1986, 24-NE
 317-2011, U, 2011, 25-SW
 318-89, W, Canada, 1989, 14-NE, 24-SE
 6986, W, United States, 1913, 19-SW
 672-2008, U, 2008, 27-SW
 7321, W, United States, 1911, 13-SW
 7947, W, United States, 1911, 19-NW
- Carya ovata* 'Weiker'
 8022, G, 1919, 19-NW
- Carya ovata* var. *australis*
 5258, G, 1904, 24-SE
- Carya × schneckii*
 4392-1, U, United States, 1919, 25-SW
- Carya texana*
 12892, W, United States, 1912, 18-SE, 25-SW
- Carya tomentosa*
 8014, W, United States, 1919, 24-NE
 12903, U, 1878, 32-NW
 20100, U, 1926, 25-SW, 31-NW
 4-85, W, United States, 1985, 19-SW
- Caryopteris × clandonensis* 'Arthur Simmonds'
 138-2004, G, 2004, LG-7G
- Caryopteris × clandonensis* 'Dark Knight'
 217-2006, G, 2006, LG-8A
- Caryopteris* 'First Choice'
 223-2006, G, 2006, LG-8G
- Castanea crenata*
 225-97, G, 1997, 25-SW
- Castanea dentata*
 1154-50, G, United States, 1950, 54-NE
 165-97, Z, United States, 1997, 62-SE
 224-97, W, United States, 1997, 25-SW
 24-80, W, United States, 1980, 31-NW
 304-96, W, United States, 1996, 49-SW
 461-51, G, United States, 1951, 54-SE
- Castanea dentata* × *mollissima*
 194-2001, U, 2001, 53-SW
- Castanea henryi* × *mollissima*
 623-32, G, 1932, 31-NW
- Castanea mollissima*
 205-92, U, China, 1992, 53-SE
 269-2011, U, 2011, 31-NW
 7892, U, China, 1918, 31-NW
 13200, W, China, 1922, 31-NE, 31-NW

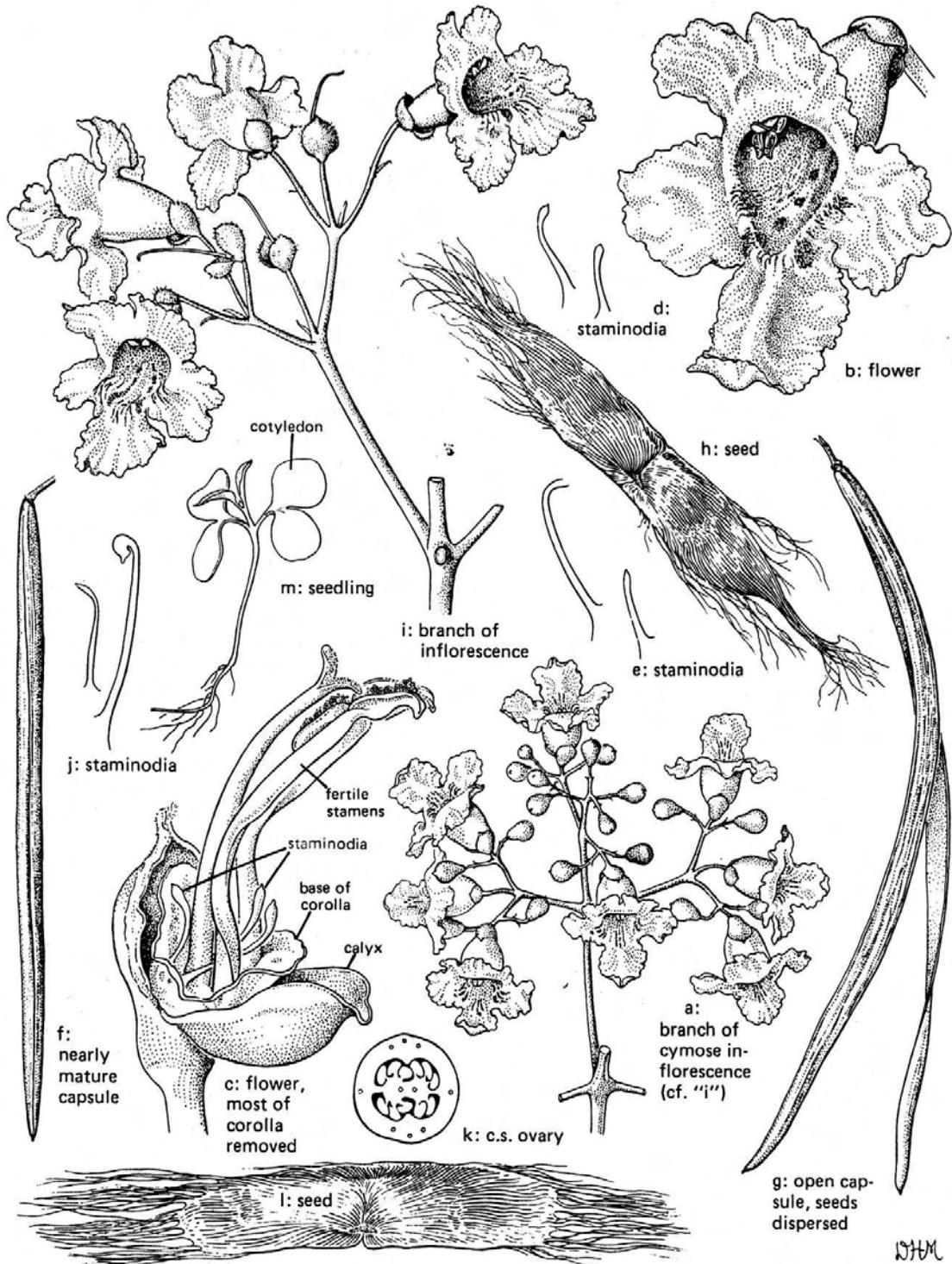
JUGLANDACEAE: *Carya*. a-m, *C. ovata* var. *australis*; n-s, *C. laciniosa*



FAGACEAE: *Castanea*. a-j, *C. pumila*



BIGNONIACEAE: Catalpa. a-h, C. bignonioides; i-m, C. speciosa

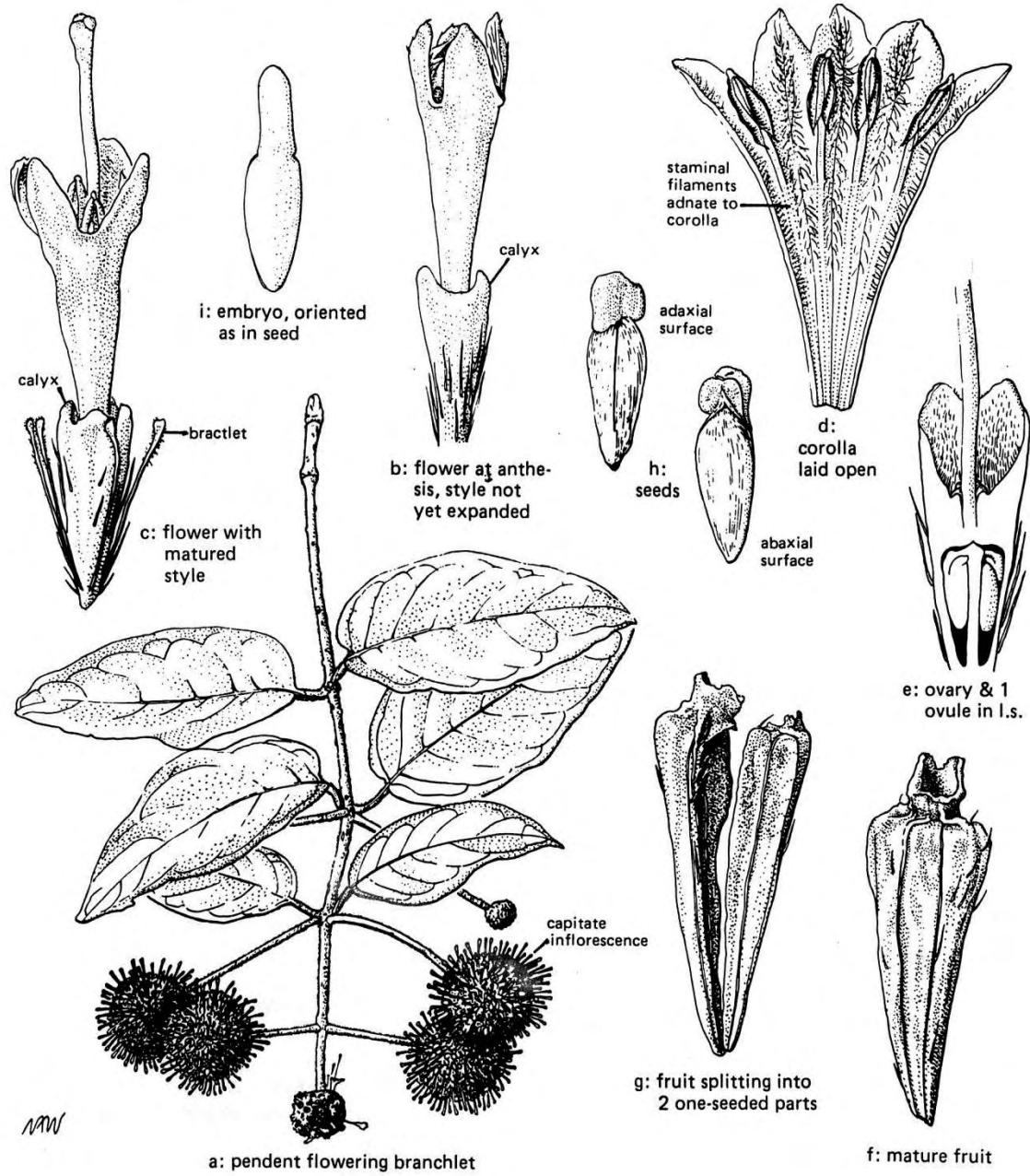


W.H.M.

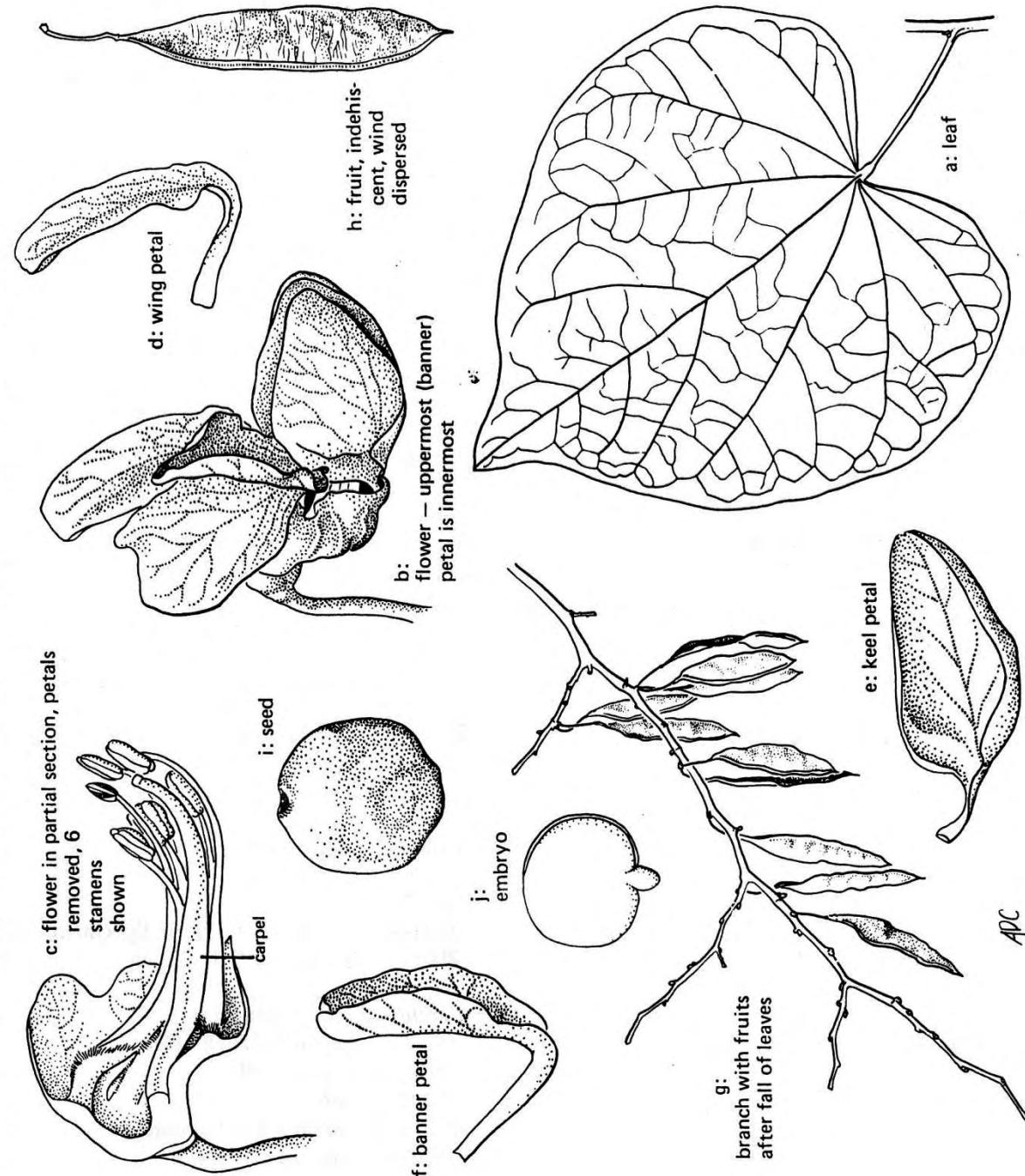
- Castanea pumila* var. *ozarkensis*
227-97, U, 1997, 62-SE
336-55, U, 1955, 54-NE
- Castanea pumila* var. *pumila*
10927, U, 1918, 31-NW
21486, W, United States, 1924, 31-NW
22936, U, 1942, 31-NW
1280-5, G, 1912, 31-NW
226-97, W, United States, 1997, 62-SE
- Castanea sativa*
12924, G, 1916, 31-SE
- Castanea × neglecta*
18436, G, 1923, 31-NW
- Catalpa bignonioides*
131-54, U, 1954, 21-NW, 21-SW
228-2004, W, United States, 2004, 21-SW
647-86, G, Afghanistan, 1986, 55-NE
- Catalpa bignonioides* 'Aurea'
174-40, U, 1940, 21-SW
947-74, G, 1974, 21-SW
- Catalpa bignonioides* 'Nana'
15559, U, United States, 1922, 21-NW
579-86, U, United States, 1986, 52-SW
- Catalpa bungei*
12927, W, China, 1904, 21-NW
271-65, Z, China, 1965, 21-SW
642-94, W, China, 1994, 21-NW
- Catalpa × erubescens* 'J. C. Teas'
1107-2, G, 1906, 21-SW
- Catalpa × erubescens* 'Japonica'
206-35, U, 1935, 21-SW
- Catalpa × erubescens* 'Purpurea'
649-65, G, 1965, 21-SW
686-88, U, 1988, 21-SW
- Catalpa fargesii*
17664, U, 1914, 21-NW
- Catalpa × galleana*
925-42, G, 1942, 21-SW
- Catalpa ovata*
237-2002, W, Korea, Republic of, 2002,
21-NW, 21-SW
290-56, U, 1956, 21-SW
412-61, U, 1961, 21-SW
516-87, W, China, 1987, 21-SW, 27-NW
98-61, U, 1961, 21-SW
- Catalpa ovata* 'Flavescens'
834-78, U, 1978, 27-NW
- Catalpa speciosa*
2776, U, 1886, 21-SW
1245-79, W, United States, 1980, 21-NW,
21-SW
927-58, G, 1958, 21-SW
- Cathaya argyrophylla*
276-98, W, China, 1998, LG-PER-W
- Ceanothus × pallidus* var. *roseus*
146-2000, U, 2000, LG-2G
- Cedrela sinensis*
12979, U, 1903, 57-NE
480-95, G, 1995, 57-NE
535-94, U, 1994, 8-NW, 8-SW
- Cedrus atlantica*
666-91, W, Morocco, 1991, 33-NW,
EG-32-NE
- Cedrus atlantica* 'Glauca'
249-63, U, 1963, 35-NE
755-86, U, 1986, LARZ
- Cedrus atlantica* 'Glauca Pendula'
601-71, G, 1971, DGB
- Cedrus deodara* 'Shalimar'
1127-64, W, India, 1964, 3-NW
- Cedrus libani*
4697, W, Turkey, 1902, 2-SE, 32-SE, 38-NW,
41-SE, EG-33-NW

1008-90, W, Turkey, 1990, 39-NE	<i>Celtis gracilis</i>
1015-90, W, Turkey, 1990, EG-33-NW	265-77, U, 1977, 20-NE, 20-SE, 21-SW
131-47, G, 1946, 22-SW	
220-60, W, Turkey, 1960, 1-SE, 34-SE, 34-SW, EG-17	<i>Celtis jessoensis</i>
271-47, G, 1947, 3-NW	7532, W, Japan, 1892, 14-NE
446-48, G, 1948, 22-SW	576-68, U, 1968, 10-SE
448-68, W, Turkey, 1960, 3-NW	
5-42, G, 1942, EG-17, EG-32-NE	<i>Celtis koraiensis</i>
	974-76, U, 1976, 14-NW
<i>Cedrus libani</i> 'Pendula'	
10926, U, 1919, 31-SW	<i>Celtis laevigata</i>
	112-54, U, 1954, 14-NW
<i>Celastrus angulatus</i>	270-86, W, United States, 1986, 20-NE
22144, U, 1927, 24-NE, 24-NW	
269-95, W, China, 1995, LG-9B.12	<i>Celtis occidentalis</i>
	1165, U, 1881, 14-NE
<i>Celastrus orbiculatus</i>	7894, U, 1915, 14-NE
684-67, W, Japan, 1967, BR-16-NE	15904, W, United States, 1922, 14-NE
720-86, Z, China, 1986, LG-10B.13	18381, W, United States, 1922, 14-NE
	22165, U, 1932, 14-NE
<i>Celastrus scandens</i>	22869, U, 1950, 47-SW
534-2002, W, United States, 2002, LG-9C.24	23156, U, 1962, 14-NW
746-49, G, 1948, 13-SW	249-79, G, 1979, 20-NW
	296-97, G, 1997, 63-SW
<i>Celtis aurantiaca</i>	356-84, W, United States, 1984, 20-NW
1739-77, W, Korea, Republic of, 1977, 20-NE	546-31, U, 1931, 14-NE
	959-72, U, 1972, 20-NW
<i>Celtis australis</i>	
1175-74, U, 1974, 20-NE	<i>Celtis aff. occidentalis</i>
381-72, U, 1972, 20-NE	367-37, U, 1937, 14-NW
	593-56, U, 1956, 14-NW
<i>Celtis bungeana</i>	
10-95, W, China, 1995, 14-NW, 30-NW	<i>Celtis occidentalis</i> × <i>laevigata</i> 'Magnifica'
643-53, U, 1953, 14-NW	231-94, G, 1994, 51-SE, 55-NE
<i>Celtis choseniana</i>	<i>Celtis reticulata</i>
367-86, W, Korea, Republic of, 1986, 20-NE	1183-72, W, United States, 1972, 20-NE
976-85, W, Korea, Republic of, 1985, 20-NW	183-81, W, United States, 1981, 10-SE
	505-87, W, United States, 1987, 14-NW
<i>Celtis douglasii</i>	631-83, W, United States, 1983, 20-NW
21779, U, 1914, 14-NE	
1484-52, G, 1952, 14-NW	
	<i>Celtis sinensis</i>
<i>Celtis glabrata</i>	767-84, W, Korea, Republic of, 1984, 47-SW
1123-78, W, Ukraine, 1978, 20-NW	
	<i>Celtis tenuifolia</i>
	442-86, W, United States, 1986, 14-NW

RUBIACEAE: *Cephalanthus*. a-i, *C. occidentalis*



FABACEAE (LEGUMINOSAE) subfamily CAESALPINIOIDEAE: *Cercis*. a-j, *C. canadensis*



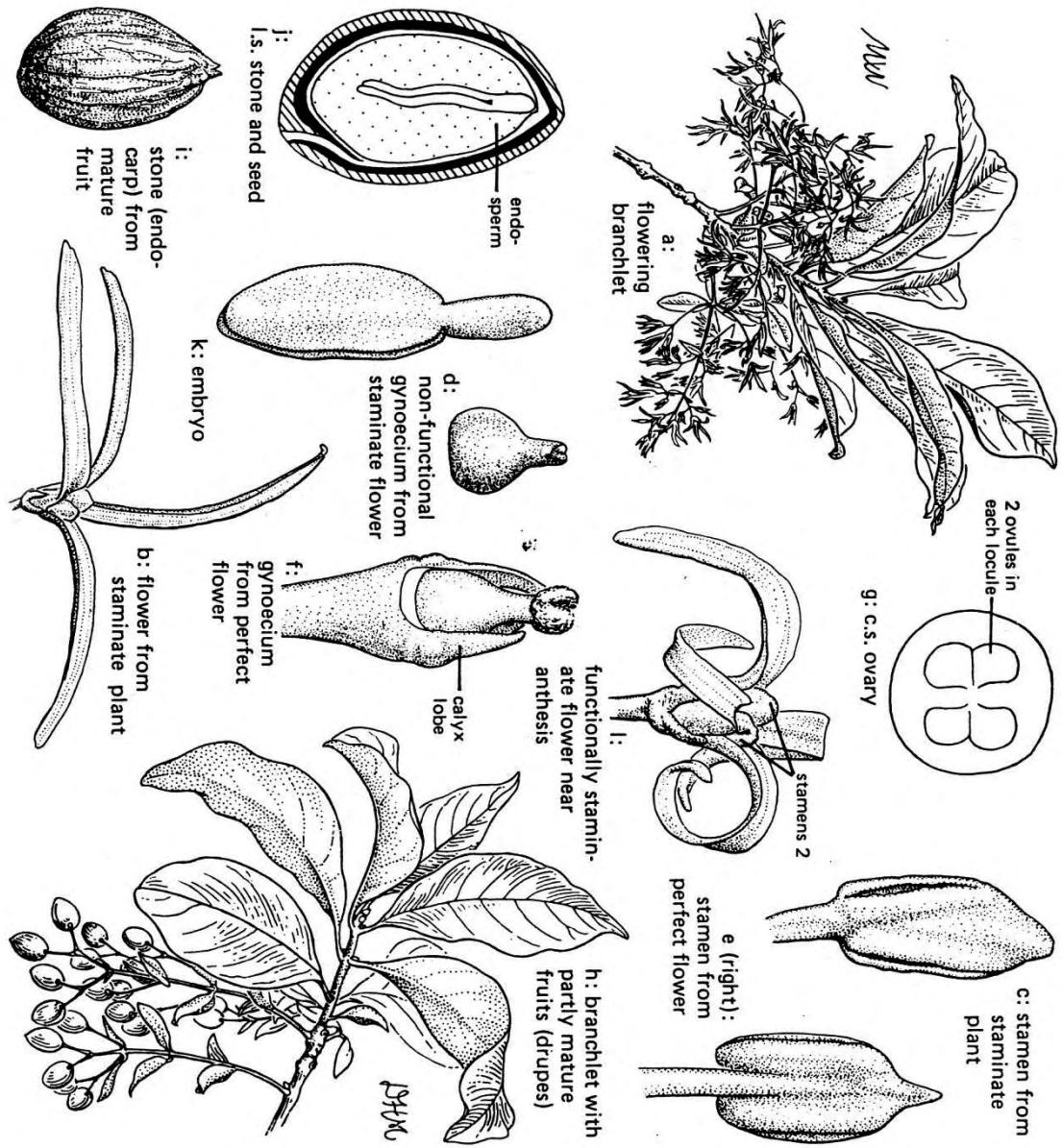
<i>Celtis tournefortii</i>	<i>Cephalotaxus oliveri</i>
1264-65, U, 1965, 14-NE	32-2000, U, 2000, EG-14
<i>Celtis vandervoetiana</i>	<i>Cephalotaxus sinensis</i>
1730-80, W, China, 1980, 14-NW	7065, W, China, 1907, 1-SW 1889-80, W, China, 1980, EG-9
<i>Cephalanthus occidentalis</i>	331-96, U, 1996, EG-3 395-79, U, 1979, EG-6
245-95, W, United States, 1995, 3-NE 305-85, W, United States, 1985, 50-NW 926-79, W, United States, 1979, 51-NE	5-2003, Z, China, 2003, 36-NE, 36-NW 83-2002, W, China, 2002, 33-SW, 36-NE
<i>Cephalanthus occidentalis</i> var. <i>occidentalis</i>	<i>Cercidiphyllum japonicum</i>
23170, U, 1963, BR-FAXON-POND 123-78, W, United States, 1978, 5-SE 1244-79, W, United States, 1980, 3-SE 631-78, W, United States, 1978, 3-SE	882, W, Japan, 1878, 5-NW 13008, W, Japan, 1886, 4-NE 23185, U, 1964, 3-NE 12-2007, Z, China, 2007, 3-SW 1150-67, U, Japan, 1967, 4-NE 126-2007, W, China, 2007, 32-SE, 3-SW 178-87, G, United States, 1987, 4-NE 19-98, W, Japan, 1998, 51-NE, 51-NW 232-2000, W, Japan, 2000, 5-NW 28-85, W, Japan, 1985, 26-SE
<i>Cephalotaxus fortunei</i>	<i>Cercidiphyllum japonicum</i> 'Morioka Weeping'
1061-78, G, 1978, 26-NW 1846-80, W, China, 1980, EG-6 1958-80, W, China, 1980, EG-13 248-2003, W, China, 2003, EG-6	134-98, G, 1998, 58-SW, BR-DAWSON-POND, LG-PER-S 698-81, G, Japan, 1981, 4-NE
<i>Cephalotaxus harringtonia</i>	<i>Cercidiphyllum japonicum</i> f. <i>pendulum</i>
127-60, G, 1960, 31-NE 271-2000, Z, Japan, 2000, 36-NW, 40-SW 70-91, G, 1991, LG-PER-W 725-69, G, 1969, 31-NE 926-59, G, 1959, 40-SE	'Amazing Grace' 113-2002, G, 2002, LG-8B
<i>Cephalotaxus harringtonia</i> 'Duke Gardens'	<i>Cercidiphyllum magnificum</i>
605-2003, G, 2003, LG-3D	270-2003, G, Japan, 2003, 4-NE, EG-26-SE 291-2008, W, Japan, 2008, EG-26-SE 292-2008, W, Japan, 2008, 4-NE
<i>Cephalotaxus harringtonia</i> 'Fastigiata'	<i>Cercis canadensis</i>
1957-77, G, 1977, 52-NE	9042, G, 1919, 18-SE 21641, G, 1923, 15-SW 22870, U, 1950, 14-NE, 14-NW 10-68, G, 1968, 2-SE, 4-NE 25-70, G, 1970, 11-SW 353-2002, G, 2002, LG-6C 386-43, G, 1943, 15-SW 396-2008, U, 2008, 26-SW 397-2008, U, 2008, 26-SE 403-95, W, United States, 1995, 15-SW 510-95, W, United States, 1995, 25-NW
<i>Cephalotaxus harringtonia</i> 'Prostrata'	
126-94, G, 1994, LG-2J 1408-67, G, 1967, 9-NE	
<i>Cephalotaxus harringtonia</i> var. <i>nana</i>	
1484-77, W, Japan, 1977, 49-NE, EG-6 20-98, W, Japan, 1998, EG-2	
<i>Cephalotaxus koreana</i>	
1699-77, G, Korea, Republic of, 1977, 30-SW, 49-SW	

- 559-95, W, United States, 1995, 25-NW,
25-SW
624-2008, U, 2008, 4-NE
633-83, W, United States, 1983, 25-NE, 25-SE
671-91, W, United States, 1991, 15-SW
812-83, G, 1983, 32-SW
- Cercis canadensis* 'Alba'
372-2001, G, 2001, 15-SE
- Cercis canadensis* 'Forest Pansy'
351-2002, G, 2002, LG-PER-S
- Cercis canadensis* var. *texensis*
288-93, W, United States, 1993, 15-NW
- Cercis chinensis*
13011-1, G, 1911, 18-SE
- Cercis chinensis* 'Don Egolf'
59-2006, G, 2006, 27-SW, LG-3L
- Cercis griffithii*
94-73, U, 1973, LG-8E
- Chaenomeles × californica* 'Masterpiece'
744-82, G, 1982, BR-11
- Chaenomeles cathayensis*
336-92, G, 1992, 22-NW
- Chaenomeles japonica*
1415-83, U, 1983, BR-12
- Chaenomeles japonica* 'Sargentii'
750-82, G, 1982, BR-11
- Chaenomeles japonica* var. *alpina*
256-84, U, 1984, BR-8
- Chaenomeles speciosa*
725-88, U, Japan, 1988, LARZ
- Chaenomeles speciosa* 'Candidissima'
1182-84, G, 1984, BR-11
- Chaenomeles speciosa* 'Cardinalis'
517-84, G, 1984, BR-10
- Chaenomeles speciosa* 'Contorta'
1032-85, G, 1985, BR-16-NW
126-42, G, 1942, BR-16-NW
- Chaenomeles speciosa* 'Doctor Bang's Pink'
1183-84, G, 1984, BR-16-NW
- Chaenomeles speciosa* 'Rubra Grandiflora'
885-81, G, 1981, BR-11
- Chaenomeles speciosa* 'Simmonii'
1203-81, U, 1981, BR-10
- Chaenomeles × superba* 'Crimson Beauty'
733-82, G, 1982, BR-10
- Chaenomeles × superba* 'Foliis Rubris'
545-84, G, 1984, BR-12
- Chaenomeles × superba* 'Mandarin'
281-50, G, 1950, BR-5
- Chaenomeles superba* 'Vesuvius'
756-82, G, 1982, BR-10
- Chamaecyparis lawsoniana*
13028, G, 1896, 31-SE
13029, G, 1913, 41-SE
1011-64, U, 1964, 31-NW
1164-71, G, 1971, 31-SE
1625-83, W, United States, 1983, 59-NE
- Chamaecyparis lawsoniana* 'Alumii'
1477-84, G, 1984, 59-NE, 59-SE
- Chamaecyparis lawsoniana* 'Erecta Viridis'
1443-60, G, 1960, 31-SE
- Chamaecyparis lawsoniana* 'Green Hedger'
430-65, G, 1965, 31-NW, 31-SE
- Chamaecyparis lawsoniana* 'Stilton Cheese'
115-72, G, 1972, 31-SE
- Chamaecyparis obtusa*
13038, G, 1881, 36-NE
1379-78, G, 1978, 33-NE
671-85, W, country unknown, 1985, 53-SW

- 770-84, W, Korea, Republic of, 1984, 52-NE
 917-85, W, Korea, Republic of, 1985, 53-SW
 949-58, G, 1958, 36-NW
- Chamaecyparis obtusa 'Aurea'*
 13473, G, 1923, 36-NW
- Chamaecyparis obtusa 'Breviramea'*
 13475-1, Z, Japan, 1923, 36-NW
 987-71, U, 1971, 36-NW
- Chamaecyparis obtusa 'Chabo-Hiba'*
 101-69, G, 1969, LARZ
 1100-71, G, 1971, LG-PER-S
 877-37, G, 1937, LARZ
 878-37, G, 1937, LARZ
 879-37, G, 1937, LARZ
 880-37, G, 1937, LARZ
 881-37, G, 1937, LARZ
 890-49, G, 1949, LARZ
 892-49, G, 1949, LARZ
- Chamaecyparis obtusa 'Compacta'*
 10135, G, 1920, 31-SW
- Chamaecyparis obtusa 'Coralliformis'*
 245-61, G, 1961, 31-NW
- Chamaecyparis obtusa 'Crippsii'*
 1358-64, G, 1964, 31-SW
- Chamaecyparis obtusa 'Filicoides'*
 988-71, G, 1971, 31-NW
- Chamaecyparis obtusa 'Flabelliformis'*
 1045-71, G, 1971, LG-PER-S
 1133-76, G, 1976, LG-PER-S
- Chamaecyparis obtusa 'Golden Nymph'*
 1236-77, G, 1977, LG-PER-S
- Chamaecyparis obtusa 'Gracilis Aurea'*
 1733-66, G, 1966, 31-NW
- Chamaecyparis obtusa 'Hage'*
 1048-71, G, 1971, DGB
- Chamaecyparis obtusa 'Kanaamihiba'*
 1135-76, G, 1976, LG-PER-S
- Chamaecyparis obtusa 'Kosteri'*
 1857-65, G, 1965, LG-PER-S
- Chamaecyparis obtusa 'Lycopodioides'*
 615-92, G, 1992, 36-NW, LG-PER-S
- Chamaecyparis obtusa 'Magnifica'*
 18109, G, 1925, 36-NW
- Chamaecyparis obtusa 'Mariesii'*
 883-62, G, 1962, 31-NW
- Chamaecyparis obtusa 'Nana'*
 1261-68, G, 1968, LG-PER-S
- Chamaecyparis obtusa 'Nana Argentea'*
 116-72, G, 1972, LG-PER-S
- Chamaecyparis obtusa 'Nana Gracilis'*
 13-63, G, 1963, 3-NW
 1593-66, G, 1966, DGB
 447-38, G, 1938, 31-SW
- Chamaecyparis obtusa 'Pygmaea Densa'*
 1828-65, G, 1965, LG-PER-S
- Chamaecyparis obtusa 'Tempelhof'*
 1523-63, G, 1963, LG-PER-S
- Chamaecyparis obtusa 'Tsatsumi'*
 202-61, G, 1961, 31-SW, 36-NW
- Chamaecyparis obtusa var. formosana*
 833-69, W, Taiwan, 1969, 30-NE
- Chamaecyparis pisifera*
 13040, U, Japan, 1891, 36-NE
 13041, U, 1879, 31-SE
 22799, G, 1894, 36-NE
 1025-55, G, 1955, 36-NW
 1136-62, G, 1962, 31-SE
 13044-1, G, 1890, 36-NE
- Chamaecyparis pisifera Plumosa Form Group*
 1067-38, G, 1938, 31-SW

- Chamaecyparis pisifera 'Aurea Nana'*
1769-65, G, 1965, 36-NW
- Chamaecyparis pisifera 'Boulevard'*
1023-59, G, 1959, 31-SE
1092-87, G, 1987, 1-SW
850-56, G, 1956, 36-NW
- Chamaecyparis pisifera 'Cream Ball'*
362-2007, G, 2007, DGB
- Chamaecyparis pisifera 'Filifera'*
13045, G, 1881, 36-NE
1323-61, G, 1961, 36-NW
- Chamaecyparis pisifera 'Filifera Aurea'*
307-51, G, 1951, 31-SW
- Chamaecyparis pisifera 'Golden Mop'*
1825-65, G, 1965, 31-SW
- Chamaecyparis pisifera 'Plumosa'*
112-97, G, 1997, 36-NW
16206, G, 1922, 31-SE
- Chamaecyparis pisifera 'Plumosa Argentea'*
1017-55, G, 1955, 36-NW
567-92, G, 1992, LG-PER-S
- Chamaecyparis pisifera 'Plumosa Aurea'*
13043-1, G, 1894, 36-NE
265-61, G, 1961, 36-NW
665-41, G, 1941, 36-NW
- Chamaecyparis pisifera 'Plumosa Vera'*
1817-65, G, 1965, 31-SW
- Chamaecyparis pisifera 'Squarrosa'*
22527, U, 1936, 36-NW
1073-62, G, 1962, 31-SE
1360-2, G, 1894, 31-SE
899-37, G, 1937, LARZ
- Chamaecyparis pisifera 'Squarrosa Aurea'*
357-65, G, 1965, 36-SW
883-71, G, 1971, 24-SE
- Chamaecyparis pisifera 'Squarrosa Dumosa'*
1275-88, G, 1988, 36-NE, 36-NW
21-89, G, 1989, 36-NW
- 344-73, G, 1973, 31-NW
- Chamaecyparis pisifera 'Squarrosa Intermedia'*
364-2007, G, 2007, DGB
- Chamaecyparis thyoides*
13047, W, United States, 1904, 39-NE
1009-85, W, United States, 1985, 5-SE
1022-84, W, United States, 1984, 57-NW
1294-81, W, United States, 1981, 5-NE
1296-81, W, United States, 1981, 5-NE
- Chamaecyparis thyoides 'Andelyensis'*
1274-88, G, 1988, 36-NE
945-62, G, 1962, 31-SW
- Chamaecyparis thyoides 'Qiana'*
230-2001, Z, United States, 2001, 27-NE,
36-NE
- Chamaedaphne calyculata*
315-89, W, Canada, 1989, LG-7A
506-2010, W, United States, 2010, DGB
849-93, W, Canada, 1993, 37-SE
859-93, W, Canada, 1993, 37-SE
- Chamaedaphne calyculata 'Verdant'*
166-99, G, 1999, LG-7A
- Chimonanthus praecox*
236-98, G, 1999, 32-NE
- Chionanthus retusus*
13051, U, 1901, EG-9
1230-83, W, Korea, Republic of, 1983, 14-SE,
20-NE, 51-NE
285-75, G, 1975, 21-SE
354-2002, G, 2002, LG-4, LG-PER-N
427-87, U, Korea, Republic of, 1987, 31-NE,
EG-2
- Chionanthus virginicus*
10571, U, 1920, EG-13
1029-88, W, United States, 1988, 21-SW
1074-4, G, 1901, 14-SE, 15-SW, 53-SW, 57-NE
1101-88, W, United States, 1988, 14-SE
875-59, W, United States, 1959, 14-SE
961-88, W, United States, 1988, 25-NW,
LG-PER-N

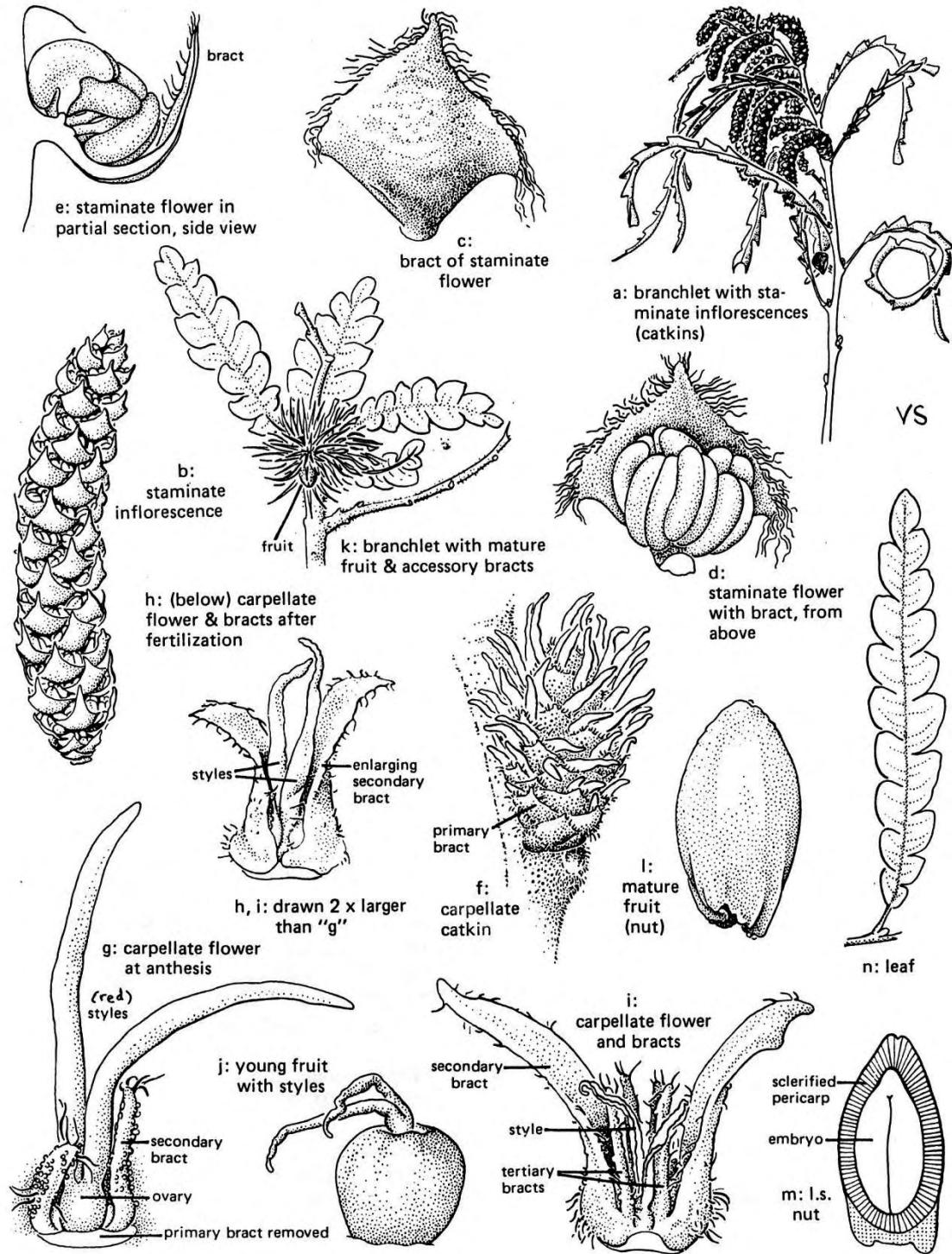
OLEACEAE: *Chionanthus*. a-k, *C. virginicus*; l, *C. pygmaeus*



- Chosenia arbutifolia*
176-98, W, Japan, 1998, 37-NW, 8-SW
333-2006, G, 2006, LG-9B.4
- Chrysanthemum nipponicum*
576-93, G, 1993, 3-NE
612-2003, G, 2003, LG-8E
339-2006, G, 2006, LG-9B.11
- Cimicifuga racemosa*
448-93, U, 1993, 3-NW
335-2006, G, 2006, LG-9C.8
- Cissus incisa*
957-76, U, 1976, 11-NE
336-2006, G, 2006, LG-9B.2
- Cladrastis kentukea*
13055, G, 1881, 15-SW
16370, G, 1927, 15-SW
260-2002, G, 2002, LG-PER-S
1003-2009 – 1007-2008, U, 2008, 17-SW
51-87, W, United States, 1987, 15-SW, 27-NE,
50-NE
227-2001, G, 2001, LG-10B.10
- Cladrastis kentukea 'Perkins Pink'*
100-98, G, 1998, 54-SW
379-87, U, 1987, 15-SW
334-2006, G, 2006, LG-9A.10
- Cladrastis kentukea 'Sweetshade'*
101-98, G, 1998, 54-SW
337-2006, G, 2006, LG-9C.5
- Cladrastis platycarpa*
10928, W, Japan, 1919, 15-SW
165-78, W, Japan, 1978, 51-NW
468-70, G, 1970, 15-NW, 15-SW
331-2003, G, 2003, LG-9C.4
- Clematis sp.*
421-87, W, Japan, 1987, LG-3A
338-2008, W, Japan, 2008, LG-9C.3
- Clematis 'Ernest Markham'*
330-2006, G, 2006, LG-9A.9
339-2006, G, 2006, LG-9B.3
- Clematis 'John Huxtable'*
331-2006, G, 2006, LG-9C.22
337-2006, G, 2006, LG-9C.23
- Clematis 'Marie Boisselot'*
369-2003, G, 2003, LG-9B.1
338-2006, G, 2006, LG-9B.2
- Clematis 'Mrs. Cholmondeley'*
332-2006, G, 2006, LG-9A.7
339-2006, G, 2006, LG-9B.3
- Clematis 'Multi Blue'*
340-2006, G, 2006, LG-9B.4
- Clematis 'Paul Farges'*
339-2006, G, 2006, LG-9B.11
337-2006, G, 2006, LG-9C.9
- Clematis 'Prince Charles'*
335-2006, G, 2006, LG-9C.8
338-2006, G, 2006, LG-9C.9
- Clematis 'Roguchi'*
336-2006, G, 2006, LG-9B.2
337-2006, G, 2006, LG-9C.9
- Clematis 'Starfish'*
227-2001, G, 2001, LG-10B.10
338-2006, G, 2006, LG-9C.9
- Clematis albicoma*
8-2002, G, 2002, LG-8A
339-2006, G, 2006, LG-9C.9
- Clematis alpina 'Blue Dancer'*
337-2006, G, 2006, LG-9C.5
338-2006, G, 2006, LG-9C.9
- Clematis alpina 'Helsingborg'*
371-2003, G, 2003, LG-9C.4
339-2006, G, 2006, LG-9C.9
- Clematis apiifolia*
387-2008, W, Japan, 2008, LG-9C.3
339-2006, G, 2006, LG-9C.9
- Clematis columbiana*
79-2006, W, United States, 2006, LG-8A,
DGB
339-2006, G, 2006, LG-9C.9
- Clematis × durandii*
262-2003, G, 2003, LG-8B
339-2006, G, 2006, LG-9C.9
- Clematis hexapetala*
24-2002, W, Russian Federation, 2002,
LG-7A
339-2006, G, 2006, LG-9C.9
- Clematis × jackmanii 'Victoria'*
286-2007, G, 2007, LG-9C.13
339-2006, G, 2006, LG-9C.9
- Clematis japonica*
454-79, G, Japan, 1979, LG-10B.7
339-2006, G, 2006, LG-9C.9

<i>Clematis koreana</i>	842-79, U, 1979, 15-SW
769-65, U, 1965, 13-NE	
<i>Clematis macropetala 'Bluebird'</i>	
190-2002, G, 2002, LG-9A.2	424-78, G, 1978, 49-NW
<i>Clematis macropetala 'Markham's Pink'</i>	
340-2006, G, 2006, LG-9C.1	110-2008, W, United States, 2008, 18-SE, WH1-NE, WH2-SW
<i>Clematis montana</i> var. <i>rubens</i>	117-66, U, 1966, 24-SE
201-2005, G, 2005, LG-10B.9	121-2008, W, United States, 2008, 18-NE WH1-NE
<i>Clematis ochroleuca</i>	130-2005, W, United States, 2005, LG-PER-N
7-2002, G, 2002, LG-7B	
<i>Clematis recta 'Purpurea'</i>	
172-2004, G, 2004, LG-8B	1295-81, W, United States, 1981, 25-SW 1907-81, W, United States, 1981, 8-NW 20-2006, W, United States, 2006, BR-DAWSON-POND
<i>Clematis stans</i>	287-96, W, United States, 1996, 3-SE, LG-8I
308-71, W, Japan, 1971, EG-9	
361-2002, Z, Japan, 2002, LG-8E	
<i>Clematis terniflora</i>	
1690-77, W, Korea, Republic of, 1977, LG-9C.30	733-93, U, 1993, 3-SE
173-2002, G, 2002, LG-PER-W	
<i>Clematis vitalba</i>	
733-86, Z, Bulgaria, 1986, LG-10A.1, DGB	
<i>Clematis viticella 'Betty Corning'</i>	
372-2003, G, 2003, LG-9C.10	737-93, U, 1993, BR-DAWSON-POND
<i>Clematis viticella 'Polish Spirit'</i>	
343-2006, G, 2006, LG-9C.17	426-2002, G, 2002, LG-3N
<i>Clematis (Viticella Group) 'Emilia Plater'</i>	
329-2006, G, 2006, LG-9B.8	
<i>Clerodendrum trichotomum</i>	
1702-77, W, Korea, Republic of, 1977, 15-SW	
1921-80, W, China, 1980, 26-NW	
546-83, W, Korea, Republic of, 1983, 44-NE	
552-2007, Z, China, 2007, 1-SE, 3-NE	
584-2007, Z, Korea, Republic of, 2007, 47-SE	
<i>Clethra acuminata</i>	
	110-2008, W, United States, 2008, 18-SE, WH1-NE, WH2-SW
	117-66, U, 1966, 24-SE
	121-2008, W, United States, 2008, 18-NE WH1-NE
	130-2005, W, United States, 2005, LG-PER-N
<i>Clethra alnifolia</i>	
	1295-81, W, United States, 1981, 25-SW 1907-81, W, United States, 1981, 8-NW 20-2006, W, United States, 2006, BR-DAWSON-POND
	287-96, W, United States, 1996, 3-SE, LG-8I
<i>Clethra alnifolia 'Anne Bidwell'</i>	
	733-93, U, 1993, 3-SE
<i>Clethra alnifolia 'Hokie Pink'</i>	
	737-93, U, 1993, BR-DAWSON-POND
<i>Clethra alnifolia 'Hummingbird'</i>	
	426-2002, G, 2002, LG-3N
<i>Clethra alnifolia 'Hummingbird' ×</i>	
'Anne Bidwell'	
	326-2006, G, 2006, LG-2L, BR-DAWSON-POND
<i>Clethra alnifolia 'Pink Spires'</i>	
	566-85, G, 1985, 3-SE
<i>Clethra alnifolia 'Ruby Spice'</i>	
	170-2005, G, 2005, LG-3N
<i>Clethra alnifolia</i> var. <i>alnifolia</i>	
	23139, U, 1961, 19-NW
	517-82, G, 1982, 3-NE

MYRICACEAE: Comptonia. a-n, C. peregrina

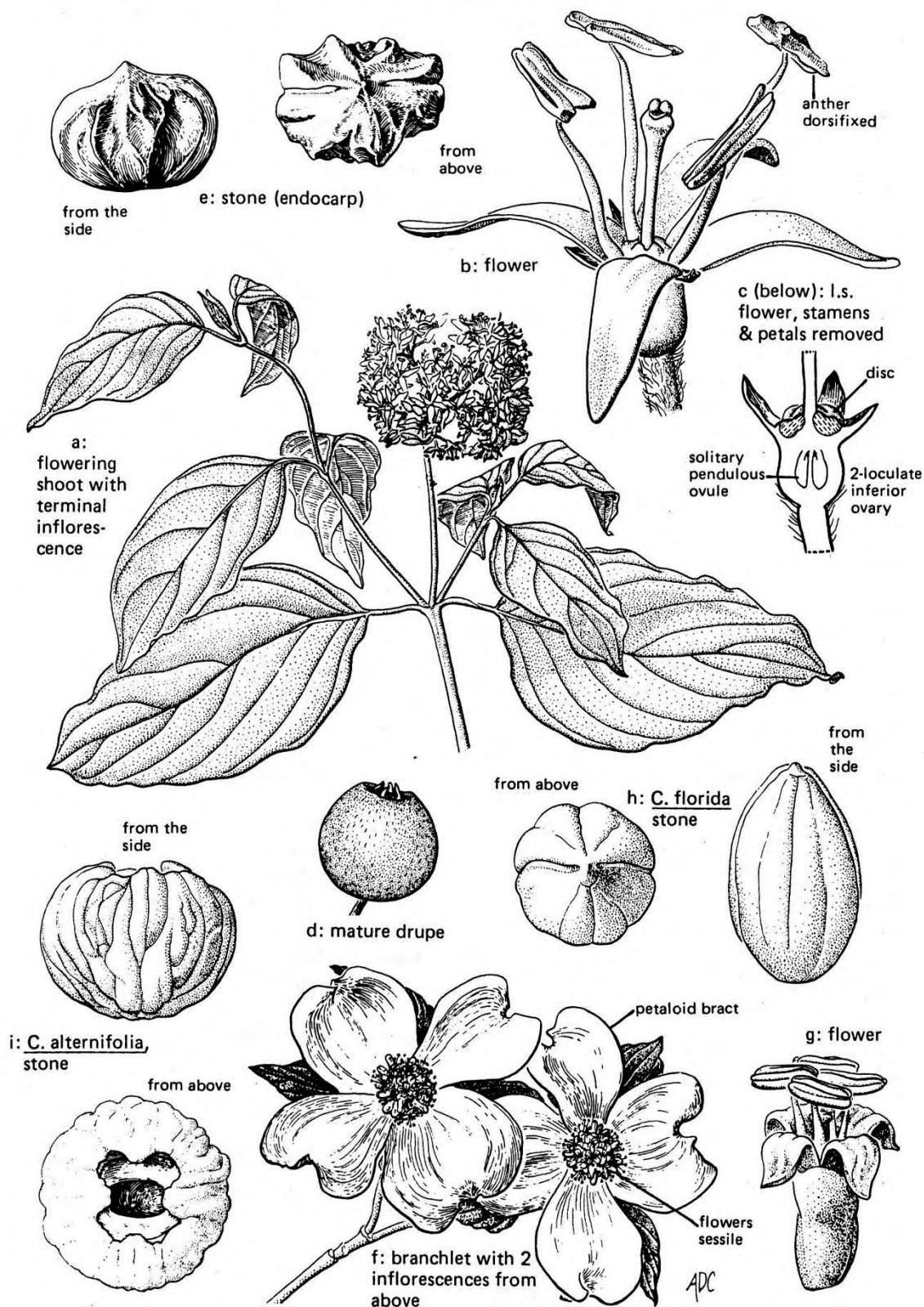


<i>Clethra alnifolia</i> var. <i>alnifolia</i> 'Rosea' 239-47, U, 1947, 11-NW	<i>Cornus alba</i> 321-97, W, China, 1997, 33-NW
<i>Clethra barbinervis</i> 13087, U, 1886, 25-SW 13088, W, Japan, 1892, 32-SE 1567-82, W, Japan, 1982, 49-SW 241-96, G, 1996, 49-SW, LG-3N 665-76, U, 1976, 15-NE	<i>Cornus alba</i> 'Alleman's Compact' 344-2002, G, 2002, LG-7E
<i>Clethra barbinervis</i> × <i>fargesii</i> 156-98, G, 1998, 49-SW, LG-3N	<i>Cornus alba</i> 'Bud's Yellow' 345-2002, G, 2002, LG-7E
<i>Cocculus trilobus</i> 108-2001, W, Japan, 2001, LG-9C.32 163-2002, W, Japan, 2002, LG-9A.8	<i>Cornus alba</i> var. <i>sibirica</i> 1028-81, G, 1981, 50-NW
<i>Colutea arborescens</i> 496-2003, Z, Italy, 2003, 27-SW	<i>Cornus alternifolia</i> 612-2007, W, United States, 2007, 21-NE, 53-SW, LG-PER-N
<i>Colutea buhsei</i> 16-2003, W, Iran, 2003, 27-SW, EG-9 43-2002, W, Iran, 2002, 27-SW	<i>Cornus amomum</i> 21402, U, 1930, 21-NE 23137, U, 1961, BR-DAWSON-POND 113-85, W, United States, 1985, 51-NW 1418-83, W, United States, 1983, 50-NE
<i>Colutea persica</i> 493-77, U, 1977, 55-NE	<i>Cornus × arnoldiana</i> 4628-3, U, 1925, BR-FAXON-POND
<i>Comptonia peregrina</i> 89-97, W, United States, 1997, 54-SW	<i>Cornus australis</i> 41-2002, G, 2002, 21-NE
<i>Corema album</i> 417-84, G, 1984, DGB	<i>Cornus bretschneideri</i> 141-2005, W, China, 2005, 21-NE 149-2007, W, China, 2007, 21-NE
<i>Coriaria japonica</i> 313-98, U, 1999, EG-9	<i>Cornus canadensis</i> 189-2007, G, 2007, DGB 201-2006, G, 2006, LG-6C
<i>Cornus 'Rutcan'</i> 241-94, G, 1994, 26-NW	<i>Cornus controversa</i> 17-98, W, Japan, 1998, 37-NE, LG-PER-E 241-2011, U, 2011, 26-NE 245-2001, W, Korea, Republic of, 2001, LG-PER-E 961-67, U, 1967, 4-SE
<i>Cornus 'Rutdan'</i> 242-94, G, 1994, 26-NE	
<i>Cornus 'Rutgan'</i> 244-94, G, 1994, 31-NE	<i>Cornus coreana</i> 706-80, G, 1980, 21-NE
<i>Cornus 'Rutlan'</i> 243-94, G, 1994, 26-NE	<i>Cornus drummondii</i> 1031-80, W, Canada, 1980, 5-NE 1717-81, W, Canada, 1981, 49-NE

- 366-50, U, 1950, 4-SE
 802-49, G, 1949, 4-SE
- Cornus × dunbarii*
 1126-79, G, 1979, 4-SE
 44-78, G, 1978, 4-SE
 986-77, G, 1977, 4-SE
- Cornus florida*
 10692, U, 1921, 53-SE, 62-NW
 11035, G, 1921, BR-1B
 22904, G, 1930, 13-NE
 18-2000, W, United States, 2000, LG-PER-E,
 LG-PER-N
 29-68, W, Canada, 1968, 4-NE
 160-2011, U, 2011, 31-NE
 220-2011, U, 2011, 31-SW
 224-2011, U, 2011, 31-NW
 226-2011, U, 2011, 31-NE
 232-2010, U, 2010, 13-NE
 245-2011, U, 2011, 32-NE
 248-2011, U, 2011, 31-SE
 287-2011, U, 2011, 36-NW
 303-2010, U, 2010, BR-17-SW
 319-2011, U, 2011, 24-NE
 351-2010, U, 2010, 47-SW
 353-2010, U, 2010, 50-NE
 354-2010, U, 2010, 50-NE
 359-2010, U, 2010, 46-SE
 364-2003, U, 2003, 26-SW
 381-2011, U, 2011, 36-NW
 402-2011 – 418-2011, U, 2011, 33-NE, 33-SE,
 38-NE, 38-NW, 38-SW,
 510-67, G, 1967, 25-SW
 523-82, G, 1982, 19-NW, 19-SW, 25-NE,
 25-SE, 32-SW
 528-2009, U, 2009, 15-NW
 621-2008, U, 2008, 1-NE
 625-2008, U, 2008, 11-SE
 627-2008, U, 2008, 15-NE
 628-2008, U, 2008, 15-NE
 629-2008, U, 2008, 15-NE
 669-2010, U, 2010, 57-SE
 679-2010, U, 2010, 62-NW
 680-2010, U, 2010, 62-NW
 681-2010, U, 2010, 62-NW
 682-2010, U, 2010, 62-NW
 693-45, G, 1945, 13-SW
- 704-2010, U, 2010, 62-SW
 796-76, G, United States, 1976, 15-NE
 811-2008, U, 2008, 53-SE
 815-2008, U, 2008, 53-SE
 816-2008, U, 2008, 53-SE
 820-2008, U, 2008, 53-SW
 824-2008, U, 2008, 53-NW
- Cornus florida 'Appalachian Spring'*
 115-2007, W, United States, 2007, 15-NE,
 LG-PER-N
- Cornus florida 'Fastigiata'*
 13117-1, U, 1914, 57-NE
- Cornus florida f. rubra*
 16247, U, 1925, 13-SE
 21306, U, 1930, 15-SW
 405-50, U, 1950, 26-SE
- Cornus florida 'Pendula'*
 438-78, G, 1978, DGB
- Cornus florida 'Royal Red'*
 13-61, G, 1961, 3-SW
- Cornus florida 'Weaver'*
 612-50, G, 1950, 4-NE
- Cornus florida 'Xanthocarpa'*
 728-21, G, 1921, 7-SW
- Cornus foemina*
 15-55, U, 1955, 4-SE
- Cornus glabrata*
 1260-66, U, 1966, 4-NE
- Cornus hemsleyi*
 667-76, U, 1976, 21-NE
 92-81, W, China, 1980, EG-13, EG-14
- Cornus × horseyi*
 14-55, G, 1955, 4-SE
 920-84, G, 1984, 55-SE
- Cornus kousa*
 13123, W, China, 1908, 26-NE

- 13202, W, China, 1921, 14-SW
 18386, U, 1923, 26-SE
 1079-89, W, China, 1989, EG-3
 1195-68, W, Korea, Republic of, 1968,
 BR-17-SW
 1207-82, W, Korea, Republic of, 1982, 38-SW
 1916-80, W, China, 1980, EG-12, EG-26-SE
 255-81, G, 1981, 44-SE
 256-81, G, 1981, 44-SE
 382-86, W, Korea, Republic of, 1986, 51-SE
 524-49, G, 1946, 15-SW, 26-SE, 53-SW
 637-68, G, 1968, BR-17-SW
 641-68, G, 1968, 34-SW
 895-33, G, 1933, 19-SW
- Cornus kousa* 'Gold Star'
 506-82, G, Japan, 1982, 26-SE
- Cornus kousa* 'Lustgarten Weeping'
 1092-78, G, 1978, LG-PER-S
- Cornus kousa* 'Milky Way'
 251-64, G, 1964, 26-SE, 4-NE
- Cornus kousa* 'Snowboy'
 507-82, G, Japan, 1982, 40-NE
- Cornus kousa* 'Summer Stars'
 687-84, G, 1984, BR-1C
- Cornus kousa* var. *chinensis*
 274-2000, W, China, 2000, 40-SW
- Cornus kousa* 'Variegata'
 427-48, G, 1948, 26-NE
- Cornus kousa* 'Viridis'
 22637, G, 1923, 26-SE
- Cornus macrophylla*
 1229-83, W, Korea, Republic of, 1983, 44-SE
 1277-83, W, Korea, Republic of, 1983, 63-NW
 278-94, W, Korea, Republic of, 1994, 2-SE
 422-94, W, Korea, Republic of, 1994, 26-NE
- Cornus mas*
 13126, G, 1883, 21-SE
 1153-80, Z, Belgium, 1980, 20-SE
- 1173-67, W, Czechoslovakia, 1967, 57-NW
 1314-85, W, Turkey, 1985, 39-SE
 274-33, U, 1933, 26-NE
 354-87, Z, Russian Federation, 1987, 52-NE
 608-2010, U, 2010, 57-NW
 609-2010, U, 2010, 57-NW
 645-79, W, France, 1979, 39-SE
 748-75, W, Ukraine, 1975, 7-SE
 809-83, G, 1983, 49-SW
- Cornus mas* 'Aurea'
 409-50, G, 1950, 7-NW
 822-79, G, 1979, 49-NW, 7-SE
- Cornus mas* 'Flava'
 6049, U, 1910, 7-SE
 337-40, U, 1940, 26-NE
 494-59, U, 1959, 4-SE
- Cornus obliqua*
 110-79, W, Canada, 1979, 21-SE
 1467-83, W, Canada, 1983, 59-NE
 198-89, W, United States, 1989,
 BR-FAXON-POND
- Cornus officinalis*
 8156, U, 1919, 7-SE
 8153-1, G, 1922, 7-SE
 10933, W, Japan, 1919, 13-SW
 127-2007, W, China, 2007, 21-NE
 382-2001, U, Korea, Republic of, 2001, 26-SE
 918-85, W, Korea, Republic of, 1985, 7-SE
- Cornus paucinervis*
 1235-70, U, 1970, 5-NW
- Cornus poliophylla*
 739-78, U, 1978, 21-SE
- Cornus pumila*
 222-76, U, 1976, 21-SE
 228-2000, U, 2000, 26-NE
- Cornus racemosa*
 599, W, United States, 1873, 22-NW
 1782-77, G, 1977, 21-SE
 212-81, W, United States, 1981, 49-NE
 613-74, U, 1974, 21-SE, 4-SE

CORNACEAE: *Cornus*. a-e, *C. amomum*; f-h, *C. florida*; i, *C. alternifolia*



- Cornus sanguinea*
 136-2002, W, Ukraine, 2002, 62-SW
 137-2002, W, Ukraine, 2002, 62-SW
 1419-73, U, 1973, 4-SE, 8-NE
 205-78, W, Czechoslovakia, 1978, 3-SE
 343-78, W, Denmark, 1978, 55-NE
- Cornus sanguinea* 'Wisley Form'
 151-66, G, 1966, 4-SE
 310-78, G, 1978, 3-NE
 394-2007, G, 2007, BR-DAWSON-POND
- Cornus sericea*
 21028, G, 1928, BR-FAXON-POND
 21079, U, 1930, BR-FAXON-POND
 21027, G, 1928, BR-FAXON-POND
 113-79, W, Canada, 1979, 3-SE
 1224-84, W, United States, 1984, 50-NW
 175-2005, G, 2005, LG-2J
 252-2004, Z, United States, 2004, 39-SE
 291-92, W, United States, 1992, LG-2J
 678-93, W, United States, 1993,
 BR-DAWSON-POND
 769-93, W, Canada, 1993, BR-FAXON-POND
- Cornus sericea* 'Flaviramea'
 21027, G, 1928, BR-FAXON-POND
- Cornus sericea* ssp. *coloradensis*
 1143-81, Z, United States, 1981, 14-NW
- Cornus walteri*
 1318-71, U, 1971, 7-SW
 1471-77, G, Korea, Republic of, 1977, 21-NE
 435-80, W, China, 1980, 32-NE, 49-SW
- Corylopsis coreana*
 248-2006, W, Korea, Republic of, 2006, 18-SE
- Corylopsis glabrescens*
 1030-90, W, Japan, 1990, EG-9, EG-12
 113-77, U, 1977, 21-NE
 157-81, W, Japan, 1981, EG-12
- Corylopsis glabrescens* 'Longwood Chimes'
 159-99, G, 1999, LG-8J
 191-2001, Z, Japan, 2001, LG-PER-E
- Corylopsis glandulifera*
 557-88, W, China, 1988, EG-12
 898-81, Z, Japan, 1981, EG-9, EG12
- Corylopsis glandulifera* var. *hypoglauca*
 904-89, W, China, 1989, 1-SW
- Corylopsis gotoana*
 388-2008, W, Japan, 1981, 18-NE, 21-NE
 EG-16
- Corylopsis pauciflora*
 10156, W, Japan, 1919, 24-NE
 450-94, Z, Japan, 1994, EG-2
- Corylopsis sinensis*
 1648-80, W, China, 1980, 33-SW
 198-2002, W, China, 2002, LG-8I
 311-2004, W, China, 2004, 19-NW, 21-NE
 509-74, U, 1974, 21-NE
 642-81, W, China, 1981, 39-NE
- Corylopsis sinensis* var. *calvescens*
 640-81, W, China, 1981, 24-NE, EG-12
 641-81, W, China, 1981, EG-12
- Corylopsis sinensis* var. *calvescens* f. *veitchiana*
 391-65, U, 1965, 18-SE
- Corylopsis sinensis* var. *glandulifera*
 267-77, U, 1977, EG-3
- Corylopsis sinensis* var. *sinensis*
 7251, W, China, 1908, 18-SE
 46-39, G, 1939, 24-NE
- Corylopsis spicata*
 7950, G, 1917, 18-SE
 10544, W, Japan, 1919, 24-NE
 752-86, G, 1986, LARZ
- Corylus americana*
 1229, W, United States, 1873,
 BR-FAXON-POND
 36-2000, U, 2000, 25-SW
 96-2006, W, United States,
 BR-FAXON-POND, WH2-SW

<i>Corylus americana</i> var. <i>calyculata</i>	508-83, W, Korea, Republic of, 1983, 62-SE
20881, U, 1925, 31-SW	
22324, U, 1927, 31-NE	
<i>Corylus avellana</i>	<i>Corylus sieboldiana</i> var. <i>mitis</i>
22905, U, 1950, BR-FAXON-POND	518-77, W, Korea, Republic of, 1977, 25-SE
<i>Corylus avellana</i> var. <i>grandis</i>	<i>Corylus tibetica</i>
761-82, U, 1982, 50-NW	113-98, W, China, 1998, 24-NE, EG-18
<i>Corylus chinensis</i>	<i>Corylus × vilmorinii</i>
1314-38, U, 1938, 31-NW	7549, G, 1911, 19-NW
150-2007, W, China, 2007, 31-SE, 31-SW	
493-37, U, 1937, 31-NW	<i>Cotinus coggygria</i>
763-82, U, 1982, 31-NW	276, U, 1876, 8-SW
<i>Corylus colurna</i>	13160, U, 1909, 26-SW
22463, U, 1933, 57-SE, 62-NW	1465-80, W, Russian Federation, 1980, 11-NW
<i>Corylus cornuta</i>	157-98, W, Russian Federation, 1998, 53-SE, 54-SW
13157, U, year unknown, BR-FAXON-POND	330-2007, W, Italy, 2007, 53-SE
1250-84, W, United States, 1984, 52-SW	574-88, W, France, 1988, 8-SW
<i>Corylus fargesii</i>	866-87, U, 1987, 39-NE
3-98, W, China, 1998, 22-NW	<i>Cotinus coggygria</i> 'Daydream'
112-98, W, China, 1998, 24-NE	1433-61, G, 1961, 8-SW
129-2007, W, China, 2007, 31-NE	749-78, G, 1978, 26-NE
<i>Corylus heterophylla</i>	<i>Cotinus coggygria</i> 'Notcutt's Variety'
7907, U, 1913, 31-SW	257-40, G, 1940, 8-SW
<i>Corylus heterophylla</i> var. <i>sutchuenensis</i>	<i>Cotinus coggygria</i> 'Purpureus'
15923, W, China, 1922, 31-SW	13161, U, 1912, 26-SW
1094-89, W, China, 1989, BR-15-SE	708-49, U, 1948, 26-SW
<i>Corylus heterophylla</i> var. <i>yunnanensis</i>	<i>Cotinus</i> 'Grace'
15925, W, China, 1922, 31-NW	766-83, G, 1983, 8-SW
<i>Corylus jacquemontii</i>	<i>Cotinus obovatus</i>
18147, U, 1923, 31-SW	1814, U, 1882, 8-SW
<i>Corylus mandshurica</i>	146-63, G, 1963, 26-SW
386-97, W, China, 1997, 27-SE, 31-SE	402-95, W, United States, 1995, 54-SW, 8-SW
<i>Corylus sieboldiana</i>	747-80, U, 1980, 15-SE
1473-77, W, Japan, 1977, 31-NE	993-66, G, 1963, 11-NW
1479-77, W, Japan, 1977, 31-NE	<i>Cotoneaster</i> sp.
	1336-71, U, 1971, 32-NE
	867-84, U, 1984, BR-12, EG-32-NE

- Cotoneaster 'Hessei'*
1127-81, G, 1981, 22-NW
- Cotoneaster acuminatus*
324-64, Z, Nepal, 1964, EG-12
- Cotoneaster acutifolius*
919-87, Z, China, 1987, BR-14
950-85, Z, China, 1985, BR-12
- Cotoneaster acutifolius* var. *vilosulus*
11261, W, China, 1910, EG-15
13165, W, China, 1908, EG-8
- Cotoneaster adpressus*
20883, W, China, 1926, EG-8, EG-13
1114-81, Z, China, 1981, BR-14
45-2001, W, China, 2001, LG-1A
- Cotoneaster ambiguus*
13422, W, China, 1908, EG-8
512-94, Z, China, 1994, BR-12
- Cotoneaster apiculatus*
7275, W, China, 1911, EG-8
205-2005, G, 2005, LG-3I
- Cotoneaster armenus*
1363-70, U, 1970, EG-10
- Cotoneaster atropurpureus*
354-29, G, China, 1929, EG-13
- Cotoneaster bullatus* var. *floribundus*
169-60, G, 1960, EG-8
- Cotoneaster dammeri* 'Skogholm'
1031-84, G, 1984, BR-12
- Cotoneaster dielsianus*
13428, W, China, 1908, EG-8
1795-80, W, China, 1980, BR-14
629-86, Z, China, 1996, BR-14
- Cotoneaster divaricatus*
6587, W, China, 1907, 26-SE
1416-64, Z, China, 1964, EG-15
538-93, Z, China, 1993, BR-12
- 631-97, W, China, 1997, BR-14
754-90, Z, China, 1990, BR-16-NE
984-82, U, 1990, BR-11
- Cotoneaster foveolatus*
13431, W, China, 1907, EG-8, EG-13
1698-80, W, China, 1980, BR-14
333-2002, Z, China, 2002, BR-14
351-70, Z, China, 1970, EG-10
860-84, Z, China, 1984, BR-14
- Cotoneaster harrsmithii*
488-93, W, China, 1993, BR-11
530-71, U, 1971, EG-10
626-97, W, China, 1997, BR-12
66-85, U, 1985, BR-12
- Cotoneaster hebephylloides* var. *hebephylloides*
68-85, G, 1985, BR-14
- Cotoneaster henryanus*
701-65, U, 1965, EG-10
- Cotoneaster horizontalis*
176-2005, G, 2005, LG-3I
1781-80, W, China, 1980, BR-11
75-96, G, China, 1996, LG-3B
- Cotoneaster horizontalis* 'Robustus'
1981-65, G, 1965, 31-NE
353-36, U, 1936, 31-NE
- Cotoneaster horizontalis* 'Tom Thumb'
152-2000, G, 2000, LG-1A
- Cotoneaster lucidus*
3284-2, G, 1919, EG-15
820-60, U, 1960, EG-14
977-65, U, 1965, EG-10
- Cotoneaster melanocarpus*
1016-87, W, Uzbekistan, 1987, BR-1C
1306-80, W, Russian Federation, 1980, BR-14
- Cotoneaster melanocarpus* var. *erythrocarpus*
382-79, W, Russian Federation, 1979, BR-11

<i>Cotoneaster microphyllus</i> 1003-84, G, 1984, BR-1A 1122-81, G, 1981, BR-12	<i>Cotoneaster reticulatus</i> 150-2000, U, 2000, BR-1C 648-97, W, China, 1997, BR-14
<i>Cotoneaster microphyllus</i> var. <i>conspicuus</i> 1019-36, U, 1936, 31-SE	<i>Cotoneaster roseus</i> 1008-84, G, Ukraine, 1984, BR-12
<i>Cotoneaster mongolicus</i> 1007-86, Z, China, 1986, BR-14	<i>Cotoneaster salicifolius</i> 1928-80, W, China, 1980, 52-NE 527-94, Z, China, 1994, BR-12
<i>Cotoneaster monopyranus</i> 349-58, U, 1958, EG-11	<i>Cotoneaster sikangensis</i> 409-84, U, 1984, BR-12
<i>Cotoneaster morrisonensis</i> 271-98, W, Taiwan, 1998, LG-6B 281-98, W, Taiwan, 1998, BR-1C	<i>Cotoneaster splendens</i> 1100-82, G, 1982, BR-12 1281-72, U, 1972, EG-10
<i>Cotoneaster moupinensis</i> 1005-84, U, 1984, BR-12 628-97, W, China, 1997, BR-12	<i>Cotoneaster sternianus</i> 659-33, U, 1933, EG-11
<i>Cotoneaster multiflorus</i> 11334, W, China, 1910, EG-8 471-97, W, China, 1997, BR-11 676-89, Z, China, 1989, BR-16-NW	<i>Cotoneaster submultiflorus</i> 208-2000, W, China, 2000, LG-2I
<i>Cotoneaster obscurus</i> 1231-82, Z, China, 1982, BR-12 596-33, U, 1933, EG-15	<i>Cotoneaster tenuipes</i> 7276, W, China, 1911, EG-7
<i>Cotoneaster perpusillus</i> 7157, W, China, 1908, EG-8 272-85, Z, China, 1985, BR-12	<i>Cotoneaster tomentosus</i> 725-89, W, Iran, 1989, BR-12
<i>Cotoneaster przewalskii</i> 245-27, W, China, 1927, EG-15	<i>Cotoneaster wardii</i> 633-64, U, 1964, EG-7 791-68, U, 1968, EG-10
<i>Cotoneaster racemiflorus</i> 355-95, U, 1995, BR-14 1102-82, U, 1982, BR-1A	<i>Cotoneaster wilsonii</i> 585-87, W, Korea, Republic of, 1987, BR-1A
<i>Cotoneaster racemiflorus</i> var. <i>soongoricus</i> 504-47, G, 1947, 3-NW	<i>Cotoneaster zabelii</i> 896-87, Z, China, 1987, BR-12
<i>Cotoneaster racemiflorus</i> var. <i>veitchii</i> 20075, U, 1913, EG-12 668-58, U, 1958, EG-11	<i>Crataegus</i> sp. 235-89, W, United States, 1989, 55-NW 965-90, W, Mexico, 1990, 59-SW 966-90, W, Mexico, 1990, 55-NE, 55-NW, 59-SW
	<i>Crataegus almaatensis</i> 1196-65, U, 1965, 55-SW

- 34-97, U, 1997, 50-NW, 54-SW
- Crataegus amnicola*
6328, W, United States, 1906, 59-NW
- Crataegus angustata*
30-97, U, 1997, 53-NW
588-74, U, 1974, 50-NW
- Crataegus anomala*
226-95, U, 1995, 53-NE
346-72, U, 1972, 62-SE
- Crataegus arnoldiana*
91-85, U, 1985, 50-SE
- Crataegus brainerdi* var. *asperifolia*
188-52, U, 1952, 55-SW
57-98, G, 1998, 55-SE
- Crataegus brainerdi* var. *scabrida*
14276, U, 1901, 50-NE
- Crataegus brumalis*
62-73, U, 1973, 59-SW
- Crataegus calpodendron*
214-89, W, Canada, 1989, 55-SW
261-95, Z, Canada, 1995, 55-SE
293-2004, Z, United States, 2004, 55-NE
- Crataegus chrysocarpa* var. *bicknellii*
305-2000, W, United States, 2000, 53-NE
99-2001, W, United States, 2001, 55-SW
- Crataegus chrysocarpa* var. *phoenicea*
30-99, Z, country unknown, 1999, 49-SE
65-2006, Z, country unknown, 2006, 59-NW
749-52, Z, country unknown, 1952, 59-NW
- Crataegus coccinoides*
194-71, U, 1971, 62-NE
- Crataegus coleae*
401-72, U, 1972, 62-NE
- Crataegus compacta*
99-96, Z, Canada, 1996, 59-NE
- Crataegus compta*
13623, W, country unknown, 1901, 51-SW
271-88, G, 1988, 59-NW
- Crataegus crus-galli*
463, G, 1875, 25-NW
5029, W, United States, 1903, 55-SW
5053, W, United States, 1903, 55-SW
6321, W, United States, 1908, 59-NW
6355, U, 1906, 59-NW
6500, W, United States, 1909, 59-NW
11905, U, 1908, 55-SE
11913, W, United States, 1901, 55-SW
11914, W, United States, 1901, 55-NE
12079, W, United States, 1902, 55-SW
13600, W, United States, 1900, 55-SE
14015, W, United States, 1903, 55-SW
18912, W, United States, 1906, 59-NW
18918, W, United States, 1916, 59-NW
18920, W, United States, 1903, 55-SW
22149, U, 1932, 59-NW
114-71, U, 1971, 55-NW
170-87, Z, United States, 1987, 30-NW
174-86, Z, United States, 1986, 30-NW
175-86, Z, United States, 1986, 59-NW
176-86, Z, United States, 1986, 52-NW
183-87, Z, United States, 1987, 59-NW
92-85, Z, United States, 1985, 51-SE
- Crataegus crus-galli* (10 stamen variant)
1544-82, W, Canada, 1982, 55-SW
- Crataegus crus-galli* (variant)
1253-51, G, 1951, 55-SE
- Crataegus crus-galli* f. *oblongata*
4851, W, United States, 1901, 55-SE
- Crataegus crus-galli* f. *rubens*
6765, W, United States, 1909, 55-SW
11990, W, United States, 1908, 55-SW
177-86, Z, United States, 1986, 55-SW
- Crataegus crus-galli* var. *arbutifolia*
4532, U, 1900, 55-SW
165-87, U, 1987, 50-NW

- Crataegus crus-galli* var. *bellica*
 11944, U, 1903, 55-SW
 15239, W, United States, 1906, 59-NW
 21789, W, United States, 1902, 55-SW
 159-87, Z, United States, 1987, BR-16-NE
- Crataegus cuneiformis*
 100-96, G, Canada, 1996, 59-NE
 1572-81, U, Canada, 1981, 51-NW
- Crataegus cupulifera*
 128-46, U, 1946, 55-SW
- Crataegus dahurica*
 250-2000, W, China, 2000, 55-SW
 37-95, W, China, 1995, 55-NW
 71-73, U, 1973, 59-NW
- Crataegus densiflora*
 124-91, Z, Canada, 1991, 55-SW
- Crataegus dilatata*
 289-80, Z, United States, 1980, 55-NE
- Crataegus disperma*
 4422, W, United States, 1900, 55-SE
 15278, W, United States, 1900, 43-SW
 161-87, Z, United States, 1987, 22-SW
 163-87, Z, United States, 1987, 55-NW
- Crataegus dodgei*
 1730-81, W, Canada, 1981, 39-NE
 59-98, Z, Canada, 1998, 49-SE
- Crataegus douglasii*
 1155-72, W, United States, 1972, 62-NE
 182-90, W, United States, 1990, 51-SW
 196-98, W, United States, 1998, 55-NW
 335-71, W, United States, 1971, 62-NE
 90-85, Z, United States, 1985, 51-NE
- Crataegus dunbarii*
 4480, U, 1901, 38-SW
- Crataegus durobrivensis*
 112-71, U, 1971, 50-NW
- Crataegus ellwangeriana*
 73-73, U, 1973, 50-NW
- Crataegus engelmannii*
 12053, U, United States, 1902, 55-SW
 102-96, G, United States, 1996, 49-SE
 106-96, Z, United States, 1996, 55-SE
 312-87, Z, United States, 1987, 22-NE
- Crataegus exclusa*
 1218-73, U, 1973, 50-NW
 261-76, U, 1976, 49-NE
- Crataegus fastosa*
 534-74, U, 1974, 12-SW, 62-NE
- Crataegus faxonii*
 230-95, U, 1995, 49-SE
 778-71, U, 1971, 62-NE
- Crataegus flabellata*
 190-52, U, 1952, 55-SW
- Crataegus flavida*
 1571-81, W, Canada, 1981, BR-16-NE
 220-89, W, Canada, 1989, 54-SE, 55-SW
- Crataegus fontanesiana*
 14040, U, 1900, 55-SW
- Crataegus fulleriana*
 1731-81, W, Canada, 1981, 59-SE
- Crataegus × grignonensis*
 656-65, G, 1965, 55-SW
- Crataegus harbisonii*
 92-2000, G, United States, 2000, 51-NE
- Crataegus heldreichii*
 238-71, U, 1971, 55-SW
 407-95, U, 1995, 59-NW
- Crataegus hillii*
 4478, W, United States, 1901, 50-NE

- Crataegus holmesiana*
15260, U, 1907, 50-NE
103-96, G, 1996, 51-NE
- Crataegus hupehensis*
356-81, G, China, 1981, 22-NE
- Crataegus intricata*
753-64, U, 1964, 55-SW
- Crataegus irrasa*
43-97, U, 1997, 49-SE
592-71, U, 1971, 62-NE
- Crataegus irrasa* var. *irrasa*
1325-70, U, 1970, 45-SW
229-95, U, 1995, 53-NE
- Crataegus kansuensis*
101-2001, Z, China, 2001, 55-NE, 55-NW
- Crataegus keepii*
1215-73, U, 1973, 49-NE
- Crataegus laevigata* 'Crimson Cloud'
106-97, G, 1997, 53-NW
- Crataegus lanuginosa*
1344-70, U, 1970, 59-NW
438-95, U, 1995, 51-SE
- Crataegus laurentiana*
1069-69, U, 1969, 58-SW
239-95, U, 1995, 55-NW
63-73, U, 1973, 50-NW
- Crataegus × lavallei*
868-56, G, 1956, 55-SE
- Crataegus lobulata*
586-74, U, 1974, 50-NW
- Crataegus lucorum*
114-96, G, 1996, 53-NE
75-73, U, 1973, 58-SE
- Crataegus macauleyae*
121-71, U, 1971, 62-NE
- Crataegus macracantha*
14126, W, United States, 1902, 25-NW
14127, W, Canada, 1899, 50-NW
169-87, Z, Canada, 1987, BR-16-SE
- Crataegus magnifolia*
122-91, Z, United States, 1991, 59-NW
748-52, Z, United States, 1952, 59-NW
- Crataegus maximowiczii*
309-97, W, China, 1997, 51-SE
- Crataegus mollis*
1535-82, W, Canada, 1982, 51-NW
- Crataegus monogyna*
1373, U, 1899, 4-NE
1576-81, W, Canada, 1981, 51-NE
169-2008, W, Germany, 2008, BR-16-SW
227-89, W, Canada, 1989, 55-SW
- Crataegus monogyna* (variant)
23211, G, 1968, 34-NE
- Crataegus monogyna* 'Stricta'
535-50, U, 1950, 51-SE
- Crataegus monogyna* var. *inermis*
7527, G, 1914, 49-SW
130-94, G, 1994, 49-NW
- Crataegus nemoralis*
533-69, U, 1969, 59-SW
- Crataegus nigra*
36-2004, U, 2004, 55-NW
- Crataegus nitida*
60-98, Z, United States, 1998, 53-NE
661-78, Z, United States, 1978, 49-NW,
49-SW
85-85, Z, United States, 1985, BR
- Crataegus nitidula*
19054, W, Canada, 1903, 13-NW

- Crataegus nuda*
178-86, Z, United States, 1986, 64-NE
743-81, Z, United States, 1981, 51-NW
- Crataegus opaca*
387-96, W, United States, 1996, 55-SE
- Crataegus oxyacantha*
1526-83, W, Czechoslovakia, 1983, 56-NW
344-2001, W, Sweden, 2001, 59-NE
- Crataegus oxyacantha* (variant)
695-45, G, 1945, 49-SE
- Crataegus oxyacantha* 'Charles X'
490-42, G, 1942, 49-SW
- Crataegus oxyacantha* f. *aurea*
7530, G, 1914, 49-SW
- Crataegus oxyacantha* f. *rubra*
7531, G, 1914, 49-SW
111-96, G, 1996, 49-NW
- Crataegus oxyacantha* 'Plena'
6884, G, 1912, 53-NW
61-98, G, 1998, 53-NW
- Crataegus oxyacantha* var. *auriculata*
275-88, G, 1988, 55-SE
- Crataegus paucispina*
115-96, G, 1996, 53-NE
1286-73, U, 1973, 58-SW
- Crataegus pedicellata*
14200, U, 1902, 50-NE
683-74, U, 1974, 50-NW
88-85, Z, United States, 1985, 26-NW
- Crataegus pedicellata* var. *albicaulis*
759-74, U, 1974, 50-NW
- Crataegus pennsylvanica*
75-71, U, 1971, 62-NW
- Crataegus pentagyna*
222-95, Z, Romania, 1995, 53-NE
- Crataegus persimilis*
5512, W, United States, 1905, 55-SW
- Crataegus persimilis* 'Prunifolia'
14228-1, G, 1900, 55-SE
- Crataegus phaenopyrum*
195-52, G, 1952, 59-NW
- Crataegus pinnatifida*
162-2001, Z, country unknown, 2001, 55-NE
- Crataegus poliophylla*
12033, W, United States, 1902, 55-NE
186-95, Z, United States, 1995, 55-SE
- Crataegus praecoqua*
1075-69, U, 1969, 55-SE
- Crataegus pratensis*
638-74, U, 1974, 54-SW
- Crataegus pringlei*
1326-70, U, 1970, 62-NW
1530-82, W, Canada, 1982, 22-NW
230-89, W, Canada, 1989, 59-NW
534-69, U, 1969, 55-NW
- Crataegus pruinosa*
1557-82, W, Canada, 1982, 52-SW
231-89, W, Canada, 1989, 55-SW
664-78, Z, United States, 1978, 50-NW
93-85, Z, United States, 1985, 56-NW, 59-NW
- Crataegus × pseudoambigua*
37-2004, Z, Russian Federation, 2004, 59-NW
793-68, W, Turkmenistan, 1968, 49-SW
- Crataegus punctata*
5608, U, 1905, 55-NE
14234, W, United States, 1883, 26-NE
14413, G, 1900, 55-NE
132-94, G, 1994, 55-NW
404-85, Z, United States, 1985, 34-NE
- Crataegus punctata* var. *pausiaca*
6770, U, 1910, 55-NW

- Crataegus roanensis*
110-71, U, 1971, 58-SE
- Crataegus songorica*
19865, U, 1926, 50-NW
113-96, G, 1996, 53-NE
- Crataegus × sorbifolia*
15291, U, 1912, 49-SW
112-2000, U, 2000, 53-NE
- Crataegus submollis*
122-2005, Z, Latvia, 2005, 55-SW
288-72, U, 1972, 62-NE
80-2000, W, Latvia, 2000, 55-SW, 59-NW
- Crataegus suborbiculata*
240-89, W, Canada, 1989, 54-SE, 55-SW
- Crataegus succulenta*
14421, U, United States, 1906, 50-NW
164-87, Z, United States, 1987, BR-16-SE
239-89, W, Canada, 1989, 55-NW
304-89, Z, United States, 1989, BR-16-SE
471-85, W, United States, 1985, 22-NE
- Crataegus uniflora*
1578-81, W, United States, 1981, 51-NW
52-88, W, United States, 1988, 53-NW
- Crataegus viridis*
6316, W, United States, 1906, 55-NW
104-96, Z, United States, 1996, 53-NW
- Crataegus viridis* var. *lanceolata*
5557, W, United States, 1903, 55-NE
185-95, Z, United States, 1995, 55-NW
- Crataegus viridis* var. *ovata*
14177, W, United States, 1910, 51-SE
- Crataegus viridis* 'Winter King'
620-60, G, 1960, 55-SE
- Crataegus vulsa*
6473, W, United States, 1906, 55-NW
184-95, Z, United States, 1995, 55-NW
185-98, Z, United States, 1998, 53-NE
- Crataegus wilsonii*
1959-80, W, China, 1980, BR-14
271-84, W, China, 1984, 51-SE
749-74, U, 1974, 58-SW
- + *Crataemespilus grandiflora*
492-60, G, 1960, 51-NE
- Cryptomeria japonica*
14460, W, Japan, 1910, 41-SE
1180-50, Z, Japan, 1950, 30-SW
1283-81, G, 1980, 33-SW
811-87, Z, Japan, 1987, 30-SW
838-53, W, Japan, 1953, 30-SW
962-87, Z, Japan, 1987, 30-SW
- Cryptomeria japonica* 'Lobbii'
545-53, G, 1953, 30-SE
- Cryptomeria japonica* 'Rein's Dense Jade'
9-97, G, 1997, LG-PER-S
628-68, G, 1968, LG-PER-S
- Cryptomeria japonica* var. *radicans*
502-86, G, Japan, 1986, 62-SE
- Cryptomeria japonica* var. *sinensis*
188-94, W, China, 1994, 27-SE, 30-NW
- Cudrania tricuspidata*
1354-73, W, Korea, Republic of, 1973, 24-NE
919-85, W, Korea, Republic of, 1985, 51-SW
- × *Cupressocyparis leylandii* 'Haggerston Grey'
534-67, G, 1967, 41-NE
- × *Cupressocyparis notabilis*
1930-80, G, 1980, 26-NW
- Cupressus arizonica*
751-87, W, United States, 1987, 36-NE
829-60, U, 1960, 36-SE
- Cupressus arizonica* var. *montana*
165-96, W, Mexico, 1996, 55-NE
- Cupressus bakeri*
35612, W, United States, 1997, 26-NW

199-63, U, 1963, 30-SW	<i>Daphne genkwa</i> 417-2003, G, 2003, DGB, LG-6B
<i>Cupressus macrocarpa</i> 980-73, G, 1973, 30-SW	<i>Daphne giraldii</i> 272-2004, G, 2004, LG-1C
<i>Cupressus nootkatensis</i> 1078-28, G, 1928, 36-NE 201-60, G, 1960, 31-SE	<i>Daphne mezereum f. alba</i> 364-2001, G, 2001, LG-6C
<i>Cupressus nootkatensis 'Aurea'</i> 1810-65, G, 1965, 36-NE	<i>Daphne tangutica</i> 557-2007, G, 2007, LG-1B
<i>Cupressus nootkatensis 'Pendula'</i> 1170-63, G, 1963, 14-SW 935-62, G, 1962, 31-SE	<i>Daphne × transatlantica 'Blafra'</i> 558-2007, G, 2007, LG-6C
<i>Cupressus nootkatensis 'Viridis'</i> 986-71, G, 1971, 31-NW	<i>Davidia involucrata</i> var. <i>vilmoriniana</i> 5159, Z, China, 1904, EG-4 14473, W, China, 1911, EG-8 1636-83, G, 1983, 21-SE
<i>Cycas revolute</i> 986-75, G, 1975, WH-INTERIOR	<i>Decodon verticillatus</i> var. <i>laevigatus</i> 582, W, United States, 1886, BR-FAXON-POND
<i>Cycas taitungensis</i> 282-2011, U, Taiwan, 2011, WH-INTERIOR	<i>Decumaria barbara</i> 579-2003, W, United States, 2003, LG-3K
<i>Cydonia oblonga</i> 829-84, U, 1984, BR-12	<i>Decumaria barbara</i> 'Chatoga' 264-2006, G, 2006, DGB
<i>Cyrilla racemiflora</i> 15362, G, 1922, EG-9 476-95, G, 1995, 3-SE	<i>Decumaria sinensis</i> 263-2006, G, 2006, LG-PER-S
<i>Cytisus elongatus</i> 1165-81, G, 1981, 21-NW	<i>Deutzia coreana</i> 460-73, U, 1973, 21-SE
<i>Cytisus sessilifolius</i> 14361, G, 1924, EG-9	<i>Deutzia discolor</i> 464-87, W, China, 1987, 21-NE
<i>Cytisus supinus</i> 284-83, U, 1983, 27-SW 413-92, G, 1992, 27-SW 538-2003, G, 2003, LG-7H	<i>Deutzia × elegantissima</i> 917-81, G, 1981, 27-NE
<i>Daphne × burkwoodii</i> 'Carol Mackie' 351-2003, G, 2003, LG-6C	<i>Deutzia glabrata</i> 160-2001, W, China, 2001, 27-NE 231-2002, W, Korea, Republic of, 2002, 27-NE
<i>Daphne cneorum</i> 'Ruby Glow' 474-2002, G, 2002, LG-1D	

- Deutzia globosa*
957-86, U, 1986, 27-NE, 27-NW
- Deutzia gracilis* 'Nikko'
427-2002, G, 2002, LG-7C
- Deutzia grandiflora*
65-97, W, China, 1997, 27-NE
- Deutzia longifolia*
919-81, G, 1981, 27-NE
- Deutzia longifolia* 'Elegans'
850-80, Z, China, 1980, 27-NE
- Deutzia × magnifica*
920-81, G, 1981, 27-NE
- Deutzia × magnifica* 'Formosa'
922-81, G, 1981, 27-NE
- Deutzia × magnifica* 'Superba'
841-80, G, 1980, 27-NE
- Deutzia mollis*
617-74, U, 1974, 27-NE
- Deutzia × myriantha*
9-87, G, 1987, 27-NW
- Deutzia ningpoensis*
345-92, G, 1992, LG-2K
- Deutzia paniculata*
197-96, Z, Korea, Republic of, 1996, 27-NE
- Deutzia parviflora*
63-97, W, China, 1997, 27-NE
- Deutzia parviflora* var. *amurensis*
294-85, W, country unknown, 1985, 21-NE
402-73, U, 1973, 21-SE
- Deutzia pulchra*
896-82, G, 1982, 33-NE, 33-SE
- Deutzia × rosea* 'Carminea'
915-81, G, 1981, 27-SE
- Deutzia rubens*
1003-86, Z, China, 1986, 33-NE
- Deutzia scabra*
164-78, W, Japan, 1978, 15-SW
230-2008, W, Japan, 2008, 27-SE
402-2007, W, Japan, 2007, 27-SE
403-2007, W, Japan, 2007, 27-SE
714-85, W, Japan, 1985, 62-SE
- Deutzia scabra* 'Candidissima'
923-81, G, 1981, 27-NE
- Deutzia scabra* 'Pink Minor'
174-2003, G, 2003, LG-7F
- Deutzia scabra* var. *prunifolium*
924-81, U, 1981, 27-NE
- Deutzia schneideriana*
196-96, G, China, 1996, 27-NE
1975-80, W, China, 1980, 27-SE
213-97, Z, China, 1997, LG-3F
- Deutzia vilmoriniae*
296-2000, W, China, 2000, 27-NE
300-2000, W, China, 2000, 27-NE
- Diervilla rivularis*
189-2000, Z, United States, 2000, 33-NW
240-2004, Z, United States, 2004, 33-NW
241-2004, Z, United States, 2004, 33-NW
257-2001, Z, United States, 2001, 33-NW
287-2001, Z, United States, 2001, 33-NW
385-2003, Z, United States, 2003, 33-NW
386-2003, Z, United States, 2003, 33-NW
387-2003, Z, United States, 2003, 33-NW
388-2003, Z, United States, 2003, 33-NW
389-2003, Z, United States, 2003, 33-NW
390-2003, Z, United States, 2003, 33-NW
391-2003, Z, United States, 2003, 33-NW
394-2003, Z, United States, 2003, 33-NW
395-2003, Z, United States, 2003, 33-NW
397-2003, Z, United States, 2003, 32-NE
398-2003, Z, United States, 2003, 33-NW
421-2003, Z, United States, 2003, 32-NE
422-2003, Z, United States, 2003, 32-NE
423-2003, Z, United States, 2003, LG-2A

- 424-2003, Z, United States, 2003, LG-2A
 425-2003, Z, United States, 2003, 7-SW
 426-2003, Z, United States, 2003, 7-SW
 427-2003, Z, United States, 2003, 7-SW
 428-2003, Z, United States, 2003, LG-2A
 429-2003, Z, United States, 2003, LG-2A
 430-2003, Z, United States, 2003, 7-SW
- Diervilla sessilifolia*
 1378-85, W, United States, 1985, 26-NW
 198-2004, Z, United States, 2004, LG-2B
 199-2004, Z, United States, 2004, LG-2B
 200-2004, Z, United States, 2004, 7-SW
 201-2004, Z, United States, 2004, LG-2B
 202-2004, Z, United States, 2004, LG-2B
 207-2004, Z, United States, 2004, 7-SW
 208-2004, Z, United States, 2004, 7-SW
 209-2004, Z, United States, 2004, 32-NE
 217-2004, Z, United States, 2004, 32-NE
 218-2004, Z, United States, 2004, 32-NE
 220-2004, Z, United States, 2004, 32-NE
 229-2004, Z, United States, 2004, 26-SE
 230-2004, Z, United States, 2004, 26-SE
 231-2004, Z, United States, 2004, 26-SE
 243-2004, Z, United States, 2004, 26-SE
 341-2005, Z, United States, 2005, 26-SE
 406-97, U, 1997, 37-NW
 453-2003, Z, United States, 2003, 26-SE
 455-2003, Z, United States, 2003, 26-SE
 461-2003, Z, United States, 2003, 26-SE
 466-2003, Z, United States, 2003, 26-SE
 515-2007, Z, United States, 2007, 33-NW
 517-2007, Z, United States, 2007, 33-NW
 52-87, W, United States, 1987, 57-SE
 53-87, W, United States, 1987, 62-NW
 752-78, U, 1978, 32-SW
- Diospyros lotus*
 378-86, W, Korea, Republic of, 1986, 55-SE
 668-32, U, 1932, 24-NE
- Diospyros virginiana*
 14513, G, 1896, 21-NE, 58-SW
 1392-85, W, United States, 1985, 21-NE
 152-69, G, 1969, 34-NE
 286-97, G, 1997, 59-SE, 63-NW
 801-87, W, United States, 1987, 15-SE, 21-NE
- Dipelta floribunda*
 14514, W, China, 1911, EG-14
 1650-80, W, China, 1980, EG-13
 1884-80, W, China, 1980, 53-NW
 433-94, Z, China, 1994, EG-14
- Dipelta ventricosa*
 213-82, G, 1982, EG-14
- Dipelta yunnanensis*
 601-97, W, China, 1997, EG-14
- Dirca occidentalis*
 311-86, Z, United States, 1986, 15-NW
- Dirca palustris*
 155-91, W, United States, 1991, 31-NE
 487-2002, G, 2002, LG-1B
 838-80, W, United States, 1980, 31-NE
- Disporum sessile 'Variegatum'*
 446-94, G, 1994, 3-NW
- Dracunculus vulgaris*
 627-94, G, 1994, DGB
- Ehretia ovalifolia*
 6901, W, China, 1908, EG-9
 1180-83, G, 1983, EG-9
 6901-1, Z, China, 1925, EG-3
 981-62, G, 1962, EG-9
- Elaeagnus lanceolata*
 453-87, W, China, 1987, 13-NE
- Elaeagnus multiflora*
 1136-3, G, 1881, 14-NW
 543-49, G, 1949, 14-NW
 738-90, G, 1990, 13-NE
- Elaeagnus umbellata*
 14525, W, Korea, Republic of, 1904, 13-NE
 20889, U, 1926, 13-NE
 1017-90, W, Japan, 1990, 13-NE
 1838-80, W, China, 1980, 59-NE
 319-40, Z, Japan, 1940, 14-NW
 737-90, Z, Korea, Republic of, 1990, 13-NE
 776-75, G, 1975, 14-NW

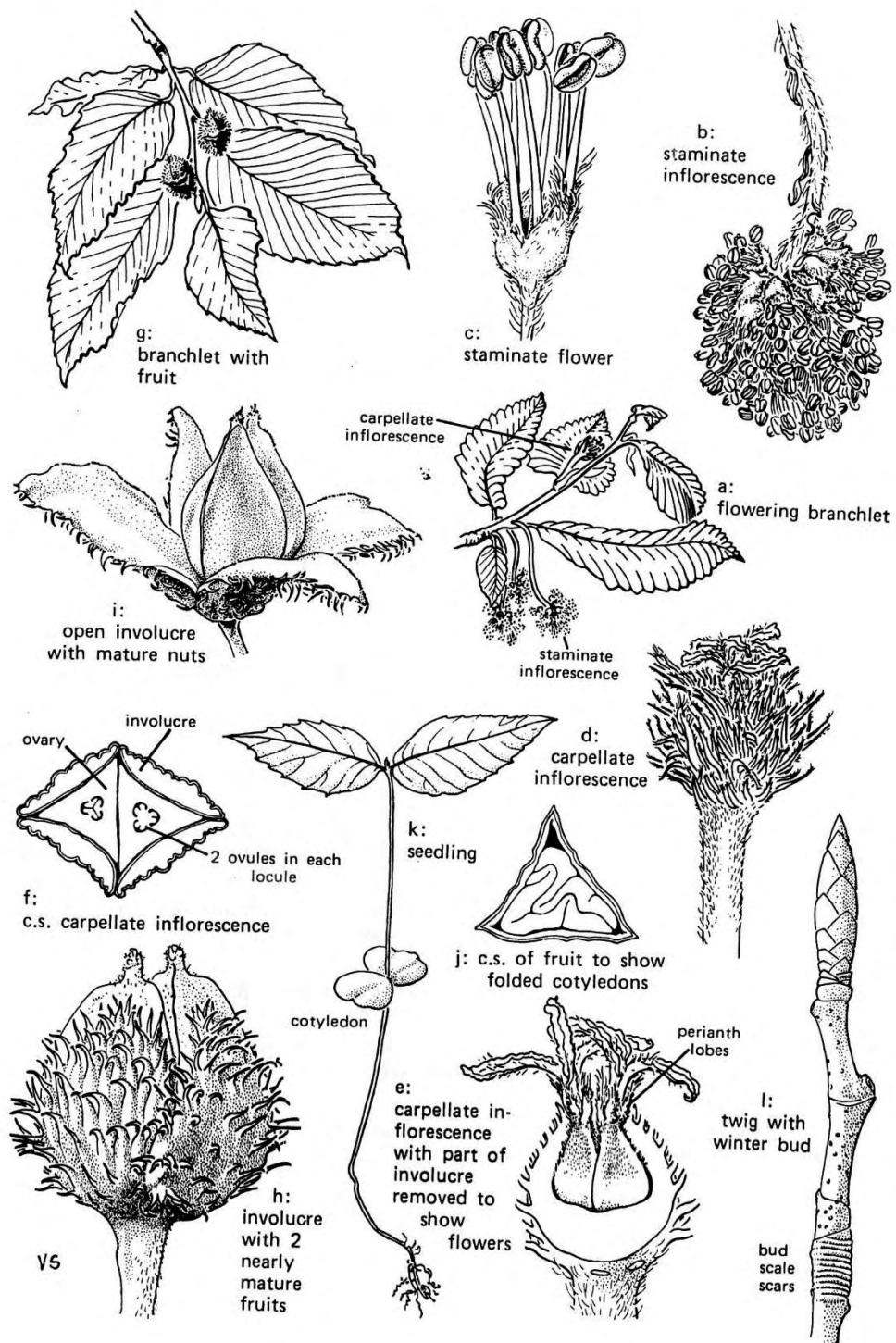
- Elaeagnus umbellata* var. *parvifolia*
348-56, G, 1956, 13-NE
- Eleutherococcus divaricatus*
217-96, Z, Japan, 1996, 13-SW, 19-NW
- Eleutherococcus henryi* var. *henryi*
789-77, U, 1977, 21-NE
968-86, Z, country unknown, 1986, EG-3
- Eleutherococcus leucorrhizus*
633-84, G, China, 1984, 62-SE
- Eleutherococcus senticosus*
306-89, U, 1989, 21-NE
- Eleutherococcus seoulensis*
570-80, W, Korea, Republic of, 1980, 52-SW
- Eleutherococcus sessiliflorus*
23165, U, year unknown, 24-NE
1425-77, W, Korea, Republic of, 1977, 21-NE
533-74, U, 1974, 21-NE
- Eleutherococcus setchuenensis*
563-84, W, China, 1984, 21-NE
- Eleutherococcus sieboldianus*
273-74, U, 1974, 26-NE
- Elliottia racemosa*
32-99, G, 1999, LG-6D
- Elsholtzia stauntonii*
928-81, Z, China, 1981, EG-9
- Elsholtzia stauntonii* 'Alba'
253-2000, G, 2000, LG-8C
- Empetrum hermaphroditum*
342-2001, W, Sweden, 2001, DGB
- Empetrum nigrum*
117-2001, W, Denmark, 2001, DGB, LG-6A
- Empetrum nigrum* 'Compass Harbor'
196-2007, G, 2007, LG-8H
- Enkianthus campanulatus*
14782, U, 1923, EG-6, 8-NW
23001, U, 1923, EG-6, 8-NW
23087, G, 1956, 8-NW
14528-1, G, 1902, EG-6
393-56, U, 1956, 3-NW
425-30, U, 1930, 8-NW
444-93, U, 1993, 3-NW
535-93, Z, Japan, 1993, 3-NW, 8-NW
- Enkianthus campanulatus* 'Showy Lantern'
1090-84, G, 1984, 3-NW, 8-NW
- Enkianthus campanulatus* var. *campanulatus*
507-58, U, 1957, 8-NW
- Enkianthus campanulatus* var. *palibinii*
1077-76, G, 1976, 32-SE, 33-NW
- Enkianthus chinensis*
272-2001, Z, China, 2001, 8-NW
- Enkianthus deflexus*
1368-83, U, 1983, EG-9
387-84, G, 1984, EG-9
- Enkianthus perulatus*
3591, U, 1890, EG-6
20153, U, 1890, EG-6
975-77, U, 1977, 8-NW
- Ephedra minuta*
179-2003, G, 2003, LG-8H
- Epimedium stellatum*
304-98, Z, China, 1998, DGB
- Epimedium* × *rubrum*
1172-77, G, 1977, 37-SE
- Erica arborea*
139-97, G, Spain, 1997, DGB
- Erica carnea* 'Springwood White'
259-2003, G, 2003, LG-6E
- Erica carnea* 'Vivelli'
220-2006, G, 2006, LG-8B

- Erica darleyensis* 'Ghost Hills'
221-2006, G, 2006, LG-8H
- Erica spiculifolia*
169-2007, G, 2007, LG-2C
- Erica vagans* 'St. Keverne'
222-2006, G, 2006, LG-8H
- Eucommia ulmoides*
14538, U, 1907, 4-NE
21931, U, 1929, 18-SE, 4-NE
112-40, U, 1940, 4-NE
494-89, W, Korea, Republic of, 1989, 4-NE
708-68, G, 1968, 18-NE
- Euonymus alatus*
1089-81, Z, China, 1981, 13-SE
962-85, W, Korea, Republic of, 1985, 19-NE
- Euonymus alatus* f. *apterus*
14543, W, Korea, Republic of, 1905, 19-NE
21439, U, 1930, 19-NE
- Euonymus americanus*
393-2004, W, United States, 2004, 13-SE
- Euonymus bungeanus*
22874, G, 1950, 4-NE
1032-84, Z, China, 1984, 19-SE
506-93, U, 1993, 19-SE
922-85, W, Korea, Republic of, 1985, 19-SE
937-50, G, 1950, 13-SE
94-33, G, 1933, 19-NE
- Euonymus bungeanus* var. *semipersistens*
344-40, U, 1940, 19-NE
736-90, U, 1990, 19-NE
- Euonymus carnosus*
363-81, G, China, 1981, 19-SE
373-2001, G, 2002, LG-2G
- Euonymus europaeus*
1518-83, W, Hungary, 1983, 13-SE, 19-NE
801-88, U, 1988, 19-SE
99-35, U, 1935, 19-NE
- Euonymus europaeus* 'Atrorubens'
9099, U, 1914, 13-SE
- Euonymus europaeus* 'Chrysophyllus'
991-85, U, 1985, 19-SE
- Euonymus fimbriatus*
884-80, U, 1980, 11-SW
- Euonymus fortunei* 'Carrierei'
6841-1, G, 1925, 14-NE
- Euonymus fortunei* 'Coloratus'
21105, G, 1930, 3-NE
22677, G, 1940, 14-NE, 14-SE
- Euonymus grandiflorus*
351-95, G, 1995, 19-SE
- Euonymus lanceifolius*
373-62, G, 1962, 13-SE
- Euonymus latifolius*
1481-23, G, 1923, 13-SE
- Euonymus maackii*
14566-1, G, 1923, 19-NE
353-95, U, 1995, 19-SE
648-89, G, 1989, 19-NE
- Euonymus nanus* var. *turkestanicus*
742-90, G, 1990, 19-NE
- Euonymus oresbius*
507-93, U, 1993, 13-SE, 19-NE
- Euonymus oxyphyllus*
1237-51, G, 1951, 13-SE
- Euonymus pauciflorus*
627-74, U, 1974, 11-NW
- Euonymus phellomanus*
877-80, Z, China, 1980, 19-SE
- Euonymus przewalskii*
649-89, Z, country unknown, 1989, 19-NE

- Euonymus sachalinensis*
118-2002, G, 2002, 19-SE
- Euonymus sieboldianus*
22329, U, 1930, 19-NE
1261-83, W, Korea, Republic of, 1983, 55-SE
14576-2, G, 1923, 13-SE
1458-83, W, Japan, 1983, 19-NE
292-76, U, 1976, 11-NW
373-92, Z, Country unknown, 1992, 13-SE, 19-SE
388-86, W, Korea, Republic of, 1986, 55-NE
395-65, U, 1965, 13-SE
874-80, U, 1980, 19-NE
- Euonymus yedoensis* var. *koehneanus*
760-57, G, 1957, 19-NE
- Euptelea polyandra*
1610-77, W, Japan, 1977, 4-NE
- Exochorda giraldii*
1503-52, G, 1952, EG-32-NE
- Exochorda giraldii* var. *wilsonii*
11626, W, China, 1908, 26-SE
611-79, Z, China, 1979, 22-NE
- Exochorda korolkowii*
855-70, G, 1970, 26-SE
- Exochorda × macrantha*
6489-1, U, 1924, 24-SE
779-78, U, 1978, 22-NE
- Exochorda × macrantha* 'The Bride'
176-2003, G, 2003, LG-2C
- Exochorda racemosa*
10169, U, 1907, 26-SE
1237-52, G, 1951, EG-26-SE
- Exochorda serratifolia*
663-65, G, 1965, 26-SE
- Fagus crenata*
2122, W, Japan, 1892, 37-SE
23032, G, 1953, 38-SW
23179, G, 1964, 53-SW
- 24-98, W, Japan, 1998, 38-SW
32-2005, W, Japan, 2005, 47-SW, 58-NW
394-64, G, 1964, 54-SW
535-81, W, Japan, 1981, 37-NE
- Fagus crenata* var. *multinervis*
429-87, W, Korea, Republic of, 1987, 37-SE
45-2005, Z, Korea, Republic of, 2005, 47-SW, 62-SW
- Fagus engleriana*
7416, W, China, 1911, 37-NE, 53-NW
383-27, Z, China, 1927, 38-NW
49-2005, Z, China, 2005, 37-NE
- Fagus grandifolia*
6782, W, United States, 1911, 37-NE
10801, W, United States, 1908, 37-NE
14585, W, United States, 1885, 37-NE, 37-NW
22798, G, 1948, 37-NW, 57-NE, 58-SW
23178, G, 1964, 53-SW
23274, U, 1991, 36-SE
1202-85, W, United States, 1985, 47-SE
26-80, W, United States, 1980, 64-SE
- Fagus grandifolia* var. *caroliniana*
263-92, W, United States, 1992, 37-NE, 37-NW
75-2005, Z, United States, 2005, 62-SW
- Fagus japonica*
5277, W, Japan, 1905, 37-NE
14587, U, 1904, 37-NE
23182, G, 1964, 37-NE
144-2003, Z, Japan, 2003, 57-NE
51-2005, Z, Japan, 2005, 37-SE, 58-NW
753-86, G, 1986, LARZ
- Fagus lucida*
7418, W, China, 1911, 38-NW
23033, G, 1953, 37-NE
- Fagus moesiaca*
617-92, G, 1992, 37-SE
- Fagus orientalis*
14586, G, 1912, 38-SW

- 14586-1, G, 1925, 37-NE
 198-87, G, 1987, 38-SW
 239-29, G, 1929, 37-SE
 240-86, G, 1986, 32-SE
 95-2009, W, Georgia, 2009, 33-NW
- Fagus sylvatica*
 14588, G, 1875, 27-SW
 18159, G, 1925, 38-SW
 22945, G, 1951, 27-NW
 186-57, G, 1957, LG-PER-W
 2097-65, G, 1965, 58-SW
 245-64, G, 1964, 58-NW
 290-93, U, 1993, 37-SE
 56-2005, W, Switzerland, 2005, 62-SW
 58-2005, W, France, 2005, 37-NE
 63-2005, U, Switzerland, 2005, 58-NW
 667-2008, U, 2008, 1-SW
- Fagus sylvatica* f. *tortuosa*
 228-93, G, 1993, 25-SW, 27-SW
- Fagus sylvatica* 'Asplenifolia'
 14593, G, 1886, 37-NE
- Fagus sylvatica* 'Atropunicea'
 308-43, G, 1943, 38-SW
 452-51, G, 1951, LG-PER-N
- Fagus sylvatica* 'Bornyensis'
 246-64, G, 1964, 58-SW
- Fagus sylvatica* "Boswick"
 695-53, G, 1953, 33-SW
- Fagus sylvatica* 'Fastigiata'
 14591, G, 1913, 37-NE
 241-86, G, 1986, 37-SE
- Fagus sylvatica* 'Grandidentata'
 14592, G, 1912, 37-SE
- Fagus sylvatica* 'Laciniata'
 5361, G, 1903, 53-NW
 14595, G, 1886, 38-SW
- Fagus sylvatica* 'Pendula'
 14597, G, 1903, 38-SW
- 22746, G, 1942, 27-SW
 77-98, G, 1998, 37-SE
- Fagus sylvatica* 'Purpureo-Pendula'
 78-98, G, 1998, 37-NE
- Fagus sylvatica* 'Riversii'
 233-94, G, 1994, 37-SW
 327-48, G, 1948, 37-NE
 600-64, G, 1964, 33-SE
- Fagus sylvatica* 'Rohanii'
 357-49, G, 1949, 33-SW
- Fagus sylvatica* 'Roseo-Marginata'
 495-95, G, 1995, 27-SW
- Fagus sylvatica* 'Spaethiana'
 1419-51, G, 1951, LG-PER-N
- Fagus sylvatica* 'Tortuosa'
 2420, Z, France, 1885, 38-SW
 14599, Z, France, 1888, 37-NE
 253-80, Z, France, 1980, 45-NW, 57-NW
 405-80, Z, France, 1980, 27-SW
- Fagus sylvatica* 'Zlatia'
 17867, Z, country unknown, 1912, 38-NW
 530-75, Z, country unknown, 1975, 37-SE
- Fallopia aubertii*
 167-2007, G, 2007, LG-9B.10
- Fargesia murielae*
 1239-60, U, 1960, 34-SW
- Flueggea suffruticosa*
 13379, W, China, 1923, 18-SE
 12-92, Z, China, 1992, 18-SE
 1875-77, W, Korea, Republic of, 1977, 26-SW
 454-87, W, China, 1987, 18-SE
 625-85, W, Korea, Democratic People's
 Republic of, 1985, 59-NE
 918-82, U, 1982, 31-NE
 95-99, Z, Korea, Republic of, 1999, 19-NW
- Fontanesia fortunei*
 1542-80, W, China, 1980, 27-SE

FAGACEAE: *Fagus*. a-l, *F. grandifolia*



<i>Fontanesia philliraeoides</i> var. <i>philliraeoides</i> 1730, G, 1980, 24-NE 274-58, U, 1958, 22-SW	<i>Forsythia × intermedia</i> 'Arnold Brilliant' 1121-71, G, 1971, 27-SE 281-2005, G, 2005, 21-SE, LG-7H
<i>Forestiera acuminata</i> 341-96, G, 1996, 20-NE	<i>Forsythia × intermedia</i> 'Arnold Giant' 206-2007, G, 2007, 22-SW 967-71, G, 1971, 27-SE
<i>Forestiera neo-mexicana</i> 342-96, G, 1996, 20-NE	<i>Forsythia × intermedia</i> 'Courdijau' 178-93, G, 1993, LG-3B
<i>Forsythia</i> (undetermined hybrid) 275-2005, G, 2005, 22-SW 276-2005, G, 2005, 22-SW	<i>Forsythia × intermedia</i> 'Courtasol' 180-93, G, 1993, LG-8A
<i>Forsythia</i> 'Arnold Dwarf' 1250-50, G, 1950, 26-NE 218-2005, G, 2005, 21-SE 520-70, G, 1970, WH3-NE	<i>Forsythia × intermedia</i> (Farrand Hybrids Group) 590-59, G, 1959, 22-SW
<i>Forsythia</i> 'Beatrix Farrand' 1504-66, G, 1966, 27-SE 150-2008, G, 2008, 22-SW 55-2007, G, 2007, 22-SW 785-81, G, 1981, 39-NE	<i>Forsythia × intermedia</i> 'Karl Sax' 253-2005, G, 2005, 21-SE, LG-2L 961-71, G, 1971, 27-SE
<i>Forsythia</i> 'Helios' 182-93, G, 1993, 21-SE	<i>Forsythia × intermedia</i> 'Lynwood' 964-71, G, 1971, 27-SE, 3-NW
<i>Forsythia</i> 'Kanarek' 177-93, G, 1993, 21-SE	<i>Forsythia × intermedia</i> 'Nana' 260-2005, G, 2005, 21-SE
<i>Forsythia</i> 'Meadowlark' 1192-83, G, 1983, 39-NE 198-2007, G, 2007, 21-SE 273-2002, G, 2002, 21-SE	<i>Forsythia × intermedia</i> 'Primulina' 1190-71, G, 1971, 21-SE, 27-SE
<i>Forsythia</i> 'Northern Sun' 215-87, G, 1987, 21-SE	<i>Forsythia × intermedia</i> 'Spectabilis' 146-40, G, 1940, 1-NW 348-2005, G, 2005, 22-SW
<i>Forsythia europaea</i> 1100-84, G, 1984, 21-SE 594-87, U, 1987, 21-SE	<i>Forsythia × intermedia</i> 'Spring Glory' 246-2005, G, 2005, 21-SE 912-87, G, 1987, 45-SW 966-71, G, 1971, 27-SE, 3-NW
<i>Forsythia giraldiana</i> 12-38, W, China, 1938, 21-SE, 27-NE 129-93, W, China, 1993, 21-SE 208-2007, Z, China, 2007, 21-SE	<i>Forsythia × intermedia</i> 'Tremonia' 216-2005, G, 2005, 21-SE
	<i>Forsythia japonica</i> 101-2005, U, 2005, 22-SW

- Forsythia mandschurica*
261-2005, U, 2005, 22-SW
93-68, U, 1968, 22-SW
- Forsythia ovata*
1062-86, Z, Korea, Republic of, 1986, 33-NW
204-2007, G, 2007, 22-SW
219-2005, Z, Korea, Republic of, 2005, 21-SE
320-2005, Z, Korea, Republic of, 2005, 22-SW
962-71, G, 1971, 27-SE
- Forsythia ovata* 'Dresdner VonFruhling'
617-94, G, 1994, 21-SE
- Forsythia ovata* 'French's Florence'
203-2007, Z, Korea, Republic of, 2007, 22-SW
553-67, Z, Korea, Republic of, 1967, 27-SE
- Forsythia ovata* 'Tetra Gold'
1027-66, G, 1966, 22-SW
259-2005, G, 2005, 21-SE
- Forsythia suspensa*
224-2005, W, China, 2005, 27-NE
708-42, G, 1942, 3-NW
- Forsythia suspensa* 'Atrocaulis'
278-2005, G, 2005, 22-SW
- Forsythia suspensa* 'Decipiens'
353-2005, G, 2005, 22-SW
- Forsythia suspensa* 'Nyman's Variety'
284-2005, G, 2005, 21-SE
90-57, G, 1957, 27-SE
- Forsythia suspensa* 'Pallida'
267-2005, G, 2005, 22-SW
- Forsythia suspensa* var. *fortunei*
277-2005, G, 2005, 22-SW
968-71, G, 1971, 27-SE
- Forsythia suspensa* var. *sieboldii*
247-2005, U, 2005, 21-SE
32-53, U, 1953, 17-SW
- Forsythia × variabilis* 'Volunteer'
274-2005, G, 2005, 22-SW
- Forsythia viridissima*
1223-85, U, 1985, 27-NE
309-67, U, 1967, 27-SE
597-84, W, China, 1984, 21-SE, 33-NW
- Forsythia viridissima* var. *koreana*
1241-68, Z, Korea, Republic of, 1968, 27-SE
- Fortunearia sinensis*
438-80, W, China, 1980, 32-SE
580-79, U, 1979, 24-SE
- Fothergilla* (undetermined hybrid)
709-67, G, 1967, 32-SE
- Fothergilla gardenii*
1044-67, G, 1967, 32-SE
1055-67, G, 1967, 37-SE
498-2010, W, United States, 2010, DGB
- Fothergilla gardenii* 'Blue Mist'
306-92, U, 1992, DGB
- Fothergilla gardenii* 'Harold Epstein'
681-88, W, United States, 1988, LG-2K
- Fothergilla × intermedia* 'Mt. Airy'
182-96, G, 1996, 26-SE, 3-NW
429-2002, G, 2002, LG-8I
738-93, U, 1993, 26-SE
- Fothergilla major*
4163, U, 1899, 32-SE
23195, G, 1966, 32-SE
103-2007, W, United States, 2007, 19-NE
1102-88, W, United States, 1988, 26-SE
123-85, W, United States, 1985, 26-NE, 26-SE
165-98, Z, United States, 1998, LG-1C
299-74, G, 1974, 26-SW
33-87, W, United States, 1987, 26-NE
459-42, W, United States, 1942, 26-SE
560-95, W, United States, 1995, LG-1C,
LG-1F
660-91, W, United States, 1991, 26-SE
694-34, G, 1934, 3-NE

- 777-88, W, United States, 1988, 26-SE
 789-78, G, 1978, 26-SE
 966-88, W, United States, 1988, 26-SE
 968-88, W, United States, 1988, 32-SE
 970-88, W, United States, 1988, 26-SE
- Franklinia alatamaha*
 2428-3, U, 1905, EG-9
 254-81, G, 1981, 26-NE
- Fraxinus* sp.
 12209, G, China, 1920, 21-SW
- Fraxinus americana*
 22876, U, 1950, 26-NE
 527-2008, U, 2008, 4-NE
 636-88, W, United States, 1988, 20-NE
 968-79, W, United States, 1979, 27-NE
- Fraxinus americana* (undetermined hybrid)
 20-35, G, 1935, 27-NW
- Fraxinus americana* var. *americana*
 252-38, U, 1938, 21-SW
- Fraxinus americana* var. *biltmoreana*
 305-86, Z, United States, 1986, 27-NE,
 27-NW
 319-82, Z, United States, 1982, 26-NE
- Fraxinus angustifolia* 'Monophylla'
 14661, G, 1911, 21-SW
- Fraxinus angustifolia* ssp. *angustifolia*
 5847-1, G, 1922, 27-SW
- Fraxinus angustifolia* ssp. *oxycarpa*
 18881, G, 1925, 27-SW
 1220-73, U, 1973, 33-NW
 160-90, U, 1990, 21-SW, 27-NE, 27-NW
 1624-65, U, 1965, 21-SW
 200-86, U, 1986, 20-NW
 215-86, U, 1986, 20-NE
 307-58, G, 1958, 21-SW, 27-NW
 716-77, W, Republic of Montenegro, 1977,
 27-NE
 799-83, U, 1983, 20-NE
- Fraxinus angustifolia* ssp. *pannonica*
 1081-80, U, 1980, 20-SE
- Fraxinus angustifolia* ssp. *syriaca*
 330-2008, W, Israel, 2008, 27-NW
- Fraxinus bungeana*
 14625, W, China, 1882, 27-SW
- Fraxinus caroliniana*
 84-89, U, 1989, 49-SE
- Fraxinus chinensis*
 14615, W, China, 1906, 26-SE
 19546, W, China, 1910, 27-NE
 422-49, G, 1949, 27-NW
 439-80, W, China, 1980, 27-NW
 572-79, U, 1979, 50-NE
- Fraxinus chinensis* var. *rhynchophylla*
 8159, U, 1907, 27-NW
 10673, W, Korea, Republic of, 1905, 27-SW
 22781, G, 1946, 26-SE
 1210-82, W, Korea, Republic of, 1982, 27-NW
 428-96, W, China, 1996, 27-SW
 429-96, W, China, 1996, 21-SE, 27-SW
 613-85, W, Korea, Democratic People's
 Republic of, 1985, 27-NW
 910-77, W, Korea, Republic of, 1977, 21-SW,
 27-NW
- Fraxinus excelsior*
 1394-80, W, Russian Federation, 1980, 20-NE
 1440-84, U, 1984, 55-NE
 1483-83, W, Czechoslovakia, 1983, 49-NE
 241-91, W, Iran, 1991, 20-NE, 20-NW
- Fraxinus excelsior* ssp. *excelsior*
 14630, U, 1886, 21-SW
 1085-64, U, Afghanistan, 1964, 27-SW
- Fraxinus excelsior* 'Aurea'
 254-65, U, 1965, 27-NW
- Fraxinus excelsior* 'Crispa Variegata'
 263-65, G, 1965, 21-SW

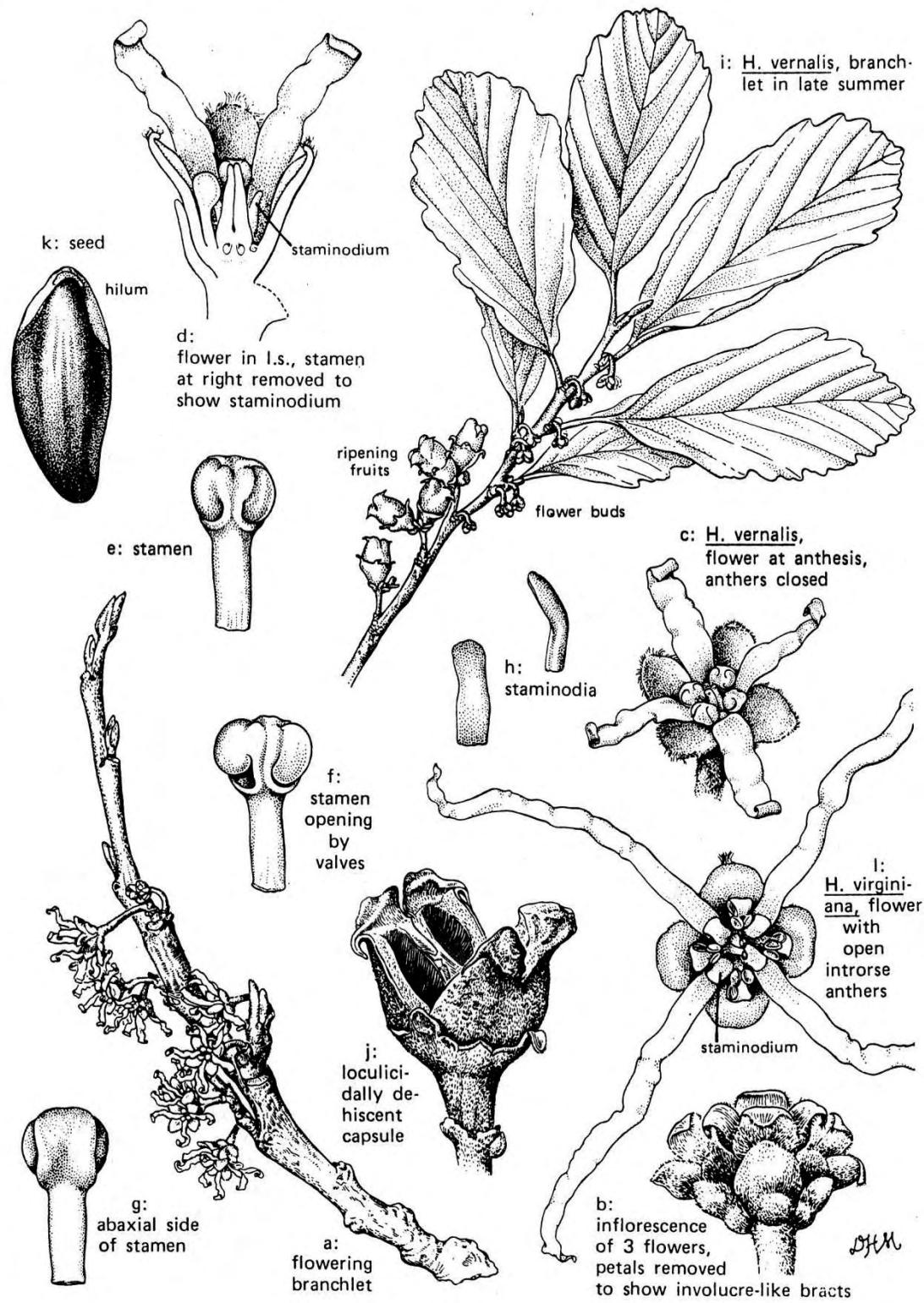
- Fraxinus excelsior* 'Diversifolia Pendula'
409-37, G, 1937, 27-NE
- Fraxinus excelsior* 'Doorenbos'
260-65, G, 1965, 27-NW
- Fraxinus excelsior* 'Hessei'
257-65, G, 1965, 27-NW
- Fraxinus excelsior* 'Westhof's Glorie'
264-65, G, 1965, 21-SW, 27-NW
- Fraxinus insularis*
19-2009, W, China, 2009, 27-SW
- Fraxinus lanuginosa*
1103-76, U, 1976, 21-SW
1313-78, U, 1978, 27-NE
715-88, W, Japan, 1988, 21-NW
- Fraxinus latifolia*
1390-83, W, United States, 1983, 20-SE
512-71, U, 1971, 27-NW
637-88, W, United States, 1988, 20-SE
- Fraxinus longicuspis*
5278, W, Korea, Republic of, 1906, 53-NE
5278-2, Z, Korea, Republic of, 1919, 27-NW
14627, U, 1910, 27-SW
23151, G, 1956, 53-SE
1255-80, W, Japan, 1980, 20-SE, 26-NE
263-82, Z, Korea, Republic of, 1982, 20-SE
446-58, G, 1958, 21-SW, 27-NW, 27-SW
536-81, W, Japan, 1981, 27-SE
538-71, U, 1971, 26-SE
- Fraxinus mandshurica*
1258-80, W, Korea, Republic of, 1980, 27-SE
1265-79, W, China, 1979, 14-SW, 20-NE,
20-NW, 20-SE, 51-NW
337-97, W, China, 1997, 27-NW, 33-NW
450-49, G, 1949, 27-NW
618-93, U, 1993, 27-NW
911-77, W, Korea, Republic of, 1977, 27-NW
- Fraxinus nigra*
405-88, W, Canada, 1988, 20-NE, 20-SE
- Fraxinus ornus*
415-84, W, Switzerland, 1984, 20-NE, 20-NW
416-84, W, Switzerland, 1984, 59-NW
620-74, U, 1974, 21-SW
676-90, W, Hungary, 1990, 14-SE
682-76, U, 1976, 21-NW
- Fraxinus pallisae*
817-32, W, Bulgaria, 1932, 27-NW
- Fraxinus pennsylvanica*
1422-83, W, United States, 1983, 20-NE
1468-83, W, Canada, 1983, 63-NW
186-82, W, Canada, 1982, 21-SW, 59-NW
312-90, W, Canada, 1990, 27-NW
- Fraxinus pennsylvanica* var. *subintegerrima*
198-59, U, 1959, 21-SW
27-36, U, 1936, 27-NW
683-84, W, United States, 1984, 56-SW
- Fraxinus pennsylvanica* var. *subintegerrima*
'Marshall's Seedless'
626-54, G, 1964, 27-NW
- Fraxinus pennsylvanica* var. *subintegerrima*
'Summit'
495-60, G, 1960, 26-NE
- Fraxinus pennsylvanica* var. *subintegerrima*
'Vinton'
617-60, G, 1960, 21-SE
- Fraxinus platypoda*
141-96, Z, China, 1996, 21-SW
441-80, W, China, 1980, 55-SW
- Fraxinus potamophila*
136-94, Z, Kyrgyzstan, 1994, 27-NW
- Fraxinus quadrangulata*
14654, W, United States, 1881, 27-NW
- Fraxinus sieboldiana*
353-2004, W, Korea, Republic of, 2004,
26-NE, 27-NW
537-81, W, Japan, 1981, 27-NW
538-81, W, Japan, 1981, 27-NW

- 539-81, W, Japan, 1981, 27-SE
- Fraxinus tomentosa*
 7033, W, United States, 1922, 27-SW
 23177, G, 1964, 27-SW
 306-86, Z, United States, 1986, 27-NW
 638-88, W, United States, 1988, 20-NE
 746-74, U, 1974, 33-NE
- Fraxinus velutina*
 532-74, U, 1974, 27-NE
- Gaylussacia baccata*
 19-79, W, United States, 1979, 37-SE
 876-93, W, Canada, 1993, LG-1D
 877-93, W, Canada, 1993, LG-1D
- Gaylussacia brachycera*
 332-2004, U, 2004, LG-1D
 411-2004, Z, United States, 2004, LG-1D
 651-69, W, United States, 1969, DGB
- Genista tinctoria*
 184-2001, W, Ukraine, 2001, LG-7G
 185-2001, W, Ukraine, 2001, LG-7G
 302-2005, W, Belgium, 2005, DGB
- Geranium maculatum* 'Album'
 326-95, G, 1995, 1-SE
- Ginkgo biloba*
 13414, G, 1899, 44-NE
 14670, W, Korea, Republic of, 1904, 39-SE
 16439, G, 1928, 39-SE, 40-SW
 18827, G, 1924, 39-SE
 20499, G, 1927, 39-SE, 40-SW
 23063, G, 1958, 44-NE
 1072-89, W, China, 1989, 39-SE, 62-NE,
 WH1-NE
 1073-89, W, China, 1989, 39-SE
 1113-89, W, China, 1989, 59-SW,
 WH1-NE
 1114-89, W, China, 1989, 58-SE, 59-SW,
 WH2-SW
 1115-89, W, China, 1989, 62-SW,
 WH1-NE
 1116-89, W, China, 1989, 58-SE, 62-NE
 1122-89, W, China, 1989, EG-3
- 1223-89, W, China, 1989, 39-SE
 205-93, G, Korea, Republic of, 1993, 58-SE,
 62-SE
 221-97, W, China, 1997, 40-SW
 222-97, W, China, 1997, 40-SW
 232-93, G, China, 1993, 58-SE, 62-NE
 25-92, U, 1992, 45-NW
 456-89, W, China, 1989, LARZ
 458-2008, W, China, 2008, 62-NE
 462-2002, W, China, 2002, 62-NE
 465-2002, W, China, 2002, 58-SE
 466-2002, W, China, 2002, 58-SE
 467-2002, W, China, 2002, 58-SE
 539-35, W, China, 1935, 44-NE
- Ginkgo biloba* 'Akebono'
 822-83, G, 1983, 32-SE, 3-SW
- Ginkgo biloba* 'Chi-Chi'
 671-77, U, 1977, LARZ
- Ginkgo biloba* 'Fastigiata'
 144-39, G, United States, 1939, 40-SW
- Ginkgo biloba* 'Hayanari'
 824-83, G, 1983, 3-SW
- Ginkgo biloba* 'Santa Cruz'
 1175-81, U, 1981, 40-SE
- Gleditsia aquatica*
 200-93, W, United States, 1993, 49-NE
 201-93, W, United States, 1993, 15-NW,
 21-NE, 26-NE
- Gleditsia caspica*
 272-72, U, 1972, 54-NW, 54-SW
 461-78, W, Iran, 1978, 53-NE
 88-77, U, 1977, 15-SE
- Gleditsia ferox*
 724-74, U, 1974, 49-SE
- Gleditsia japonica*
 13-38, G, 1938, 21-NE
 148-79, G, 1979, 53-SE
 1603-77, G, Korea, Republic of, 1977, 53-NE
 209-79, U, 1979, 54-NW

- 22-76, U, 1976, 54-NW
 291-94, U, 1994, 54-NW
 357-81, W, China, 1981, 54-SW
 84-74, G, 1964, 53-NE
- Gleditsia japonica* var. *koraiensis*
 226-96, G, Korea, Republic of, 1996, 53-NE
- Gleditsia macracantha*
 227-96, G, Korea, Republic of, 1996, 54-SW
- Gleditsia sinensis*
 491-93, W, China, 1993, 54-NW, 54-SW
 573-79, G, 1979, 54-SW
- Gleditsia triacanthos*
 13218, W, United States, 1922, 21-NE
 14681, G, 1905, 21-NE
 14681-1, G, 1923, 21-NE
 21588, U, 1929, 21-NE
 22514, U, 1881, 21-NE
 22907, G, 1950, 33-NE
 1237-79, W, United States, 1980, 49-SE,
 53-NE, 54-SW
 1589-51, G, 1951, 53-SE
 141-56, U, 156, 53-NE
 78-46, U, 1946, 21-NE
- Gleditsia triacanthos* 'Beatrice'
 357-55, G, 1955, 53-NE
- Gleditsia triacanthos* 'Calhoun'
 530-50, G, 1950, 58-NW
- Gleditsia triacanthos* 'Beatrice'
 357-55, G, 155, 53-NE
- Gleditsia triacanthos* 'Calhoun'
 530-50, G, 1950, 58-NW
- Gleditsia triacanthos* 'Emerald Kascade'
 128-2002, G, 2002, 53-NE
- Gleditsia triacanthos* 'Imperial'
 484-56, G, 1956, 53-NE
- Gleditsia triacanthos* 'Majestic'
 486-56, G, 1956, 53-NE
- Gleditsia triacanthos* 'Millwood'
 531-50, G, 1950, 57-NE
- Gleditsia triacanthos* 'Moraine'
 106-48, G, 1948, 21-NE, 34-SW
- Gleditsia triacanthos* 'Nana'
 19817, G, 1926, 21-NE
 139-56, G, 1956, 53-NE
- Gleditsia triacanthos* 'Park'
 557-61, G, 1961, 53-NE
- Gleditsia triacanthos* 'Shademaster'
 906-58, G, 1958, 53-NE
- Gleditsia triacanthos* 'Sieler'
 351-51, G, 1951, 21-NE
- Gleditsia triacanthos* 'Skyline'
 485-56, G, 1956, 53-NE
- Gleditsia triacanthos* 'Stephens'
 558-61, G, 1961, 53-NE
- Gleditsia triacanthos* 'Sunburst'
 543-54, G, 1954, 21-NE, 54-NW
- Gleditsia triacanthos* var. *inermis* 'Draves'
 116-2009, G, 2009, LG-PER-W
- Gleditsia vestita*
 326-96, U, 1996, 49-SE, 53-NE
- Grewia biloba*
 166-2000, Z, China, 2000, 7-NE
 373-86, W, Korea, Republic of, 1986, 4-NE
 386-86, W, Korea, Republic of, 1986, 4-SE
- Grewia biloba* var. *parviflora*
 925-85, W, Korea, Republic of, 1985, 4-NE
- Gymnocladus dioicus*
 324, U, 1873, 15-SE
 20644, G, 1928, 21-NE
 102-98, G, 1998, 54-SW
 1181-83, G, 1983, 15-SE
 137-87, W, United States, 1987, 15-NW

- 230-94, G, 1994, 44-NE, 54-SW
 440-67, W, United States, 1967, 15-SE
- Hakonechloa macra* var. *aureola*
 1034-89, U, 1989, DGB
- Halesia diptera*
 31-81, G, 1981, 24-NE
- Halesia diptera* var. *magniflora*
 389-96, W, United States, 1996, EG-6
 81-89, U, 1989, 18-NE, 19-NW
- Halesia tetraptera*
 925, U, 1878, 37-NW
 19630, W, United States, 1924, 19-NW
 1249-84, W, United States, 1984, 49-SE,
 62-NW
 6-66, G, 1966, 19-NW
 14-2000, W, United States, 2000, 15-SE
 250-36, G, 1936, 18-SE
 720-58, Z, United States, 1958, 13-SW
 959-37, G, 1937, 19-NW, 19-SW
 969-79, W, United States, 1979, 21-NE, 21-SE
- Halesia tetraptera* var. *monticola*
 21577, W, United States, 1923, 18-SE
 273-96, G, 1996, 21-SE, 3-SW
 274-96, G, 1996, 27-SE
 587-95, W, United States, 1995, 26-SE
 663-61, W, United States, 1961, 19-NW
- Halesia tetraptera* var. *monticola* 'Rosea'
 7307, G, 1907, 18-NE
 20228, G, 1919, 19-NW
- Hamamelis × intermedia*
 1173-28, G, 1928, 18-SE
 1201-66, G, 1966, 11-SW
 353-92, G, 1992, 22-SW
 835-59, G, 1959, 11-SW
 876-70, G, 1970, 15-NW
- Hamamelis × intermedia* 'Arnold Promise'
 195-2005, G, 2005, LG-2L
 380-94, G, 1994, 22-SW, 37-SE
 396-69, G, 1969, 3-NW
 803-83, G, 1983, 17-SW
- 852-66, G, 1966, 15-NW
 94-2000, G, 2000, 13-SW
 95-2000, G, 2000, 19-NW
- Hamamelis × intermedia* 'Diane'
 928-89, G, 1989, 62-NW
- Hamamelis × intermedia* 'Feuerzauber'
 198-78, G, 1978, 15-NE
- Hamamelis × intermedia* 'Hiltingbury'
 598-77, G, 1977, 26-NE
- Hamamelis × intermedia* 'Jelena'
 317-94, G, 1994, 1-SE
 462-65, G, 1965, 11-SW, 24-SE
- Hamamelis × intermedia* 'Moonlight'
 270-78, G, 1978, 15-NW
- Hamamelis × intermedia* 'Ruby Glow'
 464-65, G, 1965, 15-NW, 24-NE
- Hamamelis japonica*
 475-90, G, Japan, 1990, LG-2I
- Hamamelis japonica* f. *flavopurpurascens*
 10161, W, Japan, 1919, 24-NE
 621-79, Z, Japan, 1979, 8-NW
- Hamamelis mollis*
 5281, G, 1902, 24-NE
 215-2000, W, China, 2000, 8-SW
 273-29, G, 1929, 24-NE
 362-76, U, 1976, 21-SE, 32-NE
 697-94, W, China, 1994, 15-NE
 698-94, W, China, 1994, 11-SW
- Hamamelis mollis* 'Brevipetala'
 211-58, G, 1958, 24-NE
 245-65, G, 1965, 11-SW
 678-89, G, 1989, 15-NW
- Hamamelis mollis* 'Pallida'
 261-89, G, 1989, 22-SW

HAMAMELIDACEAE: Hamamelis. a-k, *H. vernalis*; l, *H. virginiana*



Hamamelis mollis 'Princeton Gold'
338-2002, G, 2001, LG-PER-E

Hamamelis ovalis
113-2009, Z, United States, 2009, LG-PER-E
114-2009, Z, United States, 2009, LG-PER-E
115-2009, Z, United States, 2009, 24-NE

Hamamelis vernalis
6099, U, 1908, 1-SE, 22-NW
336-89, W, United States, 1989, 15-NW

Hamamelis vernalis 'Carnea'
18886, U, 1908, 1-SE
900-80, U, 1980, 25-SW

Hamamelis vernalis f. *tomentella*
18885, U, 1908, 1-SE
902-80, U, 1980, 33-NE

Hamamelis vernalis 'Lombart's Weeping'
1110-67, G, 1967, 15-NW

Hamamelis vernalis 'Orange Glow'
489-63, G, 1963, 24-NE

Hamamelis vernalis 'Sandra'
302-80, G, 1980, 24-SE

Hamamelis virginiana
14693, W, United States, 1883, 21-NE, 32-SW
18314, U, 1925, 19-SW
22878, G, 1950, 13-SW, 24-NE, 31-NW,
43-NE
22947, G, 1951, 25-SW, 31-NE, 3-NW
2-2002, U, 2002, 32-SW
1195-84, W, United States, 1984, 15-NW
1308-68, G, 1968, 15-NW
1337-85, W, United States, 1985, 15-NW
151-85, W, Canada, 1985, 11-SW
164-88, W, United States, 1988, 11-SW
206-2006, G, 2006, LG-3M
294-97, G, 1997, 15-NW
493-2009, U, 2009, 25-SW
513-88, W, United States, 1988, 15-NW
526-2009, U, 2009, 11-SW
527-2009, U, 2009, 11-SW
938-37, G, 1937, 15-NW

Hamamelis virginiana 'Champlin'
368-2001, G, 2001, LG-PER-E

Hamamelis virginiana f. *rubescens*
527-92, W, United States, 1992, 22-SW

Hamamelis virginiana f. *rubescens*
'Mohonk Red'
121-96, W, United States, 1996, 15-NE,
25-NE, 25-NW

Hedera colchica
134-2003, W, Georgia, 2003, LG-7I
819-78, Z, Georgia, 1978, 26-SW

Hedera helix
133-2003, W, Georgia, 2003, LG-7H

Hedera helix 'Hibernica'
91-57, G, 1957, 1-SW

Hedera helix 'Rumania'
1073-56, Z, Romania, 1956, 26-NE
127-54, Z, Romania, 1954, 26-NE

Hedera helix 'Thorndale'
944-57, G, 1957, 26-NE

Helwingia japonica
912, U, 1880, EG-9

Hemerocallis dumortieri
334-97, W, China, 1997, 1-SW, 26-SE

Hemerocallis fulva var. *disticha*
628-69, G, Japan, 1969, 5-NW

Hemiptelea davidii
14698, W, Korea, Republic of, 1904, 14-NW
1047-52, Z, Korea, Republic of, 1952, 21-SW
226-2005, W, China, 2005, 20-SE
382-91, Z, Korea, Republic of, 1991, 14-SW
387-92, Z, Korea, Republic of, 1992, 14-NE
393-92, Z, Korea, Republic of, 1992, 14-NE

Heptacodium miconioides
1549-80, G, China, 1980, 13-SW, DGB

- 171-2005, G, 2005, LG-1D
 181-96, G, 1996, 13-SW, EG-14
 365-2001, G, 2001, LG-7E
 425-91, G, China, 1991, EG-14
- Hibiscus moscheutos* ssp. *palustris*
 1475-83, W, Canada, 1983,
 BR-DAWSON-POND
 1724-81, W, Canada, 1981,
 BR-DAWSON-POND
 521-92, W, United States, 1992,
 BR-DAWSON-POND
- Hibiscus syriacus*
 1142-81, Z, Korea, Republic of, 1981, 19-SE
 341-53, W, Korea, Republic of, 1953, 27-SE
- Hosta montana* 'Aurea Marginata'
 1035-89, G, 1989, DGB
- Hovenia dulcis*
 19571, U, 1924, 18-SE
 1612-77, W, Korea, Republic of, 1977, 34-SW
 87-33, U, 1933, 24-NE
- Humulus lupulus*
 171-2008, W, Germany, 2008, LG-5
- Humulus lupulus* 'Aurea'
 281-2007, G, 2007, LG-9B.7
- Humulus lupulus* 'Brewer's Gold'
 242-2009, G, 2009, WH2-SW-T.7
- Humulus lupulus* 'Canadian Red Vine'
 340-2009, G, 2009, LG-5, WH1-SE-T.1
- Humulus lupulus* 'Cascade'
 433-2008, G, 2008, LG-10B.2
- Humulus lupulus* 'Columbia'
 334-2009, G, WH1-SE-T.2, WH1-SE-T.10
- Humulus lupulus* 'Hallertauer Tradition'
 339-2009, G, 2009, WH1-SE-T.4
- Humulus lupulus* 'Northern Brewer'
 243-2009, G, 2009, LG-5 WH1-SE-T.16
- Humulus lupulus* 'Nugget'
 434-2008, G, 2008, WH1-SE-T.3
- Humulus lupulus* 'Shinsuwase'
 335-2009, G, 2009, LG-5, WH2-SW-T.9
- Humulus lupulus* 'Swiss Tettnanger'
 336-2009, G, 2009, WH1-SE-T.5,
 WH2-SW-T.8
- Hydrangea anomala*
 18269, U, 1923, 1-SW
- Hydrangea anomala* ssp. *petiolaris*
 10-98, W, Japan, 1998, LG-5
 204-90, W, Japan, 1990, 3-NW
 360-2007, Z, Japan, 2007, 47-SW, DGB
- Hydrangea anomala* ssp. *petiolaris*
 'Skylands Giant'
 181-2006, G, 2006, 3-NW
- Hydrangea arborescens*
 415-2002, W, United States, 2002, LG-3M
 589-95, W, United States, 1995, 19-SW
 930-81, U, 1981, 15-NE
- Hydrangea arborescens* 'Dardom'
 288-2003, G, 2003, LG-3M
- Hydrangea arborescens* ssp. *arborescens*
 120-85, W, United States, 1985, 15-NE
- Hydrangea arborescens* ssp. *discolor*
 80-2001, W, United States, 2001, 15-NE
- Hydrangea aspera*
 594-97, W, China, 1997, EG-7
- Hydrangea bretschneideri*
 131-96, W, China, 1996, LG-3E
 495-2002, W, China, 2002, LG-3I
- Hydrangea heteromalla*
 16-99, W, China, 1999, 15-NE
 173-76, U, 1976, 15-SE
 532-84, Z, China, 1984, 15-NE
 662-90, Z, China, 1990, EG-7

<i>Hydrangea macrophylla</i> 'Claudie' 179-2006, G, 2006, LG-3A	1206-89, W, United States, 1989, 3-NW 1396-85, W, United States, 1985, 15-NE 277-96, G, 1996, 26-SE, 26-SW
<i>Hydrangea macrophylla</i> ssp. <i>serrata</i> 1109-82, U, 1982, 15-NE	<i>Hydrangea quercifolia</i> 'Pee Wee' 193-2005, G, 2005, LG-3M
<i>Hydrangea macrophylla</i> ssp. <i>serrata</i> 'Blue Billow' 389-2001, G, 2001, LG-3M	<i>Hydrangea quercifolia</i> 'Snow Queen' 184-96, G, 1996, 15-NW 318-94, G, 1994, 1-SE, 3-NE 592-93, G, 1993, 15-NW
<i>Hydrangea macrophylla</i> ssp. <i>serrata</i> 'Rosalba' 2003-65, G, 1965, 31-NE	<i>Hydrangea radiata</i> 116-2008, W, United States, 2008, LG-PER-N 416-76, W, United States, 1976, 15-SE
<i>Hydrangea macrophylla</i> ssp. <i>serrata</i> 'Tokyo Delight' 1136-84, G, 1984, 15-NE 380-69, G, 1969, 19-NW	<i>Hydrangea sikokiana</i> 40-98, W, Japan, 1998, EG-8
<i>Hydrangea paniculata</i> 23250, G, 1969, 42-NW 111-2001, W, Japan, 2001, 15-NE, LG-3L 274-84, W, Japan, 1984, 44-SE 31-77, U, 1977, 32-SE, 32-SW 540-81, W, Japan, 1981, BR-16-NW 575-84, W, China, 1984, 15-NE, 52-NW 912-86, W, Japan, 1986, 15-NE 94-92, W, Japan, 1992, 15-NE	<i>Hypericum</i> sp. 279-2004, Z, United States, 2004, LG-7D
<i>Hydrangea paniculata</i> 'Bulk' 180-2006, G, 2006, LG-8E	<i>Hypericum buckleyi</i> 22-2000, W, United States, 2000, LG-8I
<i>Hydrangea paniculata</i> 'Grandiflora' 1110-83, G, 1983, 15-NE	<i>Hypericum frondosum</i> 13-2012, Z, United States, 2012, DGB 492-2010, W, United States, 2012, DGB
<i>Hydrangea paniculata</i> 'Praecox' 14714, W, Japan, 1892, BR-22-NE 14714-1, Z, Japan, 1905, BR-22-NE 397-83, Z, Japan, 1983, 15-NE 412-92, Z, Japan, 1992, EG-26-SE 990-80, Z, Japan, 1980, 15-NE	<i>Hypericum frondosum</i> 'Sunburst' 250-2003, G, 2003, LG-8G
<i>Hydrangea paniculata</i> 'Tardiva' 1172-83, G, 1983, 15-NE 989-78, G, 1978, 15-NE	<i>Hypericum kalmianum</i> 'Ames' 319-2001, G, 2001, LG-8D
<i>Hydrangea quercifolia</i> 104-2007, W, United States, 2007, 15-NE, 38-SW, LG-3M	<i>Hypericum 'Hidcote'</i> 166-2007, G, 2007, LG-8D
	<i>Ilex</i> sp. 1225-79, W, United States, 1980, 22-SW
	<i>Ilex</i> 'Howard Dorsett' 295-69, G, 1969, 24-SE
	<i>Ilex</i> 'Lydia Morris' 1172-60, G, 1960, 24-NE 731-69, G, 1969, 4-NE, 4-SE

- Ilex amelanchier*
258-79, G, 1979, 8-SE
- Ilex aquifolium*
110-67, G, 1967, 18-SE
1265-73, G, 1973, 11-NW, 2-SE, 4-NE
1266-73, G, 1973, 4-NE
165-91, Z, Morocco, 1991, 25-NW
278-82, W, Republic of Montenegro, 1982,
2-SE, 57-SE
654-2007, Z, Morocco, 2007, 25-SW
848-75, Z, Germany, 1975, 57-NW
977-71, W, Germany, 1971, 2-SE
- Ilex × aquipernyi*
1446-71, G, 1971, 24-SE
1544-63, G, 1963, 18-SE
- Ilex × aquipernyi 'San Jose'*
1816-81, G, 1981, 52-NE
262-2002, G, 2002, LG-PER-S
431-68, G, 1968, 4-SE
- Ilex bioritsensis*
1742-66, G, 1966, 24-SE
357-74, G, 1974, 24-SE
- Ilex ciliostinosa*
1-70, G, 1970, 11-NW
1011-54, G, 1954, 11-NW
224-50, G, 1950, 18-SE
- Ilex ciliostinosa × (aquifolium × pernyi)*
'September Gem'
58-73, G, 1973, 11-NW
- Ilex collina*
1039-86, W, United States, 1986, 8-SW
1042-86, W, United States, 1986, 26-NE
1045-86, W, United States, 1986, 8-SW,
LG-2E
1049-86, W, United States, 1986, 11-NW
1050-86, W, United States, 1986, 11-NW
1061-87, W, United States, 1987, LG-8F
1062-87, W, United States, 1987, 8-SW
1063-87, W, United States, 1987, 26-NE
1072-86, W, United States, 1986, 11-NW
1073-86, W, United States, 1986, 11-NW,
- 8-SW, LG-8F
1074-86, W, United States, 1986, 11-NW
1075-86, W, United States, 1986, 11-NW
1089-86, W, United States, 1986, 11-NW
1366-78, G, 1978, 11-NW
- Ilex coriacea*
1330-85, W, United States, 1985, 18-NE
- Ilex crenata*
1126-88, W, Korea, Republic of, 1988, 19-NW
1127-88, W, Korea, Republic of, 1988, 19-NW
667-53, G, 1953, 18-SE
- Ilex crenata × yunnanensis*
1021-76, G, 1976, EG-9
- Ilex crenata 'Convexa'*
20069, W, Japan, 1919, 18-SE
1547-83, Z, Japan, 1983, 62-NW, 62-SW
283-74, G, 1974, 26-NW
- Ilex crenata 'Dwarf Pagoda'*
671-75, G, 1975, LG-PER-S
- Ilex crenata f. watanabeana*
1182-60, U, 1960, 24-NE
- Ilex crenata 'Glass'*
52-50, G, 1950, 24-NE, 24-SE
- Ilex crenata 'Glory'*
368-2002, G, 2002, LG-2F, LG-8D
- Ilex crenata 'Green Dragon'*
323-74, G, 1974, LG-PER-S
- Ilex crenata 'Helleri'*
418-2002, G, 2002, LG-6C
- Ilex crenata 'Ivory Hall'*
311-76, G, 1976, 31-NE
- Ilex crenata 'Schwoebel's Compact'*
371-2002, G, 2002, LG-3M
- Ilex crenata var. paludosa*
4-2003, Z, Japan, 2003, 24-NE

543-81, W, Japan, 1981, 2-SE, 52-NE

Ilex decidua

151, G, 1878, 10-SE
1056-57, U, 1957, 10-SE
1242-79, W, United States, 1980, 10-SE
125-69, W, United States, 1969, 10-SE
127-69, W, United States, 1969, 14-NE
1285-28, G, 1928, 18-SE
128-69, W, United States, 1969, 10-SE
130-69, W, United States, 1969, 10-SE
545-60, G, 1960, 10-SE
641-28, W, United States, 1928, 18-SE
745-65, G, 1965, 10-SE

Ilex fargesii ssp. *fargesii*

1830-80, W, China, 1980, 19-NW
1918-80, W, China, 1980, 18-SE, EG-9
1978-80, W, China, 1980, EG-9

Ilex glabra

1029-84, W, United States, 1984, DGB
150-2, G, 1903, 36-SE
652-70, G, 1970, 3-SW
699-77, G, 1977, 11-NW
851-59, G, 1959, 41-NE
929-88, W, Canada, 1988, 3-NE

Ilex glabra 'Compacta'

1051-70, G, 1970, 1-SE, 3-NE
745-69, G, 1969, 3-NE

Ilex glabra f. *leucocarpa*

1489-82, Z, United States, 1982, 39-SE
323-61, Z, United States, 1961, 41-NE

Ilex glabra 'Nigra'

1464-82, U, 1982, DGB

Ilex glabra 'Peggy's Cove'

3-2002, Z, Canada, 2002, 5-SW, DGB
500-2007, Z, Canada, 2007, LG-3H

Ilex glabra 'Viridis'

1488-82, G, 1982, DGB

Ilex longipes

15728, W, United States, 1916, 11-NW

Ilex macropoda

984-89, W, Japan, 1989, 19-NW

Ilex maximowicziana

168-97, G, 1997, 25-NW, LG-PER-S
778-65, G, 1965, 24-SE
995-78, G, 1978, 18-SE

Ilex × meserveae 'Blue Girl'

568-73, G, 1971, 18-SE

Ilex × meserveae 'Blue Prince'

603-73, G, 1973, 18-SE, 4-SE

Ilex montana

14740, U, 1908, 10-SE

Ilex opaca

14741, G, 1910, 41-NE
22683, G, 1941, 41-NE
219-97, W, United States, 1997, LG-PER-W
558-39, G, 1939, 36-NW
667-64, U, 1964, 24-SE
668-64, Z, United States, 1964, 31-NE
707-49, G, 1948, LG-PER-S
812-33, G, 1933, 41-NW

Ilex opaca 'Albert Pride'

811-67, G, 1967, 31-NE

Ilex opaca 'Barberry'

1415-63, G, 1963, 25-SW
312-62, G, 1962, LG-PER-S

Ilex opaca 'Carol'

302-62, G, 1962, LG-PER-S

Ilex opaca 'Dias No. 1'

1414-63, G, 1963, 24-SE

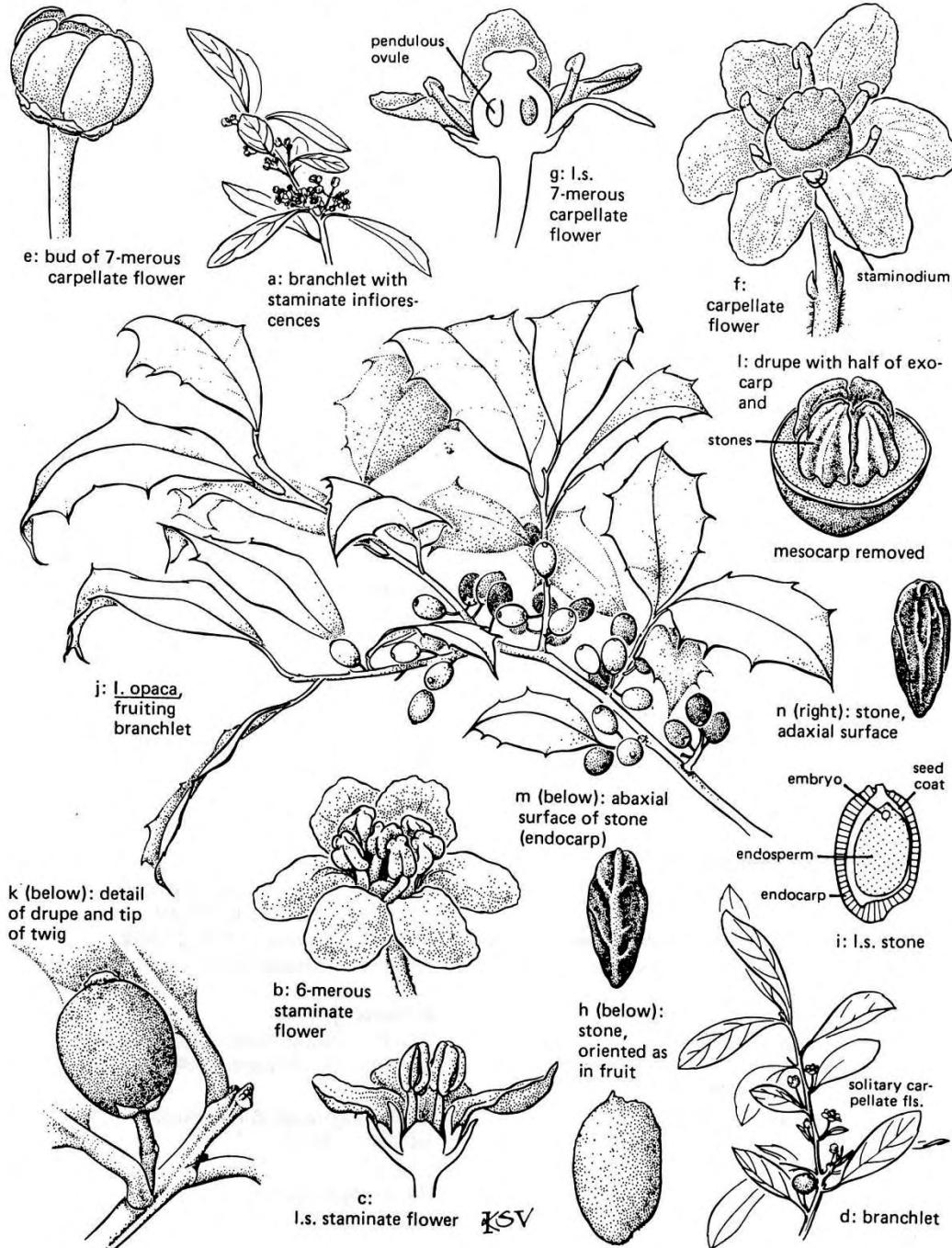
Ilex opaca 'Emily'

301-62, G, 1962, LG-PER-S
929-67, G, 1967, 24-SE

Ilex opaca 'Freeman'

1410-63, G, 1963, 24-SE

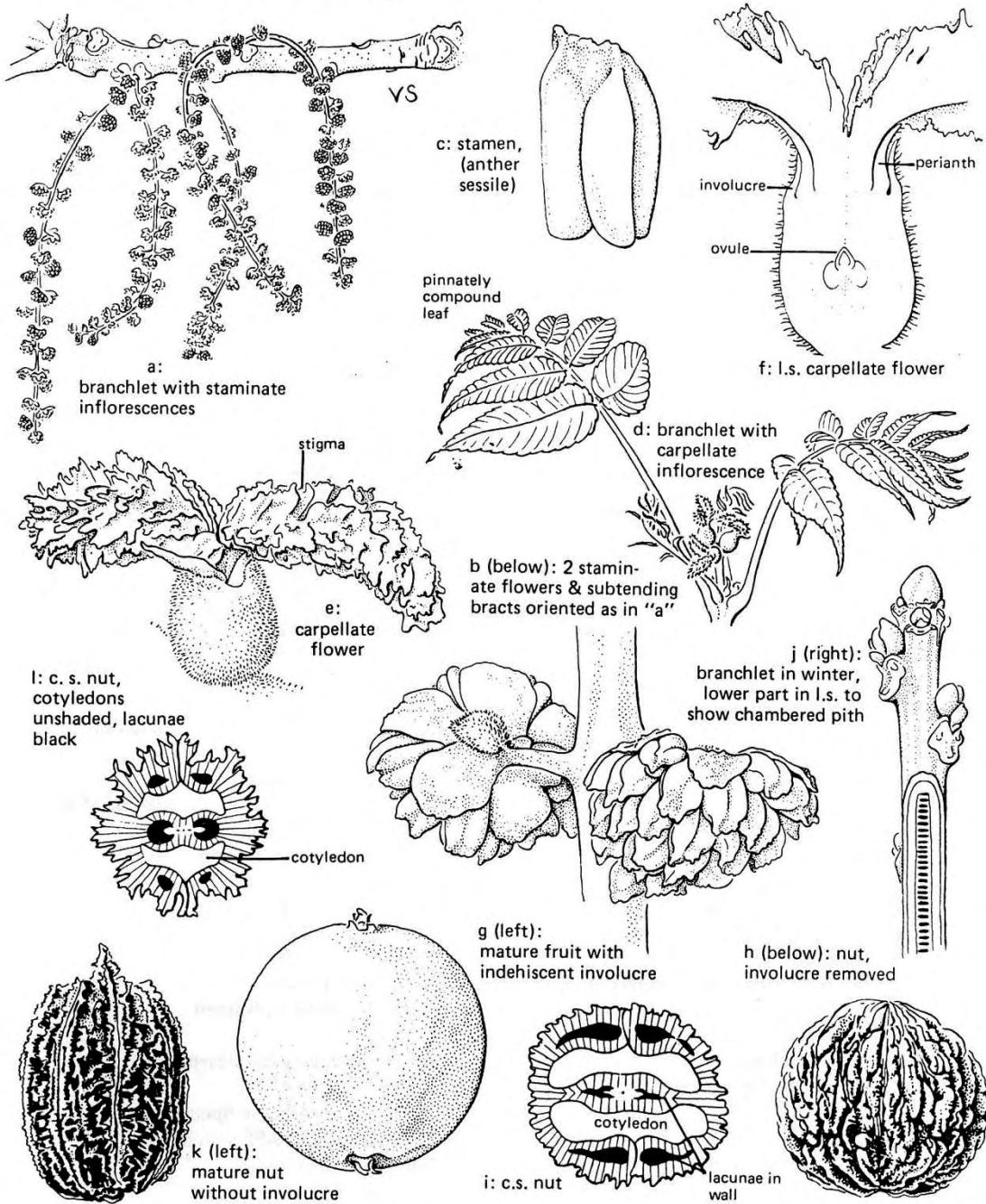
AQUIFOLIACEAE: *Ilex*. a-i, *I. glabra*; j-n, *I. opaca*



<i>Ilex opaca</i> 'Gee'	882-52, G, 1952, 24-NE
1109-71, G, 1971, 24-SE	969-49, G, 1949, 24-SE, 3-NE
<i>Ilex opaca</i> 'Goldie'	<i>Ilex pernyi</i>
1408-63, G, 1963, LG-PER-S	596-74, U, 1974, 2-SE
<i>Ilex opaca</i> 'Laura Thomas'	<i>Ilex rugosa</i>
1413-63, G, 1963, 24-SE	10-2002, G, 2002, LG-2I
<i>Ilex opaca</i> 'Miss Butler'	1270-88, G, 1988, DGB
1080-72, G, 1972, 31-NE	134-99, G, 1999, LG-8H
46-65, G, 1965, 31-NE	184-89, U, 1989, DGB
<i>Ilex opaca</i> 'Nelson West'	402-2002, G, 2002, LG-2L
502-68, G, 1968, 24-SE	967-87, G, 1987, 19-NW
<i>Ilex opaca</i> 'Robin Tree'	<i>Ilex rugosa</i> × <i>cornuta</i> 'Mesdob'
314-62, G, 1962, LG-PER-S	341-2002, G, 2002, LG-3E, LG-PER-S
<i>Ilex opaca</i> 'Santa Claus'	<i>Ilex rugosa</i> × <i>cornuta</i> 'Mesog'
679-70, G, 1970, 24-SE	342-2002, G, 2002, LG-PER-S
<i>Ilex opaca</i> 'St. Ann'	<i>Ilex serrata</i>
1007-54, G, 1954, 31-NE	14748, G, 1912, 18-SE
<i>Ilex opaca</i> 'St. Mary'	1591-77, W, Japan, 1977, 11-SW
320-62, G, 1962, LG-PER-S	1646-77, W, Japan, 1977, 11-SW, LG-PER-S
886-67, G, 1967, LG-PER-S	270-2008, W, Japan, 2008,
936-67, G, 1967, 24-SE	BR-DAWSON-POND
<i>Ilex opaca</i> 'Stumphouse'	426-77, G, 1977, 11-NW
758-54, G, 1954, 31-NE	486-90, G, Japan, 1990, LG-PER-S
<i>Ilex opaca</i> 'Vera'	986-89, W, Japan, 1989, 19-NW
1313-63, G, 1963, LG-PER-S	<i>Ilex</i> (<i>serrata</i> × <i>verticillata</i>) 'Apollo'
<i>Ilex opaca</i> 'Yule'	214-75, G, 1975, 38-SW
677-70, G, 1970, 25-SW	<i>Ilex</i> (<i>serrata</i> × <i>verticillata</i>) 'Sparkleberry'
<i>Ilex pedunculosa</i>	1463-82, G, 1982, 39-SE
14743, G, 1898, 24-NE	169-73, G, 1973, 3-SE
1568-77, G, 1977, EG-8	213-75, G, 1975, 38-SW
280-82, W, Japan, 1982, EG-8	<i>Ilex shennongjiaensis</i>
281-82, W, Japan, 1982, EG-8	395-2001, Z, China, 2001, 24-SE, EG-15
287-2007, G, 2007, 5-NW, 5-SW	397-2001, Z, China, 2001, 14-NW, 32-SE
412-2004, G, 2004, 24-SE	<i>Ilex verticillata</i>
784-54, G, 1954, 24-SE, 3-NE	147, W, United States, 1872, 10-SE, 18-SE
787-34, G, 1934, 1-SE	12157, W, United States, 1919, 10-SE
	14749, W, United States, 1876, 37-SW
	20642, G, 1928, 10-SE
	22879, G, 1950, 11-NW, 1-SE, 26-NW, 3-NE,

- 4-SE
 1297-80, W, United States, 1980, 51-NW
 1424-83, W, United States, 1983, 34-NE
 223-81, W, United States, 1981, LG-PER-S
 298-85, W, United States, 1985, 36-SE
 362-79, W, United States, 1979, 8-NE, 8-SE
 374-73, G, 1973, 1-SE
 743-63, U, 1963, 11-SW, 31-SE
 897-52, G, 1952, 10-SE
- Ilex verticillata* 'Afterglow'
 120-98, G, 1998, 3-NE
- Ilex verticillata* f. *aurantiaca*
 22755, G, 1928, 10-SE
 721-53, G, 1953, 10-SE
- Ilex verticillata* f. *chrysocarpa*
 1205-57, U, 1957, 11-NW
 650-58, U, 1958, 10-SE
 659-62, U, 1962, 37-SW
- Ilex verticillata* 'Polycarpa'
 443-38, G, 1938, 10-SE
- Ilex verticillata* 'Red Sprite'
 274-2003, G, 2003, LG-3I
- Ilex verticillata* 'Southern Gentleman'
 129-98, G, 1998, 3-NE
 281-2002, G, 2002, LG-PER-S
- Ilex verticillata* 'Sunsplash'
 411-2002, G, 2002, LG-3I
- Ilex verticillata* 'Winter Red'
 227-2002, G, 2002, LG-PER-S
 328-79, G, 1979, 3-NE
- Indigofera decora* 'Rosea'
 509-85, G, 1985, 27-SE
- Indigofera kirilowii*
 251-2004, Z, Korea, Republic of, 2004, LG-3A
 486-2003, G, 2003, LG-3A
- Indigofera pseudotinctoria* 'Rose Carpet'
 409-2004, G, 2004, LG-2L
- Indocalamus tessellatus*
 1354-83, U, 1983, EG-6
- Itea virginica*
 198-2006, G, 2006, LG-7C
- Itea virginica* 'Henry's Garnet'
 771-75, Z, United States, 1975, 18-SE
- Itea virginica* 'Longspire'
 739-93, U, 1993, EG-9
- Itea virginica* 'Morton'
 183-2006, G, 2006, LG-7D
- Itea virginica* 'Saturnalia'
 167-2003, G, 2003, LG-8B
 218-2006, G, 2006, LG-7D
- Itea virginica* 'Sprich'
 254-2003, G, 2003, LG-7B
- Jasminum nudiflorum*
 603-81, U, 1981, EG-9
 654-2003, U, 2003, LG-7B
- Jeffersonia diphylla*
 490-95, G, 1995, 3-NE
- Juglans ailantifolia*
 14779, G, 1892, 25-NE
 235-2008, W, Japan, 2008, 19-NE
 391-2008, W, Japan, 2008, 19-SW
- Juglans × bixbyi*
 617-61, U, 1961, 19-SE
- Juglans cathayensis*
 250-98, W, Taiwan, 1998, 19-SW, 25-NW
 76-97, W, China, 1997, 19-SE
 807-52, U, 1952, 19-SE
- Juglans cinerea*
 1287-80, W, United States, 1980, 25-NW
 294-98, W, United States, 1998, 19-SE, 25-NE

JUGLANDACEAE: *Juglans*. a-j, *J. nigra*; k, l, *J. cinerea*



<i>Juglans major</i>	1017-38, G, 1938, 36-NE
10968, U, 1919, 19-SE	265-33, U, 1933, 36-NE
107-92, W, United States, 1992, 19-SE	609-38, G, 1938, 36-NE
1428-81, W, United States, 1981, 50-NE	690-36, G, 1936, 36-NE
14766-2, G, 1913, 19-SE	
<i>Juglans mandshurica</i>	<i>Juniperus chinensis 'Blaauw'</i>
487-97, W, China, 1997, 19-SE, 25-NW	4-2000, G, 2000, 36-NE
	418-58, G, 1958, 36-SE
<i>Juglans microcarpa</i>	<i>Juniperus chinensis 'Columnaris'</i>
10546, U, 1919, 19-SE	23-55, G, 1955, 36-NE, 36-SE, DGB
10574, U, United States, 1920, 19-SE	
<i>Juglans nigra</i>	<i>Juniperus chinensis 'Excelsior'</i>
1181, G, 1874, 19-NW, 19-SW	41-43, G, 1943, 36-NE
14761, G, 1893, 19-NW	
22880, G, 1950, 13-NW	<i>Juniperus chinensis 'Globosa'</i>
14760-1, G, 1906, 19-SW	374-62, G, 1962, 36-SE
<i>Juglans nigra 'Lacinata'</i>	<i>Juniperus chinensis 'Iowa'</i>
110-51, G, 1951, 19-NE	2-2000, G, 2000, 36-NE
299-50, G, 1950, 19-NW	15-49, G, 1949, 36-SE
85-98, G, 1998, 19-SW	
<i>Juglans regia</i>	<i>Juniperus chinensis 'Japonica'</i>
14767, G, China, 1907, 19-SE	926-52, G, 1952, 36-NE
1372-63, G, 1963, 25-NE	
278-70, G, 1970, 19-NE	<i>Juniperus chinensis 'Mas'</i>
421-62, G, China, 1962, 19-SE	11249, G, 1919, 36-NE
692-52, G, 1952, 19-NE	1141-79, G, 1979, 36-NE
<i>Juniperus sp.</i>	<i>Juniperus chinensis 'Obelisk'</i>
630-95, Z, Nepal, 1995, 36-NE	431-97, G, 1997, 36-NE
819-94, Z, Nepal, 1994, 36-NE	878-62, G, 1962, 37-NW
<i>Juniperus 'Grey Owl'</i>	<i>Juniperus chinensis 'Olympia'</i>
1136-61, G, 1961, 37-NW	1014-64, G, 1964, 36-SE
<i>Juniperus ashei</i>	<i>Juniperus chinensis 'Pfitzer Matthews Blue'</i>
276-86, W, United States, 1986, 36-NE	1-51, G, 1951, 36-NE
616-95, Z, United States, 1995, 36-SE	
889-88, W, United States, 1988, 37-NW	<i>Juniperus chinensis 'Plumosa Aurea'</i>
	219-61, G, 1961, 36-SE
<i>Juniperus chinensis</i>	974-69, G, 1969, 36-NE
7477, W, Korea, Republic of, 1905, 36-NE	
9068, G, 1919, 36-NE	<i>Juniperus chinensis 'Pyramidalis Nana'</i>
14809, G, 1908, 36-NE	235-49, G, 1949, 37-NW
14811, G, 1903, 37-NW	

- Juniperus chinensis* 'San Jose'
879-62, G, 1962, 36-SE
- Juniperus chinensis* 'Veroides'
794-38, G, 1938, 37-NW
- Juniperus chinensis* 'Watereri'
10935, G, 1919, 36-NE
- Juniperus communis*
1434-80, W, Russian Federation, 1980, 36-NE
168-99, Z, Norway, 1999, 36-NE
181-99, Z, Norway, 1999, 36-NE
221-78, W, Norway, 1978, 36-NE
50-77, Z, China, 1977, 36-NE
824-94, Z, China, 1994, 36-SE
- Juniperus communis* 'Ashfordii'
872-87, U, 1987, 37-NW
- Juniperus communis* 'Berkshire'
16-2002, U, 2002, DGB
- Juniperus communis* 'Bruns'
1374-64, G, 1964, 36-SE
- Juniperus communis* 'Candelabrumis'
827-94, G, 1994, 56-NW
- Juniperus communis* f. *oblonga*
519-64, G, 1964, 36-NE
- Juniperus communis* 'Laxa'
49-66, G, 1966, 36-NE
82-95, G, 1995, 59-NE
- Juniperus communis* 'Oblonga Pendula'
4176-1, U, 1907, 36-NE
4176-2, U, 1924, 36-NE
- Juniperus communis* 'Pendula'
14838, G, 1885, 36-NE
- Juniperus communis* var. *depressa*
1466-83, W, Canada, 1983, 52-NE
1471-82, U, 1982, 36-NE, 39-NE
180-99, Z, Canada, 1999, 36-NE
- Juniperus excelsa*
17-2003, W, Iran, 2003, 36-NE
- Juniperus formosana*
14857, W, China, 1908, 36-NE
280-98, W, Taiwan, 1998, 32-NE
- Juniperus horizontalis*
1164-56, U, 1956, 31-NE
- Juniperus × media* 'Armstrongii'
404-53, G, 1953, 36-SE
- Juniperus × media* 'Fruitland'
118-67, G, 1967, 37-SW
- Juniperus × media* 'Mint Julep'
1675-66, G, 1966, 36-SE
- Juniperus × media* 'Old Gold'
183-62, G, 1962, 36-NE
- Juniperus × media* 'Ozark Compact'
284-63, G, 1963, 37-NW
- Juniperus × media* 'Pfitzeriana'
14830, G, 1911, 36-NE
14834, G, 1900, 37-NW
- Juniperus × media* 'Pfitzeriana Argentea'
74-42, G, 1942, 36-NE, 37-NW
- Juniperus × media* 'Pfitzeriana Aurea'
672-38, G, 1938, 36-NE
- Juniperus × media* 'Pfitzeriana Hetzii'
817-67, G, 1967, 36-SE, 37-SW
- Juniperus × media* 'Pfitzeriana Hugh's'
315-58, G, 1958, 36-SE
- Juniperus × media* 'Richeson'
639-48, G, 1948, 36-NE
- Juniperus occidentalis*
265-2002, W, United States, 2002, 37-NW,
37-SW
587-2003, W, United States, 37-SW

<i>Juniperus pinchotii</i>	14890, G, 1910, 37-NW
642-88, W, United States, 1988, 36-NE	23251, G, 1969, 31-SW
<i>Juniperus procumbens</i>	11-2002, W, United States, 2002, 36-NE,
762-86, U, 1986, LARZ	37-NW
<i>Juniperus procumbens</i> 'Nana'	109-2006, W, United States, 2006, 36-SE
139-2002, G, 2002, LG-3B	128-2011, U, 2011, 38-NW
<i>Juniperus rigida</i>	1229-79, W, United States, 1980, 37-NW
14866, W, Japan, 1892, 36-NE	1746-81, Z, United States, 1981, 37-NW
172-99, Z, Japan, 1999, 27-NE	
550-53, W, Japan, 1953, 36-NE, 36-SE	
981-87, Z, Japan, 1987, 36-NE	
<i>Juniperus sabina</i>	<i>Juniperus virginiana</i> 'Burkii'
14868, W, Uzbekistan, 1904, 36-NE	51-54, G, 1954, 31-SE
<i>Juniperus sabina</i> 'Cupressifolia'	<i>Juniperus virginiana</i> 'Cinerascens'
857-65, G, 1965, 36-NE	4714, G, 1901, 37-NW
<i>Juniperus sabina</i> 'Fastigiata'	<i>Juniperus virginiana</i> 'Cupressifolia'
995-71, G, 1971, WH4-SW	389-61, G, 1961, 37-NW
<i>Juniperus sargentii</i>	<i>Juniperus virginiana</i> 'Deforest Green'
23069, G, 1954, 41-NE	417-56, G, 1956, 36-NE
<i>Juniperus sargentii</i> 'Glauca'	<i>Juniperus virginiana</i> 'Elegantissima'
575-49, G, 1949, 36-SE	4981, G, 1901, 37-NW
<i>Juniperus scopulorum</i> 'Moonlight'	14878, G, 1910, 36-NE
211-57, G, 1957, 36-NE	<i>Juniperus virginiana</i> 'Fastigiata'
<i>Juniperus scopulorum</i> 'Silver Glow'	18252, G, 1925, 37-NW
917-60, G, 1960, 36-NE	826-94, G, 1994, 55-SE
<i>Juniperus squamata</i> 'Meyeri'	<i>Juniperus virginiana</i> 'Glauca'
10316, U, 1919, 36-NE	14880, G, 1901, 36-NE
20-89, U, 1989, LG-PER-S	14882, G, 1903, 36-NE
249-42, U, 1942, 36-NE	<i>Juniperus virginiana</i> 'Hillii'
<i>Juniperus squamata</i> 'Wilsonii'	1182-89, G, 1989, 36-NE
1010-64, U, 1964, 37-NW	<i>Juniperus virginiana</i> 'Kosteri'
<i>Juniperus virginiana</i>	14884, G, 1916, 36-NE
10772, G, 1921, 36-NE	<i>Juniperus virginiana</i> 'Nevin's Blue'
14886, G, 1903, 37-NW	390-43, G, 1943, 36-NE
14887, G, 1903, 36-NE	<i>Juniperus virginiana</i> 'Pendula'
	11376, G, 1918, 36-NE
	<i>Juniperus virginiana</i> 'Pyramidalis'
	20967, G, 1929, 37-NW

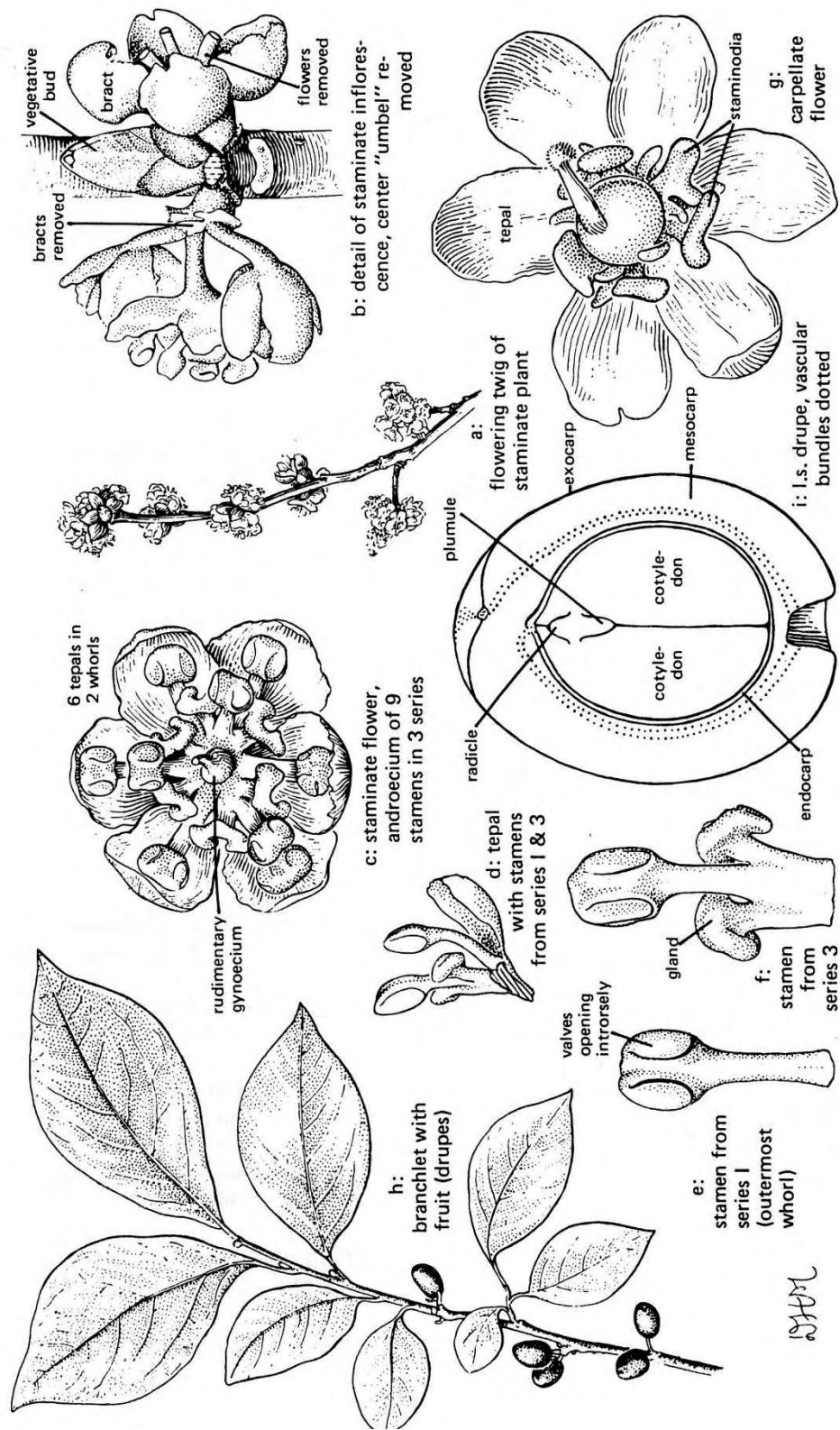
- Juniperus virginiana* 'Reptans'
13527, U, 1913, 36-NE
- Juniperus virginiana* 'Schottii'
14893, G, 1901, 36-NE
- Juniperus virginiana* 'Tripartita'
1745-81, G, 1981, 36-NE
38-82, G, 1982, 39-NE
- Kalmia buxifolia*
105-2007, W, United States, 2007, 8-NW
- Kalmia latifolia*
20943, G, 1929, 38-NE
21292, G, 1930, 38-NE
1079-72, U, 1972, 41-NE
1129-74, G, 1974, 36-SE
128-96, G, 1996, 26-SE
132-98, Z, United States, 1998, 26-SE
150-58, G, 1958, 41-NW
232-46, G, 1946, 41-NW
35-40, W, United States, 1940, 41-NW
39-60, G, 1960, 41-NE
425-74, G, 1974, 36-SE
440-66, G, 1966, 41-NW
46-18, G, 1918, 41-NW
572-64, G, 1964, 37-SW
667-66, G, 1966, 41-NE
673-69, G, 1969, 36-SE
680-56, G, 1956, 42-NW
685-70, G, 1970, 1-SE, 1-SW, 41-NE
721-79, G, 1979, 26-SE
728-56, G, 1956, 41-NE
817-54, G, 1954, 42-NW
- Kalmia latifolia* f. *rubra*
728-54, G, 1954, 41-NE, 41-NW, 41-NE
- Kalmia latifolia* 'Fuscata'
166-70, G, 1970, 36-SE
761-39, G, 1939, 40-NE
- Kalmia latifolia* 'Polypetala'
2458, U, 1885, 41-NE, 41-NW, 42-NW
1126-68, U, 1968, 41-NW
- Kalmia latifolia* 'Red Bud'
631-75, G, 1975, 22-NE
- Kalmia latifolia* 'Silver Dollar'
1128-74, G, 1974, 41-NE
- Kalmia latifolia* 'Twenty'
802-78, G, 1978, 41-NE
- Kalopanax septemlobus*
12453, W, Japan, 1892, 53-SE
841-81, G, 1981, 22-NW
- Kerria japonica*
236-2008, W, Japan, 2008, 3-NE, 17-SW
237-2008, W, Japan, 2008, 17-SW,
WH2-SW
409-2007, W, Japan, 2007, EG-14
- Kerria japonica* 'Golden Guinea'
430-2002, G, 2002, LG-7F
- Koelreuteria paniculata*
13-2007, W, Korea, Republic of, 2007, 11-SW
14-2007, G, China, 2007, 29-SE
14928-1, G, 1899, 11-NW
1605-77, W, Korea, Republic of, 1977, 11-NW
293-2008, W, China, 2008, 11-SW
337-2002, W, China, 2002, 15-NW
378-2001, W, Korea, Democratic People's
Republic of, 2001, LG-PER-N
670-41, G, 1941, 3-NW
- Koelreuteria paniculata* 'Fastigiata'
87-60, G, 1960, 11-SW
- Koelreuteria paniculata* f. *laciniata*
15-2007, Z, Korea, Republic of, 2007, 11-NW
- Koelreuteria paniculata* 'Rose Lantern'
133-98, G, 1998, LG-PER-N
577-66, G, 1966, 11-NW
771-68, G, 1968, 25-NE
- Koelreuteria paniculata* 'September' ×
Koelreuteria bipinnata
118-94, G, 1994, 54-SW

- Kolkwitzia amabilis*
 18090, G, 1925, 14-SW
 20447, G, 1926, EG-14
 181-2005, G, 2005, LG-1E
 816-84, Z, China, 1984, EG-15
 915-87, Z, China, 1987, 55-NE
- Kolkwitzia amabilis* 'Rosea'
 88-68, G, 1968, EG-13
- + *Laburnocytisus* 'Adamii'
 837-85, G, 1985, 15-SW
- Laburnum alpinum*
 207-86, W, Germany, 1986, 24-NE
- Laburnum anagyroides*
 466-88, W, Czechoslovakia, 1988, 15-SW
- Laburnum × watereri* 'Vossii'
 267-74, G, 1974, 26-NE
- Larix* sp.
 326-2010 – 336-2010, U, 2010, 44-NE
- Larix decidua*
 2775, U, 1886, 39-NE, 44-NE
 14937, W, Poland, 1900, 44-SE
 19708, G, 1926, 39-NE
 1171-67, W, Czechoslovakia, 1967, 39-NE
 1296-83, W, Republic of Montenegro, 1983,
 51-SE
- Larix decidua* 'Pendula'
 251-2003, G, 2003, LG-3B
 804-33, G, 1933, 39-SE, 62-NE
- Larix gmelinii* var. *japonica*
 611-61, U, 1961, 39-NE
 710-65, U, 1965, 39-SE
- Larix gmelinii* var. *olgensis*
 10-96, W, China, 1996, 62-SE
 247-75, U, 1975, 39-NE, 39-NW
 365-97, W, China, 1997, 40-NW
 378-94, W, China, 1994, 56-NW
 447-80, W, China, 1980, 59-NW
- Larix gmelinii* var. *principis-rupprechtii*
 14936, W, China, 1909, 62-NW
 18503, W, China, 1923, 62-NE
 21784, W, China, 1914, 58-SE, 62-NE
 640-67, G, 1967, 39-NE
- Larix kaempferi*
 1097, W, Japan, 1892, 39-SE
 10496, G, 1920, 58-SE
 11276, U, 1922, WH3-SE, WH3-NE,
 WH4-NW, WH4-SW
 14939, W, Japan, 1892, 39-SE
 23171, G, 1963, 44-NE
 23208, G, 1967, 33-SE, 38-NE, 38-NW
 152-79, Z, Japan, 1979, 39-NE
 852-33, G, 1933, 39-NE
- Larix laricina*
 202-80, W, Canada, 1980, 59-NE
 349-82, U, 1982, 35-NW
- Larix laricina* 'Blue Sparkler'
 255-2003, G, 2003, LG-8B
- Larix × marschlinsii*
 6103, U, 1910, 58-SE
 11278, U, 1920, 44-NE
 129-32, G, 1932, 62-NE
- Larix occidentalis*
 1559, U, 1881, 39-NE
 11-2003, W, United States, 2003, 39-NE,
 59-SW
- Larix sibirica*
 14948, W, country unknown, 1900, 39-NE
 1188-63, U, 1963, 34-NE, 34-SE, 40-NW
 269-77, U, 1977, 39-NE
 395-93, W, Russian Federation, 1993, 39-NE,
 39-SE
 445-60, Z, Russian Federation, 1960, 39-NE
 639-67, G, 1967, 40-NW
 751-75, G, Ukraine, 1975, 39-NE
- Lavandula angustifolia*
 14-2003, G, 2003, LG-1A, LG-8H
 63-2006, G, 2006, DGB

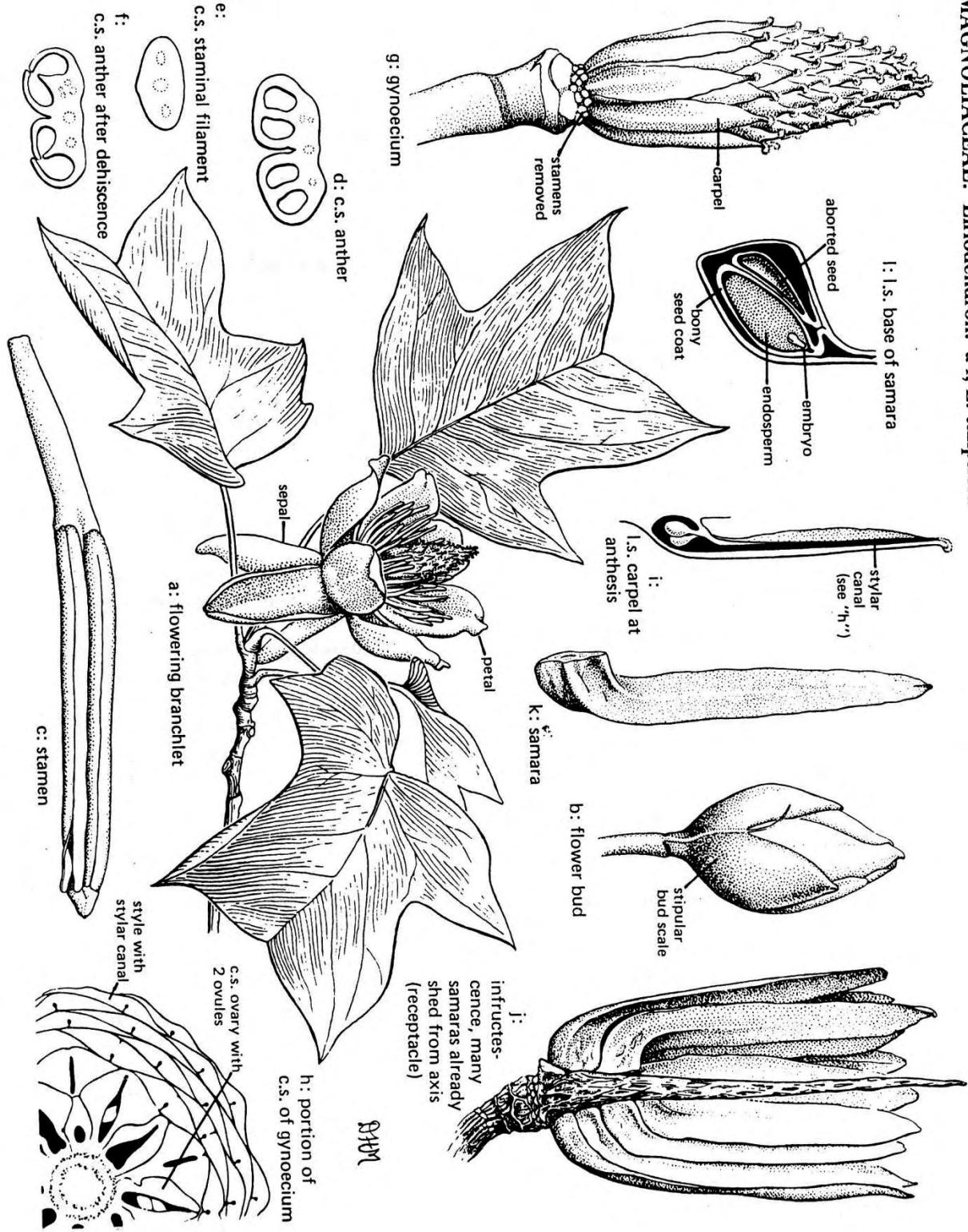
<i>Ledum palustre</i>	<i>Leucothoe racemosa</i>
389-97, W, China, 1997, DGB, LG-6D	814, W, United States, 1876 BR-DAWSON-POND
<i>Leitneria floridana</i>	14916, U, 1879, EG-8
244-97, U, 1997, 11-SW	503-93, W, United States, 1993 BR-DAWSON-POND
29-96, Z, United States, 1996, 11-SW	833-85, Z, United States, 1985, 39-SE
30-96, Z, United States, 1996, 11-SW	
<i>Leptodermis oblonga</i>	<i>Leucothoe recurva</i>
420-2003, G, 2003, LG-8D	1224-88, W, United States, 1988, LG-6D
<i>Lespedeza bicolor</i>	<i>Ligustrum acutissimum</i>
165-2000, G, 2000, LG-8J	1917-80, W, China, 1980, 27-NE
<i>Lespedeza bicolor</i> 'Natob Strain'	24-97, U, 1997, 21-SE
189-2001, G, 2001, LG-8I	344-92, Z, China, 1992, 21-SE
<i>Lespedeza maximowiczii</i>	363-2005, U, 2005, 62-SW
10181, W, Korea, Republic of, 1917, 16-NE	610-84, W, China, 1984, 45-NW
<i>Lespedeza thunbergii</i>	<i>Ligustrum amurense</i>
969-81, G, 1981, 27-SE	1259-81, U, 1981, 27-SE
<i>Lespedeza × angustifolioides</i>	<i>Ligustrum compactum</i>
356-75, G, 1975, BR-16-SE	1640-81, U, 1981, 33-NW
<i>Leucosceptrum stellipilum</i>	2043-77, U, 1977, 27-NE
330-95, G, 1995, 3-NW	<i>Ligustrum foliosum</i>
<i>Leucothoe</i> sp.	1623-77, G, Korea, Republic of, 1977, 27-SE
1397-85, W, United States, 1985, 37-SE	<i>Ligustrum ibota</i>
<i>Leucothoe axillaris</i>	544-81, W, Japan, 1981, 27-NE
178-2001, Z, United States, 2001, 26-SE	545-81, W, Japan, 1981, 27-NE
322-94, G, 1994, 1-SE, 3-NE	<i>Ligustrum japonicum</i>
620-2003, G, 2003, LG-6D	201-2000, Z, Korea, Republic of, 2000, EG-15
<i>Leucothoe fontanesiana</i>	<i>Ligustrum massalongianum</i>
22997, G, 1953, 36-SE	1003-77, G, 1977, 21-SE
279-74, G, 1974, 26-SE	<i>Ligustrum obtusifolium</i>
817-1, G, 1905, 37-SE, 42-NE, 42-NW	14980, W, Korea, Republic of, 1905, 27-NE
<i>Leucothoe fontanesiana</i> 'Girard's Rainbow'	342-92, Z, Japan, 1992, 21-SE
1030-57, G, 1957, 36-SE	<i>Ligustrum obtusifolium</i> var. <i>regelianum</i>
<i>Leucothoe fontanesiana</i> 'Nana'	1264-81, U, 1981, 51-SE
1343-62, G, 1962, 31-NE	<i>Ligustrum ovalifolium</i>
179-2002, G, 2002, LG-6E	1265-81, U, 1981, 27-SE

- 499-90, W, Japan, 1990, 14-SE
 602-88, W, Korea, Republic of, 1988, 27-NE
- Ligustrum quihoui*
 341-92, Z, China, 1992, EG-15
- Ligustrum salicinum*
 1588-77, G, Korea, Republic of, 1977, 21-SE,
 27-NE
- Ligustrum sinense*
 839-82, U, 1982, 52-NW
- Ligustrum tschonoskii*
 500-90, W, Japan, 1990, 27-NE
 840-82, Z, Japan, 1982, 52-NW
- Ligustrum tschonoskii* var. *macrocarpum*
 841-82, U, 1982, 62-SE
- Ligustrum vulgare*
 486-88, W, Czechoslovakia, 1988, 27-NE
 718-84, W, Czechoslovakia, 1984, 52-SW
 901-85, W, Germany, 1985, 27-NE
- Ligustrum vulgare* var. *insulense*
 1589-77, G, Korea, Republic of, 1977, 27-SE
- Ligustrum vulgare* var. *italicum*
 1273-81, U, 1981, 27-SE
- Ligustrum × ibolium*
 1260-81, G, 1981, 27-SE
- Lindera angustifolia*
 740-75, U, 1975, 14-SE
- Lindera benzoin*
 108-97, U, 1997, 14-SE
 122-86, W, United States, 1986, 14-NE
 522-2009, U, 2009, 11-SW
 701-93, W, United States, 1993, 14-SE
- Lindera benzoin* f. *rubra*
 371-2001, Z, United States, 2001, 14-NW
- Lindera benzoin* var. *benzoin*
 417-1, G, 1908, BR-FAXON-POND
- Lindera erythrocarpa*
 177-79, W, Korea, Republic of, 1979, 14-NE
 776-84, W, Korea, Republic of, 1984, 14-SW
 777-84, W, Korea, Republic of, 1984, 49-SW
- Lindera glauca*
 1633-77, G, Korea, Republic of, 1977, 14-SE
- Lindera obtusiloba*
 1255-83, W, Korea, Republic of, 1983, 44-SE
 EG-13
 1619-82, W, Korea, Republic of, 1982, 49-SW
 1626-77, W, Korea, Republic of, 1977, 15-SW
 298-78, W, Japan, 1978, 15-SW
 376-86, W, Korea, Republic of, 1986, 49-SW
 931-85, W, Korea, Republic of, 1985, 39-NE,
 EG-11
- Lindera obtusiloba* var. *obtusiloba*
 2602, W, Japan, 1892, 14-SE
 1195-70, W, Japan, 1970, 15-NW
- Lindera praecox*
 12711, U, 1912, 24-NE
 529-94, U, 1994, 14-SE
 962-81, U, 1981, EG-9
- Lindera umbellata*
 552-91, G, 1991, 14-SE
- Liquidambar acalycina*
 148-98, Z, China, 1998, 25-NW,
 EG-32-NE
 1634-80, W, China, 1980, 19-SW
- Liquidambar formosana*
 450-80, W, China, 1980, 50-SE
- Liquidambar styraciflua*
 581, U, 1880, 27-NE
 14991, U, 1891, 53-SW
 22096, U, 1906, 62-NW
 1248-79, W, United States, 1980, 19-NE,
 19-SE, 19-SW
 135-38, U, 1938, 19-NE
- Liquidambar styraciflua* var. *aurea*
 370-50, U, 1950, 53-NE

Lauraceae: *Lindera*. a-i, *L. benzoin*



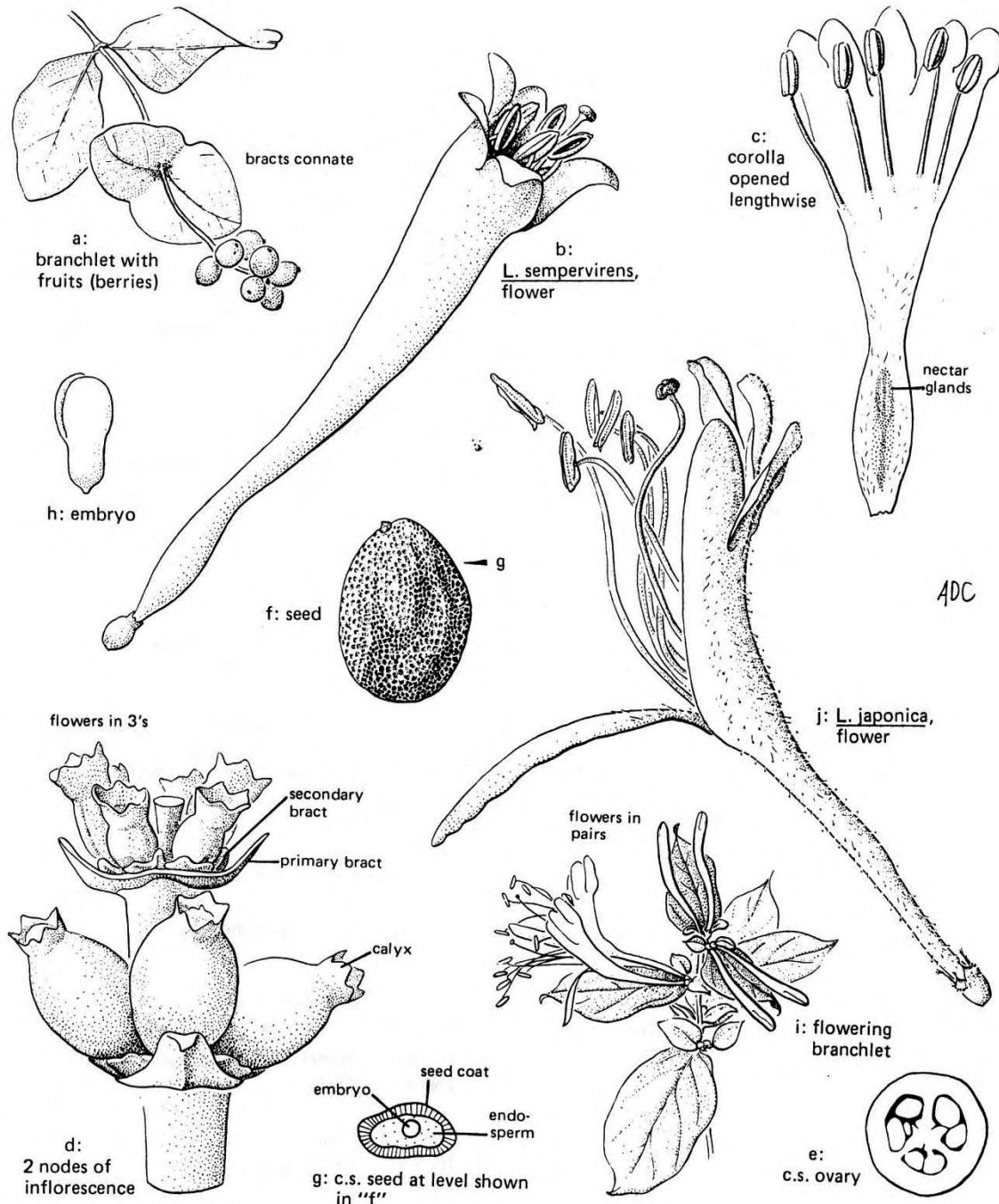
MAGNOLIACEAE: Liriodendron. a-l, L. tulipifera



- Liriodendron chinense*
 234-2004, Z, China, 2004, 3-SW
 265-79, U, 1979, 3-SW
 451-80, W, China, 1980, 3-SW
- Liriodendron tulipifera*
 787, W, United States, 1875, 57-NE, 57-SE
 58-SW
 14992, U, 1894, 2-SE, 3-SW
 15330, U, 1924, 53-SW, 57-NE, 57-NW
 22882, U, 1950, 33-SW, 43-SE
 23118, U, 1959, 2-SE
 1038-80, W, Canada, 1980, 2-SE
 1357-85, W, United States, 1985, 51-SE
 143-87, W, United States, 1987, 2-SE
 396-2005, W, United States, 2005, 2-SE, 3-SW
 605-2010, U, 2010, 58-NE
 773-81, G, United States, 1981, 3-SW
- Liriodendron tulipifera × chinense*
 147-2000, G, 2000, 3-SW
 222-93, G, 1993, 3-SW
 584-81, G, 1981, 3-NE
- Liriodendron tulipifera 'Aureomarginatum'*
 473-89, Z, United States, 1989, 2-NE
- Liriodendron tulipifera 'Fastigiatum'*
 1637, U, 1889, 2-SE
 1637-2, U, 1900, 3-SW
 393-2007, U, 2007, 3-SW
- Liriope muscari*
 1097-89, W, China, 1989, EG-9
- Lithocarpus henryi*
 784-77, G, 1977, 38-NW
- Lonicera alpigena f. nana*
 1310-84, U, 1984, 31-NE
- Lonicera × amoena*
 415-83, G, 1983, 13-SE
 505-93, G, 1993, 27-NW
- Lonicera × bella*
 10087, G, 1919, 21-NE
 392-92, G, 1992, 33-NW, 33-SW
- Lonicera × bella 'Atrorosea'*
 1337-84, U, 1984, 14-NW
- Lonicera × bella 'Candida'*
 3475, G, 1889, 21-SE
 3475-1, G, 1905, 7-SW
- Lonicera bracteolaris*
 1234-84, U, 1984, 13-SE
- Lonicera caerulea var. altaica*
 249-96, G, 1996, 13-SW
- Lonicera caerulea var. dependens*
 615-86, Z, Russian Federation, 1986, 33-NW
- Lonicera caerulea var. edulis*
 1336-84, U, 1984, 33-SW
- Lonicera chrysanthra*
 1149-83, Z, Russian Federation, 1983, 13-NE
 1644-77, W, Korea, Republic of, 1977, 4-SE
 199-2005, Z, Korea, Republic of, 2005, 62-SW
 691-88, W, China, 1988, 13-NW
 973-81, Z, Russian Federation, 1981, 14-NW
- Lonicera chrysanthra f. regeliana*
 695-86, U, 1986, 33-NW
- Lonicera chrysanthra f. villosa*
 693-86, U, 1986, 59-NW
- Lonicera chrysanthra var. longipes*
 1331-84, Z, China, 1984, 13-SW
 630-74, U, 1974, 7-SW
 794-74, U, 1974, 7-SW
- Lonicera deflexicalyx*
 338-92, U, 1992, 33-NE
- Lonicera demissa*
 975-72, U, 1972, 7-SW
- Lonicera etrusca*
 543-93, G, 1993, LG-10B.1

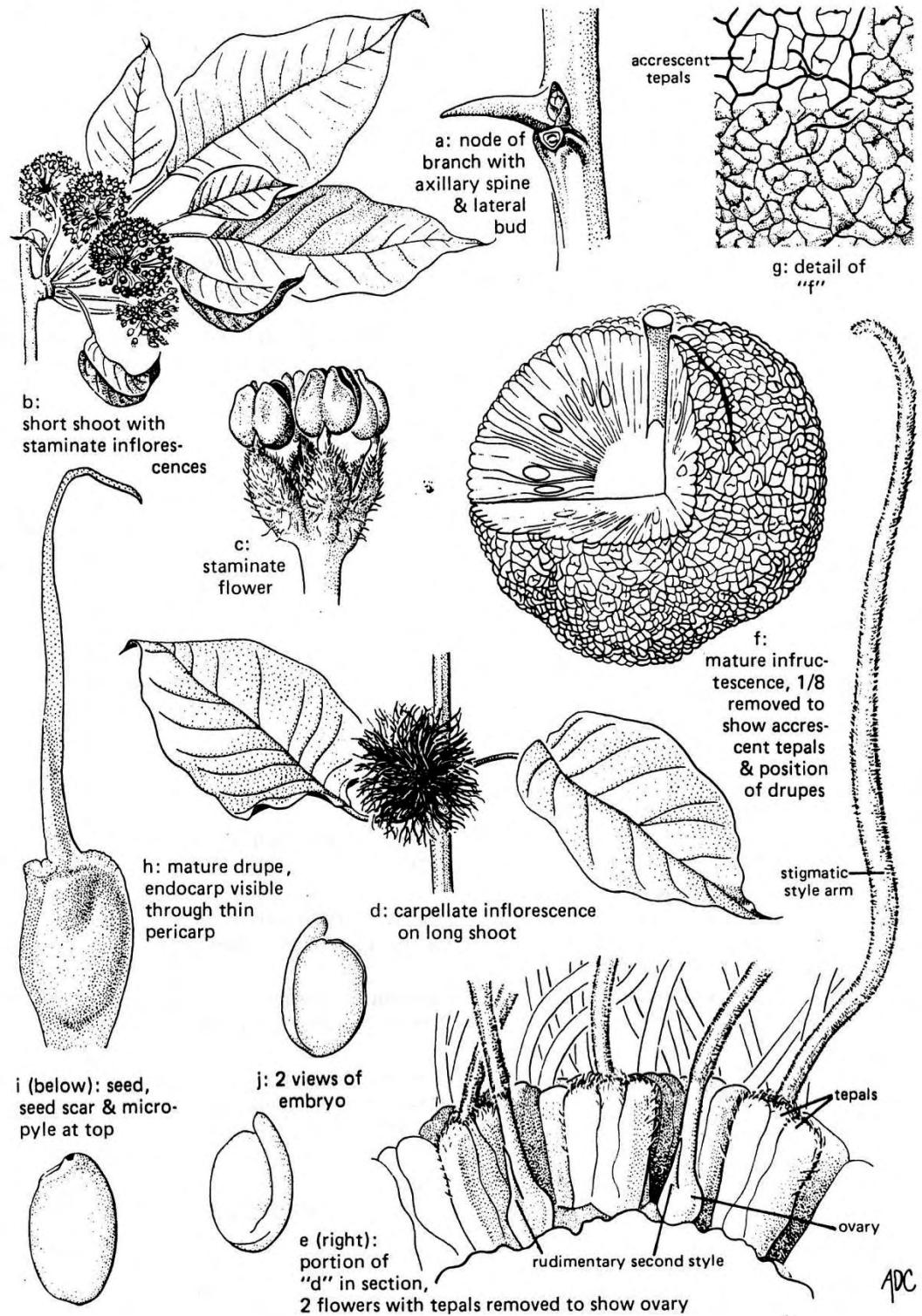
- Lonicera ferdinandi*
18169, W, China, 1911, EG-14
18360, U, 1924, 7-SW
1066-79, U, 1979, EG-17
1113-83, Z, China, 1983, 62-NW
563-87, Z, China, 1987, EG-13
695-88, W, China, 1988, 33-NW, 33-SW
- Lonicera floribunda*
240-96, Z, Iran, 1996, 13-SW
- Lonicera graebneri*
219-2000, W, China, 2000, 7-NW
- Lonicera gynochlamydea*
15032, W, China, 1908, EG-14
132-81, W, China, 1980, 51-NE
1723-80, W, China, 1980, 7-SW
1776-80, W, China, 1980, 13-NE
- Lonicera × heckrottii* 'Goldflame'
350-2006, G, 2006, LG-9C.15
- Lonicera hemsleyana*
124-99, Z, China, 1999, EG-15
776-94, W, China, 1994, EG-15
- Lonicera henryi*
1792-80, W, China, 1980, 26-NE
1969-80, W, China, 1980, 26-SE
418-2008, W, China, 2008, LG-3A
419-2008, W, China, 208, LG-8A
- Lonicera heteroloba*
838-76, U, 1976, 7-NW, 7-SW
- Lonicera iberica*
39-2002, W, Iran, 2002, 7-NE
486-95, W, Iran, 1995, 13-SW
- Lonicera koehneana*
5976, U, 1907, 7-SW
815-84, Z, China, 1984, 33-NW
- Lonicera korolkowii*
10083-2, G, 1927, 7-NE
- Lonicera korolkowii* var. *aurora*
858-82, G, 1982, 59-SW
- Lonicera maackii*
7190, W, China, 1908, EG-13
12319, W, China, 1920, 10-NE
15109-2, U, 1905, 3-NW
178-83, W, China, 1983, EG-17
806-84, U, 1984, 33-NW
904-87, G, 1987, EG-26-SE
- Lonicera maackii* var. *podocarpa*
10085, U, 1919, 21-NE
21268, W, Japan, 1929, 7-NE
- Lonicera maximowiczii* var. *sachalinensis*
381-83, Z, Korea, Republic of, 1983, 13-NE
- Lonicera × minutiflora*
1335-84, U, 1984, 13-SE
- Lonicera modesta* var. *lushanensis*
14-87, Z, China, 59-SW
- Lonicera morrowii*
15086, U, 1911, 15-SE
368-95, U, 1995, 13-SW
525-84, Z, Japan, 1984, 13-NE
- Lonicera morrowii* var. *xanthocarpa*
1329-84, U, 1984, 13-SE
- Lonicera × muendeniensis*
4996, G, 1902, 7-NW
1311-84, U, 1984, 4-SE
- Lonicera × muscaviensis*
11822, G, 1923, 21-NE
- Lonicera nervosa*
95-81, W, China, 1980, 62-SE
- Lonicera nigra*
118-2000, W, France, 2000, 7-NW
- Lonicera cf. nitida*
469-97, W, China, 1997, LG-7I

CAPRIFOLIACEAE: Lonicera. a-h, *L. sempervirens*; i-j, *L. japonica*



- Lonicera × notha*
707-80, U, 1980, EG-18
- Lonicera × notha 'Alba'*
171-97, G, 1997, 13-SW
969-4, G, 1905, 7-NW
- Lonicera × notha 'Carnea'*
1065-79, G, 1979, 7-NW
- Lonicera × notha 'Carneo-rosea'*
3743, U, 1893, 7-SW
- Lonicera nummulariifolia*
250-96, Z, Turkmenistan, 1996, 13-NW
- Lonicera orientalis* var. *caucasica*
364-29, U, 1929, 7-SW
607-87, U, 1987, 4-SE
- Lonicera orientalis* var. *longifolia*
1240-84, U, 1984, 4-SE
- Lonicera periclymenum*
259-2000, G, 2000, LG-10B.12
67-2000, W, Denmark, 2000, LG-9B.3
- Lonicera periclymenum 'Graham Thomas'*
276-2007, G, 2007, LG-9B.5
- Lonicera pileata*
18-92, U, 1992, 1-SW
- Lonicera praeflorens*
657-26, U, 1926, 4-SE
- Lonicera × purpusii*
1315-84, G, 1984, 13-SE
252-96, G, 1996, 13-NW
- Lonicera modesta* var. *lushanensis*
14-87, Z, China, 1987, 59-SW
- Lonicera quinquelocularis*
436-72, U, 1972, 7-NE
- Lonicera ramosissima*
1059-65, U, 1965, 7-SW
- Lonicera ruprechtiana*
694-88, W, China, 1988, 33-NE
- Lonicera ruprechtiana* var. *calvescens*
1325-84, U, 1984, 49-SW
- Lonicera × salicifolia*
1312-84, U, 1984, 14-NW
- Lonicera sempervirens*
393-96, W, United States, 1996, LG-10A.4
- Lonicera sempervirens 'Magnifica'*
358-2006, G, 2006, LG-9B.6
- Lonicera similis*
359-2001, W, China, 2001, 32-SE
- Lonicera sovetskiae*
796-74, U, 1974, 7-NW
- Lonicera standishii*
15118-3, U, 1921, EG-13
860-82, U, 1982, 13-SW
- Lonicera standishii* f. *lancifolia*
6669-1, Z, China, 1923, EG-13
861-82, Z, China, 1982, 62-NW
- Lonicera standishii* 'Rosea'
1094-83, Z, China, 1983, 49-NE
- Lonicera steveniana*
694-83, Z, Russian Federation, 1983, 4-SE
- Lonicera subsessilis*
1652-77, W, Korea, Republic of, 1977, 7-NW,
7-SW
- Lonicera tatarica*
299-78, W, Tajikistan, 1978, 7-SW
365-2004, Z, Tajikistan, 2004, 7-NW
- Lonicera tatarica* 'Angustifolia'
4035, U, 1907, BR-4
- Lonicera tatarica* 'Arnold Red'
1092-83, G, 1983, 55-NE
452-94, G, 1994, 13-SW

MORACEAE: Maclura. a-j, M. pomifera

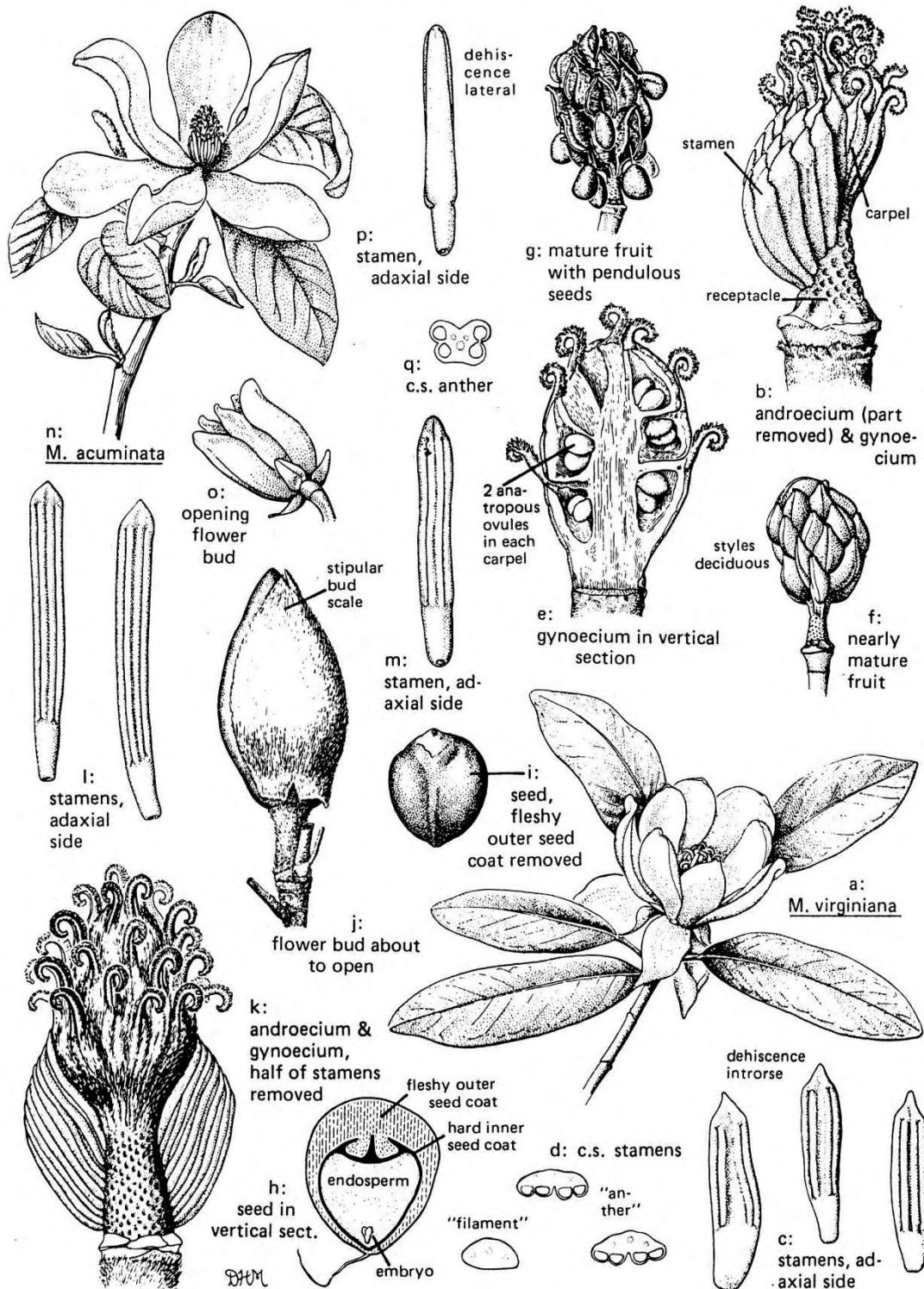


<i>Lonicera tatarica</i> 'Elegans' 1314-84, U, 1984, 13-SE	303-70, G, 1970, BR-16-NE 475-78, W, Korea, Republic of, 1978, EG-9, 59-NE
<i>Lonicera tatarica</i> f. <i>roseo-alba</i> 1342-84, U, 1984, 13-SE	<i>Maackia amurensis</i> var. <i>buergeri</i> 22337, G, 1926, 15-SW 36-98, W, Japan, 1998, 26-SE 610-61, G, 1961, 15-SW
<i>Lonicera tatarica</i> 'Sibirica' 3771-1, U, 1905, 7-SW 609-87, U, 1987, 33-NW	<i>Maackia chinensis</i> 6962-1, G, 1921, 15-SW 708-77, Z, China, 1977, 15-SW
<i>Lonicera tatarica</i> var. <i>pallens</i> 6701, U, 1905, 7-SW	<i>Maackia fauriei</i> 644-87, W, Korea, Republic of, 1987, 15-NW 661-60, G, 1960, 15-SW
<i>Lonicera tatsienensis</i> 347-92, U, 1992, 13-NW	<i>Maclura pomifera</i> 108-99, Z, United States, 1999, 20-SE 200-75, G, 1975, 20-NE 471-36, G, 1936, 18-SE 566-87, U, 1987, 18-SE 79-46, G, 1946, 63-NW
<i>Lonicera vesicaria</i> 239-75, U, 1975, 7-SW	<i>Maddenia hypoleuca</i> 665-65, U, 1965, 19-NW
<i>Lonicera webbiana</i> 220-2000, W, China, 2000, 7-NW	<i>Magnolia</i> 'Betty' 995-68, G, 1968, 3-NW
<i>Lonicera</i> × <i>xylosteoides</i> 5406, U, 1907, 7-NW 15141, G, 1909, 7-SW	<i>Magnolia</i> 'Big Dude' 474-2010, G, 2010, DGB
<i>Lonicera xylosteum</i> 856-84, Z, Austria, 1984, 57-SE	<i>Magnolia</i> 'Elizabeth' 120-78, G, 1978, 3-SW
<i>Lonicera xylosteum</i> 'Claveyi' 1019-83, G, 1983, 62-SW 505-93, G, 1993, 27-NW	<i>Magnolia</i> 'Freeman' 830-75, G, 1975, 18-NE
<i>Loropetalum chinense</i> 200-90, U, 1990, LARZ	<i>Magnolia</i> 'Galaxy' 157-74, G, 1974, 1-NE 531-2003, G, 2003, 1-NW, 1-SE
<i>Lycium halimifolium</i> 488-2003, U, 2003, LG-8B	<i>Magnolia</i> 'Judy' 992-68, G, 1968, 49-NE
<i>Lyonia ligustrina</i> 153-88, W, United States, 1988, 8-NW	<i>Magnolia</i> 'Pastel Beauty' 478-2010, G, 2010, DGB
<i>Lyonia ligustrina</i> var. <i>ligustrina</i> 15129, W, United States, 1883, 5-SW	
<i>Maackia amurensis</i> 103-98, G, 1998, 54-SW 115-98, W, China, 1998, 15-NW, 15-SW	

- Magnolia 'Pegasus' × Magnolia dawsoniana*
 17-2010, G, 2010, DGB
 22-2010, G, 2010, DGB
 27-2010, G, 2010, DGB
- Magnolia 'Randy'*
 993-68, G, 1968, 3-NW
- Magnolia 'Silver Parasol'*
 1144-77, G, 1977, 5-NE
 1280-27, G, 1927, 1-NE
 530-2003, G, 2003, 1-SE
- Magnolia 'Snowflake'*
 477-2010, G, 2010, DGB
- Magnolia acuminata*
 15154, G, 1880, 1-NE, 1-NW, 1-SE
 15156, U, 1918, 1-SE
 136-99, W, United States, 1999, 2-SE
 137-99, W, United States, 1999, 3-SW
 487-40, U, 1940, 1-NW, 1-SE
 71-88, W, United States, 1988, 38-NW
- Magnolia acuminata* var. *subcordata*
 15157, G, 1890, 1-NE, 1-NW
 732-90, G, 1990, 1-SE
- Magnolia acuminata* var. *subcordata*
 'Miss Honeybee' × *Magnolia figo*
 188-2004, G, 2004, 3-NW, DGB
- Magnolia amoena*
 59-96, Z, China, 1996, 32-NE
- Magnolia bohuashense*
 329-2004, G, China, 2004, 3-NW, EG-32-NE
- Magnolia × brooklynensis* 'Solar Flair'
 479-2010, G, 2010, DGB
- Magnolia cylindrica*
 1096-89, W, China, 1989, 44-SE
 158-83, U, 1983, 2-SE
 397-81, U, 1981, 2-NE, 3-NW
- Magnolia denudata*
 1165-84, G, China, 1984, 2-SE, 59-NE, 62-NW
 138-2007, G, China, 2007, 3-NW
- 344-81, G, China, 1981, 2-NE, 39-NE
- Magnolia denudata* 'Banana'
 445-96, G, 1996, 3-NW
- Magnolia fraseri*
 23-88, W, United States, 1988, 19-SW, 2-SE
 57-2009, W, United States, 2009, DGB
 964-79, W, United States, 1979, 1-NW, 2-SE
 999-79, W, United States, 1979, 5-SE
- Magnolia grandiflora*
 'Bracken's Brown Beauty'
 278-98, G, 1998, 3-SW
- Magnolia grandiflora* 'Pendarvis'
 1183-83, U, 1983, 1-SW
- Magnolia kobus*
 1199-77, W, Japan, 1977, 3-NW, 5-NE
 141-41, G, 1941, 1-NW
 294-57, U, 1957, 1-NW
- Magnolia liliiflora*
 374-2001, G, 2001, 34-SW
 375-2001, G, 2001, 1-NW
- Magnolia × loebneri*
 1179-71, G, 1971, 3-SW
 761-35, G, 1935, 1-NE
- Magnolia × loebneri* 'Fastigiata'
 473-2010, G, 2010, DGB
- Magnolia × loebneri* 'Leonard Messel'
 1892-65, G, 1965, 1-SE
 74-98, G, 1998, 11-SW
- Magnolia × loebneri* 'Merrill'
 367-42, G, 1942, 3-NW
 541-58, G, 1958, 3-NW
- Magnolia × loebneri* 'Spring Snow'
 260-73, G, 1973, 43-NE
- Magnolia macrophylla* ssp. *ashei*
 1067-64, G, 1964, 25-NW

- 396-96, W, United States, 1996, 25-NW,
25-SW
- Magnolia macrophylla* ssp. *macrophylla*
299-2001, W, United States, 2001, 24-NE
959-89, W, United States, 1989, 25-NW
960-89, W, United States, 1989, 25-NW
961-89, W, United States, 1989, 25-NW
- Magnolia obovata*
470-90, W, Japan, 1990, 2-SE
- Magnolia officinalis*
158-96, W, China, 1996, 2-NE
472-2010, U, 2010, DGB
- Magnolia officinalis* var. *biloba*
159-83, U, 1983, 63-SW
160-96, W, China, 1996, 2-SE
398-81, U, 1981, 2-NE
- Magnolia salicifolia*
1004-61, G, 1961, 1-SE
393-49, U, 1949, 1-SE
51-63, G, 1963, 1-SE
766-68, U, 1968, 3-NE, 3-SE
874-28, U, United States, 1928, 3-NW
979-86, W, Japan, 1986, 32-NE
- Magnolia salicifolia* 'Wada's Memory'
1179-66, G, 1966, 34-SE
471-82, G, 1982, 1-SE
86-98, G, 1998, 32-NE
- Magnolia sargentiana*
155-96, W, China, 1996, 25-NW
- Magnolia sieboldii*
274-91, U, 1991, 3-SE
404-97, G, China, 1997, 24-NE, 24-NW,
25-NW
589-87, U, Korea, Republic of, 1987, 3-NE
- Magnolia × soulangiana* 'Alexandrina'
1207-66, G, 1966, 1-NW
- Magnolia × soulangiana* 'Andre Leroy'
1069-67, G, 1967, 34-NE
- Magnolia × soulangiana* 'Brozzonii'
15177, G, 1912, 1-SE
21685, G, 1931, 3-NW
- Magnolia × soulangiana* 'Candolleana'
15160, G, 1895, 3-NW
- Magnolia × soulangiana* 'Rustica Rubra'
930-61, U, 1961, 1-NE
- Magnolia × soulangiana* 'Speciosa'
265-57, G, 1957, 1-NW
- Magnolia × soulangiana* 'Verbanica'
21691, G, 1931, 3-NW
393-69, G, 1969, 3-NW
- Magnolia sprengeri*
228-2005, W, China, 2005, 18-NE
- Magnolia stellata*
15185, U, 1903, 3-NW
1046-78, W, Japan, 1978, 2-SE
50-54, U, 1954, 1-SW
803-86, W, Japan, 1986, 2-NE, 2-SE, 3-SW
- Magnolia stellata* 'Centennial'
170-2002, G, 2002, LG-3H
325-93, G, 1993, 3-NW
- Magnolia stellata* 'Rosea'
15187, G, 1915, 3-NE
- Magnolia stellata* 'Waterlily'
1377-67, G, 1967, 3-NW
475-2010, G, 2010, DGB
- Magnolia stellata* 'White Star'
808-60, G, 1960, 1-SE
- Magnolia × thompsoniana* 'Cairn Croft'
174-98, G, 1998, 11-SW, 3-SW

MAGNOLIACEAE: Magnolia. a-i, *M. virginiana*; j-l, *M. grandiflora*; m, *M. tripetala*; n-q, *M. acuminata*



- Magnolia tripetala*
 370-42, G, 1942, 1-SE
 426-76, W, United States, 1976, 3-SW
 766-58, G, 1958, 1-NE
 933-76, G, 1976, 2-SE
- Magnolia virginiana*
 15163, G, 1890, 1-SE
 15163-1, G, 1907, 1-SE
 287-44, G, 1944, 1-NE
 420-92, W, United States, 1992, 3-NE
 535-2002, W, United States, 2002, 1-SE, 3-SW
 613-39, W, United States, 1939, 1-SE
 762-83, U, 1983, 3-NE
 831-59, G, 1959, 1-NE, 1-SE
- Magnolia virginiana* (undetermined hybrid)
 833-59, G, 1959, 1-SE
- Magnolia virginiana* 'Milton'
 400-85, G, 1985, 3-NE
- Magnolia virginiana* 'Satellite'
 145-96, G, 1996, 3-NW
- Magnolia virginiana* var. *australis*
 1275-80, G, 1980, 39-SE
- Magnolia virginiana* × *virginiana* 'Milton'
 779-87, G, 1987, 1-SE, 3-NW, 3-SW
- Magnolia zenii*
 314-2006, Z, China, 2006, EG-32-NE
 430-91, Z, China, 1991, 3-NE
 549-2009, G, 2009, DGB
- Magnolia zenii* 'Pink Parchment'
 476-2010, G, 2010, DGB
- × *Mahoberberis neubertii*
 11821, U, 1923, 18-SE
 73-93, U, 1993, 1-SE
- Mahonia aquifolium*
 148-84, W, Canada, 1984, 31-NE
 284-74, U, 1974, 26-SE
- Mahonia bealei*
 772-94, W, China, 1994, 32-SE
- Mahonia japonica*
 939-73, U, 1973, 37-SE
- Mahonia repens*
 766-87, W, United States, 1987, 3-NW
- Malus* sp.
 22712, G, 1938, 33-NW
 22922, G, 1951, 23-NW
 23009, G, 1953, 22-SW
 23010, G, 1953, 22-SW
 23016, G, 1953, 22-SW
 23217, G, 1968, 27-SE
 23227, G, 1968, 33-NE
 23237, G, 1942, 29-SE, 34-NE, 34-SW
 12-97, G, 1997, 54-NW
 128-58, U, 1958, 51-SE
 185-52, G, 1952, 50-SW
 187-92, G, 1992, 51-SW
 312-57, G, 1957, 51-SW
 347-2010, U, 2010, 51-NW
 358-2010, U, 2010, 49-NE
 466-40, G, 1940, 59-NE
 467-94, W, Russian Federation, 1994, 54-NW
 491-85, U, 1985, 51-NW, 51-SW
 515-94, G, 1994, BR-16-SE
 77-54, U, 1954, 54-NE
 780-52, G, 1952, 50-SE, 50-SW
 917-59, G, 1959, 51-SW
- Malus* 'Adams'
 873-50, G, 1950, 50-NE
- Malus* 'Adirondack'
 307-95, G, 1995, 50-NE, 51-NW
- Malus* 'Ames White'
 161-52, G, 1949, 50-SE
- Malus* 'Arrow'
 782-35, G, 1935, 45-SW
- Malus* 'Barbara Ann'
 94-96, G, 1996, 22-NW

<i>Malus 'Beauty'</i> 776-52, G, 1952, 50-NE	<i>Malus 'Doubloons'</i> 309-95, G, 1995, 50-SE, 54-NE
<i>Malus 'Beverly'</i> 248-64, G, 1964, 50-SW	<i>Malus 'E. H. Wilson'</i> 165-52, G, 1952, 50-SE
<i>Malus 'Blanche Ames'</i> 22994, G, 1953, 22-NE 23007, G, 1953, 22-SW 166-52, G, 1949, 50-NE, 50-SE	<i>Malus 'Elise Rathke'</i> 56-99, G, 1999, 59-SE
<i>Malus 'Bob White'</i> 319-69, G, 1969, 22-NE 401-69, G, 1969, 51-SW, 54-NW	<i>Malus 'Ellwangeriana'</i> 310-50, G, 1950, 51-SW 617-50, G, 1950, 50-NE
<i>Malus 'Burton's Yellow Fruited'</i> 757-60, G, 1960, 50-SE	<i>Malus 'Evelyn'</i> 223-54, G, 1954, 51-SW
<i>Malus 'Caramel'</i> 283-64, G, 1964, 50-SW	<i>Malus 'Florence'</i> 173-52, G, 1952, 50-SE
<i>Malus 'Centennial'</i> 567-61, G, 1961, 51-SW	<i>Malus 'Frau Luise Dittman'</i> 596-50, G, 1950, 50-SE
<i>Malus 'Chestnut'</i> 325-59, G, 1959, 51-SW	<i>Malus "Giant"</i> 162-52, G, 1952, 50-SW
<i>Malus 'Cowichan'</i> 460-52, G, 1952, 51-SW 542-94, G, 1994, 50-SW	<i>Malus 'Golden Hornet'</i> 742-55, G, 1955, 50-SE, 59-NE
<i>Malus 'David'</i> 308-95, G, 1995, 50-SE 570-61, G, 1961, 50-SW	<i>Malus 'Henrietta Crosby'</i> 207-93, G, 1993, 34-SW 531-49, G, 1949, 23-NW
<i>Malus 'Dolgo'</i> 23011, G, 1953, 22-SW 160-52, G, 1952, 50-SE, 50-SW	<i>Malus 'Henry F. DuPont'</i> 22957, G, 1952, 22-NE 159-52, G, 1952, 50-SE 206-93, G, 1993, 54-NW
<i>Malus 'Donald Wyman'</i> 23254, G, 1970, 59-NW 889-71, G, 1971, 54-NW	<i>Malus 'Henry Kohankie'</i> 604-61, G, 1961, 50-SW
<i>Malus 'Dorothea'</i> 177-52, G, 1952, 50-SE 338-88, G, 1988, 22-NW 70-44, G, 1944, 45-NW, 55-SE	<i>Malus 'Hillier'</i> 660-50, G, 1950, 23-NW, 59-NE
	<i>Malus 'Honeywood #7'</i> 440-59, G, 1959, 54-NE

- Malus 'Hyslop Sport'*
151-42, G, 1942, 51-SE
- Malus 'Indian Summer'*
311-95, G, 1995, 54-NE
- Malus 'Jay Darling'*
314-50, G, 1950, 29-SE
- Malus 'Jenison'*
247-73, G, 1973, 55-SE
- Malus 'Jewelberry'*
312-95, G, 1995, 50-NE
- Malus 'Joan'*
84-58, G, 1958, 50-SE
- Malus 'John Downie'*
556-61, G, 1961, 50-SE
- Malus 'Jubilee'*
583-61, G, 1961, 54-NE
- Malus 'Katherine'*
23018, G, 1953, 23-NW
122-94, U, 1994, 50-SW
176-52, G, 1952, 51-SW
224-37, G, 1937, 55-NE
- Malus 'Kerr'*
591-61, G, 1961, 50-SW
- Malus 'Lady Northcliffe'*
264-60, G, 1960, 54-NE
- Malus 'Makamik'*
345-43, G, 1943, 22-NE, 55-NE
- Malus 'Marshall Oyama'*
163-52, G, 1952, 50-SE
- Malus 'Mary Potter'*
23013, G, 1953, 22-SW
181-52, G, 1952, 51-SW
- Malus 'Masek'*
618-73, G, 1973, 50-SE
- Malus 'Morden Rosy Bloom'*
132-45, G, 1945, 55-SE
- Malus 'Mrs. Bayard Thayer'*
589-66, G, 1966, 22-NE
- Malus 'Oakes'*
965-50, G, 1950, 50-SE
- Malus 'Oporto'*
147-62, G, 1962, 50-SW, 55-SE
- Malus 'Ottawa 524'*
179-52, G, 1952, 50-SE, 55-NW
- Malus 'Peachblow'*
211-39, G, 1939, 55-SE
- Malus 'Pink Perfection'*
435-70, G, 1970, 51-SW
- Malus 'Piotosh'*
443-55, G, 1955, 50-SE
- Malus 'Prairifire'*
313-95, G, 1995, 54-NE
- Malus 'Pretty Marjory'*
294-58, G, 1958, 50-SE
307-65, G, 1965, 23-NW
- Malus 'Prince Georges'*
22990, G, 1953, 22-NE
58-2001, G, 2001, 16-NE
- Malus 'Professor Sprenger'*
314-95, G, 1995, 50-SE
- Malus 'Profusion'*
338-50, G, 1950, 50-SE
- Malus 'Purple Prince'*
315-95, G, 1995, 55-NW, 55-SW
- Malus 'Quaker Beauty'*
325-50, G, 1950, 51-SE

<i>Malus</i> 'Queen's Choice' 84-76, G, 1976, 50-SW	<i>Malus</i> 'Turesi' 249-64, G, 1964, 50-NE, 50-SE
<i>Malus</i> 'Rambo' 58-99, G, 1999, 51-SE	<i>Malus</i> 'Van Eseltine' 304-50, G, 1950, 59-NE
<i>Malus</i> 'Red Jade' 532-75, G, 1975, 50-NE	<i>Malus</i> 'Veitch's Scarlet' 539-66, G, 1966, 54-NW
<i>Malus</i> 'Red Splendor' 313-59, G, 1959, 54-NE	<i>Malus</i> 'White Angel' 1245-60, G, 1960, 50-SE 317-95, G, 1995, 54-NE, 55-NW
<i>Malus</i> 'Red Tip' 265-60, G, 1960, 50-SW	<i>Malus</i> 'Whitney' 416-68, G, 1968, 50-SE
<i>Malus</i> 'Redford' 277-42, G, 1942, 51-NW	<i>Malus</i> 'Wynema' 412-50, G, 1950, 50-SE
<i>Malus</i> 'Rodney' 517-70, G, 1970, 54-NW	<i>Malus arborescens</i> 23-99, Z, China, 1999, 45-SW, 50-NW 397-67, Z, Japan, 1967, 45-NW 526-81, Z, Japan, 1981, BR 704-81, Z, Japan, 1981, 59-NW
<i>Malus</i> 'Rudolph' 516-55, G, 1955, 50-SW	<i>Malus argentea</i> 709-72, U, 1972, 50-NE 79-71, U, 1971, 51-SE
<i>Malus</i> 'Snowbank' 263-40, G, 1940, 23-NW 462-40, G, 1940, 59-NE	<i>Malus</i> × <i>arnoldiana</i> 20416, G, 1927, 45-NW 116-91, G, 1991, 22-NW 1645-52, G, 1952, 45-NW, 51-SW 319-49, G, 1949, 17-SW
<i>Malus</i> 'Snowcloud' 436-70, G, 1970, 51-SW	<i>Malus</i> × <i>arnoldiana</i> × <i>M. pumila</i> var. <i>niedzwetzkyana</i> 203-93, G, 1993, 51-SE, 51-SW 225-44, G, 1944, 22-NE
<i>Malus</i> 'Snowdrift' 366-70, G, 1970, 54-NE	<i>Malus</i> × <i>asiatica</i> 20407, G, 1927, 45-SW 142-77, Z, China, 1977, 49-NW 199-92, Z, Korea, Republic of, 1992, 51-NW, 51-SW 529-50, G, 1950, 50-SE
<i>Malus</i> 'Spring Snow' 676-66, G, 1966, 50-SW	580-81, Z, China, 1981, 55-SE 96-96, Z, Korea, Republic of, 1996, 45-NW
<i>Malus</i> 'Strathsmore' 966-50, G, 1950, 51-NW	
<i>Malus</i> 'Strawberry Parfait' 316-95, G, 1995, 50-SE	
<i>Malus</i> 'Tolsteme' 419-68, G, 1968, 50-SW	

- Malus × astracanica*
90-51, G, 1951, 51-SW
- Malus baccata*
1195-65, U, 1965, 51-NE
1843-80, W, China, 1980, 44-SE,
50-NW, BR-12, BR-16-SE
43-95, W, China, 1995, 12-SW, 54-NW
494-63, G, 1963, 51-SW
782-84, W, Korea, Republic of, 1984, 45-SW,
55-NW
- Malus baccata* 'Alexis'
444-55, G, 1955, 50-NW
- Malus baccata* 'Flavescens'
754-55, U, 1955, 50-SE
- Malus baccata* 'Jackii'
300-87, Z, Korea, Republic of, 1987, 51-SW
- Malus baccata* 'Yellow Siberian'
709-72, U, 1972, 50-NE
- Malus baccata* var. *gracilis*
208-97, Z, China, 1997, 45-NW, 45-SW
- Malus brevipes*
1850-2, U, 1901, 51-SW
107-90, U, 1990, 29-SE
1850-2, U, 1901, 51-SW
192-92, U, 1992, 54-NW
392-91, U, 1991, 54-NW
- Malus coronaria*
658-68, U, 1968, 45-SW
899-63, Z, United States, 1963, 51-SE
- Malus × dawsoniana*
102-89, Z, United States, 1989,
BR-DAWSON-POND
318-87, Z, United States, 1987, 51-SW,
55-NW
566-61, Z, United States, 1961, 51-NW
- Malus floribunda*
20405, U, 1927, 22-NE, 45-NW
22996, G, 1953, 22-NE
- 430-83, G, 1983, 55-NW
- Malus fusca*
231-80, W, Canada, 1980, 51-SE
525-81, U, Canada, 1981, 53-SE
- Malus glabrata* (undetermined hybrid)
688-52, G, 1952, 51-SW
- Malus glaucescens*
268-60, U, 1960, 50-SW
- Malus × gloriosa*
260-56, G, 1956, 51-NW
51-2001, G, 2001, 59-SE
- Malus halliana*
1734-80, W, China, 1980, 32-NW,
BR-16-NE, BR-16-SE
1974-80, W, China, 1980, 49-NW, 49-SW
- Malus halliana* 'Parkmanii'
458-94, U, 1994, BR-16-NE, BR-16-NW
- Malus halliana* var. *spontanea* (variant)
49-98, Z, Japan, 1998, 45-SW
- Malus hupehensis*
7241, W, China, 1908, 22-NE
15326, G, 1902, 50-NE
20414, G, 1927, 45-NW
1052-84, Z, China, 1984, 20-SE, 26-SW
17474-1, Z, China, 1921, EG-32-NE
1951-80, W, China, 1980, 50-NE
210-2001, W, China, 2001, 45-NW
21-96, G, 1996, BR-16-NW
324-55, G, 1955, 50-SW
- Malus ioensis*
22516, G, 1936, 51-SE
- Malus kansuensis*
178-95, Z, China, 1995, 45-NW
200-2001, W, China, 2001, BR-16-NW
487-85, W, China, 1985, BR-16-NE
- Malus kansuensis* f. *calva*
134-43, U, 1943, 49-SE

- 1690-80, W, China, 1980, 55-SE
337-50, G, 1950, 49-SE
- Malus kirghisorum*
119-73, U, 1973, 58-NW
- Malus lancifolia × sylvestris*
691-52, G, 1952, 51-SW
- Malus × magdeburgensis*
48-98, G, 1998, 54-NW
544-66, G, 1966, 50-SE
- Malus mandshurica*
1643-81, U, 1981, EG-18
191-78, U, 1978, 44-NE
466-94, W, Russian Federation, 1994,
BR-16-NE, BR-16-NW
783-84, W, Korea, Republic of, 1984, 24-NE,
27-NW, 33-SW
- Malus × micromalus*
1263-83, W, Korea, Republic of, 1983, 55-NE
3202-3, G, 1906, 22-NE, 51-NW
341-57, G, 1957, 51-NW
- Malus × moerlandsii* (variant)
646-38, G, 1938, 55-NE
- Malus orientalis*
1330-77, W, Armenia, 1977, 44-SE
212-2001, W, Russian Federation, 2001,
59-SW
213-2001, W, Russian Federation, 2001,
45-SW
295-89, Z, Armenia, 1989, 22-NE
- Malus orthocarpa*
117-90, U, 1990, 50-NW
- Malus × platycarpa*
134-2004, Z, United States, 2004,
51-NW
138-2008, Z, United States, 2008
51-SW
- Malus platycarpa* var. *hoopesii*
51-98, G, 1998, 22-NE, 50-SW
- Malus prattii*
34-73, U, 1973, 53-SE
- Malus prunifolia* 'Fastigiata'
23216, G, China, 1968, 27-SE
433-83, G, China, 1983, BR-16-SW
- Malus prunifolia* 'Microcarpa Lutea'
19297, G, 1925, 45-NW
- Malus prunifolia* 'Xanthocarpa'
254-80, G, 1980, 49-NW
324-50, G, 1950, 17-SW, 50-SE
- Malus prunifolia* var. *costata*
502-43, G, 1943, 50-SE
513-94, G, 1994, 34-SW
- Malus prunifolia* var. *rinkii*
10795, W, Korea, Republic of, 1918, 32-NE
- Malus pumila*
341-88, Z, 1988, 44-SE
434-83, U, 1983, 62-NE
521-81, U, 1981, 62-NE
82-36, U, 1936, 45-SW
88-36, U, 1936, 55-SE, 59-NE
90-36, U, 1936, 45-SW
- Malus pumila* 'Translucens'
320-49, U, 1949, 55-SE
- Malus pumila* var. *niedzwetzkyana*
530-48, G, 1948, 55-SE
64-53, G, 1953, 29-SE, 51-NE, 51-NW
- Malus × purpurea*
335-88, G, 1988, 51-NW
351-86, U, 1986, 20-SW
448-83, G, 1983, 47-SW
647-36, G, 1936, 50-NW
904-31, G, 1931, 23-NW
- Malus × purpurea* 'Aldenhamensis'
11785, G, 1923, 22-NE
303-50, G, 1950, 51-NW

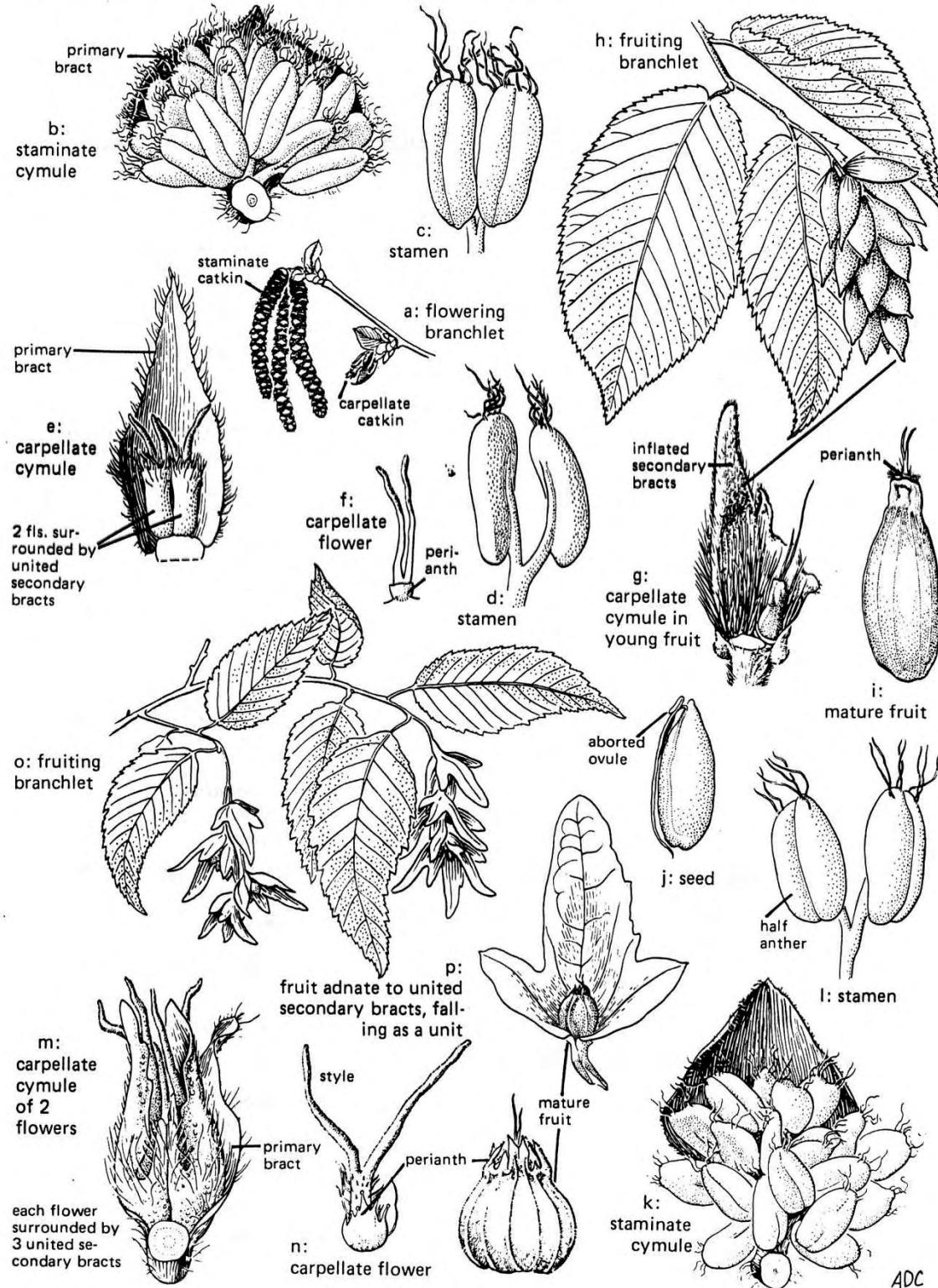
- Malus × purpurea* 'Eleyi'
34-2004, G, 2004, 55-NE
822-49, G, 1949, 17-SW
- Malus × purpurea* 'Kornicensis'
221-39, G, 1939, 55-NE
- Malus × purpurea* 'Lemoinei'
184-38, G, 1938, 59-NE
320-87, G, 1987, 44-SE, 49-NE
- Malus × robusta*
236-37, G, 1937, 55-NE, 55-SE
2553-1, G, 1886, 50-NE
45-98, G, 1998, 45-SW, 59-NE
- Malus × robusta* (variant)
23088, G, 1957, 40-NE
204-93, G, China, 1993, 54-NW,
BR-16-SE
347-88, Z, China, 1988, BR-12
435-83, Z, China, 1983, 59-NW
- Malus × robusta* 'Arnold-Canada'
172-52, G, 1952, 50-SE
- Malus × robusta* 'Erecta'
90-2001, Z, China, 2001, 50-NW
- Malus × robusta* 'Persicifolia'
10011, W, China, 1909, 51-NE
141-2008, Z, China, 2008, 51-SW
- Malus × robusta* var. *xanthocarpa*
116-46, G, 1946, 51-NE
85-58, G, 1958, 54-NE
- Malus sargentii*
4681, W, Japan, 1892, 17-SW
20408, G, 1927, 44-NE, 45-SW, 51-NW
1054-84, Z, Japan, 1984, BR-16-NW
109-91, G, 1991, 51-SW
286-89, Z, Japan, 1989, EG-32-NE
4681-5, G, 1921, 51-SE
537-85, Z, Japan, 1985, BR-16-NW
93-96, G, 1996, 54-NW
- Malus sargentii* × *atrosanguinea*
335-44, G, 1944, 23-NW
- Malus sargentii* 'Rosea'
129-40, U, 1940, 17-SW
- Malus sargentii* 'Rosea' × *M. 'Hopa'*
23017, G, 1953, 22-SW
331-55, G, 1955, 54-NW
57-2007, G, 2007, 51-SW
- Malus sargentii* 'Rosea' × *M. 'MacIntosh'*
335-55, G, 1955, 50-SW
545-94, G, 1994, 54-NW
- Malus × scheideckeri*
197-58, G, 1958, 51-NW
52-2001, G, 2001, 50-SE
- Malus sieboldii*
1464-83, W, Japan, 1983, 26-NW, 38-NE
524-81, Z, Japan, 1981, 55-SE
606-88, W, Korea, Republic of, 1988,
BR-16-NW
623-55, W, Japan, 1954, 49-SE
915-89, W, China, 1989, BR-11
- Malus sieboldii* 'Fuji'
418-68, G, 1968, 51-SE, 51-SW
- Malus sieboldii* var. *zumi*
31-98, W, Japan, 1998, 44-NW, 44-SE
- Malus sikkimensis*
22928, G, 1951, 51-SW, 55-NW
50-36, G, 1936, 55-SE
509-94, Z, China, 1994, 50-SW, 54-NW
BR-16-SE
83-34, G, China, 1934, 55-SE
- Malus × soulardii*
17-97, G, 1997, 45-NW, 50-SW
421-85, U, 1985, 22-NE
545-57, G, 1957, 51-NE
- Malus spectabilis*
1039-51, U, 1951, 51-NE
1292-52, G, 1952, 50-NE

- 429-42, G, 1942, 50-NE
 743-32, U, 1932, 51-SE
 94-91, G, 1991, 50-NE, 50-NW
- Malus spectabilis* f. *albiplena*
 286-57, U, 1957, 50-NE
- Malus spectabilis* var. *plena*
 318-50, G, 1950, 50-NE
- Malus spectabilis* var. *riversii*
 91-59, G, 1959, 50-NW
- Malus spontanea*
 10796, W, Japan, 1919, 22-NE
 10796-1, Z, Japan, 1921, 51-NW
 10796-2, Z, Japan, 1920, 50-NW
 46-98, Z, Japan, 1998, 22-NE
- Malus × sublobata*
 140-2008, Z, Japan, 2008, BR-9
 173-72, Z, India, 1972, 54-SW
 344-86, Z, Japan, 1986, 57-NE
 786-62, G, 1962, 51-NE
- Malus sylvestris*
 11330, W, Denmark, 1920, 51-SE
 13231, U, 1923, 23-NW
- Malus toringoides*
 17475, W, China, 1908, 32-NE
 201-2001, W, China, 2001, BR-16-NW
 202-2001, W, China, 2001, 50-NW
 47-98, Z, China, 1998, 45-SW
- Malus tschonoskii*
 3678, W, Japan, 1892, 17-SW, 22-NE
 62-2007, Z, Japan, 2007, 51-SW,
 BR-16-SW
 98-2007, Z, Japan, 2007, 51-SW,
 BR-16-SW
- Malus yunnanensis*
 22962, U, 1952, 22-NE
 1738-80, W, China, 1980, 33-NE
- Malus yunnanensis* var. *veitchii*
 1740-80, W, China, 1980, 27-NE
- Malus × zumi*
 510-94, U, 1994, BR-12
- Malus × zumi* 'Calocarpa'
 20404, G, 1927, 45-SW
 196-97, G, 1997, 45-NW, 50-SW
- Malus × zumi* (variant)
 696-55, G, 1955, 51-NW
 77-2001, G, 2001, 50-NW
- Meliosma dilleniifolia* ssp. *tenuis*
 442-72, U, 1972, 19-NW
- Menispermum canadense*
 547-94, G, 1994, LG-10B.15
- Menispermum dauricum*
 548-94, G, 1994, LG-9C.31
- Menziesia pilosa*
 141-2000, G, 2000, DGB
- Mespilus germanica*
 230-91, W, Iran, 1991, BR-10
 727-89, W, Iran, 1989, BR-11
- Metasequoia glyptostroboides*
 3-48, W, China, 1948, 35-NE
 379-92, Z, China, 1992, 38-SW, 57-NW
 455-93, W, China, 1993, 51-NE
 458-93, W, China, 1993, EG-32-SE
 460-93, W, China, 1993, 51-NE
 461-93, W, China, 1993, EG-32-SE
 462-93, W, China, 1993,
 BR-DAWSON-POND
 524-48, W, China, 1948, 37-NW, 39-NE, 3-SE,
 3-SW, 42-NW, 43-NW, 63-NW
 584-79, U, 1979, 35-NW, 3-NE, 3-SE
 632-92, W, China, 1992, EG-32-SE
 633-92, W, China, 1992, 3-NE
 634-92, W, China, 1992, 53-SW
 635-92, W, China, 1992, 57-NW, 62-NE,
 EG-32-NE, BR-37-NE
 638-92, W, China, 1992, 51-NE
 639-92, W, China, 1992, 3-NE
 640-92, W, China, 1992, EG-32-SE
 641-92, W, China, 1992, EG-32-SE

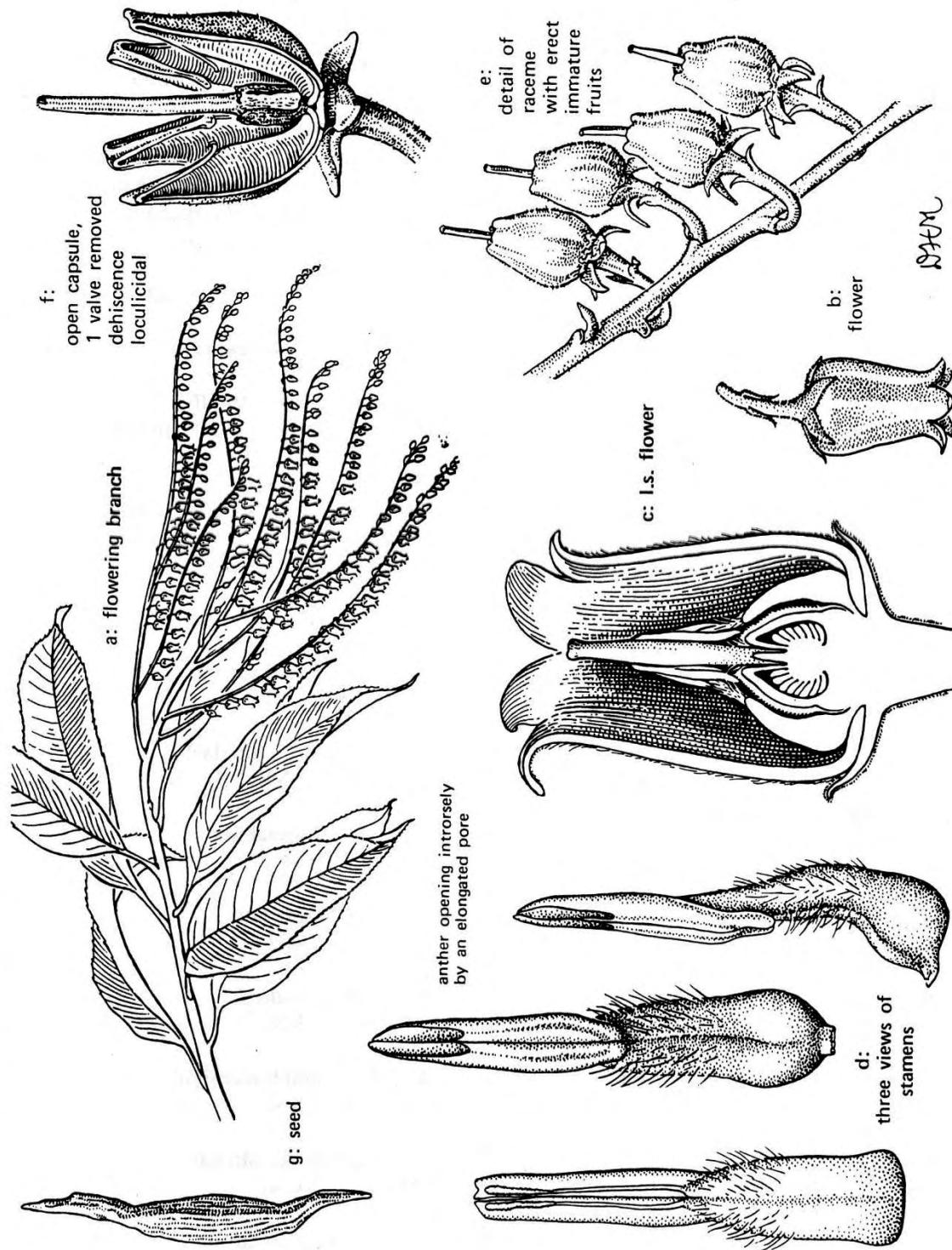
- 642-92, W, China, 1992, 57-NW, 59-SW
 643-92, W, China, 1992, EG-32-SE
 644-92, W, China, 1992, 37-NE, 53-SW
 645-92, W, China, 1992, 59-SW, 62-NE,
 EG-32-SE
 646-92, W, China, 1992, 62-NE, EG-32-SE
 647-92, W, China, 1992, EG-37-NE
 648-92, W, China, 1992, 53-SW, 57-NW
 649-92, W, China, 1992, EG-32-SE
 650-92, W, China, 1992, 57-NW, 62-NE
 652-92, W, China, 1992, 51-NE, 57-NW,
 EG-32-SE
 653-92, W, China, 1992, 62-NE
 654-92, W, China, 1992, 32-SE, 53-SW, EG-15
 655-92, W, China, 1992, 51-NE
 656-92, W, China, 1992, 51-SE, 57-NW
 EG-32-SE
 657-92, W, China, 1992, 53-SW
 658-92, W, China, 1992, 59-SW
 659-92, W, China, 1992, 62-NE
 660-92, W, China, 1992, 63-NW, BR-32-SE
 661-92, W, China, 1992, 51-NE
 662-92, W, China, 1992, 51-NE, 62-NE,
 BR-32-SE
 664-92, W, China, 1992, 62-NE
 666-92, W, China, 1992, EG-5
 667-92, W, China, 1992, 59-SW
 668-92, W, China, 1992, 57-NW
 669-92, W, China, 1992, 51-NE
 670-92, W, China, 1992, EG-32-SE
 672-92, W, China, 1992, EG-32-SE
 673-92, W, China, 1992, 62-NE
 674-92, W, China, 1992, 51-SE, 57-NW
 740-62, Z, China, 1962, 3-NE
 814-62, Z, China, 1962, 3-NE
 815-62, Z, China, 1962, 3-NE, 3-SE
- Metasequoia glyptostroboides* 'National'
 704-60, G, 1960, 3-SE
- Microbiota decussata*
 180-2002, G, 2002, LG-8E
 186-2001, Z, Russian Federation, 2001,
 LG-7H
- Miscanthus sinensis* 'Variegatus'
 934-77, G, 1977, 1-SW
- Mitchella repens*
 575-2008, W, United States, 2008, LG-6E
- Morus alba*
 17672, G, 1907, 21-NW
 174-41, U, 1941, 20-NE
 47-67, G, 1967, 27-SW
 909-58, G, 1958, 21-NW
- Morus alba* 'Pendula'
 5165, G, 1903, 21-NW
 424-66, G, 1966, 27-SE
- Morus alba* 'Stribling'
 427-59, G, 1959, 21-SW
- Morus alba* 'Venosa'
 533-93, G, 1993, 21-NW
- Morus australis*
 7422, W, China, 1907, 21-NW
 679-87, Z, China, 1987, 21-NW
- Morus bombycina*
 20187, U, 1924, 21-NW
- Morus bombycina* 'Unryu'
 69-79, G, Japan, 1979, 14-SE
- Morus rubra*
 192-58, U, 1958, 21-NW
 787-85, W, United States, 1985, 20-NE
 796-85, W, United States, 1985, 21-NW
- Mukdenia rossii*
 445-94, G, 1994, 3-NW
- Myrica gale*
 283-2007, W, United States, 2007, 5-SW,
 8-NW
 366-94, W, Canada, 1994, 22-NW
- Myrica heterophylla* var. *heterophylla*
 361-2003, U, 2003, LG-8I
- Myrica pensylvanica*
 22883, G, 1950, 32-SE
 19-96, W, United States, 1996, 54-SW

- 333-96, W, United States, 1996,
BR-FAXON-POND
- Neillia affinis*
695-87, U, 1987, BR-13
- Neillia ribesoides*
454-84, U, 1984, BR-14
- Neillia sinensis*
113-81, W, China, 1980, BR-14
114-81, W, China, 1980, BR-14
1337-79, Z, China, 1980, 22-NE
- Neillia thibetica*
469-83, U, 1983, BR-13
- Neillia uekii*
7820, W, China, 1907, BR-17-SW
758-78, Z, China, 1978, 22-NE, BR-1B
- Neviusia alabamensis*
18097-1, G, 1917, BR-17-SW
398-96, W, United States, 1996, BR-14
- Nyssa* sp.
982-79, W, United States, 1979, 38-SW,
51-NE
- Nyssa aquatica*
374-94, W, United States, 1994, 11-SW,
21-NE
89-88, W, United States, 1988, 15-SE
- Nyssa sinensis*
374-81, U, China, 1981, 21-NE
- Nyssa sylvatica*
22420, W, United States, 1879, 10-SE
654-2008, U, 2008, BR-FAXON-POND
655-2008, U, 2008, 15-SE
966-79, W, United States, 1979, 22-SW
- Nyssa sylvatica* var. *sylvatica*
509-38, U, 1938, 3-SE
605-2, G, 1893, 21-NE, 21-SE, 4-NE, 7-NE,
7-NW
- Nyssa sylvatica* 'Pendula'
1094-84, G, 1984, BR-DAWSON-POND
- Nyssa sylvatica* 'Zydeco Twist'
466-2010, G, 2010, DGB
- Oemleria cerasiformis*
89-89, W, United States, 1989, BR-14
- Ophiopogon chekiangensis*
1101-89, W, China, 1989, EG-9
- Orixa japonica*
15740, W, Japan, 1892, 25-SW
115-2001, W, Japan, 2001, LG-8I
- Osmanthus americanus*
1140-85, G, 1985, DGB
311-2000, G, 2000, LG-7I
312-2000, G, 2000, EG-7
- Ostrya carpinifolia*
106-2000, W, Austria, 2000, 31-SE
1295-83, W, Czechoslovakia, 1983, 31-NE,
31-SE
265-2005, W, France, 2005, 31-SE, LG-PER-N
30-2001, W, Italy, 2001, 31-SE
302-2002, W, Georgia, 2002, 31-SE
398-75, W, Croatia, 1975, 31-NE
- Ostrya japonica*
3359, U, 1888, 31-SE
11414, U, 1920, 31-SE, 33-NE
- Ostrya rehderiana*
108-2002, W, China, 2002, 31-SE
- Ostrya virginiana*
1373-83, W, Canada, 1983, 15-NW
154-78, W, United States, 1978, 31-NE
1583-83, W, United States, 1983, 31-SE
325-2011, U, 2011, 34-NE
476-2002, W, United States, 2002, 31-NE
- Ostrya virginiana* f. *glandulosa*
17658, U, 1888, 31-SE
1141-56, G, 1956, 31-SE

BETULACEAE: Ostrya & Carpinus. a-j, O. virginiana; k-p, C. caroliniana



ERICACEAE: *Oxydendrum*. a-g, *O. arboreum*

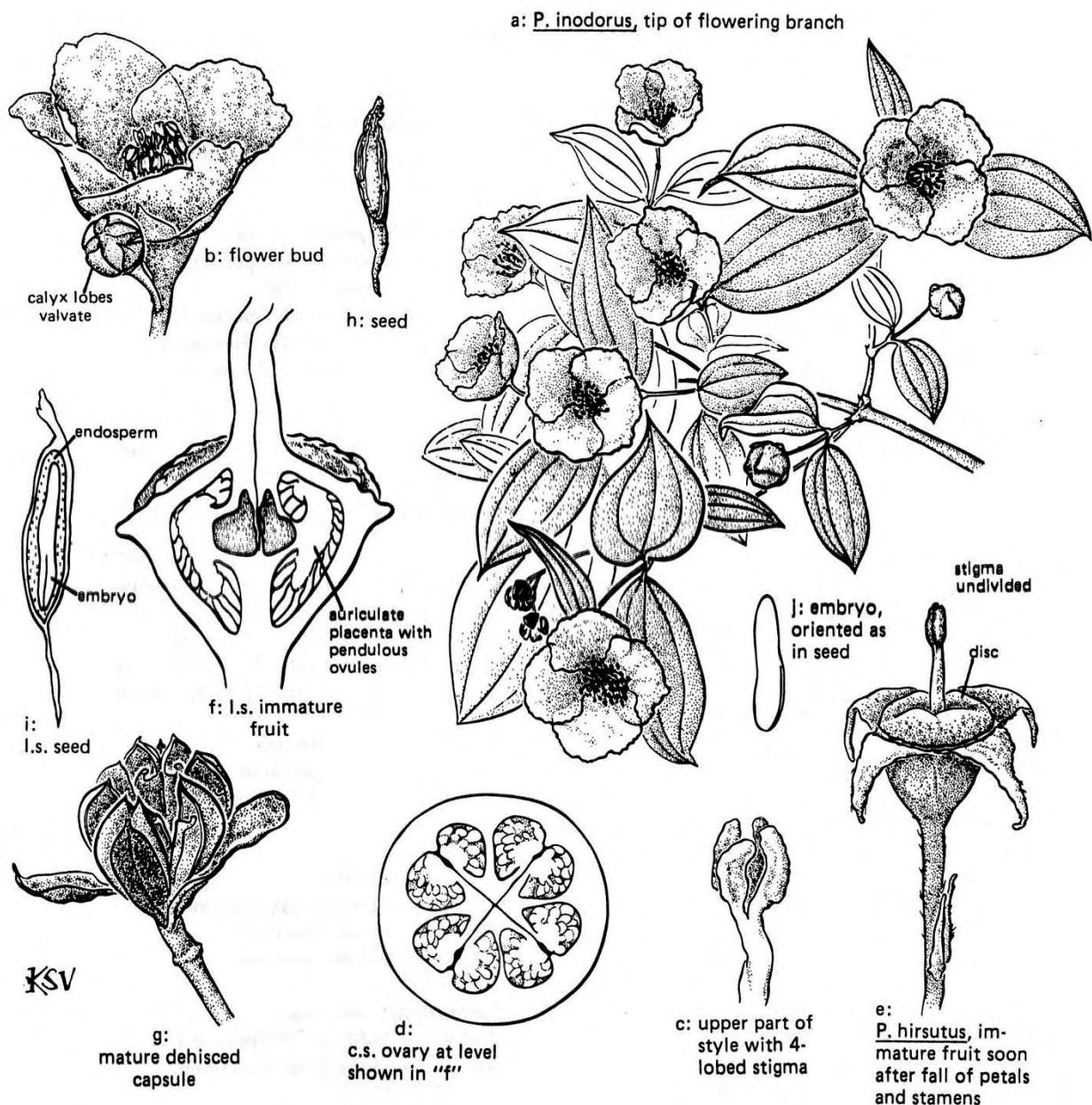


- Ostrya virginiana* var. *virginiana*
 1226, W, United States, 1873, 11-SW
 7660, U, 1888, 31-SE
 11030, U, 1921, 53-SE
 22884, U, 1950, 47-SW, 52-NW, 52-SW
- Oxydendrum arboreum*
 15131, U, 1898, 41-NE
 20954, U, 1929, 11-SW, 13-SW, 42-NE
 106-2007, W, United States, 2007, 42-NE
 270-97, U, 1997, DGB
 480-43, U, 1943, 11-SW, 15-NE, 19-NE
 510-38, U, 1938, 36-SW, 37-SW, 40-NW
 598-39, U, 1939, 1-SW
 60-99, W, United States, 1999, 8-NW
- Pachysandra procumbens*
 444-43, U, 1943, 1-SE, 37-SE
 681-61, U, 1961, 21-NW, 31-NE
- Paeonia 'Adzuma-Shibori'* (Dappled Pattern of the East)
 845-62, G, 1962, 13-NE
- Paeonia 'Athena'*
 378-2003, G, 2003, LG-7H
- Paeonia 'Black Douglas'*
 830-62, G, 1962, 13-NE
- Paeonia 'Chromatella'*
 1145-53, G, 1953, EG-9
- Paeonia 'Crinkled Linens'*
 383-2003, G, 2003, LG-7H
- Paeonia 'Flambeau'*
 891-74, G, 1974, DGB
- Paeonia 'Fushakin'*
 573-48, G, 1948, 13-NE
- Paeonia 'Gold Sovereign'*
 1066-56, G, 1956, EG-9
- Paeonia 'Gyoku-shokaku'* (Palace where Jewels are Kept)
 879-74, G, 1974, EG-9
- Paeonia 'Haku-gan'* (White Wild Geese)
 834-62, G, 1962, EG-9
- Paeonia 'Hakuo-jishi'* (White Tailed Lion)
 1132-53, G, 1953, EG-9
- Paeonia 'Harlequin'*
 1068-56, G, 1956, 13-NE
 820-64, G, 1964, 13-NE
- Paeonia 'Hephestos'* (God of Fire) (Lutea Hybrid Group)
 119-2002, G, 2002, EG-9
- Paeonia 'Hira-no-yuki'* (Snow of Hira)
 549-48, G, 1948, EG-9
- Paeonia 'Hozan'* (Treasure Mountain)
 1052-61, G, 1961, 13-NE
 833-62, G, 1962, 13-NE
 857-41, G, 1941, EG-9
 887-74, G, 1974, EG-9
- Paeonia 'Impu-mon'* (Gate of Impu)
 1049-61, G, 1961, 13-NE
- Paeonia 'Kinda Cute'*
 382-2003, G, 2003, LG-8A
- Paeonia 'Konron-koku'* (Land of Konron)
 840-62, G, 1962, 13-NE
- Paeonia 'La Lorraine'*
 710-58, G, 1958, EG-9
 883-74, G, 1974, DGB
- Paeonia 'Nike'* (Goddess of Victory)
 121-2002, G, 2002, EG-9
- Paeonia 'Raspberry Sundae'*
 379-2003, G, 2003, LG-7H
- Paeonia 'Roman Gold'*
 120-2002, G, 2002, EG-9
 122-2002, G, 2002, LG-8A
- Paeonia 'Suisho-haku'* (Crystal Palace)
 545-48, G, 1948, EG-9

- Paeonia 'Taiyo Sun' (Great Emperor)*
848-62, G, 1962, 13-NE
- Paeonia 'Tama-midori' (Green Jade)*
1151-53, G, 1953, 13-NE
- Paeonia 'Velours Rouge'*
692-58, G, 1958, 13-NE
- Paeonia 'White Charm'*
380-2003, G, 2003, LG-7H
- Paeonia 'Yellow Emperor'*
123-2002, G, 2002, 32-NE
- Paeonia ludlowii*
829-58, G, 1958, EG-9
- Paeonia ostii*
221-2000, W, China, 2000, EG-9
- Paeonia rockii* (doubled flowered form)
270-2002, G, 2002, LG-8A
- Paeonia suffruticosa 'Angelet'*
936-70, G, 1970, EG-9
- Paeonia suffruticosa 'Bijou de Chusan'*
831-62, G, 1962, 32-NE
- Paeonia suffruticosa 'Boreas'* (God of North Wind)
271-2002, G, 2002, LG-7H
- Paeonia suffruticosa 'Mrs. Anna Smirnow'*
1300-78, G, 1978, EG-9
- Paeonia suffruticosa 'Vesuvian'*
937-70, G, 1970, 13-SE
- Paeonia suffruticosa* var. *papaveracea*
502-94, W, China, 1994, EG-9
- Parrotia persica*
2230, G, 1881, 24-NE
358-57, G, 1957, 24-NE
490-77, W, Iran, 1977, 24-NE
- 541-75, W, Iran, 1975, 24-NE
633-79, G, 1979, 25-SW
689-75, G, 1975, 49-NW
- Parrotia persica* 'Pendula'
1321-85, U, 1985, 25-SW
375-92, U, 1992, 19-SW
629-87, U, 1987, 25-SW
- Parrotia persica* 'Vanessa'
620-92, G, 1992, 18-SE
- Parrotia subaequalis*
245-2005, Z, China, 2005, LG-PER-E
304-2004, Z, China, 2004, 25-SW, 32-SE
357-2006, G, Japan, 2006, 18-SE
- Parrotiopsis jacquemontiana*
656-75, U, 1975, 19-SW
765-65, U, 1965, EG-5
- Parthenocissus henryana*
218-2003, G, 2003, LG-5
- Parthenocissus inserta*
587-93, W, United States, 1993, 62-SW
682-63, U, 1963, BR-16-SE
844-90, W, Canada, 1990, LG-5
- Parthenocissus quinquefolia*
23126, G, 1960, 17-SW
78-2008, W, United States, 2008, 39-SE
- Parthenocissus quinquefolia* var. *hirsuta*
282-93, W, Mexico, 1993, LG-5
- Parthenocissus quinquefolia* var. *saint-paulii*
5839, G, 1909, BR-17-SW
- Parthenocissus tricuspidata*
22577, G, 1938, 3-NW
- Parthenocissus tricuspidata* 'Veitchii Robusta'
174-2002, G, 2002, LG-PER-W
474-68, G, 1968, 1-SW
- Paulownia tomentosa*
452-71, W, Japan, 1971, 33-NE
796-78, G, 1978, 32-SE

- Paulownia tomentosa* 'Coreana'
1703-77, W, Korea, Republic of, 1977,
21-NW, 21-SE
730-77, W, Korea, Republic of, 1977, 21-NW
- Persea palustris*
138-2010, W, country unknown, 2010, DGB
- Petasites hybridus*
656-2008, U, 2008, 3-SE
- Petasites japonicus*
648-2008, U, 2008, 3-NE
- Petteria ramentacea*
235-85, Z, Croatia, 1985, 27-SW
- Phellodendron amurense*
1769-77, W, Japan, 1977, 7-SE
181-79, W, Korea, Republic of, 1979, 7-SE
401-56, U, 1956, 7-NE
590-87, W, Korea, Republic of, 1987, 7-SE
- Phellodendron amurense* var. *amurense*
13232, U, 1923, 8-SW
23080, G, 1956, 26-NE
143-6, U, 1882, 7-SE
- Phellodendron amurense* var. *lavallei*
7544, W, Japan, 1905, 10-NW, 5-SW, 7-SE
10724, W, Japan, 1919, 7-SE
- Phellodendron amurense* var. *sachalinense*
12202-1, U, 1919, 11-NW
362-54, W, Japan, 1952, 7-SE
- Phellodendron chinense*
7245, U, China, 1907, 7-SE
6963-2, G, 1923, 10-NE
- Phellodendron piriforme*
21607, U, 1926, 8-SW
1242-57, U, 1957, 10-NE
- Philadelphus* 'Miniature Snowflake'
416-67, G, 1967, 21-NW
- Philadelphus* 'Slavinii'
498-76, G, 1976, 27-SE
- 532-76, G, 1976, 27-SE
- Philadelphus caucasicus*
214-77, W, country unknown, 1977, 21-SE
- Philadelphus confusus*
449-94, G, 1994, 13-SW
- Philadelphus* × *congestus*
539-76, G, 1976, 27-SE
- Philadelphus cordifolius*
340-92, U, 1992, 13-SW
- Philadelphus coronarius*
21326, U, 1930, 21-NW
530-76, U, 1976, 21-SE, 27-NE
537-76, Z, United States, 1976, 27-SE
552-74, U, 1974, 27-NE
- Philadelphus coronarius* 'Primulaeflorus'
620-86, U, 1986, 58-SW
- Philadelphus coronarius* 'Zeyheri'
6964, G, 1910, 21-NE
474-76, G, 1976, 21-SE
- Philadelphus coulteri*
132-2000, G, 2000, 27-NE
- Philadelphus delavayi*
295-85, W, China, 1985, 21-NE
- Philadelphus edsonii*
343-92, U, 1992, 27-NE
- Philadelphus* × *falconeri*
340-92, U, 1992, 13-SW
- Philadelphus hirsutus*
18346, W, United States, 1924, 15-SW
- Philadelphus hirsutus* var. *grandifolia*
494-2010, W, United States, 2010, DGB
- Philadelphus incanus*
15366, U, 1907, 21-NE
1842-80, W, China, 1980, 27-NE
584-76, U, 1976, 15-SW
602-84, W, China, 1984, 59-SW

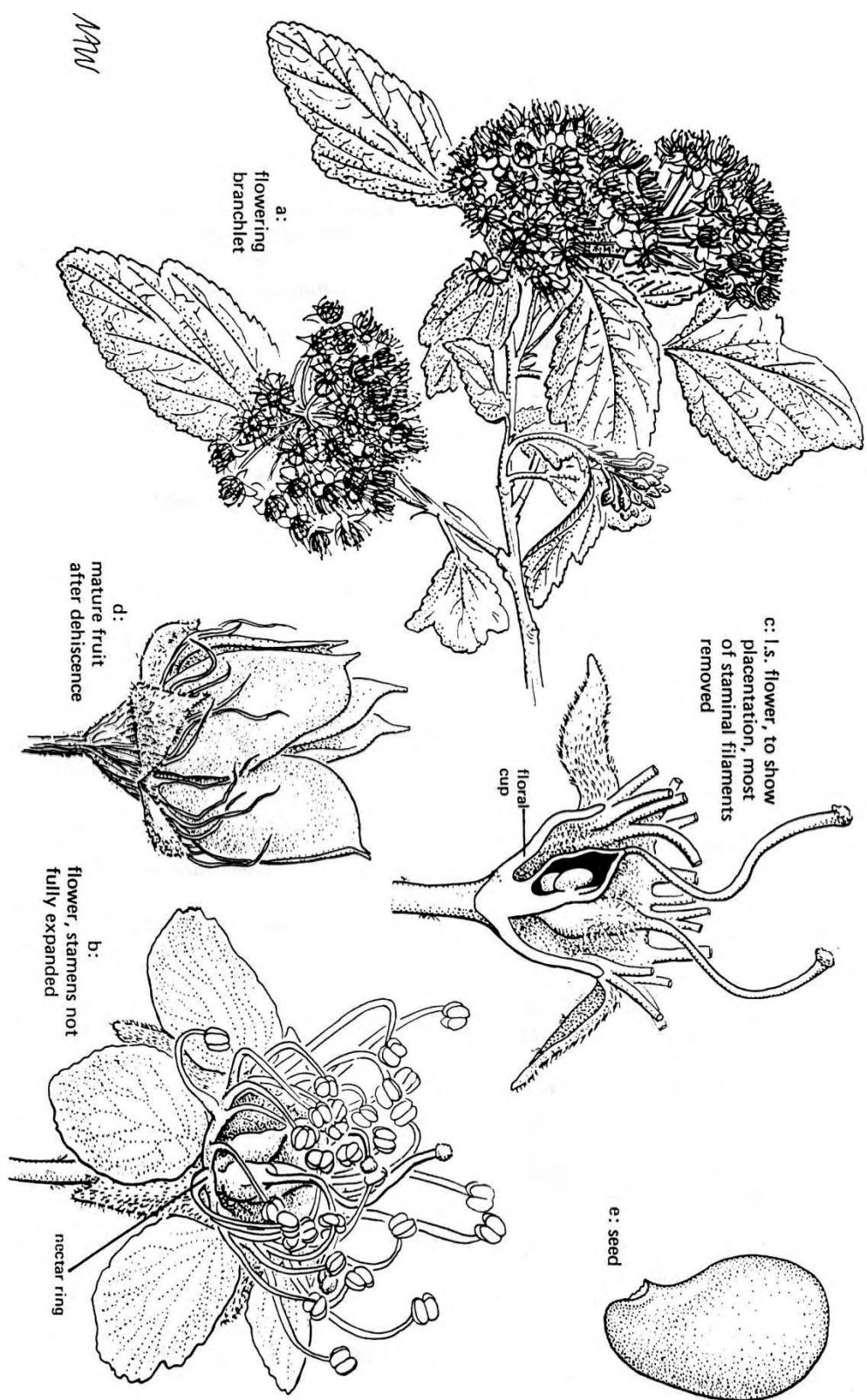
SAXIFRAGACEAE: *Philadelphus*. a-d, *P. inodorus*; e-j, *P. hirsutus*



- Philadelphus inodorus*
 320-79, W, United States, 1979, 21-NW
 481-76, U, 1976, 21-NW
 482-76, G, 1976, 27-SE
 875-84, Z, United States, 1984, 38-NW
- Philadelphus kansuensis*
 815-80, Z, China, 1980, 33-SW
- Philadelphus × maximus*
 6601, G, 1885, 21-NE
- Philadelphus × monstrosus*
 899-84, G, 1984, 39-NE
- Philadelphus pekinensis*
 20085, W, China, 1920, 15-SW
 14-95, W, China, 1995, 13-SW
 45-95, W, China, 1995, 13-NW, 13-SW
 64-90, W, Korea, Republic of, 1990, 21-SE
 711-94, W, China, 1994, 13-NW
- Philadelphus × polyanthus 'Gerbe de Neige'*
 4158, G, 1900, 15-SW
 876-84, G, 1984, 59-SE
- Philadelphus pubescens*
 702-80, Z, United States, 1980, 52-NE
- Philadelphus pubescens* var. *intectus*
 703-80, Z, United States, 1980, 33-SW
- Philadelphus purpurascens*
 127-95, W, China, 1995, 13-SW
 216-77, W, China, 1977, 21-SE
 874-84, G, 1984, 62-NW
- Philadelphus satsumi*
 112-2001, W, Japan, 2001, 21-SE
- Philadelphus schrenkii*
 306-97, W, China, 1997, 21-SE
 519-89, W, China, 1989, 21-NE
 605-87, Z, Korea, Republic of, 1987, 27-NW
 812-80, U, 1980, 55-NE
 838-69, W, Korea, Republic of, 1969, 15-SW
 877-84, Z, Korea, Republic of, 1984, 21-NE
- Philadelphus schrenkii* var. *jackii*
 1717-77, W, Korea, Republic of, 1977, 21-SE
 351-92, Z, Korea, Republic of, 1992, 27-NE
- Philadelphus sericanthus*
 217-77, U, 1977, 21-SE
 563-88, W, China, 1988, 21-NE
- Philadelphus subcanus*
 218-77, W, China, 1977, 27-SE
 454-83, W, China, 1983, 52-SW
 459-73, U, 1973, 21-SE
 848-80, Z, China, 1980, 27-SE
 96-74, G, 1974, 21-NE, 21-SE
- Philadelphus subcanus* var. *magdalenae*
 540-76, U, 1976, 21-NW
 647-57, U, 1957, 15-SW
- Philadelphus tenuifolius*
 15653, U, 1923, 15-SW
 418-89, W, Korea, Republic of, 1989, 21-NE
 519-76, U, 1976, 27-SE
 612-88, W, Korea, Republic of, 1988, 21-NE
- Philadelphus texensis* var. *coryanus*
 517-90, W, United States, 1990, 21-SE
- Philadelphus triflorus*
 233-96, G, 1996, 13-SW
- Photinia* sp.
 619-97, W, China, 1997, 22-NE
- Photinia beauverdiana*
 1733-80, W, China, 1980, BR-16-SE
- Photinia parvifolia*
 106-52, W, Japan, 1952, 51-NE
 998-75, U, 1975, BR-FAXON-POND
- Photinia villosa*
 283-82, W, Japan, 1982, BR-8
 391-86, W, Korea, Republic of, 1986, 41-NE
 60-90, W, Korea, Republic of, 1990, BR-12
 67-90, W, Korea, Republic of, 1990, BR-12
 785-84, W, Korea, Republic of, 1984, BR-11
 934-85, W, Korea, Republic of, 1985, BR-10

- Photinia villosa* var. *laevis*
1239-70, U, 1970, 52-NW
1266-72, U, 1972, 15-SE
- Photinia villosa* var. *sinica*
18197, W, China, 1923, 19-NW
7801-2, G, 1916, 51-NE
- Photinia villosa* var. *villosa*
22298, U, 1930, 52-NW
15427-1, G, 1922, 51-NE
806-32, G, 1932, 51-NE
995-37, G, 1937, 19-NE
- Photinia villosa* var. *zollingeri*
500-85, U, 1985, BR-16-NW
- × *Phylliopsis* 'Sugar Plum'
559-2007, G, 2007, LG-7B
67-2007, G, 2007, DGB
- Phyllostachys angusta*
457-88, G, 1988, 34-SW
- Phyllostachys aureosulcata*
707-77, U, 1977, 32-SE, EG-3
- Phyllostachys bambusoides*
369-80, U, China, 1980, 34-SE
- Phyllostachys bissetii*
1405-84, U, 1984, 26-NW
- Phyllostachys congesta*
371-80, Z, China, 1980, 34-SE
- Phyllostachys dulcis*
1019-89, G, United States, 1989, 51-SE
405-68, G, United States, 1968, 10-NE
- Phyllostachys flexuosa*
373-80, G, 1980, 34-SW
532-80, U, 1980, 34-SW
- Phyllostachys glauca*
458-88, Z, China, 1988, 44-NE
- Phyllostachys makinoi*
374-80, U, 1980, 34-SW
- Phyllostachys meyeri*
375-80, Z, China, 1980, 34-SW
- Phyllostachys nigra* 'Hale'
492-80, U, 1980, 34-SW
- Phyllostachys nigra* 'Henon'
971-89, G, 1989, 45-NW
- Phyllostachys nuda*
369-85, U, 1985, 47-SE
- Phyllostachys viridis*
380-80, U, 1980, 34-SW
- Physocarpus* sp.
510-78, W, Canada, 1978, 23-NW
- Physocarpus amurensis*
126-79, G, 1979, 23-NW
- Physocarpus bracteatus*
1235-85, U, 1985, BR-10
- Physocarpus capitatus*
136-83, W, United States, 1983, BR-8
201-98, W, United States, 1998, BR-10
- Physocarpus malvaceus*
549-80, U, 1980, 23-NW
- Physocarpus opulifolius*
15432, U, 1884, BR-16-NE
1279-82, W, United States, 1982, BR-8
1811-77, G, 1977, 22-NE
1983-77, U, 1977, BR-16-SE
203-89, W, United States, 1989, BR-10
- Physocarpus opulifolius* 'Dart's Gold'
717-83, G, 1983, 17-SW

ROSACEAE subfamily SPIRAEOIDEAE: Physocarpus. a-e, *P. opulifolius*



Physocarpus opulifolius 'Luteus'
2160-1, G, 1903, BR-16-NE

Physocarpus opulifolius var. *intermedius*
590-64, G, 1964, BR-16-NE
650-88, W, United States, 1988, BR-10

Physocarpus opulifolius var. *nanus*
538-67, G, 1967, BR-16-NE

Picea sp.
1700-77, W, Japan, 1977, 52-SW
327-2006, U, 2006, DGB
568-2010, - 571-2010, U, 2010, 44-NE
880-85, W, United States, 1985, 52-SW

Picea abies
5921, G, 1910, 35-SW
22885, G, 1950, 33-NE
23026, G, 1953, 30-SW, 33-NE, 35-NW,
35-SW, 49-NE, 49-SW
1053-24, U, 1924, 40-NW
277-87, W, Norway, 1987, 41-SE
307-85, W, Norway, 1985, 41-SE, 52-SW
379-2010, U, 2011, 30-SW
380-2011, U, 2011, 30-SW
517-28, U, 1928, 34-SE
571-28, U, 1928, 49-SW
872-82, G, 1923, 35-SW

Picea abies (variant)
23209, G, 1965, 31-SW
1002-69, U, 1969, 34-NW, 53-SE
1211-83, G, 1983, 31-SW
392-43, G, 1943, 35-NW
461-38, G, 1938, 35-SW
979-69, U, 1969, 34-NE

Picea abies 'Clanbrassiliana'
79-40, G, 1940, 31-SW

Picea abies 'Crippsii'
512-79, G, 1979, LG-PER-S

Picea abies 'Cupressina'
5915, G, 1910, 35-SW

Picea abies 'Elegantissima'
4819, G, 1903, 35-NW

Picea abies 'Ellwangeriana'
22682, G, 1941, 35-SE

Picea abies 'Finedonensis'
507-37, G, 1937, 35-SW

Picea abies f. *acrocana*
475-36, G, 1936, 31-SW

Picea abies f. *conica*
15437, G, 1910, 35-SW
69-89, G, 1989, 35-SW
73-89, G, 1989, 31-SW

Picea abies f. *recurvata*
1031-64, G, 1964, 34-NE

Picea abies 'Gregoryana Parsonsii'
1948, G, 1883, 35-NW

Picea abies 'Inversa'
15441, G, 1907, 35-NW, 35-SW
378-88, U, 1988, 31-NW

Picea abies 'Maxwellii'
12467, G, 1916, 31-NW
21277, G, 1930, 31-NW
621-20, G, 1920, 31-SW

Picea abies 'Microsperma'
15380, G, 1919, 31-SW

Picea abies 'Mucronata'
1411-78, G, 1978, 31-NW

Picea abies 'Nidiformis'
685-41, G, 1941, 31-SW
696-83, G, 1983, LG-PER-S

Picea abies 'Parviformis'
5000, G, 1901, 35-SW

Picea abies 'Pendula'
490-57, G, 1957, 35-SW

- Picea abies* 'Reflexa'
648-67, G, 1967, 35-NW
- Picea abies* 'Remontii'
15463, G, 1903, 35-NW, 35-SW
- Picea abies* 'Stricta'
2190-25, G, 1925, 35-SW
- Picea abies* 'Virgata'
7318, G, 1913, 35-SW
1701-65, G, 1965, 30-SW
359-88, G, 1988, 34-SW, 44-SE
- Picea alcoquiana*
5317, U, 1902, 35-NW
16472, U, 1903, 35-SW
- Picea alcoquiana* var. *acicularis*
60-2001, G, 2001, 39-NE
650-67, G, 1967, 35-NW
- Picea alcoquiana* var. *reflexa*
651-67, G, 1967, 35-NW
- Picea asperata*
6284, W, China, 1911, 27-SW, 2-NE, 2-SE,
33-NE, 38-NW, 49-NE, 49-SW
21774, W, China, 1910, 38-NW, 49-SE
23198, G, 1966, 34-SE
260-94, Z, China, 1994, 49-NE
262-94, Z, China, 1994, 35-SW
280-80, Z, China, 1980, 34-SW
388-87, Z, China, 1987, 35-SW
78-27, W, China, 1927, 49-SW
- Picea asperata* var. *aurantiaca*
577-57, Z, China, 1957, 35-SE
578-57, Z, China, 1957, 35-SW
- Picea asperata* var. *heterolepis*
6996, W, China, 1911, 49-SW
1263-82, G, 1982, 33-SW
245-92, Z, China, 1992, 34-NE
362-88, Z, China, 1988, 3-NW
374-88, Z, China, 1988, 2-SE
- Picea asperata* var. *notabilis*
6992, W, China, 1909, 33-NE, 33-SE, 38-NW,
49-SW
16469, W, China, 1911, 2-NE, 33-SW
12-96, Z, China, 1996, 40-NW
252-92, Z, China, 1992, 34-NE
393-88, Z, China, 1988, 49-SW
- Picea asperata* var. *ponderosa*
6998, W, China, 1911, 27-SE, 27-SW, 33-SW,
49-SW
392-88, Z, China, 1988, 2-NE, 2-SE
- Picea brachytyla*
458-80, W, China, 1980, 59-NE
- Picea chihuahuana*
315-88, W, Mexico, 1988, 39-NE, 39-NW
625-89, W, Mexico, 1989, 39-NE
734-78, U, 1978, 34-NE
- Picea crassifolia*
1274-79, W, China, 1979, 52-SW
459-80, W, China, 1980, 31-NW, 33-NW,
65-NW
- Picea engelmannii*
15877, W, United States, 1922, 35-SE, 35-SW
16477, W, United States, 1879, 35-SE
21300, U, 1930, 35-SE
1148-72, W, United States, 1972, 47-SW
1149-72, W, United States, 1972, 52-NE
118-77, W, United States, 1977, 26-NW
1310-79, W, Canada, 1980, 53-NE, 63-NW
1349-78, W, Canada, 1978, 59-SE
- Picea engelmannii* × *glauca* var. *albertiana*
13417, W, United States, 1918, 34-NE
377-85, G, 1985, 35-SE
393-87, Z, United States, 1987, 35-SE, 35-SW
- Picea engelmannii* × *pungens*
817-39, G, 1939, 35-SW
- Picea* × *fennica*
15464, U, Sweden, 1901, 30-SW

- Picea glauca*
 23199, U, 1966, 40-NE
 1000-82, W, United States, 1982, 36-SW,
 49-NE
 1145-72, W, United States, 1972, 62-NE
 1147-72, W, United States, 1972, 35-SE
 1351-78, W, Canada, 1978, 59-SE
 263-90, W, Canada, 1990, 40-NE
 611-93, W, United States, 1993, 40-NE
- Picea glauca* var. *albertiana* f. *conica*
 11586, U, 1922, 31-SW
 182-2005, G, 2005, LG-2L
- Picea glauca* var. *densata*
 16481, U, 1907, 34-NE, 35-NW
- Picea glauca* × *mariana*
 1477-60, U, 1960, 34-NE
- Picea glehnii*
 16485, U, 1894, 35-NW, 49-NE
 392-86, W, Japan, 1986, 35-SW
 721-80, W, country unknown, 1980, 55-NE
 906-86, W, Japan, 1986, 49-SW
- Picea jezoensis*
 1275-79, W, China, 1979, 35-SE, 40-NE
 1452-66, U, 1966, 59-NE
 489-2002, W, China, 2002, 44-NE
 502-77, W, Korea, Republic of, 1977, 31-NW,
 52-NE
 925-86, W, Japan, 1986, 35-SW
- Picea jezoensis* var. *komarovii*
 47-95, W, China, 1995, 39-NE
 488-2002, W, China, 2002, 44-NE
- Picea koraiensis*
 1276-79, W, China, 1979, 52-NE
 1289-60, U, 1960, 29-SE, 30-SW, 35-NW
 1350-78, W, 1978, 59-NE
 389-88, Z, Korea, Democratic People's
 Republic of, 1988, 40-NE
 459-77, U, 1977, 55-SE, 59-SE
 460-80, W, Korea, Democratic People's
 Republic of, 1980, 34-NE
 503-40, W, Korea, Democratic People's
- Republic of, 1940, 34-SE
- Picea koyamai*
 7707, W, Japan, 1915, 27-SE, 2-NE, 2-SE,
 33-NE
 10979, G, 1921, 34-SE
 11031, U, 1921, 34-SE
 15821, G, 1923, 35-SW
 244-92, Z, Japan, 1992, 34-NE
 261-94, Z, Japan, 1994, 40-NW
 370-88, Z, Japan, 1988, 2-NE, 2-SE
- Picea likiangensis*
 175-65, U, 1965, 35-NW
 209-95, Z, China, 1995, 40-NW
 461-80, W, China, 1980, 59-NE
 654-67, G, 1967, 35-NW
- Picea likiangensis* var. *montigena*
 6704, W, China, 1911, 27-SE, 33-NE, 49-SW,
 53-NW
 243-92, Z, China, 1992, 39-NE, 39-SE
 379-88, Z, China, 1988, 39-NE
- Picea mariana*
 1336-78, W, Canada, 1978, 35-NW
 250-92, Z, Canada, 1992, 34-SE
 771-93, W, Canada, 1993, 34-SE
- Picea mariana* 'Doumetii'
 277-80, G, 1980, 31-SW
- Picea mariana* 'Ericoides'
 1169-24, W, Canada, 1924, 35-NW
- Picea mariana* 'Nana'
 1162-68, G, 1968, DGB
 251-65, G, 1965, 1-SW
 889-69, G, 1969, DGB
- Picea* × *mariorika*
 585-68, G, 1968, 30-SW, 34-NE
 655-67, G, 1967, 39-NE
- Picea mexicana*
 621-89, W, Mexico, 1989, 35-NW

- Picea meyeri*
 1341-78, W, 1978, 35-NW
 20-48, Z, Russian Federation, 1948, 35-NW
 228-43, Z, China, 1943, 34-NE
- Picea × notha*
 13406, G, 1894, 35-NW
- Picea obovata*
 7709, W, country unknown, 1911, 34-SE
 1335-78, W, 1978, 56-SW
 311-98, W, Finland, 1998, 27-NE, 35-SW
 354-79, W, Russian Federation, 1979, 40-NE,
 40-NW
- Picea omorika*
 11143, G, 1919, 34-NE
 504-70, G, 1970, 35-NW, 3-SW
- Picea omorika 'Expansa'*
 605-71, G, 1971, 34-NE
 641-72, G, 1972, 30-SW
- Picea omorika 'Pendula'*
 1429-64, G, 1964, 34-NE
- Picea orientalis*
 1491, U, 1873, 35-SW
 16503, W, country unknown, 1903, 35-SE
 17639, U, 1874, 35-NE, 35-SE
 23031, G, 1953, 33-NE
 378-85, Z, country unknown, 1985,
 35-NW
- Picea orientalis 'Atrivirens'*
 656-67, G, 1967, 35-NW
- Picea orientalis 'Compacta'*
 348-68, G, 1968, 30-SW
- Picea orientalis 'Gowdy'*
 152-56, G, 1956, 34-SE
 184-59, G, 1959, 35-NW
 381-66, G, 1966, 35-NW
- Picea orientalis 'Nutans'*
 789-56, U, 1956, 44-SE
- Picea polita*
 16505, U, 1895, 34-SE
 419-87, U, 1987, 39-NE, 39-NW
 420-87, U, 1987, 39-NE
- Picea pungens*
 1476, W, United States, 1874, 35-SE
 16508, U, 1899, 35-NW
 1331-81, W, United States, 1981, 30-SW
- Picea pungens (variant)*
 458-57, U, 1957, 50-NW
 958-66, G, 1966, 31-SW
- Picea pungens 'Argentea'*
 346-68, G, 1968, 40-NE
- Picea pungens 'Compacta'*
 16509, G, 1890, 40-NE
 372-85, G, 1985, 31-SW, LG-PER-S
- Picea pungens 'Glauca'*
 22808, W, United States, 1874, 35-SE
- Picea pungens 'Glauca Compacta'*
 1409-67, G, 1967, 40-NE
- Picea pungens 'Hoopsii'*
 436-64, G, 1964, 40-NE
- Picea pungens 'Hunnewelliana'*
 20809, G, 1929, 31-SW
 1277-78, G, 1978, LG-PER-S
- Picea pungens 'Iseli's Fastigate'*
 2073-77, G, 1977, 14-NW
- Picea pungens 'Koster'*
 827-64, G, 1963, 35-SE, 40-NW
- Picea pungens 'Moerheimii'*
 21273, G, 1930, 35-SE, 40-NE
 100-58, G, 1958, 35-SE
 230-49, G, 1949, 35-SE
- Picea pungens 'Royal Blue'*
 384-69, G, 1969, 40-NE

- Picea pungens* 'Speks'
659-67, G, 1967, 40-NW
- Picea pungens* 'Thompson Blue'
1175-61, G, 1961, 35-SE
- Picea purpurea*
6995, W, China, 1911, 38-NW, 44-SE
11269, G, 1922, 34-SE
1277-79, W, China, 1979, 65-NW
462-80, W, China, 1980, 63-SW, 65-NW
- Picea rubens*
16511, W, United States, 1895, 40-NE,
40-NW, 44-SE
1221-85, W, United States, 1985, 34-NE
1343-78, W, 1978, 35-SE
1348-78, W, 1978, 34-NE
1369-85, W, United States, 1985, 35-SW
1372-85, W, United States, 1985, 30-SW
247-92, Z, United States, 1992, 35-SW
612-93, W, United States, 1993, 34-SE, 49-SE
- Picea schrenkiana*
1278-79, W, China, 1979, 39-NE
556-86, W, Uzbekistan, 1986, 35-SW, 40-NW
- Picea sitchensis*
1344-78, W, 1978, 59-NE
166-93, W, United States, 1993, 35-SE
203-80, W, Canada, 1980, 33-NE, 35-SE
651-88, W, United States, 1988, 34-SE, 35-SE
686-93, W, United States, 1993, 49-SE
- Picea smithiana*
349-84, W, Pakistan, 1984, 39-NE
- Picea wilsonii*
7599, W, China, 1910, 40-NW
16515, W, China, 1909, 33-NE, 38-NW,
49-SW
16520, W, China, 1912, 27-SE, 33-NE, 40-NW
16521, W, China, 1908, 3-NW
1264-82, G, 1982, 33-SW
1279-79, W, China, 1979, 33-SE, 52-NE,
65-NW
863-89, W, China, 1989, 35-SW
- Picrasma quassiodoides*
1493-67, Z, Korea, Republic of, 1967, EG-5
585-79, G, 1979, 8-SW
610-83, U, 1983, 50-NE
673-70, Z, Korea, Republic of, 1970, 24-NE
683-75, Z, Korea, Republic of, 1975, 8-SW
684-75, Z, Korea, Republic of, 1975, 8-SW
- Pieris 'Brouwer's Beauty'*
1502-77, G, 1977, 37-SW
195-2006, G, 2006, LG-6A
607-2003, G, 2003, LG-6A
925-76, G, 1976, 36-SE
- Pieris floribunda*
14919, U, 1885, 36-SE
14921, U, 1903, 36-SE
18144, U, 1925, 36-SE
19448, U, 1926, 36-SE
21301, U, 1930, 37-SW
311-74, G, 1974, 26-SE
- Pieris floribunda* 'Millstream'
609-63, G, 1963, 37-SW
857-69, G, 1969, 37-SW
- Pieris japonica*
1253-62, G, 1962, 37-NW
1255-62, G, 1962, 37-SW
1440-63, G, 1963, 37-NW
1441-63, G, 1963, 37-NW
281-74, G, 1974, 26-SW
526-82, G, 1982, 32-SW
- Pieris japonica* 'Compacta'
1481-63, G, 1963, 3-NE
- Pieris japonica* 'Geisha'
1977-81, G, 1981, DGB
- Pieris japonica* 'Mountain Fire'
280-2003, G, 2003, LG-6B
- Pieris japonica* 'Scarlet O'Hara'
348-71, G, 1971, DGB
- Pieris japonica* 'Variegata'
1146-79, G, 1979, DGB

Pieris japonica 'White Cascade'
109-63, G, 1963, 1-SE
736-69, G, 1969, DGB

Pinus aristata
134-86, W, United States, 1986, 31-NW
168-44, W, United States, 1944, 31-SW
653-88, W, United States, 1988, 31-NW
721-61, G, 1961, LG-PER-S

Pinus arizonica
1081-90, W, Mexico, 1990, 39-NE
375-67, W, United States, 1967, 30-SE

Pinus armandii
17-99, W, China, 1999, 35-NE
239-2000, W, China, 2000, 32-SE, 36-NW
24-49, W, China, 1949, 30-SW
472-54, G, 1954, 30-SW, 35-SW

Pinus armandii × *lambertiana*
534-59, G, 1959, 34-SE

Pinus ayacahuite var. *brachyptera*
309-82, W, Mexico, 1982, BR-16-NE

Pinus banatica
77-71, U, 1970, 22-SW

Pinus banksiana
1380-83, W, Canada, 1983, 35-NE
350-82, U, 1982, 59-SE

Pinus bungeana
244-2000, W, China, 2000, 32-NE
245-2000, W, China, 2000, EG-21-NE
466-80, W, China, 1980, 32-NE
566-79, G, 1979, 53-SW
663-49, U, 1949, 35-NW
79-2002, W, China, 2002, 36-NW
80-2002, W, China, 2002, 36-NW

Pinus cembra
13411, G, 1912, 35-NE

Pinus contorta
938-88, W, United States, 1988, 36-SW

Pinus contorta var. *latifolia*
12-2003 W, United States, 2003, 36-SW
1323-81, W, United States, 1981, 59-NE

Pinus densiflora
11373, W, Korea, Republic of, 1917, 45-SW
16536, W, Japan, 1892, 35-NE
1724-77, W, Japan, 1977, 36-SW
436-84, Z, Japan, 1984, 36-SW
521-88, Z, Korea, Republic of, 1988, 35-NE
524-88, Z, Japan, 1988, 35-NE
64-98, Z, Japan, 1998, 44-SE

Pinus densiflora 'Umbraculifera'
477-57, G, 1957, 44-SE
618-38, G, 1938, 31-NW

Pinus densiflora × *nigra* ssp. *nigra*
735-83, U, 1983, 52-SW

Pinus echinata
16541, W, United States, 1898, 30-SW

Pinus flexilis
16546, U, 1892, 49-SW
254-79, Z, United States, 1979, 30-SE
397-88, U, 1988, 39-SE
499-51, U, 1951, 35-NE
531-88, Z, United States, 1988, 30-SW
606-57, U, 1957, 31-SW
611-57, U, 1957, 35-NE
63-98, Z, United States, 1998, 35-NE

Pinus flexilis 'Glauca'
351-71, G, 1971, 30-SE

Pinus flexilis 'Glauca Pendula'
203-2003, U, 2003, 31-NW

Pinus heldreichii
1276-64, W, Republic of Montenegro, 1964,
45-SW

Pinus henryi
297-2000, W, China, 2000, 36-NW

Pinus × *holfordiana*
407-80, G, 1980, 16-NE

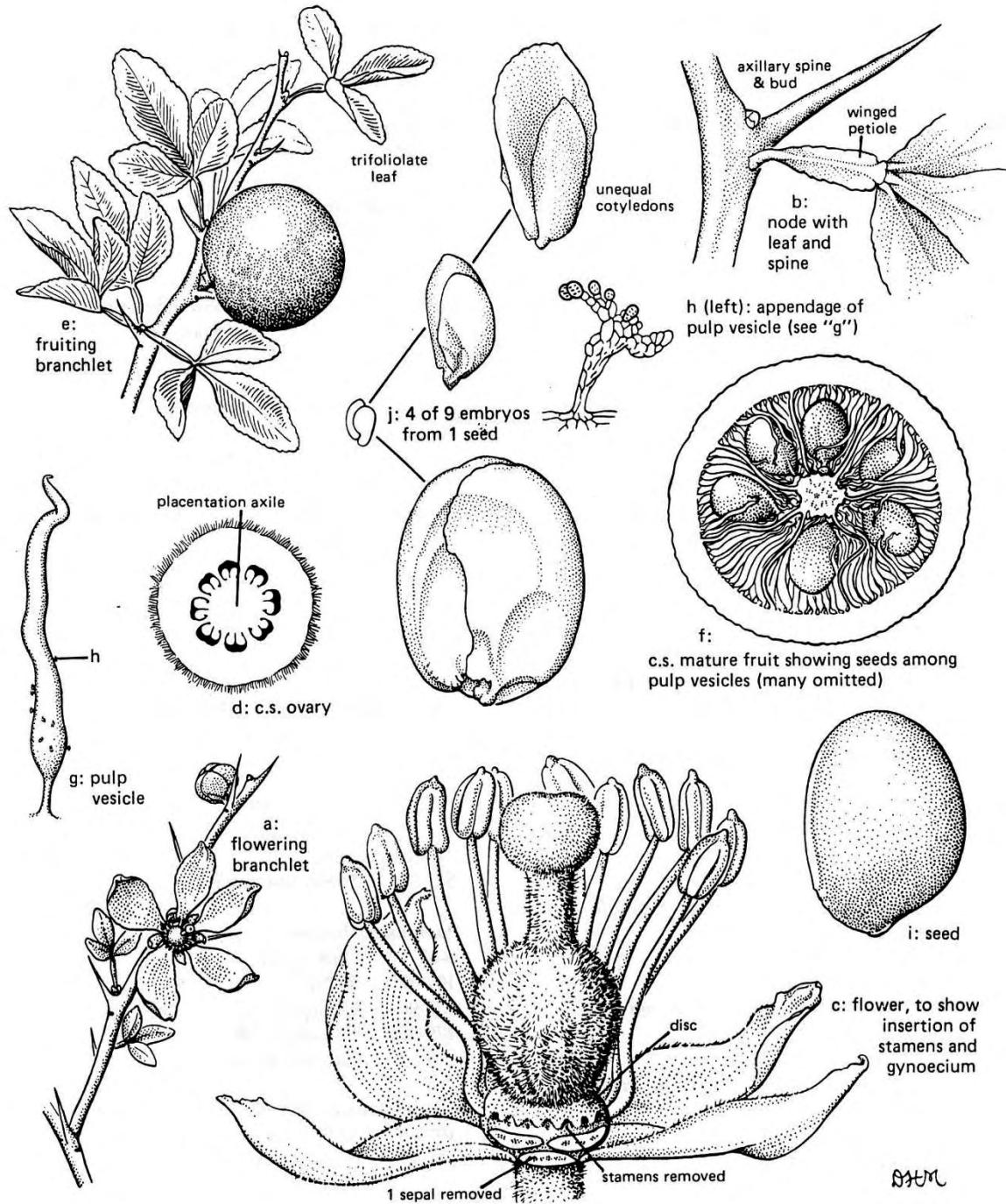
- 431-54, G, 1954, 30-SW
 479-57, G, 1957, 31-SW, 34-SE
 726-83, G, 1983, 16-SE
- Pinus × holfordiana × parviflora*
 497-30, G, 1930, 35-NW
- Pinus hwangshanensis*
 1282-79, W, China, 1979, 53-SE
 368-76, U, 1976, 29-SE, 57-NW
- Pinus jeffreyi*
 16548, U, 1908, 36-NW
 522-2002, W, United States, 2002, 31-SW,
 35-NE
- Pinus koraiensis*
 1932, G, 1883, 49-NE
 10940, G, 1921, 36-SW
 11242, W, Korea, Republic of, 1918, 30-SW
 1264-83, W, Korea, Republic of, 1983, 16-NE,
 34-SE
 1476-60, U, 1960, 31-SW
 378-97, W, China, 1997, 36-NW
 379-2001, W, Korea, Democratic People's
 Republic of, 2001, 21-SE, 35-NE
 402-97, W, China, 1997, 21-SE, 30-SE, 36-NW
 49-95, W, China, 1995, 36-NW, 36-SW
 538-90, W, Korea, Republic of, 1990, 44-SE
 651-93, W, China, 1993, 35-NE
- Pinus koraiensis 'Glauca'*
 239-66, G, 1966, 30-SE
- Pinus lambertiana*
 16552, G, 1884, 36-SW
 530-88, G, 1988, 30-SW, 35-NE
- Pinus leucodermis*
 478-57, G, 1957, 34-SE, 35-SW
- Pinus monophylla*
 400-88, Z, United States, 1988, LG-PER-S
- Pinus monticola*
 16561, G, 1886, 36-SW
 16562, U, 1900, 35-NW, 49-NE
 3-84, W, United States, 1984, 44-SE
- 1244-78, W, Canada, 1978, 16-NE
 1420-5, G, 1884, 34-SE, 36-SW
 734-83, U, 1983, 16-NE, 16-SE
- Pinus monticola × parviflora* var. *himekomatsu*
 266-46, G, 1946, 2-NE, 3-NW
 269-46, G, 1946, 34-SE
- Pinus monticola × strobus*
 267-46, G, 1946, 35-NE
- Pinus mugo*
 723-77, W, Slovenia, 1977, 25-SW
- Pinus mugo* var. *mugo*
 8098, U, 1918, 31-SW
 1242-73, G, 1973, 31-SW
 213-61, G, 1961, 25-SW
 274-50, G, 1950, 31-NW
 276-53, G, 1953, 25-SW
 667-50, G, 1950, 31-NW
- Pinus mugo* var. *mugo* 'Prostrata'
 426-57, G, 1957, 31-NW
- Pinus nigra* (variant)
 356-88, Z, Turkey, 1988, 31-NW
- Pinus nigra* 'Arnold Sentinel'
 192-86, W, Turkey, 1986, 39-NE
 263-95, Z, Turkey, 1995, LG-PER-W
- Pinus nigra* 'Pyramidalis'
 482-57, G, 1957, 36-NW
- Pinus nigra* ssp. *nigra*
 4802, W, Bosnia and Herzegovina, 1902,
 44-SE, 53-NW
 304-78, W, Bosnia and Herzegovina, 1978,
 26-NW
- Pinus nigra* ssp. *pallasiana*
 1013-90, W, Turkey, 1990, 35-NE
 1038-65, W, Ukraine, 1965, 35-NE
 565-66, W, Ukraine, 1966, 31-SW
 575-94, W, Turkey, 1994, 30-NW, 35-NW,
 55-SE
 686-67, W, Russian Federation, 1967, 30-NE

- Pinus nigra* ssp. *salzmannii*
 5717, U, 1907, 44-SE
 16567, U, 1901, 35-NW
 305-92, G, 1992, LG-PER-W
 481-57, G, 1957, 34-SE
- Pinus parviflora*
 1539-71, U, 1971, 26-SE
 1732-77, W, Japan, 1977, 27-SE, 58-NW
 192-90, U, 1990, LARZ
 759-86, U, 1986, LARZ
 893-49, U, 1949, LARZ
- Pinus parviflora* × *strobus*
 263-46, G, 1946, 33-SW
- Pinus parviflora* 'Glauca'
 551-72, G, 1972, DGB
- Pinus parviflora* var. *himekomatsu*
 16568, U, 1894, 44-SE
 43-96, G, 1996, 35-NE
- Pinus parviflora* var. *pentaphylla*
 1421, G, 1881, 35-NE
 195-65, G, 1965, 31-SW
 62-98, G, 1998, 35-NE
- Pinus peuce*
 1936, U, 1883, 34-SE
 131-74, W, Macedonia, 1974, 26-NE
 396-88, Z, Bulgaria, 1988, 35-NE, 36-NW
 420-32, U, 1932, 49-NW
- Pinus peuce* 'Jeddolah'
 383-76, G, 1976, 27-NE
- Pinus peuce* 'Westbury'
 1374-67, G, 1967, DGB
- Pinus pinaster* 'Aberdoniae'
 768-76, U, 1976, 30-NW
- Pinus ponderosa*
 9-2003, W, United States, 2003, 30-SE, 62-NE
 521-2002, W, United States, 2002, 25-SW,
 62-NE
 689-93, W, United States, 1993, 36-NW, 56-NW
- Pinus ponderosa* var. *ponderosa*
 16547, U, 1902, 44-SE
 1311-79, W, Canada, 1980, 59-NE
 205-80, W, United States, 1980, 59-NE
 424-86, W, United States, 1986, 35-NW
 92-89, W, United States, 1989, 44-SE
- Pinus ponderosa* var. *scopulorum*
 1225-84, W, United States, 1984, 35-NE
- Pinus pumila*
 1148-86, W, Japan, 1986, 36-SW
 903-86, W, Japan, 1986, 31-NE
 947-86, W, Japan, 1986, 31-NE
- Pinus pumila* 'Typica'
 1061-71, U, 1971, DGB
- Pinus pungens*
 10706, U, 1921, 35-NE
 355-79, W, United States, 1979, 34-NE
 580-2007, W, United States, 2007, 35-NE
- Pinus resinosa*
 16573, W, United States, 1879, 36-SW
 18126, G, 1925, 45-NW
 273-47, G, 1947, 2-NE, 3-NW
 730-39, G, 1939, 27-SE
- Pinus rigida*
 16574, G, 1883, 35-NE
 22950, G, 1951, 36-NW
 112-2006, W, United States, 2006, 30-NW
 1315-82, G, 1982, 31-SW, 36-NW
 899-70, W, United States, 1970, LARZ
- Pinus × schwerinii*
 264-46, G, 1946, 33-NE, 33-SE
 265-46, G, 1946, 33-SE
 445-62, G, 1962, 35-NE
- Pinus sibirica*
 1283-79, W, China, 1979, 44-SE
 1451-66, U, 1966, 34-NE
 356-79, W, Russian Federation, 1979, 35-NW
 469-80, W, China, 1980, 30-SW
 953-26, U, 1926, 30-SW

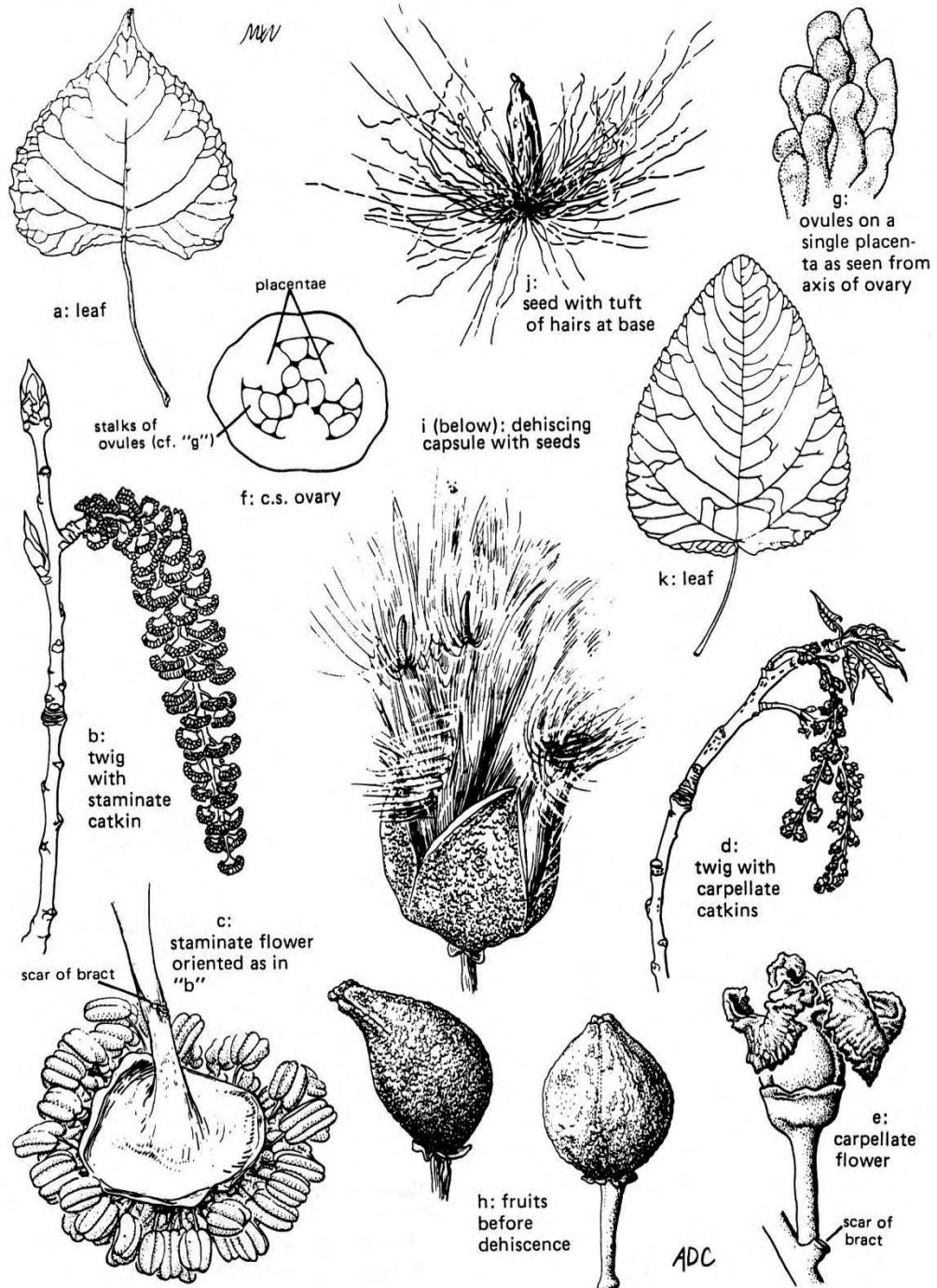
- Pinus strobiformis*
 1063-90, W, Mexico, 1990, 26-SE
 704-28, W, United States, 1928, 34-SE
 991-70, G, 1970, 31-SW, 35-NE
- Pinus strobus*
 1017-85, U, 1985, 36-NW
 107-43, G, 1943, 35-NE, 36-NW
 163-50, G, 1950, 31-SW
 25-2001, Z, United States, 2001, 31-NW
 264-47, G, 1947, 22-SE
 265-74, G, 1974, 26-SE
 313-63, W, United States, 1963, 31-NW
 537-41, G, 1940, 22-SE
 589-75, W, United States, 1975, 23-NW
 873-93, W, Canada, 1993, LG-PER-W
- Pinus strobus 'Alba'*
 267-65, G, 1965, 31-SW
- Pinus strobus 'Blue Shag'*
 209-2007, G, 2007, LG-PER-S
- Pinus strobus 'Brevifolia'*
 5334, G, 1905, 31-SW
- Pinus strobus 'Contorta'*
 788-52, G, 1952, 31-SW
 86-56, G, 1956, 35-NE
- Pinus strobus 'Fastigiata'*
 4013, G, 1897, 44-SE
 11354, G, 1920, 36-SW
 22788, G, 1947, 39-SE
 167-2002, G, 2002, LG-PER-W
 394-88, G, 1988, BR-16-SE, BR-17-SW
 426-2008, G, 2008, 27-NE, 28-NW
- Pinus strobus 'Ontario'*
 231-51, G, 1959, 31-NW
- Pinus strobus 'Pendula'*
 209-51, G, 1951, 36-NW
 85-56, G, 1956, DGB
- Pinus strobus 'Umbraculifera'*
 12466, G, 1931, 31-NW
- Pinus strobus 'White Mountain'*
 288-76, G, 1976, 36-NW
- Pinus sylvestris*
 16587, G, 1887, 35-NW, 36-SW
 22535, G, 1936, 36-NW
 22802, G, 1948, 31-SW
 1530-83, W, Norway, 1983, 51-SE, 59-SE
 308-85, W, Norway, 1985, 30-SE, 35-NE
 436-57, G, 1957, 36-NW
 438-57, U, 1957, 35-NE, 36-NW
 488-88, W, Czechoslovakia, 1988, 30-NW
 497-28, U, 1928, 30-SW
- Pinus sylvestris f. hamata*
 1292-61, W, Afghanistan, 1961, 30-SE
 224-93, Z, Afghanistan, 1993, 30-SW
 44-96, Z, Afghanistan, 1996, 44-SE
 947-26, U, 1926, 30-SW
- Pinus sylvestris 'Moseri'*
 1642-67, G, 1967, 30-SE
- Pinus sylvestris 'Watereri'*
 488-57, G, 1957, 31-NW, 36-NW
- Pinus sylvestris var. lapponica*
 16589, W, Finland, 1899, 30-NW, 30-SW
 89-58, Z, Finland, 1958, 44-SE
- Pinus sylvestris var. mongolica*
 1284-79, W, China, 1979, 59-NE
 652-93, W, China, 1993, 36-NW, 56-NW,
 56-SW
 996-79, U, 1976, 29-SE
- Pinus sylvestris var. sylvestriformis*
 401-97, W, China, 1997, 31-SW, 35-NE,
 36-SW
- Pinus tabuliformis*
 11372, W, China, 1918, 49-NE
 16576, W, China, 1909, 31-SW
 246-82, G, 1982, 27-SE
 289-64, W, China, 1964, 31-SW
 545-59, G, 1959, 31-SW
 739-83, Z, China, 1983, 54-SW

- Pinus tabuliformis* var. *densata*
467-80, W, China, 1980, 36-NW
- Pinus thunbergii*
11371, W, country unknown, 1919, 35-NE,
44-SE, 49-NW, 49-SW
16592, W, Japan, 1893, 49-SW
175-91, U, 1991, 44-SE
1767-77, W, Japan, 1977, 35-NE, 35-SE
294-92, Z, Japan, 1992, 35-NE, 36-SW
451-84, Z, country unknown, 1984, 35-NE
58-96, Z, Japan, 1996, 36-NW
960-85, W, Korea, Republic of, 1985, 36-NW
- Pinus torreyana*
98-85, W, United States, 1985, 26-NW
- Pinus uncinata*
240-2001, W, France, 2001, 31-NW
- Pinus virginiana*
1413, G, 1873, 35-NE
22533, G, 1936, 35-NE
- Pinus wallichiana*
163-86, U, United States, 1986, 53-SW
268-46, G, 1946, 34-SE
468-72, G, 1972, 35-NE
83-94, W, India, 1994, 1-SW, 26-SE
84-94, W, India, 1994, 30-SW, 49-NE
- Pistacia chinensis*
1073-79, G, 1979, 8-SW
501-2002, W, China, 2002, 8-SW
- Platanus × acerifolia*
16593, G, 1885, 13-SW
16594, G, 1894, 13-SW
16595, G, 1891, 13-SE
22167, G, 1932, 13-SE
336-39, G, 1939, 13-SW
516-37, G, 1937, 19-NW
- Platanus × acerifolia* 'Pyramidalis'
338-63, G, 1963, 13-SW
- Platanus × acerifolia* 'Suttneri'
1984-65, G, 1965, 19-NE
- Platanus occidentalis*
12111, G, 1918, 54-SW
22040, G, 1904, 13-NW, 13-SE
111-58, W, United States, 1958, 13-SW
1236-79, W, United States, 1980, 19-NE,
19-NW
1726-81, W, Canada, 1981, 13-SE, 38-SW
- Platanus orientalis*
735-79, G, 1979, 13-SW, 19-NW
- Platycarya strobilacea*
1747-77, W, Japan, 1977, 24-SE, 25-NE
1781-77, W, Korea, Republic of, 1977, 24-SE
- Platycladus orientalis*
155-83, U, 1983, 52-NE
18-99, W, China, 1999, 31-SW
618-95, Z, China, 1995, 31-SW
- Platycladus orientalis* 'Aurea Nana Raffels'
998-73, G, 1973, 31-SW
- Platycladus orientalis* 'Goodwin'
100-61, G, 1961, 36-NW
- Poliothyrsis sinensis*
1036-85, Z, China, 1985, EG-9
637-81, W, China, 1981, 33-NE
- Polygonatum multiflorum* 'Weihenstefan'
494-95, G, 1995, 1-SE
- Poncirus trifoliata*
1138-79, G, 1980, 7-SW
- Populus* 'Roxbury'
549-34, G, 1934, 55-NE
- Populus × canadensis* 'Aurea'
1093-85, U, 1985, 56-NW
- Populus deltoides*
448-94, W, Canada, 1994, 55-NE

RUTACEAE: Poncirus. a-j, P. trifoliata



SALICACEAE: *Populus*. a-j, *P. deltoides*; k, *P. heterophylla*

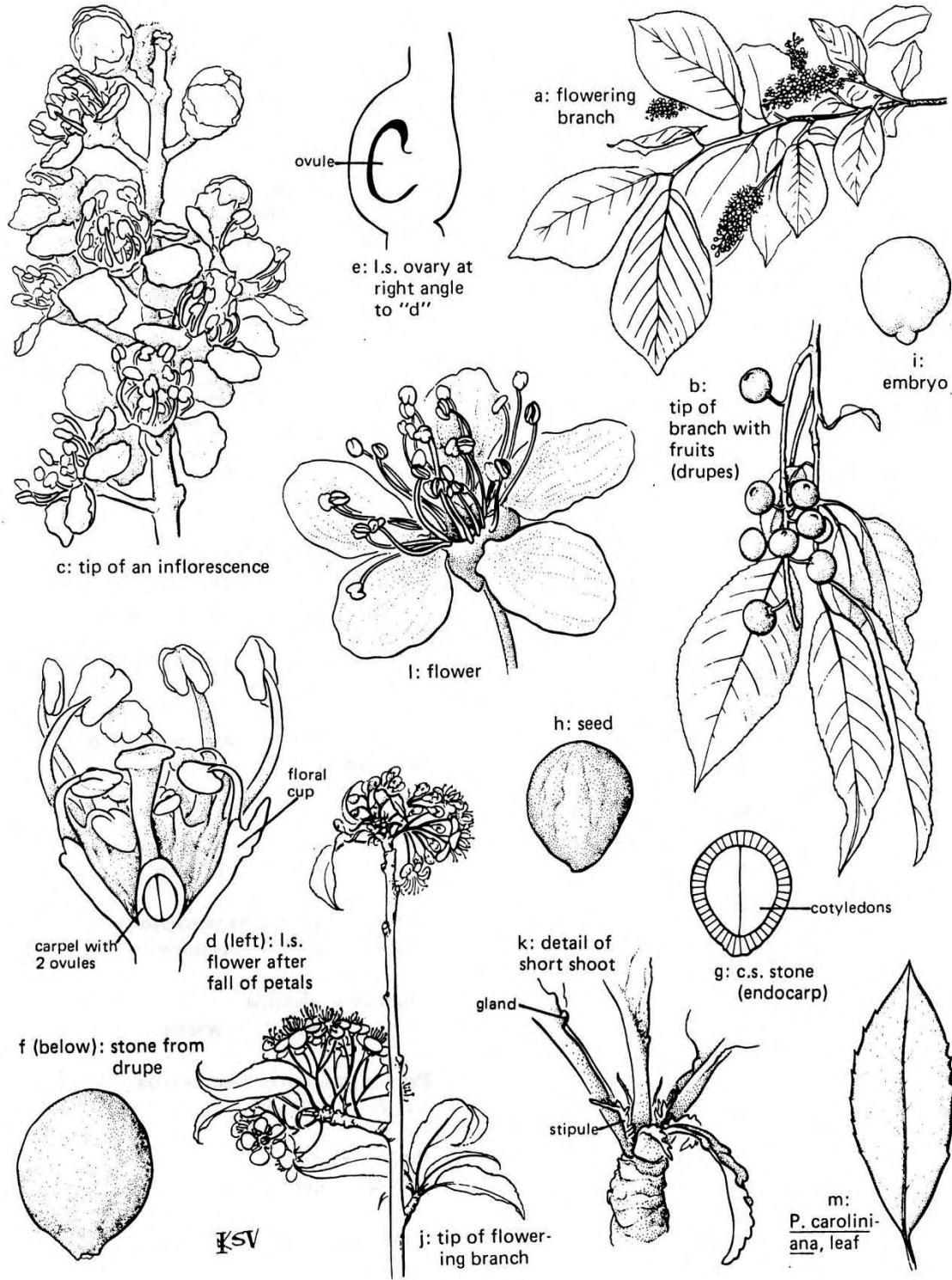


<i>Populus deltoides</i> ssp. <i>deltoides</i> 16611, W, Canada, 1895, 51-SE, 55-NE 22099, W, United States, 1911, 55-NE	<i>Potentilla fruticosa</i> 'Pumila' 1559-66, G, 1966, 31-NE
<i>Populus deltoides</i> ssp. <i>monilifera</i> 1007-84, G, 1984, 55-NE	<i>Potentilla fruticosa</i> var. <i>veitchii</i> 604-86, G, 1986, BR-1C
<i>Populus × generosa</i> 13274, G, 1923, 52-SE 194-80, Z, United States, 1980, 51-SE 393-2003, G, 2003, 55-NE	<i>Potentilla tridentata</i> 195-2007, G, 2007, LG-1C, LG-8C
<i>Populus koreana</i> 203-96, Z, China, 1996, 51-SE	<i>Prinsepia sinensis</i> 642-86, U, 1986, BR-13 749-88, U, 1988, BR-13
<i>Populus maximowiczii</i> 1160-80, G, 1980, 52-SW	<i>Prinsepia uniflora</i> 7188, W, China, 1911, 26-SE
<i>Populus tremula</i> 547-59, G, 1959, 59-SW	<i>Prunus</i> sp. 23210, G, 1967, 34-SW 296-88, Z, United States, 1988, BR-16-SE 516-94, U, 1994, 49-NW 700-2010, U, 2010, 51-NW
<i>Populus tremuloides</i> 'Kaibab' 102-97, G, 1997, 43-NE	<i>Prunus</i> 'Autumn Royal' 208-72, G, 1972, 49-SE
<i>Populus trichocarpa</i> 5-89, Z, United States, 1989, 51-SE, 55-NE 508-2007, Z, Canada, 2007, 55-NE	<i>Prunus</i> 'Hally Jolivette' 278-2007, G, 2007, BR-16-SE, EG-32-NE
<i>Populus ussuriensis</i> 281-92, W, China, 1992, 52-SW	<i>Prunus</i> 'Karl Sax' 57-2000, G, 2000, 49-NE, EG-26-SE
<i>Potentilla dickinsii</i> 110-2004, G, Japan, 2004, DGB	<i>Prunus</i> 'Okame' 109-2000, G, 2000, BR-16-SW
<i>Potentilla fruticosa</i> 390-97, W, China, 1997, LG-8A 772-93, W, Canada, 1993, BR-5	<i>Prunus alleghaniensis</i> 20-88, W, United States, 1988, BR-16-SE 431-67, U, 1967, 49-SE 963-88, W, United States, 1988, BR-16-SE
<i>Potentilla fruticosa</i> 'Abbotswood' 718-83, G, 1983, 22-SW	<i>Prunus alleghaniensis</i> var. <i>davisii</i> 398-85, Z, United States, 1985, BR-17-SW
<i>Potentilla fruticosa</i> 'Moonlight' 991-81, G, 1981, 22-NW	<i>Prunus apetala</i> 357-78, G, 1961, BR-22-NE 399-61, G, 1961, 49-NE, 49-SE
<i>Potentilla fruticosa</i> 'Primrose Beauty' 1256-81, G, 1981, 22-NW	

- Prunus armeniaca*
236-94, Z, Turkey, 1994, 26-NW
636-87, W, Turkey, 1987, 20-NW, 53-SE
- Prunus armeniaca* 'Mikado'
382-92, G, 1992, 49-NE
- Prunus armeniaca* var. *ansu*
7-76, U, 1976, 49-SE
- Prunus cerasifera*
501-64, U, 1964, 49-SE
975-82, W, Denmark, 1982, BR-22-NE
- Prunus cerasifera* 'Atropurpurea'
403-85, G, 1985, BR-22-NE
- Prunus cerasifera* 'Drupis Atrovilaceis'
418-67, G, 1967, 49-NE
859-27, G, 1927, 19-NE
- Prunus cerasifera* 'Kok-Sultan'
229-92, G, 1992, 49-NE, 49-SE
430-67, G, 1967, 49-NE
- Prunus cerasifera* var. *divaricata* × *spinosa*
886-84, U, 1984, BR-22-NE
- Prunus cerasifera* var. *divaricata*
283-60, U, 1960, 26-NW
- Prunus cyclamina*
602-79, G, 1979, EG-4
706-31, G, 1931, BR-22-NE
- Prunus depressa* 'Gus Mehlquist'
727-90, W, United States, 1990, DGB
- Prunus × fontanesiana*
23-2001, G, 2001, 49-SE
- Prunus glandulosa*
81-91, U, 1991, BR-22-NE
- Prunus grayana*
16694, W, Japan, 1915, BR-16-SE
1191-77, G, Japan, 1977, BR-16-SE
1698-77, W, Japan, 1977, BR-17-SW
- 1777-77, W, Japan, 1977, 26-NW, 59-NE
- Prunus × hillieri*
401-61, G, 1961, 49-SE
- Prunus hortulana*
226-94, Z, United States, 1994, 49-NE
- Prunus incisa* f. *serrata*
172-95, G, 1995, BR-15-SE
204-2004, G, 2004, 26-NW
- Prunus × juddii*
601-79, G, 1979, 21-SE
- Prunus kansuensis*
299-88, G, 1988, 45-SW
565-38, U, 1938, 26-NW
- Prunus lanata*
181-95, Z, United States, 1995, 49-SE
227-94, Z, United States, 1994, 26-NW
499-66, Z, United States, 1966, 49-SE
- Prunus lannesiana* var. *speciosa*
343-80, U, 1980, 20-SW
- Prunus laurocerasus* 'Otto Luyken'
355-2002, G, 2002, LG-8K
- Prunus laurocerasus* 'Schipkaensis'
889-72, U, 1972, 1-SE
- Prunus maackii*
100-2008, Z, China, 2008, BR-16-SE
315-2008, Z, China, 2008, BR-16-SE
340-97, W, China, 1997, 49-NE
388-61, W, China, 1961, 20-SW
- Prunus mahaleb*
1372-84, W, Czechoslovakia, 1984, 25-SW,
27-SW, 51-SW
301-94, W, Italy, 1994, 56-SW
355-94, W, France, 1994, 59-NE
- Prunus maritima*
240-32, W, United States, 1932, 26-NW

- 523-54, G, 1954, 26-NW
731-45, G, 1945, 26-NW
- Prunus maritima* 'Brier Sunshine'
298-96, Z, United States, 1996, BR-22-NE
- Prunus maritima* f. *flava*
262-92, W, United States, 1992, 49-NE
- Prunus maritima* var. *plena*
587-89, U, 1989, 49-NE
- Prunus maximowiczii*
16395, W, Japan, 1892, 53-SW
218-94, Z, Japan, 1994, BR-DAWSON-POND
- Prunus mume*
233-2002, G, 2002, BR-16-SE
- Prunus munsoniana*
183-95, G, 1995, 26-NW
434-67, G, 1967, 49-SE
- Prunus nigra*
107-78, W, Canada, 1978, 49-SE
1165-74, U, 1974, BR-DAWSON-POND
- Prunus nipponica*
272-89, G, 1989, BR-17-SW
293-87, G, 1987, BR-10
- Prunus × orthosepala*
76-91, U, 1991, 20-SW
- Prunus padus* var. *glaucia*
764-88, U, 1988, BR-16-SE
- Prunus pensylvanica*
322-2007, W, United States, 2007, 26-NW
BR-16-SE
- Prunus prostrata*
78-91, U, 1991, BR-14
- Prunus salicina*
137-2000, Z, China, 2000, 49-SE
667-97, W, China, 1997, 49-NE
- Prunus sargentii*
583-89, U, 1989, BR-DAWSON-POND
794-28, G, 1928, BR-22-NE
958-71, U, 1971, 3-NW
- Prunus sargentii* 'Columnaris'
160-42, G, 1942, BR-16-SE
36-47, G, 1947, 34-NE
931-51, G, 1951, BR-16-SW
- Prunus scopulorum*
297-88, G, 1988, 58-NW
- Prunus serotina*
15548, W, United States, 1923, 19-NE
1495-61, G, 1961, 49-SE
183-2008, W, United States, 26-SW
BR-16-SE
321-2011, U, 2011, 34-NE
354-2, G, 1895, BR-17-SW
81-2008, W, United States, 2008, 26-SW
BR-16-SE
- Prunus serotina* 'Cartilaginea'
1162-80, U, 1980, BR-22-NE
- Prunus serrulata* 'Jo-nioi'
444-56, G, 1956, 49-NE
- Prunus serrulata* 'Kwanzan'
831-67, U, 1967, 34-NW
- Prunus serrulata* 'Washi-no-o'
119-96, G, Japan, 1996, BR-16-SW
- Prunus serrulata* var. *lannesiana*
479-90, W, Japan, 1990, 19-SE
- Prunus serrulata* var. *sibirica*
657-61, G, 1961, 49-NE
- Prunus simonii*
27-2001, U, 2001, 51-NW
- Prunus sogdiana*
613-78, W, Kyrgyzstan, 1978, 49-NE

ROSACEAE subfamily AMYGDALOIDEAE: Prunus. a, *P. virginiana*; b-i, *P. serotina*; j-l, *P. pensylvanica*; m, *P. caroliniana*

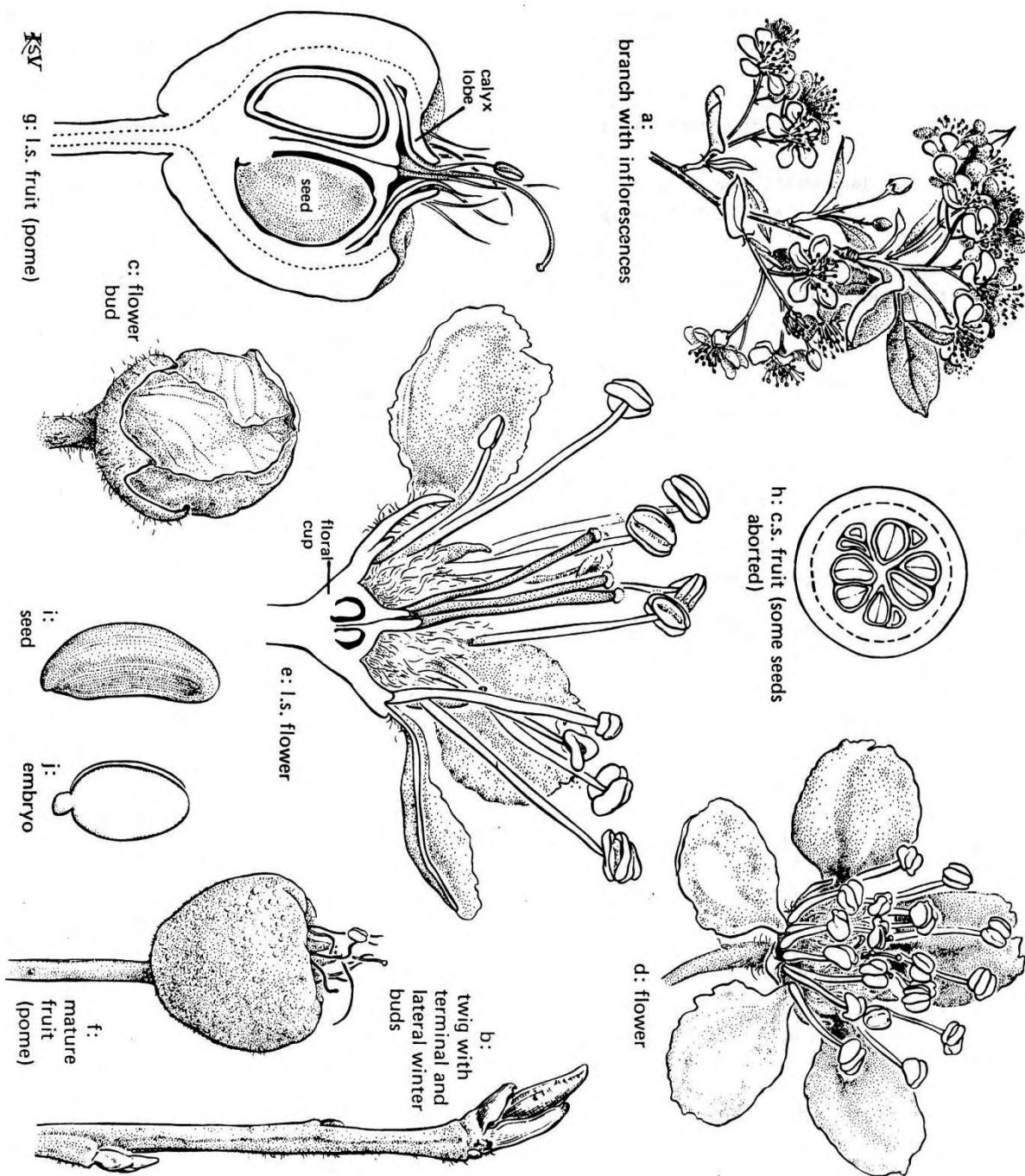


- Prunus spinosa*
 195-91, W, Belgium, 1991, 49-NE
 356-94, W, France, 1994, 49-NE
 645-2007, 2007, W, Ireland, BR-16-SE
- Prunus ssiori*
 1729-77, W, Japan, 1977, 19-NE
 256-2002, Z, Japan, 2002, 26-NW
- Prunus stepposa*
 182-95, Z, Ukraine, 1995, 53-NW
- Prunus subhirtella*
 889-37, G, 1937, LARZ
- Prunus subhirtella × yedoensis*
 293-88, U, 1988, BR-16-SE, BR-22-NE
 393-34, G, 1934, BR-16-SE
- Prunus subhirtella 'Pendula'*
 290-87, U, 1987, BR-22-NE
 319-90, G, 1990, BR-22-NE
- Prunus subhirtella 'Pendula Plena'*
 558-53, G, 1953, BR-16-SE
- Prunus subhirtella var. pendula*
 'Park Weeping'
 412-62, G, 1962, 49-NE
- Prunus subhirtella var. pendula*
 'Park Weeping'
 412-62, G, 1962, 49-NE
- Prunus tomentosa 'Leucocarpa'*
 21465, U, 1930, BR-16-SE
- Prunus virginiana*
 1162-74, U, 1974, 17-SW
 634-93, W, United States, 1993, 22-SW
- Prunus virginiana 'Schubert'*
 324-94, G, 1994, 17-SW
- Prunus × yedoensis*
 20321, G, 1927, 54-SW
 1140-80, U, 1980, BR-17-SW
 267-83, U, 1983, 50-NE, 63-NW
- Prunus × yedoensis 'Akebono'*
 212-49, G, 1949, 19-SE
 40-2005, G, 2005, 25-NE
- Prunus × yedoensis 'Shidare Yoshino'*
 22542, G, 1925, 25-SW
 32-96, G, 1996, 16-SW, BR-16-SE,
 BR-DAWSON-POND
- Pseudolarix amabilis*
 3656, U, 1891, 39-SE
 10764, U, 1921, 39-NE
 16779, G, 1896, 40-SW
 187-94, W, China, 1994, 40-SW, 58-SE, 62-NE
 534-61, G, 1961, 34-NE, 40-SW
 59-89, G, 1989, 38-NW, 40-SW, 58-SE, 62-NE
- Pseudotsuga menziesii*
 422-2011, U, 2011, 38-NE
- Pseudotsuga menziesii* var. *glauca*
 10600, U, 1920, 40-SE
 16780, W, United States, 1874, 34-SE, 34-SW
 16782, U, 1908, 33-NW
 23125, G, 1969, 40-NE, 40-SE
 1279-64, W, Canada, 1964, 40-SW
 1290-60, G, 1960, 40-SE
 1368-81, W, United States, 1981, 53-SW
 265-47, G, 1947, 22-SE
 329-87, U, United States, 1987, 40-NE
 623-89, W, Mexico, 1989, 40-SE, 44-SE
 697-39, U, 1939, 40-SE
 764-87, W, United States, 1987, 41-SE
- Pseudotsuga menziesii* var. *glauca* f. *caesia*
 935-59, U, 1959, 40-SE
- Pseudotsuga menziesii* var. *menziesii*
 447-89, W, United States, 1989, 34-SE
- Pseudotsuga menziesii* var. *menziesii*
 'Fastigiata'
 654-51, U, 1951, 40-SE

- Pseudotsuga menziesii* var. *menziesii* 'Pumila'
10947, U, 1919, 31-SW 567-87, U, 1987, BR-10
- Ptelea trifoliata*
146-94, W, United States, 1994, 11-NW
490-2010, W, United States, 2010, DGB
872-88, W, Canada, 1988, 11-NW
- Ptelea trifoliata* ssp. *angustifolia* var. *cognata*
171-59, W, United States, 1958, 2-NE
- Ptelea trifoliata* ssp. *trifoliata* 'Aurea'
384-44, U, 1944, 18-NE
525-45, U, 1945, 18-NE
- Ptelea trifoliata* ssp. *trifoliata* var. *trifoliata*
660-60, U, 1960, 19-NW
961-72, U, 1972, 7-NE
- Pterocarya* sp.
604-97, W, China, 1997, 24-NE, 24-SE
- Pterocarya hupehensis*
15390, W, China, 1920, 24-NE
- Pterocarya paliurus*
558-88, W, China, 1988, 18-SE
- Pterocarya × rehderiana*
1191, G, 1879, 24-NE
23119, G, 1959, 24-NE
- Pterocarya rhoifolia*
1786-77, W, Japan, 1977, 18-SE
1802-77, W, Japan, 1977, 57-NE
32-85, W, Japan, 1985, 55-NW
- Pterocarya stenoptera*
1652-80, W, China, 1980, 30-NW
473-80, W, China, 1980, 30-NW
- Pterostyrax hispida*
218-60, U, 1960, 25-SW
241-2008, W, Japan, 2008, 19-SW
843-76, U, 1976, 18-SE, EG-3
- Pyracantha coccinea* 'Lalandei'
1257-88, U, 1988, BR-1A 567-87, U, 1987, BR-10
- Pyracantha coccinea* 'Royal'
194-49, G, 1949, 24-NE
- Pyracantha coccinea* var. *lalandei* ×
Cotoneaster tomentosa
828-59, G, 1959, 24-NE
- Pyrus amygdaliformis* var. *persica*
723-81, U, 1981, 55-NE
- Pyrus balansae*
17483, U, 1912, 51-NE
524-94, U, 1994, 51-NW
- Pyrus betulifolia*
196-95, Z, China, 1995, 51-NE
453-68, U, 1968, 46-SE
963-37, G, 1937, 51-NE
- Pyrus bretschneideri*
437-64, Z, China, 1964, 51-NE
722-81, Z, China, 1981, 51-SE
785-62, Z, China, 1962, 47-SW
- Pyrus calleryana*
720-94, W, China, 1994, BR-16-NW
- Pyrus calleryana* 'Aristocrat'
475-72, G, 1972, 46-SE
- Pyrus calleryana* 'Bradford'
644-65, G, 1965, 51-NE
- Pyrus calleryana* 'Chanticleer'
371-70, G, 1970, 51-NE
514-68, G, 1968, 46-SE
- Pyrus calleryana* var. *dimorphophylla*
10793, W, Japan, 1918, 51-NE
103-72, Z, Japan, 1972, 17-SW
250-80, Z, Japan, 1980, 49-NE
392-85, Z, Japan, 1985, 50-NE
731-81, Z, Japan, 1981, 45-NW

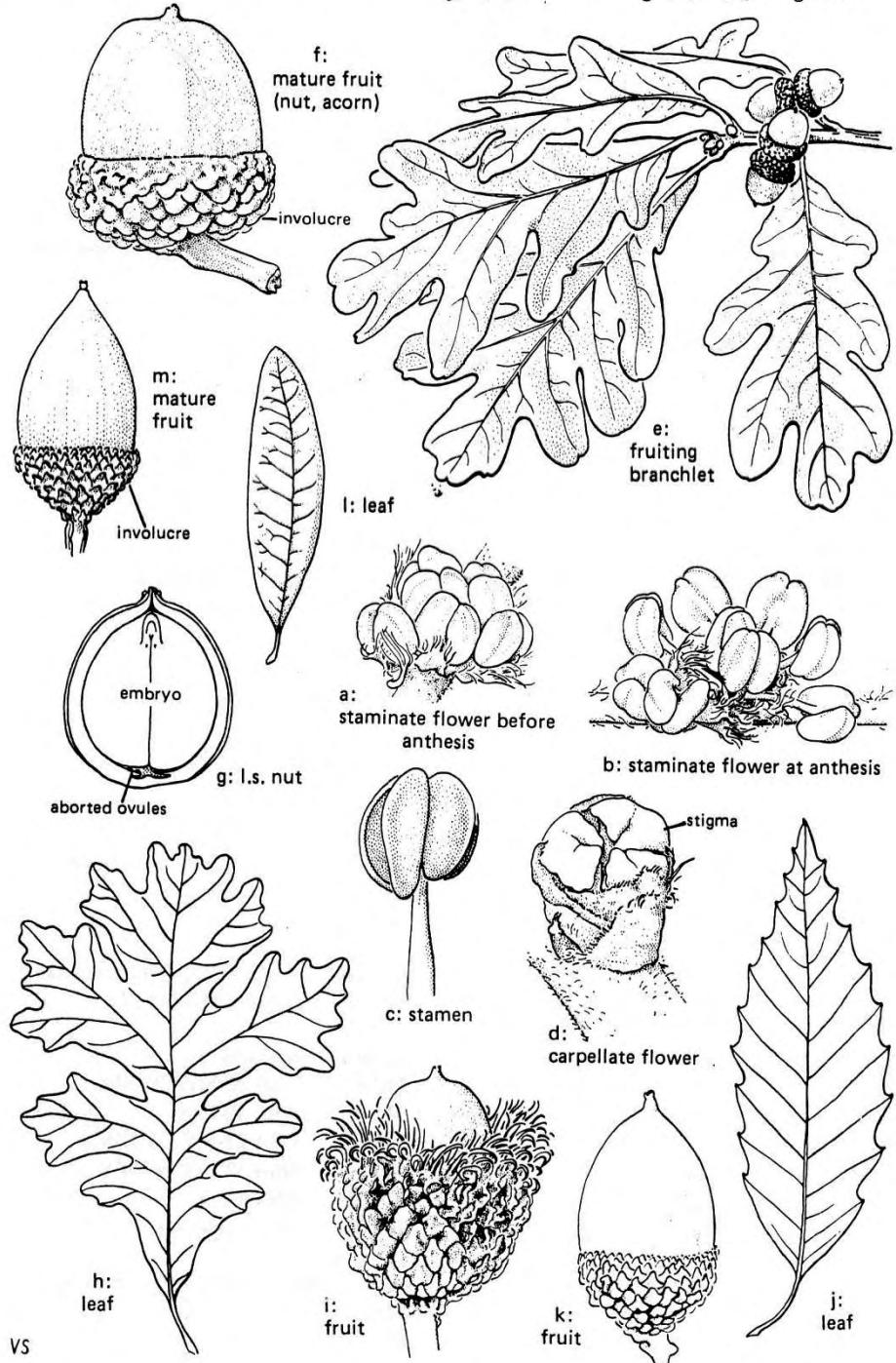
- Pyrus calleryana* var. *fauriei*
685-52, G, 1952, 51-NE
- Pyrus × canescens*
577-69, U, 1969, 46-SE
- Pyrus caucasica*
1243-72, U, 1972, 17-SW
1335-80, W, Russian Federation, 1980,
63-NW
1339-80, W, Russian Federation, 1980, 31-SW
- Pyrus communis*
450-68, U, 1968, 46-SE
17500, U, 1906, 51-NE
- Pyrus communis* var. *cordata*
1430-52, G, 1952, 47-SW
- Pyrus communis* var. *pyraster*
1048-64, Z, Hungary, 1964, 46-SE
186-98, Z, Hungary, 1998, 46-SE
388-85, Z, Macedonia, 1985, 50-SE
411-90, W, Hungary, 1990, 47-SW
543-72, W, Macedonia, 1972, 46-SE
632-89, W, Hungary, 1989, 51-NW
- Pyrus cossonii*
558-85, U, 1985, BR-10
567-51, U, 1950, 51-NE
- Pyrus elaeagrifolia*
687-55, Z, Romania, 1955, 47-SW
948-34, W, Romania, 1934, 51-NE
- Pyrus korshinskyi*
557-85, G, 1985, 55-SW, 58-NW
- Pyrus × lecontei*
22248, G, 1932, 51-NE
48-2007, G, 2007, 52-NW
- Pyrus nivalis*
627-59, U, 1959, 46-SE
- Pyrus phaeocarpa*
17501, U, 1913, 51-NE
- Pyrus phaeocarpa* f. *globosa*
1715-3, Z, China, 1915, 51-NE
248-80, Z, China, 1980, 23-NW
- Pyrus pyrifolia*
7272, W, China, 1908, 51-NE, EG-32-NE
10569, W, China, 1917, 53-NE
23064, G, 1954, 51-NE
387-85, Z, China, 1985, 49-NE
734-81, Z, China, 1981, 17-SW
- Pyrus pyrifolia* f. *stapfiana*
23189, W, China, 1908, 53-SE
252-80, Z, China, 1980, 23-NW, 49-SW
724-81, Z, China, 1981, 51-NW
- Pyrus salicifolia*
638-89, W, Armenia, 1989, 51-NE
1243-70, U, 1970, 46-SE
- Pyrus serrulata*
17502, W, China, 1908, 51-NE
725-81, Z, China, 1981, 59-NE
- Pyrus syriaca*
489-54, U, 1954, 47-SW
- Pyrus ussuriensis*
188-98, Z, Japan, 1998, 46-SE
302-2008, G, Russian Federation, 2008,
22-SW
312-2008, G, Russian Federation, 2008,
22-SW
391-85, Z, Japan, 1985, 33-NW
732-81, Z, Japan, 1981, 51-NW
788-84, W, Korea, Republic of, 1984, 33-NW
- Pyrus ussuriensis* 'Pin-li'
10857, G, Japan, 1919, 51-NE
119-91, G, Japan, 1991, 58-NW
144-72, G, Japan, 1972, 47-SW
- Pyrus ussuriensis* 'Shinchu'
356-44, G, 1944, 51-NE
- Pyrus ussuriensis* 'Shu-li'
10861, G, Japan, 1919, 54-SW
418-59, G, Japan, 1959, 51-NE

ROSACEAE subfamily MALOIDEAE: Pyrus subgenus Aronia. a-j, *P. arbutifolia*



- Pyrus ussuriensis* var. *hondoensis*
 11728, W, country unknown, 1919, 28-SW,
 51-NE
 17456, W, Japan, 1919, 51-NE
 15-97, Z, country unknown, 1997, 34-SW,
 51-NW
 195-95, Z, country unknown, 1995, 51-NE
 33-96, Z, country unknown, 1996, 51-NW
 726-81, Z, country unknown, 1981, 59-NE
 728-81, Z, Japan, 1981, 59-NE
 730-81, Z, Japan, 1981, 49-NE
- Quercus* sp.
 552-95, W, United States, 1995, 59-SW,
 62-NE
 660-32, U, 1932, 31-NE
- Quercus acerifolia*
 21804, W, United States, 1924, 58-SE
 344-89, W, United States, 1989, 32-NW
 630-91, W, United States, 1991, 31-NE
 631-91, W, United States, 1991, 32-NW
- Quercus acutissima*
 16877, W, Korea, Republic of, 1904, 32-SE
 1091-89, W, China, 1989, 51-SE
 1130-60, G, 1960, 52-SW
 1257-80, W, Japan, 1980, 45-SW
 397-86, W, Korea, Republic of, 1986, 63-NW
 860-67, G, 1967, 31-NE
- Quercus alba*
 10615, U, 1919, 25-NW
 18054, G, 1882, 19-SE, 19-SW, 25-NE, 25-NW
 20513, W, United States, 64-NE
 21815, U, 1931, 32-NW, 32-SW
 21816, U, 1931, 32-SW, 37-NE
 22886, U, 1950, 25-NW, 26-SW, 31-NE,
 32-SW
 1179-85, W, United States, 1985, 25-NE,
 25-NW
 1186-85, W, Canada, 1985, 25-NE, 25-NW
 213-2011, U, 2011, 31-SW
 214-2011, U, 2011, 31-SW
 216-2011, U, 2011, 31-SW
 217-2011, U, 2011, 31-SW
 222-2011, U, 2011, 31-SW
 225-2011, U, 2011, 31-NE
- 227-2011, U, 2011, 31-NE
 244-2011, U, 2011, 26-NE
 246-2011, U, 2011, 31-SE
 247-2011, U, 2011, 31-SE
 249-2011, U, 2011, 31-SE
 254-2011 - 256-2011, 31-SE
 286-2011, U, 2011, 37-SW
 290-2011, U, 2011, 36-SE
 297-97, G, 1997, 10-SE, 58-NE, 58-NW
 358-82, W, United States, 1982, 32-NW
 434-70, G, 1970, 15-NE
 503-2009, U, 2009, 15-NW
 505-2009, U, 2009, 11-SW
 507-2009, U, 2009, 11-SE
 512-2009 - 514-2009, U, 2009, 11-SE
 515-2009, U, 2009, 11-NE
 611-2010, U, 2010, 57-NE
 630-2008, U, 2008, 15-NE
 631-2008, U, 2008, 15-NE
 633-2008, U, 2008, 15-NE
 649-2008, U, 2008, 15-NE
 651-2008, U, 2008, 15-NE
- Quercus aliena*
 1117-82, W, Japan, 1982, 31-NE
 1728-80, W, China, 1980, 32-NW
 88-61, U, 1961, 33-SW
- Quercus aliena* × *serrata*
 1118-82, W, Japan, 1982, 15-NE
- Quercus aliena* var. *acutiserrata*
 16795, W, China, 1908, 33-SW
 18409, W, China, 1923, 58-SW
 298-2000, W, China, 2000, 25-NE
- Quercus aliena* var. *calvescens*
 16794, W, China, 1908, 33-SW
- Quercus arkansana*
 279-86, W, United States, 1986, 31-NE
 477-86, W, United States, 1986, 25-SW,
 32-NW
- Quercus* × *bebbiana*
 21817, W, United States, 1916, 25-SE
 100-2002, Z, United States, 2002, 62-SW

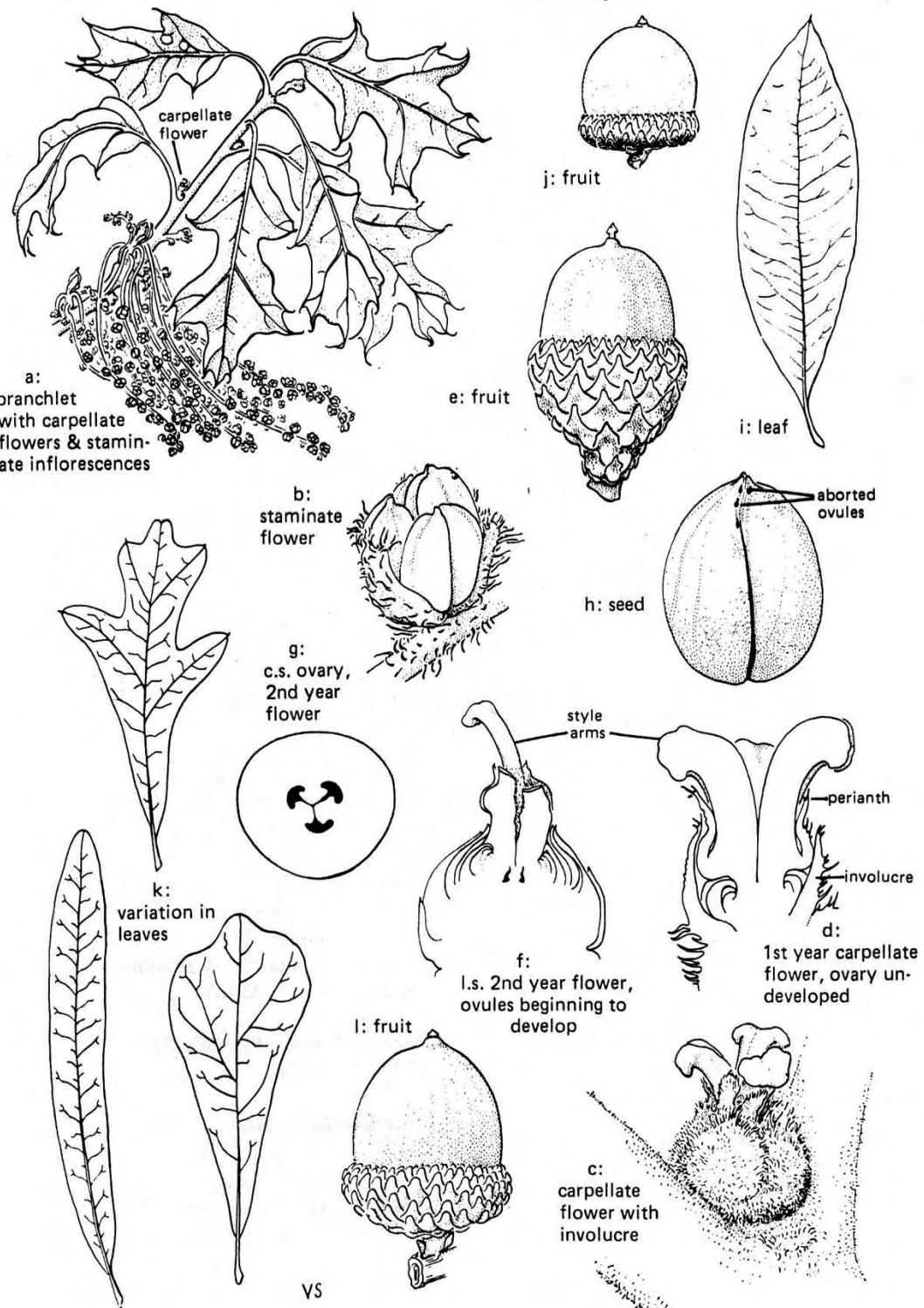
FAGACEAE: *Quercus* subgenus *Quercus*. a-d, *Q. prinus*; e-g, *Q. alba*; h, i, *Q. macrocarpa*; j, k, *Q. muehlenbergii*; l, m, *Q. virginiana*



VS

- Quercus × benderi*
900-37, G, 1937, 25-NW
- Quercus bicolor*
18051, G, 1882, 58-SW
19115, G, 1924, 58-SE, 62-NW
19133, G, 1908, 25-SE, 25-SW
22450, G, 1933, 25-SW
22887, G, 1950, 14-NW, 15-SE, 25-NW, 25-SE,
 25-SW, 26-NW, 31-NE
107-97, G, 1997, 63-NW
1185-85, W, Canada, 1985, 22-SW, 25-NW
287-97, G, 1997, 62-SE, 64-NE
479-86, W, United States, 1986, 25-NW,
 37-SE
517-2002, W, United States, 2002, 25-SW
- Quercus bicolor × prinus*
19198, U, 1935, 62-SE
19093-1, G, 1929, 25-SE
- Quercus × bimundorum*
22775, U, 1945, 57-NE
- Quercus castaneaefolia*
239-38, U, 1938, 25-SE
- Quercus cerris*
12137, U, 1911, 53-NW
16806, G, 1879, 32-SW
68-99, W, Italy, 1999, 25-NE
- Quercus cerris × acutissima*
22191, U, 1932, 26-SW
- Quercus 'Chimney Fire'*
469-2010, G, 2010, DGB
- Quercus coccinea*
7598, W, United States, 1916, 25-SE, 62-NW,
 62-SW
20517, W, United States, 1925, 64-NE
22661, G, 1940, 57-NE
104-98, G, 1998, 37-SW
105-97, G, 1997, 51-SE
189-2006, W, United States, 2006, 31-NE,
 47-SE, 52-NW
298-97, G, 1997, 15-NW, 58-NE, 58-NW,
- 62-NE, 62-SE
349-2001, G, 2001, 54-SW
401-94, W, United States, 1994, 1-SE
693-2010, U, 2010, 62-SW
- Quercus coccinea 'Splendens'*
519-37, G, 1937, 25-SE
560-61, G, 1961, 31-NE
- Quercus × deamii*
5962, G, 1908, 58-SW
7786, W, United States, 1916, 25-NE
34-99, Z, United States, 1999, 32-NW
- Quercus dentata*
16815, W, China, 1907, 33-SW
16816, W, China, 1891, 33-SW
1582-77, G, Korea, Republic of, 1977, 33-SW
1590-52, W, Japan, 1952, 33-SW
- Quercus dentata 'Pinnatifida'*
1379-67, U, 1967, 13-NE
- Quercus ellipsoidalis*
1169-85, W, United States, 1985, 32-SW
16808-1, G, 1898, 25-NE
316-89, W, Canada, 1989, 37-SE
- Quercus × exacta*
3673, U, 1889, 26-SW, 53-NW
815-31, G, 1931, 25-SE
- Quercus fabri*
636-81, W, China, 1981, 32-SW
- Quercus falcata*
3333, U, 1889, 52-SW
- Quercus falcata* var. *pagodaefolia*
655-88, W, United States, 1988, 31-NE
- Quercus falcata* var. *pagodaefolia* 'LaRue'
598-93, W, United States, 1993, 7-NE, 7-SW
- Quercus × fernowii*
1193-85, W, United States, 1985, 32-SW

FAGACEAE: Quercus subgenus Erythrobalanus. a-e, Q. ilicifolia; f-h, Q. rubra; i, j, Q. imbricata;
k, l, Q. nigra



- Quercus × filialis*
1510-25, W, United States, 1925, 25-SE
- Quercus frainetto*
16810, U, 1908, 32-SW
- Quercus gambelii*
21820, U, 1911, 32-NW
790-94, W, United States, 1994, 32-SW
- Quercus glandulifera*
3672, W, Japan, 1892, 33-SW
16823, W, Japan, 1892, 53-SW, 57-NE
16824, W, China, 1908, 33-SW
16826, W, China, 1908, 33-SW
1211-77, W, Japan, 1977, 50-NE
1264-80, W, Japan, 1980, 31-NW, 33-SW
419-82, Z, China, 1982, 32-SW
70-90, W, Korea, Republic of, 1990, 33-SW
763-81, Z, Japan, 1981, 33-SW
- Quercus glandulifera* var. *brevipetiolata*
1089-89, W, China, 1989, 33-SW
706-94, W, China, 1994, 32-SW
- Quercus × hillii*
21429, U, 1930, 25-SE
- Quercus imbricaria*
16833, U, 1887, 26-SW, 32-NW
21800, U, 1931, 58-SW
22890, G, 1950, 26-SW, 32-SE
- Quercus × jackiana*
7787, U, 1916, 25-NE
19932, W, United States, 1926, 25-NE
- Quercus laevis*
777-90, W, United States, 1990, 32-SW
- Quercus laurifolia*
657-88, W, United States, 1988, 62-NE
- Quercus × leana*
11685, W, United States, 1921, 58-SE
153-89, Z, United States, 1989, 33-SW
- Quercus liaotungensis*
15-95, W, China, 1995, 25-SW, 31-NE
- Quercus libani*
22-97, G, 1997, 62-SE
- Quercus 'Long'*
468-2010, G, 2010, DGB
- Quercus lyrata*
16840, U, 1882, 31-NE
22526, U, 1919, 58-SW
- Quercus macrocarpa*
16847, W, United States, 1880, 25-NE, 25-SE
16847-1, G, 1908, 62-SE
18052, U, 1882, 53-SW, 57-NE, 57-SE
22530, G, 1936, 25-NE
22891, G, 1950, 27-SW, 4-NE, 4-SE
279-2000, W, United States, 2000, 63-SW
281-2000, W, United States, 2000, 38-SW,
42-NE
305-90, W, United States, 1990, 25-SW
462-88, W, United States, 1988, 32-SW
482-86, W, United States, 1986, 32-SW
518-2002, W, United States, 2002, 52-NW
658-88, W, United States, 1988, 25-NE,
25-SW, 32-NW
690-2010, U, 2010, 62-NW
802-87, W, United States, 1987, 32-NW
803-87, W, United States, 1987, 25-NE
822-2008, U, 2008, 53-NW
- Quercus marilandica*
16849, W, United States, 1895, 51-NE
- Quercus × megaleia*
22768, U, United States, 1923, 58-NE
128-2006, U, 2006, 32-SW
- Quercus michauxii*
732-86, W, United States, 1986, 52-NW
- Quercus mongolica*
13256, W, China, 1922, 58-SW
20118, U, 1923, 33-SW
22892, U, 1950, 59-SW
629-95, W, China, 1995, 31-NE

- 89-96, W, China, 1996, 59-SW
- Quercus mongolica* var. *grosseserrata*
1207-77, W, Japan, 1977, 38-NE, 38-SE, 44-SE
- Quercus muehlenbergii*
16857, U, 1897, 31-NE
112-92, W, United States, 1992, 32-NW, 32-SW
1242-85, W, United States, 1985, 15-NE
341-89, W, United States, 1989, 32-NW
389-91, W, United States, 1991, 27-SW, 33-NW
691-86, W, United States, 1986, 38-NW
- Quercus muehlenbergii* var. *alexanderi*
16856, U, 1893, 31-NE
- Quercus × mutabilis*
22346, W, United States, 1924, 25-SE
- Quercus palustris*
16860, U, 1894, 57-NE
17162, G, 1882, 25-SE
17162-1, G, 1907, 58-SE
22893, G, 1950, 13-SE, 26-NW, 27-SE
1255-84, W, United States, 1984, 15-NE
650-2008, U, 2008, 15-NE
691-2010, U, 2010, 62-NW
696-2010, U, 2010, 62-SE
697-2010, U, 2010, 62-SE
698-2010, U, 2010, 62-NE
699-2010, U, 2010, 62-NE
804-87, W, United States, 1987, 33-NE
805-87, W, United States, 1987, 62-NE, 62-NW, 62-SE
816-39, G, 1939, 25-SE, 26-SW, 31-NW
- Quercus palustris* 'Pringreen'
320-2010, G, 2010, DGB
- Quercus petraea*
69-99, W, Austria, 1999, 31-NE, 32-NW
901-60, W, France, 1960, 32-SW
98-2002, Z, France, 2002, 32-SW
- Quercus petraea* 'Mespilifolia'
77-2004, G, 2004, 32-NW
- Quercus phellos*
21805, W, United States, 1923, 58-SE
183-80, W, United States, 1980, 25-SE
229-94, W, United States, 1994, 27-NE, 27-SE, 59-SW
490-86, W, United States, 1986, 32-SW
- Quercus × porteri*
1270, U, United States, 1877, 32-NW
- Quercus prinoides*
16865, W, United States, 1884, 31-NE, 32-SW
- Quercus primus*
16352, G, 1879, 25-SE, 31-NE
16355, U, 1876, 31-NE, 53-NW
22976, G, 1952, 13-NE, 53-NW, 53-SE, 53-SW, 57-NE, 57-SE
190-2006, W, United States, 2006, 31-NE, 47-NW
299-97, G, 1997, 54-SW, 58-NE
971-79, W, United States, 1979, 59-SW
- Quercus rehderi*
1248, U, 1874, 32-SW
1248-3, G, 1895, 32-SW
- Quercus × Robbinsii*
746-36, U, 1936, 25-NW
- Quercus robur*
22857, G, 1957, 53-NE
22894, G, 1950, 59-SW
269-88, W, Russian Federation, 1988, 27-SW
373-96, W, Turkey, 1996, 25-NE, 25-SE
- Quercus robur* 'Concordia'
470-2010, G, 2010, DGB
- Quercus robur* f. *fastigiata*
821-31, G, 1931, 31-NE
- Quercus robur* f. *heterophylla*
182-2003, G, 2003, 32-SW
- Quercus rubra*
5859, W, United States, 1908, 26-SW
8197, W, United States, 1916, 25-SE

- 11253, W, United States, 1917, 25-SE
 16798, U, 1882, 25-SE, 26-NW
 16799-1, G, 1917, 25-SE, 26-SW, 58-SW, 62-SE
 16882, W, United States, 1916, 32-NW
 20516, G, 1925, 58-NE, 62-SE
 21812, U, year unknown, 32-NW
 21818, U, year unknown, 53-NW, 53-SW,
 57-NE, 57-SE
 22888, U, year unknown, 26-NW, 26-SW
 103-97, G, 1997, 38-SE, 38-SW
 105-98, G, 1998, 37-SE, 37-SW
 140-2011, U, 2011, 34-NE
 1167-85, W, United States, 1985, 15-NW,
 33-SW
 1187-85, W, United States, 1985, 31-NE
 1192-85, W, United States, 1985, 25-SE
 1241-85, W, United States, 1985, BR-1A
 304-90, W, United States, 1990, 15-NE
 332-96, U, 1996, 11-SW
 335-96, W, United States, 1996, 37-SE, 42-NE,
 43-NW
 348-2010, U, 2010, 45-NW
 349-2010, U, 2010, 45-SE
 366-2011, U, 2011, 29-SE
 500-2009 - 504-2009, U, 2009, 11-SW
 602-2010, U, 2010, 54-SW
 692-2010, U, 2010, 62-NW
 694-2010, U, 2010, 62-SW
 695-2010, U, 2010, 62-SW
 810-2008, U, 2008, 53-SW
 812-2008, U, 2008, 53-SE
 813-2008, U, 2008, 53-SE
 817-2008, U, 2008, 53-SE
 818-2008, U, 2008, 53-SE
 819-2008, U, 2008, 53-SW
 821-2008, U, 2008, 53-SE
 823-2008, U, 2008, 53-NW
 828-2008, U, 2008, 33-NW
- Quercus × runcinata*
 11293, W, United States, 1921, 58-SW
 1887-1, G, 1885, 57-SE
 745-36, U, United States, 1936, 25-SE
 746-36, U, United States, 1936, 25-NW
 817-31, G, 1931, 62-NE
- Quercus × sargentii*
 5883, G, 1877, 21-SE, 27-NW, 27-SW
- Quercus × saulii*
 19200, U, 1940, 62-SE
- Quercus × schuettei*
 7782, U, 1916, 25-SE, 58-SW
 11028, U, 1921, 58-SW
 22701, U, 1941, 26-NW
 372-82, U, 1982, 33-SW
- Quercus shumardii*
 18402, W, United States, 1923, 58-SW
 1036-80, W, Canada, 1980, 15-NE
 491-86, W, United States, 1986, 32-SW
 661-88, W, United States, 1988, 25-NE
- Quercus shumardii* var. *schneckii*
 4039, U, 1897, 26-SW
 10630, U, 1917, 25-SE
 16883, U, United States, 1916, 32-NW
- Quercus stellata*
 18415, U, 1923, 58-SW
 165-99, W, United States, 1999, 32-NW
 492-86, W, United States, 1986, 31-NE
 742-86, W, United States, 1986, 32-NW
- Quercus texana*
 293-86, W, United States, 1986, 25-SE
- Quercus trojana*
 67-98, G, 1998, 32-SW
 454-64, U, 1964, 58-NW
- Quercus variabilis*
 3671, W, Japan, 1892, 33-SW
 16889, W, China, 1882, 32-SE
 17631, W, China, 1908, 33-SW
 18053, W, Korea, Republic of, 1905, 57-NE
 22977, G, 1952, 58-NW, 63-NW
 1581-77, W, Korea, Republic of, 1977, 15-SE
 753-94, W, China, 1994, 33-SW
 790-69, G, Japan, 1969, 33-SW
 945-58, U, 1958, 38-NW
- Quercus velutina*
 1237, U, 1873, 32-NE, 32-NW, 32-SW
 1887, U, 1883, 32-NW
 16114, G, 1922, 58-SW

- 16893, U, 1882, 25-SE, 26-SW, 32-NW, 32-SW
 21813, G, 1931, 32-NW
 21814, G, 1931, 32-NW
 22895, G, 1950, 26-NW, 27-SW, 59-SW
 23091, G, 1957, 31-SE
 23107, G, 1958, 62-NE
 23268, U, 1915, 25-SE
 191-2006, W, United States, 2006, 25-NE,
 32-NW, 47-SW
 240-2011, U, 2011, 26-NE
 243-2011, U, 2011, 26-NE
 253-2011, U, 2011, 31-SE
 257-2011, U, 2011, 31-SE
 367-2011, U, 2011, 30-NW
 494-86, W, United States, 1986, 31-NE
 532-2008, U, 2008, 4-NE
 534-2008, U, 2008, 4-NE
 886-88, W, United States, 1988, 32-NW
- Quercus velutina* 'Rubrifolia'
 516-41, U, 1941, 19-SW
- Quercus velutina* var. *missouriensis*
 5702, W, United States, 1907, 25-SE
 308-82, Z, United States, 1982, 15-NE
- Quercus × warei* 'Nadler'
 321-2010, G, 2010, DGB
- Rhamnus davurica*
 3025, U, 1893, 5-SW
- Rhamnus frangula* 'Asplenifolia'
 866-82, G, 1982, 31-NW
- Rhamnus hupehensis*
 1706-80, W, China, 1980, 34-NE
- Rhododendron* sp.
 1403-85, W, United States, 1985, 15-NW
 302-2010, U, 2010, 4-SE
 341-2009, U, 2009, 11-NW
 531-2009 - 534-2009, U, 2009, 11-SW
 805-86, W, United States, 1986, 8-SE, 8-SW
- Rhododendron* (undetermined hybrid)
 22783, G, 1908, 42-NE
 1146-89, G, 1989, 3-NE, 3-SE
- Rhododendron* variegated hybrid
 105-94, G, 1994, 37-SW
- Rhododendron* 'Adalbert'
 6140, G, 1908, 37-SE
- Rhododendron* 'Albert'
 6144, G, 1908, 37-SE
- Rhododendron* 'Albert Close'
 795-72, G, 1972, 37-SE
- Rhododendron* 'Album Elegans'
 6125, G, 1891, 37-SW
 22812, G, 1949, 37-SE
 23242, G, 1969, 37-SE
 299-69, W, Korea, Republic of, 1969, 14-NE
 626-72, G, 1972, 43-NE
 810-72, G, 1972, 43-NE
- Rhododendron* 'Album Grandiflorum'
 2805, G, 1886, 37-SW
 16926, G, 1911, 37-SW
 16927, G, 1916, 37-SW
 22810, G, 1911, 37-SE
 273-54, G, 1954, 42-NE
- Rhododendron* 'Album Splendidum'
 7351, G, 1915, 42-NE
 163-70, G, 1970, 43-NE
- Rhododendron* 'Alexander Dancer'
 196-70, G, 1970, 43-NE
- Rhododendron* 'Anah Kruschke'
 797-72, G, 1972, 43-NE
- Rhododendron* 'Arno'
 6149, G, 1908, 42-NE
- Rhododendron* 'Atrosanguineum'
 22617, G, 1896, 37-SW
- Rhododendron* 'Balta'
 178-96, G, 1996, 37-SE
 381-94, G, 1994, 37-SE

<i>Rhododendron 'Beaufort'</i> 800-72, G, 1972, 37-SE	<i>Rhododendron 'Caractacus'</i> 23130, G, 1958, 37-SW
<i>Rhododendron 'Bella'</i> 6148, G, 1908, 37-SE 1083-70, G, 1970, 43-NE	<i>Rhododendron 'Caroline'</i> 955-75, G, 1975, 37-SE 985-70, G, 1970, 43-NW
<i>Rhododendron 'Ben Moseley'</i> 546-56, G, 1956, 42-NW	<i>Rhododendron 'Caronella'</i> 430-2008, G, 2008, 38-SW 617-72, G, 1972, DGB
<i>Rhododendron 'Bicolor'</i> 23258, G, 1891, 37-SW	<i>Rhododendron 'Catalode'</i> 1011-70, G, 1970, 38-SW
<i>Rhododendron 'Blue Ensign'</i> 804-72, G, 1972, 53-NW	<i>Rhododendron 'Catawbiense Album'</i> 6003, U, 1910, 37-SW 16933, U, 1911, 37-SE, 37-SW 1049-78, U, 1978, 41-SE 321-94, G, 1994, 37-SE
<i>Rhododendron 'Blue Peter'</i> 310-74, G, 1974, 26-SW 777-55, G, 1955, 43-NW	<i>Rhododendron 'Catawbiense Boursault'</i> 1000-57, G, 1957, 37-SW, 43-NW 1180-56, G, 1956, 43-NW
<i>Rhododendron 'Boule de Neige'</i> 6159, G, 1908, 42-NE 145-70, G, 1970, 43-NE	<i>Rhododendron 'Charles Bagley'</i> 16937, G, 1911, 37-SW
<i>Rhododendron 'Bowbells' × <i>yakusimanum</i></i> 526-73, G, 1973, DGB	<i>Rhododendron 'Charles Dickens'</i> 308-74, G, 1974, 26-NE
<i>Rhododendron 'Brazil'</i> 1464-60, G, 1960, 36-SE 628-61, G, 1961, 8-NW	<i>Rhododendron 'Chatham'</i> 921-56, G, 1956, 37-SW
<i>Rhododendron 'Bronze Unique'</i> 19403, G, 1926, 32-SW	<i>Rhododendron 'Cheer'</i> 808-72, G, 1972, 43-NE
<i>Rhododendron 'Brookville'</i> 133-63, G, 1963, 14-NW 353-91, G, 1991, 37-SE 578-62, G, 1962, 42-NW	<i>Rhododendron 'Chionoides'</i> 382-94, G, 1994, 37-SE
<i>Rhododendron 'Brown Eyes'</i> 1042-59, G, 1959, 41-SE	<i>Rhododendron 'Christmas Cheer'</i> 233-54, G, 1954, 37-SE
<i>Rhododendron 'Cadis'</i> 1105-72, G, 1972, 38-SW	<i>Rhododendron 'Conemaugh'</i> 809-72, G, 1972, 37-SW
<i>Rhododendron 'Candidissimum'</i> 21-53, G, 1953, 42-NE	<i>Rhododendron (<i>bakeri</i> × <i>viscosum</i>) × 'Consul Pecher'</i> 837-59, G, 1959, 8-NW

- Rhododendron 'Copper Cloud'*
916-72, G, 1972, 15-NW
- Rhododendron 'Coral Velvet'*
690-73, G, 1973, DGB
- Rhododendron 'Coriaceum'*
22811, G, 1949, 37-SE
- Rhododendron 'Corringe'*
1017-73, G, 1973, 38-SW
- Rhododendron 'Cunningham's White'*
1100-70, G, 1970, 43-NE
- Rhododendron 'Cynthia'*
813-72, G, 1972, 43-NE
879-72, G, 1972, 43-NE
- Rhododendron 'Debutante'*
918-66, G, 1966, 36-SE
- Rhododendron 'Delicatissimum'*
6170, G, 1891, 37-SW
16941, G, 1917, 42-NE
- Rhododendron 'Dexter's Orchid'*
1381-61, G, 1961, 42-NE
- Rhododendron 'Dexter's Purple'*
570-75, G, 1975, 53-NW
- Rhododendron 'Dora Amateis'*
75-98, G, 1998, 37-SE
- Rhododendron 'Dorothy Russell'*
318-91, G, 1991, 37-SE
- Rhododendron 'Dr. H. C. Dresselhuys'*
23134, G, 1950, 37-SE
- Rhododendron 'Dr. V. H. Rutgers'*
818-72, G, 1972, 43-NE
- Rhododendron 'Duke of York'*
22616, G, 1921, 37-SE
22728, G, 1942, 42-NE
179-70, G, 1970, 53-NW
- Rhododendron 'Echse'*
6175, G, 1908, 37-SE
1090-70, G, 1970, 37-SE
- Rhododendron 'Edward S. Rand'*
319-91, G, 1991, 37-SE
- Rhododendron 'Elie'*
820-72, G, 1972, 43-NE
- Rhododendron 'Emasculum'*
822-72, G, 1972, 37-SE
- Rhododendron 'Embley Crimson'*
1230-65, G, 1965, 11-NW, 3-NE
545-65, G, 1965, 11-NW
- Rhododendron 'English Roseum'*
1342-60, G, 1960, 37-SW
575-62, G, 1962, 37-SW
887-60, G, 1960, 43-NW
- Rhododendron 'Eva'*
6180, G, 1908, 37-SW
- Rhododendron 'Everitt #15'*
541-56, G, 1956, 41-NW
- Rhododendron 'Everitt #17'*
542-56, G, 1956, 41-SW
- Rhododendron 'Fastuosum Flore Pleno'*
823-72, G, 1972, 53-NW
- Rhododendron 'Favorite'*
1185-53, G, 1953, 5-SW
- Rhododendron 'Francesca'*
1015-70, G, 1970, 43-NW, 43-SW
- Rhododendron 'Fundy'*
515-80, U, 1980, 37-SW
- Rhododendron 'Gallipoli'*
565-65, G, 1965, 15-NW

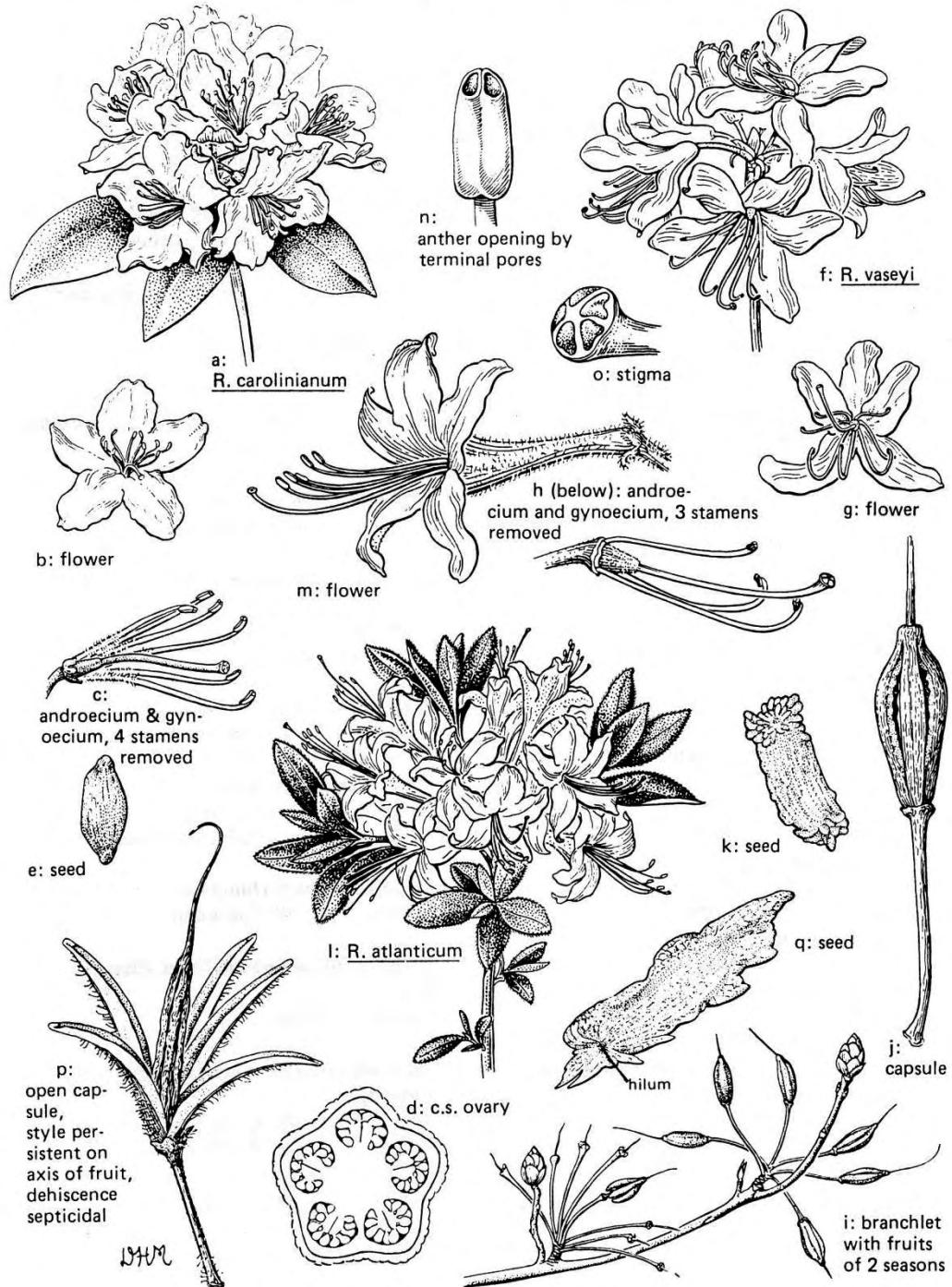
<i>Rhododendron 'Gog'</i> 1212-65, G, 1965, 3-SE	<i>Rhododendron 'Llenroc'</i> 302-74, G, 1974, 26-SE
<i>Rhododendron 'Goldfort'</i> 1048-78, G, 1978, 41-SW	<i>Rhododendron 'Luciferum'</i> 955-56, G, 1956, 37-SE
<i>Rhododendron 'Gomer Waterer'</i> 637-53, G, 1953, 42-NE	<i>Rhododendron 'Madame Carvalho'</i> 831-72, G, 1972, 37-SE
<i>Rhododendron 'Henry's Red'</i> 431-2008, G, 2008, 42-NE	<i>Rhododendron 'Mars' seedlings</i> 639-59, G, 1959, 42-NE
<i>Rhododendron 'Hino Crimson'</i> 305-74, G, 1974, 26-NW	<i>Rhododendron 'Meadowbrook'</i> 788-60, G, 1960, 37-SW 553-38, G, 1938, 5-SW
<i>Rhododendron 'J. J. Jennings'</i> 542-65, G, 1965, 36-SE	<i>Rhododendron 'Mello-Glo'</i> 128-92, G, 1992, 31-NE 553-38, G, 1938, 5-SW
<i>Rhododendron 'Janet Blair'</i> 757-73, G, 1973, 14-NW	<i>Rhododendron 'Melton'</i> 923-69, G, 1969, 37-SE
<i>Rhododendron 'King Tut'</i> 1166-64, G, 1964, 37-SE 829-72, G, 1972, 37-SE	<i>Rhododendron 'Minnie'</i> 795-60, G, 1960, 42-NE
<i>Rhododendron 'Klondyke'</i> 1234-65, G, 1965, 32-NW	<i>Rhododendron 'Molly Fordham'</i> 428-2008, G, 2008, 37-SW
<i>Rhododendron 'Lady Armstrong'</i> 170-92, G, 1992, 37-SE	<i>Rhododendron 'Mrs. A. T. de la Mare'</i> 839-72, G, 1972, 38-SW
<i>Rhododendron 'Lady Grey Egerton'</i> 549-55, G, 1955, 42-NE 970-56, G, 1956, 3-NE	<i>Rhododendron 'Mrs. Charles S. Sargent'</i> 16968, G, 1917, 37-SE
<i>Rhododendron 'Lady Roseberry'</i> 632-61, G, 1961, 8-NW	<i>Rhododendron 'Mrs. C. S. Sargent' ×</i> 'George Fraser' 896-72, G, 1972, 30-SE
<i>Rhododendron 'Landmark'</i> 432-2008, G, 2008, 43-NW	<i>Rhododendron 'Mrs. Harry Ingersoll'</i> 6202, G, 1891, 37-SE 1101-70, G, 1970, 37-SE
<i>Rhododendron 'Lee's Best Purple'</i> 630-72, G, 1972, 36-NE	<i>Rhododendron 'Mrs. P. D. Williams'</i> 800-60, G, 1960, 37-SE
<i>Rhododendron 'Lee's Dark Purple'</i> 575-64, G, 1964, 37-SE	<i>Rhododendron 'Mrs. P. den Ouden'</i> 1269-50, G, 1950, 43-NW

- Rhododendron* 'Mrs. Wm. R. Coe'
1385-61, G, 1961, 42-NE
- Rhododendron* 'Nancy Waterer'
1174-53, G, 1953, 38-NW
- Rhododendron* 'Nancy Waterer' sport
1521-52, G, 1952, 8-NE
- Rhododendron* 'Obtusum Arnoldianum'
20627, U, 1928, 38-NW
63-72, U, 1972, 5-SW
- Rhododendron* 'Old Port'
990-56, G, 1956, 38-SW
- Rhododendron* 'Olga Mezitt'
179-96, G, 1996, 37-SE
- Rhododendron* 'Orient'
1926-65, G, 1965, 8-NW
- Rhododendron* 'Our Best' × 'America'
856-59, G, 1957, 38-SW
- Rhododendron* 'P.J.M.' Group
278-74, G, 1974, 3-NW
- Rhododendron* 'P.J.M. Hybrids'
1057-55, G, 1955, 31-NE
405-62, G, 1962, 37-SE
476-58, G, 1958, 31-NE
- Rhododendron* 'Parsons Gloriosum'
631-72, G, 1972, 43-NW
847-72, G, 1972, 43-NW
913-54, G, 1954, 37-SW, 42-NE
- Rhododendron* 'Parsons Grandiflorum'
6137, G, 1891, 37-SW
291-49, G, 1949, 37-SE
- Rhododendron* 'President Lincoln'
1070-70, G, 1970, 37-SE
- Rhododendron* 'Prize'
849-72, G, 1972, 43-NE
- Rhododendron* 'Prometheus'
813-55, G, 1955, 43-NW
- Rhododendron* 'Purpureum Crispum'
796-60, G, 1960, 37-SW
- Rhododendron* 'Purpureum Elegans'
6135, G, 1891, 37-SE
17119, G, 1911, 37-SE
17120, G, 1917, 37-SW
637-90, G, 1990, 37-SE
- Rhododendron* 'Purpureum Grandiflorum'
2804, G, 1886, 37-SE, 37-SW
1088-70, G, 1970, 43-NW
1103-70, G, 1970, 43-NW
248-49, G, 1949, 42-NE
- Rhododendron* 'Ramapo'
851-72, G, 1972, DGB
- Rhododendron* 'Redhead'
329-91, G, 1991, 38-SW
- Rhododendron* 'Roseum Superbum'
7516, G, 1915, 37-SW
293-51, G, 1951, 37-SE
866-50, G, 1950, 37-SW
- Rhododendron* 'Roslyn'
989-56, G, 1956, 41-SW
- Rhododendron* 'Russell Harmon'
768-72, G, 1972, 37-SE
- Rhododendron* 'Sagamore Bayside'
1082-56, G, 1956, 42-NE
633-90, G, 1990, 43-NW
993-55, G, 1955, 41-SW
- Rhododendron* 'Salute'
331-91, G, 1991, 38-SW
- Rhododendron* 'Scintillation'
125-63, G, 1963, 38-SW
573-62, G, 1962, 42-NW
703-53, G, 1953, 42-NW

- Rhododendron 'Sekidera'*
10689, G, 1921, 41-NW
- Rhododendron 'Shrimp Pink Hybrids'*
300-74, G, 1974, 26-SE
- Rhododendron 'Skyglow'*
1253-38, G, 1938, 41-SW
- Rhododendron 'Souvenir of Anthony Waterer'*
332-91, G, 1991, 37-SE
- Rhododendron 'Spring Glory'*
858-72, G, 1972, 43-NE
- Rhododendron 'Sultana'*
7127, G, 1906, 37-SE
- Rhododendron 'Sweet Simplicity'*
155-70, G, 1970, 38-SW
- Rhododendron 'Tom Everett'*
924-56, G, 1956, 41-SW
- Rhododendron 'Toucan'*
189-72, G, 1971, 8-NW
- Rhododendron 'Vallya'*
303-74, G, 1974, 26-NE, 26-SE
- Rhododendron aff. 'Vallya'*
260-2010, U, 2010, 24-SW
- Rhododendron 'Viola'*
1184-57, G, 1957, 37-SW
- Rhododendron 'Waltham'*
282-2002, G, 2002, 26-SE, LG-1C, LG-6D
- Rhododendron 'Westbury'*
706-53, G, 1953, 41-NW
- Rhododendron 'Weston'*
577-64, G, 1964, 37-SW
765-58, G, 1958, 41-NW
768-73, G, 1973, 14-NW
- Rhododendron 'Weston's Crescendo'*
427-2008, G, 2008, 38-SW
- Rhododendron 'Wheatley'*
790-60, G, 1960, 37-SW
- Rhododendron 'White Gem'*
1369-60, G, 1960, 37-SW
508-60, G, 1960, 42-NE
- Rhododendron 'Windbeam'*
864-72, G, 1972, 37-SE
- Rhododendron 'Wyandanch Pink'*
568-75, G, 1975, 53-NW
- Rhododendron albrechtii*
241-68, U, 1968, DGB
26-98, W, Japan, 1998, 8-NW, 8-SW
- Rhododendron × anneliesae*
10767, G, 1921, 8-NW, 8-SW
- Rhododendron arborescens*
858, U, 1880, 32-SE
22803, U, 1948, 19-SW, 37-NW, 5-SW
107-2007, W, United States, 2007, 5-SW
464-81, W, United States, 1981, 11-SE,
15-NW, EG-3
469-81, W, United States, 1981, 11-SE,
15-NW
470-81, W, United States, 1981, 15-NW,
39-NE, EG-3
557-2009, U, 2009, BR-DAWSON-POND
- Rhododendron arborescens f. rubens*
641-62, G, 1962, 11-SE
642-62, G, 1962, 11-SE
695-50, U, 1950, 32-NW
907-66, U, 1966, 11-SE, 11-SW
908-66, U, 1966, 11-SW
- Rhododendron × arbifolium*
123-63, G, 1963, 31-NE
1542-52, G, 1952, 37-SE
- Rhododendron atlanticum*
108-2007, W, United States, 2007, 5-NW

- 1141-67, Z, United States, 1967, 5-NW
 1168-71, W, United States, 1971, 15-NW
- Rhododendron atlanticum* Choptank River Strain
 1527-77, W, United States, 1977, 15-NW
- Rhododendron atlanticum × calendulaceum*
 410-2002, G, 2002, 5-SW
- Rhododendron austrinum*
 343-96, Z, United States, 1996, 5-SW
- Rhododendron austrinum* 'Harrison's Red'
 512-2010, W, United States, 2010, DGB
- Rhododendron × bakeri*
 419-97, W, United States, 1997, 11-NW
- Rhododendron brachycarpum*
 367-91, W, Korea, Republic of, 1991, EG-2, EG-3
 368-91, W, Korea, Republic of, 1991, EG2, EG-3
- Rhododendron calendulaceum*
 857, U, 1876, 32-NE
 857-2, G, 1916, 32-SW
 15079, U, 1905, 4-SE
 17759, W, United States, 1919, 11-NW
 18142, U, 1925, 38-NW
 19483, U, 1925, 11-NW
 22688, G, 1941, 11-NW
 22692, G, 1941, 11-NW
 22804, G, year unknown, 11-NW, 8-SW
 23123, G, 1876, 11-NW
 109-2007, W, United States, 2007, 19-NE, 19-SE
 20-2000, W, United States, 2000, 11-NW
 202-96, G, 1996, LG-3H
 475-81, W, United States, 1981, 34-NE
 479-81, W, United States, 1981, 19-NE, 25-NW, EG-3
 521-82, U, 1982, 19-NW
 656-70, U, 1970, 11-NW
- Rhododendron calendulaceum*
 'Smoky Mountaineer'
- 22690, G, 1941, 11-NW
 557-58, G, 1958, 11-NW
 626-56, G, 1956, 11-NW
 879-67, G, 1967, 11-NW
 955-53, G, 1953, 11-NW, 25-NE
- Rhododendron calendulaceum × molle*
 10768, G, 1921, 32-SW
- Rhododendron calendulaceum* f. *aurantium*
 22736, G, 1942, 11-NW
 857-4, G, 1922, 11-NW
- Rhododendron calendulaceum* f. *croceum*
 17758-1, G, 1920, 11-NW
 17758-3, G, 1922, 11-NW
 631-54, G, 1954, 11-SW, 19-SW
- Rhododendron canadense*
 199-2006, G, 2006, LG-2D
 871-93, W, Canada, 1993, LG-2H
- Rhododendron canescens*
 1247-80, W, United States, 1980, 26-NW
 166-90, W, United States, 1990, EG-3
 468-81, W, United States, 1981, 11-SW
- Rhododendron canescens* 'Clyo Red'
 484-2010, W, United States, 2010, DGB
- Rhododendron capitatum*
 244-2003, W, China, 2003, 5-SW
- Rhododendron carolinianum × pubescens*
 956-63, G, 1963, 38-SW
- Rhododendron carolinianum × 'Cornell Pink'*
 9-91, G, 1991, 31-NE
 131-92, G, 1992, 31-NE
 845-59, G, 1959, 31-NE, 38-SW
- Rhododendron catawbiense*
 17605, G, 1924, 37-SW
 1032-57, U, 1957, 37-SE
 488-81, W, United States, 1981, 11-SW
- Rhododendron catawbiense* 'Catalgla'
 314-91, G, 1991, 37-SW

ERICACEAE: Rhododendron. a-e, R. carolinianum; f-k, R. vaseyi; l-q, R. atlanticum



- Rhododendron catawbiense* 'Grandiflorum'
22739, U, 1917, 37-SE
529-41, U, 1941, 37-SE
576-62, U, 1962, 37-SW
- Rhododendron catawbiense* (undetermined hybrid)
1071-70, G, 1970, 53-NW
- Rhododendron catawbiense* f. *compactum*
20198, U, 1926, 37-SE, 37-SW
- Rhododendron catawbiense* f. *insularis*
1244-80, U, 1980, 37-SE
- Rhododendron dauricum*
130-92, Z, Japan, 1992, 8-NW
1940-77, W, Japan, 1977, 32-SE
- Rhododendron decorum*
1051-78, U, 1978, 41-SW
- Rhododendron degronianum* ssp. *heptamerum*
497-73, W, Japan, 1973, EG-9
- Rhododendron degronianum* ssp. *heptamerum*
(undetermined hybrid)
15363, G, 1923, 37-SE
- Rhododendron degronianum* ssp. *heptamerum*
var. *hondoense*
714-81, U, 1981, 32-NE
715-81, U, 1981, 37-SE
- Rhododendron degronianum* ssp.
yakushimanum
1331-78, G, 1978, DGB
858-71, W, Japan, 1971, 34-SE, 39-NE
- Rhododendron degronianum* ssp.
yakushimanum 'Crete'
606-2003, G, 2003, LG-6A
- Rhododendron degronianum* ssp.
yakushimanum 'Mist Maiden'
1017-70, G, 1970, DGB
- Rhododendron degronianum* ssp.
yakushimanum 'Pink Parasol'
217-2003, G, 2003, LG-6D
- Rhododendron dilatatum* f. *leucanthum*
209-87, W, Japan, 1987, EG-3
- Rhododendron discolor*
105-85, W, China, 1985, EG-9
- Rhododendron fargesii*
1806-80, W, China, 1980, EG-9
- Rhododendron fortunei*
1075-89, G, China, 1989, EG-9
305-96, G, 1996, 42-NE
903-89, W, China, 1989, EG-9
- Rhododendron fortunei* 'Mrs. Charles Butler'
336-91, G, 1991, 37-SE
- Rhododendron fortunei* (undetermined hybrid)
20838, G, 1929, 41-NE, 41-SE, 41-SW
22934, G, 1929, 41-SE, 41-SW
8-91, G, 1991, 37-SE
9-91, G, 1991, 42-NE
12-53, G, 1953, 37-SE, 38-SW
1133-57, G, 1957, 41-SE
1347-50, G, 1950, 42-NW
1353-50, G, 1950, 42-NE
1376-60, G, 1960, 42-NW
1379-60, G, 1960, 42-NW
1427-60, G, 1960, 42-NE
250-49, G, 1949, 37-SW
525-56, G, 1956, 41-SW
560-56, G, 1956, 42-NW
561-56, G, 1956, 42-NW
609-53, G, 1953, 42-NW
620-54, G, 1954, 42-NW
692-53, G, 1953, 42-NW
694-53, G, 1953, 42-NW
784-55, G, 1955, 41-SE
912-56, G, 1956, 42-NW
972-57, G, 1957, 3-NE
977-55, G, 1955, 42-NW
993-56, G, 1956, 42-NW

<i>Rhododendron × fraseri</i> 269-2000, G, 2000, 5-SW	<i>Rhododendron × gandavense 'Lelia'</i> 572-58, G, 1958, 25-NW
<i>Rhododendron × gandavense 'Ariel'</i> 928-66, G, 1966, 36-SE	<i>Rhododendron × gandavense 'Madame Gustave Guillemot'</i> 7104, G, 1914, 32-SW
<i>Rhododendron × gandavense</i> 'Bijou des Amateurs' 17100, G, 1904, 8-NW	<i>Rhododendron × gandavense 'Narcissiflora'</i> 705-63, G, 1963, 15-NW 903-83, G, 1983, 15-NW, 1-SW
<i>Rhododendron × gandavense 'Charlemagne'</i> 7091, G, 1914, 38-NW	<i>Rhododendron × gandavense 'Oscar I'</i> 573-58, G, 1958, 38-NW
<i>Rhododendron × gandavense</i> 'Coccinea Grandiflora' 53-57, G, 1957, 33-SW	<i>Rhododendron × gandavense 'Pallas'</i> 7112, G, 1914, 32-SW 565-55, G, 1955, 25-SE
<i>Rhododendron × gandavense</i> 'Comte de Flandre' 17102, G, 1914, 8-NW	<i>Rhododendron × gandavense 'Raphael de Smet'</i> 19064, G, 1925, 32-SW 605-59, G, 1959, 32-SE
<i>Rhododendron × gandavense 'Cymodoce'</i> 17121, G, 1904, 8-NW, 8-SW	<i>Rhododendron × gandavense 'Reine des Rouges'</i> 623-61, G, 1961, 32-SW
<i>Rhododendron × gandavense 'Electa'</i> 1220-66, G, 1966, 36-SE	<i>Rhododendron × gandavense 'Unique'</i> 72-57, G, 1957, 5-SE, 8-NW
<i>Rhododendron × gandavense 'Gloria Mundi'</i> 10125, G, 1919, 32-SW	<i>Rhododendron × gandavense</i> (undetermined hybrid) 7358, G, 1913, 8-SW 7365, G, 1913, 38-NW 22629, G, 1939, 38-NW 22769, G, 1926, 31-NE 22913, G, 1950, 32-SE, 33-SW, 38-NW 51-57, G, 1957, 8-NW 615-62, G, 1962, 32-SW 631-90, G, 1990, 8-SW 635-90, G, 1990, 5-SE 636-90, G, 1990, 32-SE 639-90, G, 1990, 32-SW 695-54, G, 1954, 25-SW, 33-SW 74-57, G, 1957, 8-SW
<i>Rhododendron × gandavense</i> 'Heureuse Surprise' 7105, G, 1914, 8-NW 923-61, G, 1961, 32-SW	<i>Rhododendron × gladwynensis</i> 640-56, G, 1956, 8-NW 979-67, G, 1967, 8-NW
<i>Rhododendron × gandavense 'Ignacea'</i> 20419, G, 1927, 32-SW	
<i>Rhododendron × gandavense 'Julius Caesar'</i> 17109, G, 1904, 8-NW	

Rhododendron hippophaeoides
607-91, U, 1991, EG-9

Rhododendron japonicum ssp. *aureum*
260-2007, G, 2007, 5-SW

Rhododendron kaempferi
3697, W, Japan, 1892, 32-SE
19375, G, 1926, 15-NE
21294, U, 1930, 33-SW
10-89 G, 1989, 11-SE, 15-NE
1104-82, Z, Japan, 1982, 15-NE
127-2001, W, Japan, 2001, 15-NE
1436-63, U, 1963, 15-NE
172-2005, G, 2005, LG-3H
401-63, U, 1963, 15-NE
65-72, U, 1972, 15-NE
660-63, G, 1963, 15-NE
735-66, U, 1966, 15-NE
852-81, U, 1981, 15-NW, 38-NW

Rhododendron kiyosumense
171-2000, Z, Japan, 2000, 3-NW, 5-SW

Rhododendron × laetevirens
20951, G, 1929, 41-NW
125-2000, G, 2000, 26-SE, 26-SW
147-38, G, 1938, 37-SE
672-52, G, 1952, 37-SE

Rhododendron luteum (undetermined hybrid)
155-98, G, 1998, 5-SW

Rhododendron makinoi
1145-89, W, Japan, 1989, EG-9
218-92, U, 1992, EG-9

Rhododendron maximum
19446, G, 1926, 42-NE
23020, G, 1953, 38-SW
110-2007, W, United States, 2007, 38-SW,
42-NE
15-96, G, 1996, 37-SE
1803-81, W, United States, 1981, 42-NE
194-82, G, 1982, 41-NE

Rhododendron maximum 'Independence'
306-96, G, 1996, 37-SE

Rhododendron maximum × *discolor*
300-35, G, 1935, 37-SE

Rhododendron maximum × *haematodes*
1350-60, G, 1960, 38-SW
673-60, G, 1960, 38-NW

Rhododendron maximum f. *album*
23021, G, 1953, 38-SW

Rhododendron metternichii var. *pentamerum*
839-77, W, Japan, 1977, EG-9

Rhododendron micranthum
6815, W, China, 1908, EG-15
6815-1, G, 1924, 31-NE

Rhododendron minus
1395-85, W, United States, 1985, 37-SE
1522-82, W, United States, 1982, 39-SE
24-2000, W, United States, 2000, 44-NE,
5-SW, LG-6D

Rhododendron minus var. *chapmanii*
1526-82, W, United States, 1982, DGB

Rhododendron minus var. *minus*
15387, W, United States, 1918, 37-SW
19973, W, United States, 1919, 37-SE
20944, U, 1929, 31-NE
21036, U, 1930, 38-SW
1519-82, W, United States, 1982, 44-SE
1523-82, W, United States, 1982, 47-SW
1525-82, W, United States, 1982, 37-SE
277-74, U, 1974, 26-SW
483-81, W, United States, 1981, 34-NE
899-69, Z, United States, 1969, DGB

Rhododendron × mixtum 'Norma'
142-44, G, 1944, 5-SW
791-90, G, 1990, 25-NW

Rhododendron molle ssp. *japonicum*
28-98, W, Japan, 1998, 5-SW

Rhododendron mucronulatum
197-2000, Z, Korea, Republic of, 2000, 5-NW
271-74, U, 1974, 26-NE

- 32-72, W, Korea, Republic of, 1972, 18-SE
 33-72, W, Korea, Republic of, 1972, 11-SW
 86-77, W, Korea, Republic of, 1977, DGB
 968-85, W, Korea, Republic of, 1985, EG-9
- Rhododendron mucronulatum* 'Cornell Pink'
 354-2003, G, 2003, LG-8I
- Rhododendron × myrtifolium*
 8-79, U, 1979, 37-SE
 301-74, G, 1974, 26-SW
- Rhododendron oblongifolium*
 18907, W, United States, 1922, 31-NE
 1110-86, W, United States, 1986, 15-NW
- Rhododendron obtusum* var. *kaempferi* ×
yedoense var. *poukhanense*
 1221-64, G, 1964, 5-SW
- Rhododendron occidentale* × *calendulaceum*
 21743, G, 1914, 32-SE
- Rhododendron periclymenoides*
 3237, G, 1888, 5-SW, EG-3
 111-2007, W, United States, 2007, 5-SW
 462-70, U, 1970, BR-DAWSON-POND
- Rhododendron praevernum*
 1248-63, G, 1963, 42-NE
 220-92, U, 1992, EG-9
 958-87, G, 1987, EG-9
- Rhododendron prinophyllum*
 860, U, 1879, 5-SW, EG-3
 1142-89, G, 1989, BR-DAWSON-POND
 508-70, U, 1970, EG-3
- Rhododendron prunifolium*
 116-98, W, United States, 1998, LG-2D
 1446-85, W, United States, 1985, 15-NW
 1450-85, W, United States, 1985, 15-NW
 1452-85, W, United States, 1985, 15-NW
 1453-85, W, United States, 1985, 15-NW
 505-2010, W, United States, 2010, DGB
 656-49, U, 1949, 11-SW
 702-50, U, 1950, 32-NW
 759-63, U, 1963, 19-SE
- 790-61, U, 1961, 15-NW, 25-NE
 815-90, W, United States, 1990, 15-NW
- Rhododendron reticulatum*
 207-87, W, Japan, 1987, EG-3
 716-81, W, Japan, 1981, DGB
- Rhododendron russatini*
 210-91, U, 1991, 37-SE
- Rhododendron sanctum*
 199-87, W, Japan, 1987, EG-2
- Rhododendron schlippenbachii*
 7258, W, Korea, Republic of, 1905, EG-3
 13432, W, Korea, Republic of, 1918, EG-3
 1861-80, U, 1980, 37-NW, EG-8
 465-70, U, 1970, EG-2
 507-77, W, Korea, Republic of, 1977,
 BR-DAWSON-POND
- Rhododendron sichotense*
 27-2002, W, Russian Federation, 2002, 3-NW,
 8-NW, DGB
- Rhododendron smirnowii*
 23243, U, 1949, 42-NE
 1155-51, U, 1951, 37-SE
 1263-52, U, 1952, 37-SE
 15313-1, G, 1923, 37-SE
 309-74, U, 1974, 26-SW
- Rhododendron smirnowii* (undetermined hybrid)
 22730, G, 1917, 37-SE
 1519-52, G, 1952, 37-SE
 167-70, G, 1970, 38-SW
- Rhododendron smirnowii* × *degronianum* ssp.
yakushimanum
 1179-84, G, 1984, 37-SE
- Rhododendron traillianum*
 864-85, W, country unknown, 1985, EG-9
- Rhododendron trichostomum* var. *ledoides*
 816-60, U, 1960, 38-NW

- Rhododendron vaseyi*
- 10704, W, United States, 1921, 15-SE
 20953, U, 1929, 11-SW
 1355-85, W, United States, 1985, 26-SW,
 EG-1, EG-3
 1364-85, W, United States, 1985, EG-3
 1432-85, W, United States, 1985, 26-SW,
 LG-1F, EG-1, EG-3
 1433-85, W, United States, 1985,
 BR-DAWSON-POND
 1434-85, W, United States, 1985, EG-1
 EG-3
 1435-85, W, United States, 1985, EG-3
 1436-85, W, United States, 1985, EG-1,
 LG-PER-N
 1437-85, W, United States, 1985, EG-3
 1438-85, W, United States, 1985, EG-1,
 EG-3
 272-74, U, 1974, 26-NE
 36-87, W, United States, 1987,
 BR-DAWSON-POND
 460-70, U, 1970, BR-DAWSON-POND
 494-81, W, United States, 1981, 11-SW
 497-2010, W, United States, 2010, DGB
 498-81, W, United States, 1981, 11-SW
 599-89, W, United States, 1989,
 BR-DAWSON-POND
 657-70, U, 1970, 11-SW, 15-SE
 811-66, U, 1966, 15-NW
- Rhododendron aff. vernicosum*
- 338-91, Z, China, 1991, 38-SW
- Rhododendron viscosum*
- 859, W, United States, 1879, 5-SW,
 EG-5
 21309, U, 1930, 11-SW
 1048-85, U, 1985, 3-NE
 1097-80, W, United States, 1980, 59-SW
 112-2007, W, United States, 2007, 5-SW
 284-2007, W, United States, 2007, 5-SW
 500-81, W, United States, 1981, 11-SW
 585-55, Z, United States, 1955, 11-SW,
 15-NW, 3-NE, 3-SE
- Rhododendron viscosum* (undetermined hybrid)
- 139-98, G, 1998, 37-NW
- Rhododendron viscosum* f. *rhodanthum*
- 638-62, U, 1962, 5-SW
- Rhododendron wadanum*
- 200-87, W, Japan, 1987, EG-9
- Rhododendron × watereri*
- 5905, G, 1909, 37-SE
 21747, G, 1909, 37-SE
 1068-53, G, 1953, 42-NE
 1080-70, G, 1970, 37-SE
 1089-70, G, 1970, 31-SE
 1157-57, G, 1957, 42-NE
- Rhododendron weyrichii*
- 565-90, G, 1990, EG-9
- Rhododendron yedoense* var. *poukhanense*
- 20543, U, 1928, 3-SW
 1383-82, W, Korea, Republic of, 1982, EG-9
 1419-67, G, 1967, DGB
 301-2002, W, Korea, Republic of, 2002, 3-SW
 385-41, G, 1941, 26-SE
 654-70, U, 1970, 3-SW
 71-72, U, 1972, EG-9
 793-84, W, Korea, Republic of, 1984, EG-3
 884-61, U, 1961, 3-SW
- Rhodotypos scandens*
- 396-2007, Z, Korea, Republic of, 2007,
 17-SW
 680-79, U, 1979, 23-NW
- Rhus aromatica*
- 271-4, G, 1891, 8-SW
 359-84, W, Canada, 1984, 45-SW
 441-86, W, United States, 1986, 39-SE
 557-2003, W, United States, 2003, LG-7B
- Rhus aromatica* 'Gro-low'
- 208-2008, G, 2008, LG-PER-W
 422-85, G, 1985, 8-SW
- Rhus aromatica* var. *serotina*
- 20978, U, 1929, 26-SW
- Rhus aromatica* var. *trilobata*
- 1376-65, U, 1965, WH3-SE

- Rhus chinensis*
 111-52, W, Japan, 1952, 26-SW
 399-86, W, Korea, Republic of, 1986, 45-SW
 475-80, W, China, 1980, 8-SW
- Rhus chinensis* 'September Beauty'
 929-89, U, 1989, 59-NW
- Rhus copallina*
 1287-81, W, United States, 1981, 39-NE
 288-97, G, 1997, 54-SW
- Rhus coriaria*
 332-2008, W, Israel, 2008, 11-NW, 54-SW
- Rhus glabra*
 289-97, G, 1997, 54-SW
 295-86, W, United States, 1986, 45-SW
 62-97, Z, United States, 1997, 54-NW
 922-73, U, 1973, 36-SW
- Rhus potaninii*
 11300, U, 1920, 26-SW
 734-74, U, 1974, 26-SW
- Rhus sylvestris*
 98-71, U, 1971, 26-SW
- Rhus typhina*
 16990, W, United States, 1884, 26-SW
 290-97, G, 1997, 54-SW
 606-2008, W, United States, 2008, 8-SW,
 54-SW, WH1-SE
 84-2008, W, United States, 2008, 8-SW,
 62-SW
- Ribes alpinum*
 1258-84, W, Sweden, 1984, 21-SE
 1456-80, W, Russian Federation, 1980,
 62-NW
 603-86, Z, Estonia, 1986, 52-NW
 678-80, U, 1980, 15-NE
- Ribes alpinum* 'Pumilum'
 1129-83, U, 1983, 51-SE
- Ribes alpinum* 'Verno-aureum'
 841-70, G, 1970, 15-SW
- Ribes aureum*
 1119-83, Z, United States, 1983, 21-SE
 460-81, W, United States, 1981, 31-NE
- Ribes echinellum*
 234-96, Z, United States, 1996, 15-SW
- Ribes fasciculatum*
 183-83, W, China, 1983, 12-SW
- Ribes fasciculatum* var. *chinense*
 1373-73, W, Korea, Republic of, 1973, 15-SW
 1879-77, G, Korea, Republic of, 1977, 15-SW
 613-88, W, Korea, Republic of, 1988, 21-SE
 680-80, Z, Japan, 1980, 51-SE
- Ribes giraldii*
 609-74, U, 1974, 15-SW
- Ribes glaciale*
 614-74, U, 1974, 15-SW
- Ribes hirtellum*
 829-93, W, Canada, 1993, 15-SW
- Ribes lacustre*
 526-94, Z, United States, 1994, 15-SW
- Ribes mandshuricum*
 67-97, W, China, 1997, 15-SW
- Ribes maximowiczianum*
 312-97, W, China, 1997, 15-SW
- Ribes odoratum*
 1192-74, U, 1974, 32-SE
- Ribes triste*
 407-94, W, Korea, Republic of, 1994, 21-SE
- Ribes uva-crispa*
 370-93, W, Italy, 1993, 15-SW
 520-94, Z, Russian Federation, 1994, 15-SW
- Robinia* sp.
 171-88, W, United States, 1988, 51-SE

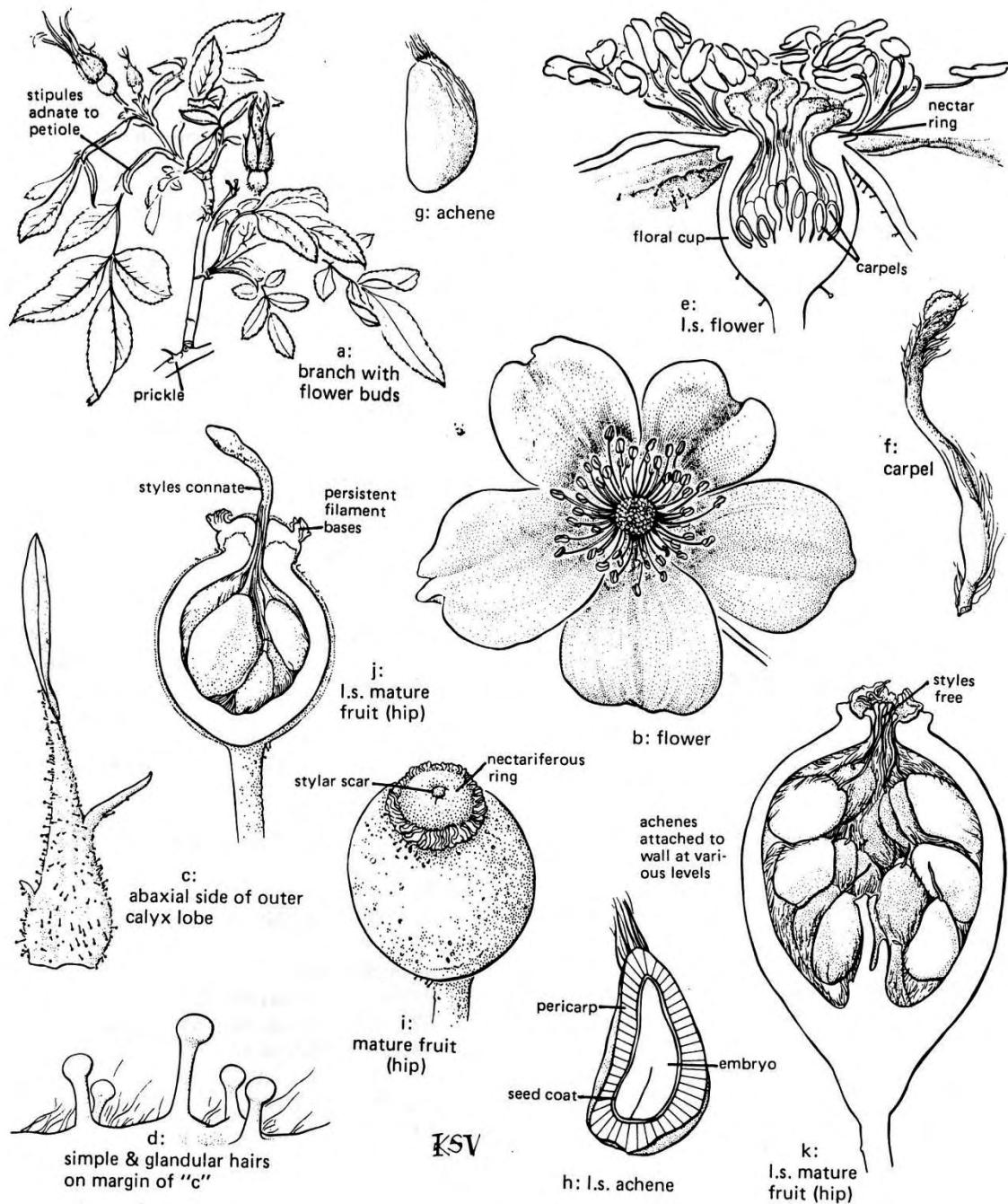
<i>Robinia × holdtii 'Britzensis'</i> 683-72, G, 1972, 23-NW	<i>Rodgersia aesculifolia</i> 392-95, W, China, 1995, 3-NW
<i>Robinia pseudoacacia</i> 15561, U, 1921, 15-NW 19615, W, United States, 1925, 15-NW 22838, G, 1950, 15-NW 23173, G, 1963, 15-NW 1377-51, G, 1952, 15-NW 193-56, G, 1956, 15-SW 321-48, G, 1948, 15-NW 365-2011, U, 2011, 29-SE 390-37, U, 1937, 15-SW 668-2010, U, 2010, 57-SE	<i>Rosa 'AUSblush'</i> 71-2011, G, 2011, BR-6
<i>Robinia pseudoacacia 'Aurea'</i> 618-66, G, 1966, 15-SW	<i>Rosa 'AUSbord'</i> 70-2011, G, 2011, BR-6
<i>Robinia pseudoacacia 'Bessoniana'</i> 284-50, G, 1950, 15-NW 365-88, G, 1988, 51-SE	<i>Rosa 'AUSmas'</i> 710-2010, G, 2010, BR-2
<i>Robinia pseudoacacia 'Burgundy'</i> 450-65, G, 1965, 15-SW	<i>Rosa 'Baron Girod de L'Ain'</i> 705-2010, G, 2010, BR-5
<i>Robinia pseudoacacia 'Cylindrica'</i> 371-88, G, 1988, 45-SW 482-52, G, 1952, 15-NW	<i>Rosa 'Betty Prior'</i> 1086-79, G, 1979, 22-NE 706-2010, G, 2010, BR-2
<i>Robinia pseudoacacia 'Frisia'</i> 361-88, G, 1988, 45-SW	<i>Rosa 'Bucbi'</i> 407-97, G, 1997, 22-NW, 22-NW 707-2010, G, 2010, 22-NW, BR-4
<i>Robinia pseudoacacia 'Monophylla Pendula'</i> 1378-51, G, 1951, 15-NW 372-88, G, 1988, 45-SW	<i>Rosa 'Carmenetta'</i> 1500-83, G, 1983, BR-4
<i>Robinia pseudoacacia 'Rectissima'</i> 196-56, G, 1956, 15-NW	<i>Rosa 'Cecil Brunner'</i> 708-2010, G, 2010, BR-2
<i>Robinia pseudoacacia 'Semperflorens'</i> 309-56, G, 1956, 15-NW	<i>Rosa 'Chrysler Imperial'</i> 75-2011, G, 2011, BR-4
<i>Robinia × slavinii</i> 116-45, G, 1945, 15-NW	<i>Rosa 'Chuckles'</i> 67-2011, G, 2011, BR-4 920-83, G, 1983, 22-NW
<i>Robinia viscosa</i> var. <i>hartwigii</i> 380-88, Z, United States, 1988, 51-SE 402-57, Z, United States, 1957, 15-SW	<i>Rosa 'Duchesse de Montebello'</i> 1395-84, G, 1984, BR-2
	<i>Rosa 'Greenmantle'</i> 890-83, G, 1983, BR-5
	<i>Rosa 'Jane Bullock'</i> 711-2010, G, 2010, BR-2
	<i>Rosa 'Madame Isaac Pereire'</i> 74-2011, G, 2011, BR-5

<i>Rosa 'Meipitac'</i>	
66-2011, G, 2011, BR-4	
<i>Rosa 'Metis'</i>	
1061-86, G, 1986, BR-6	
<i>Rosa 'New Dawn'</i>	
712-2010, G, 2010, BR-4	
<i>Rosa 'Pink Parfait'</i>	
1232-81, G, 1981, 1-SW	
<i>Rosa 'Radcor'</i>	
69-2011, G, 2011, BR-2	
<i>Rosa 'Radsun'</i>	
65-2011, G, 2011, BR-2	
<i>Rosa 'Radtko'</i>	
709-2010, G, 2010, BR-13	
<i>Rosa 'Radtkopink'</i>	
198-2010, G, 2010, BR-4	
<i>Rosa 'Radyod'</i>	
64-2011, G, 2011, BR-2	
<i>Rosa 'Seafoam'</i>	
713-2010, G, 2010, BR-4	
<i>Rosa 'Sombreuil'</i>	
73-2011, G, 2011, BR-5	
<i>Rosa 'WEKcobeju'</i>	
199-2010, G, 2010, BR-3	
<i>Rosa 'WEKvossutono'</i>	
68-2011, G, 2011, BR-3	
<i>Rosa 'Westerland'</i>	
714-2010, G, 2010, LG-9C.1	
<i>Rosa acicularis</i>	
17134, U, 1909, 22-NE	
100-77, W, Canada, 1977, BR-17-SW	
<i>Rosa acicularis</i> ssp. <i>sayi</i>	
515-78, W, Canada, 1978, BR-5	
	<i>Rosa acicularis</i> var. <i>bourgeauiana</i>
	1049-83, U, 1983, BR-2
	<i>Rosa acicularis</i> var. <i>nipponeensis</i>
	707-82, U, 1982, BR-4
	<i>Rosa albertii</i>
	644-83, W, Russian Federation, 1983,
	BR-4
	<i>Rosa amblyotis</i>
	234-84, U, 1984, BR-5
	1521-83, W, country unknown, 1983
	BR-4
	<i>Rosa arkansana</i>
	314-90, W, Canada, 1990, BR-6
	<i>Rosa arvensis</i>
	579-94, W, France, 1994, BR-4
	948-78, W, Belgium, 1978, 22-NW
	<i>Rosa bella</i>
	455-83, W, China, 1983, BR-4
	<i>Rosa blanda</i>
	688-82, Z, United States, 1982, BR-4
	<i>Rosa californica</i>
	1388-83, W, United States, 1983, BR-4
	<i>Rosa canina</i>
	1085-85, Z, Morocco, 1985, BR-4
	294-2008, W, Armenia, 2008, BR-5
	387-94, W, Germany, 1994, BR-4
	<i>Rosa canina</i> 'Inermis'
	1069-81, G, 1981, BR-5
	<i>Rosa carolina</i>
	41-88, W, United States, 1988, BR-4
	59-97, G, 1997, 22-NW, 54-SW
	60-97, G, 1997, 22-NW, 54-SW
	<i>Rosa centifolia</i>
	327-84, U, 1984, BR-5

- Rosa cinnamomea*
383-79, W, Russian Federation, 1979, BR-5
- Rosa coriifolia*
716-82, U, 1982, BR-3
- Rosa corymbifera*
388-94, W, Germany, 1994, BR3, BR-6
620-78, W, Tajikistan, 1978, BR-4
680-82, G, 1982, BR-4
- Rosa × damascena* 'Trigintipetala'
997-81, G, 1981, BR-5
- Rosa davurica*
324-97, W, China, 1997, 22-NE
- Rosa dumalis* var. *dumalis*
840-80, U, 1980, BR-5
- Rosa × dupontii*
921-82, G, 1982, BR-3
- Rosa eglanteria*
350-78, W, Denmark, 1978, 22-NE
389-94, W, Germany, 1994, BR-4
- Rosa gallica* var. *officinalis*
270-94, G, 1994, BR-2
- Rosa glauca*
347-94, W, Sweden, 1994, BR-4
- Rosa gymnocarpa*
1005-85, U, 1985, BR-4
297-2005, W, United States, 2005
BR-5
- Rosa henryi*
117-98, W, China, 1998, BR-4
- Rosa hugonis*
321-84, G, 1984, BR-4
- Rosa × hibernica*
1031-85, G, 1985, BR-4
- Rosa × highdownensis*
610-86, G, 1986, BR-3
- Rosa hugonis* × *omeiensis* f. *pteracantha*
230-97, G, 1997, BR-4
- Rosa hugonis* × *spinossissima* var. *altaica*
8010, G, 1918, 22-NE
- Rosa iberica*
728-89, W, Iran, 1989, BR-4
- Rosa inodora*
330-85, W, Germany, 1985, BR-3
476-78, W, Germany, 1978, 22-NE
- Rosa × involuta*
1391-73, G, 1973, BR-4
- Rosa × kamtchatica*
686-82, U, 1982, BR-2
- Rosa × kochiana*
236-84, G, 1984, BR-3
- Rosa luciae*
1556-83, W, Japan, 1983, BR-6
- Rosa macrocarpa*
600-97, W, China, 1997, BR-4
- Rosa macrophylla* 'Rubricaulis'
965-86, G, 1986, BR-3
- Rosa majalis*
621-2007, Z, Sweden, 2007, BR-4
- Rosa micrantha*
1414-83, W, France, 1983, BR-4
- Rosa mollis*
289-87, W, Norway, 1987, BR-5
- Rosa moyesii*
460-87, W, China, 1987, BR-3
- Rosa multiflora* f. *roseiflora*
1060-83, G, 1983, BR-4, BR-16-NW

<i>Rosa nitida</i>	<i>Rosa pteragonis</i> 'Redwing'
1007-81, U, 1981, 22-NW	1066-81, G, 1981, 22-NW
370-84, W, Canada, 1984, BR-4	
483-97, W, United States, 1997, 54-SW	
<i>Rosa nitidula</i>	<i>Rosa roxburghii</i>
348-94, W, Spain, 1994, BR-4	253-83, W, China, 1983, BR-4
<i>Rosa nutkana</i> var. <i>hispida</i>	<i>Rosa rugosa</i>
516-78, W, Canada, 1978, BR-4	277-84, W, Japan, 1984, BR-2
<i>Rosa nutkana</i> var. <i>nutkana</i>	623-85, W, Korea, Democratic People's
184-2009, Z, Canada, 2009, BR-4	Republic of, 1985, BR-2
<i>Rosa omeiensis</i>	67-2002, W, Russian Federation, 2002,
63-96, W, China, 1996, BR-5	BR-4
<i>Rosa oxyodon</i>	72-90, W, Korea, Republic of, 1990, BR-2
295-2008, W, Armenia, 2008, BR-4	
<i>Rosa palustris</i>	<i>Rosa rugosa</i> 'Belle Poitevine'
1179-83, Z, United States, 1983, BR-4	1006-85, G, 1985, BR-2
163-85, W, Canada, 1985, BR-DAWSON-POND	
645-83, W, United States, 1983, BR-5	<i>Rosa rugosa</i> 'Plena'
986-79, W, United States, 1979, BR-DAWSON-POND	538-84, U, 1984, BR-2
<i>Rosa pendulina</i>	<i>Rosa scabriuscula</i>
993-3, U, 1905, BR-2	390-94, W, Germany, 1994, BR-2
<i>Rosa pisocarpa</i>	<i>Rosa schrenkiana</i>
1760-81, U, 1981, BR-3	839-90, W, Turkmenistan, 1990, BR-4
<i>Rosa prattii</i>	<i>Rosa serafinii</i>
543-90, W, China, 1990, BR-4	700-82, G, 1982, BR-4
852-80, U, 1980, BR-5	
<i>Rosa primula</i>	<i>Rosa setigera</i>
7446, W, Uzbekistan, 1911, BR-17-SW	374-84, W, Canada, 1984, BR-3
276-85, G, 1985, BR-5	547-2009, Z, Canada, 2009, BR-4
<i>Rosa × pteragonis</i>	<i>Rosa setigera</i> var. <i>tomentosa</i>
1007-85, G, 1985, BR-5	416-2007, G, 2007, BR-4
	<i>Rosa sherardii</i>
	920-80, U, 1980, BR-3
	<i>Rosa spinosissima</i>
	1041-83, G, 1983, 22-NW
	1102-83, U, 1983, BR-3
	1462-80, W, Russian Federation, 1980
	BR-5
	428-85, W, Czechoslovakia, 1985, BR-3
	<i>Rosa spinosissima</i> 'Lutea Plena'
	795-39, G, 1939, BR-5

**ROSACEAE subfamily ROSOIDEAE: Rosa. a-h, R. virginiana; i, j, R. setigera;
k, R. eglanteria**

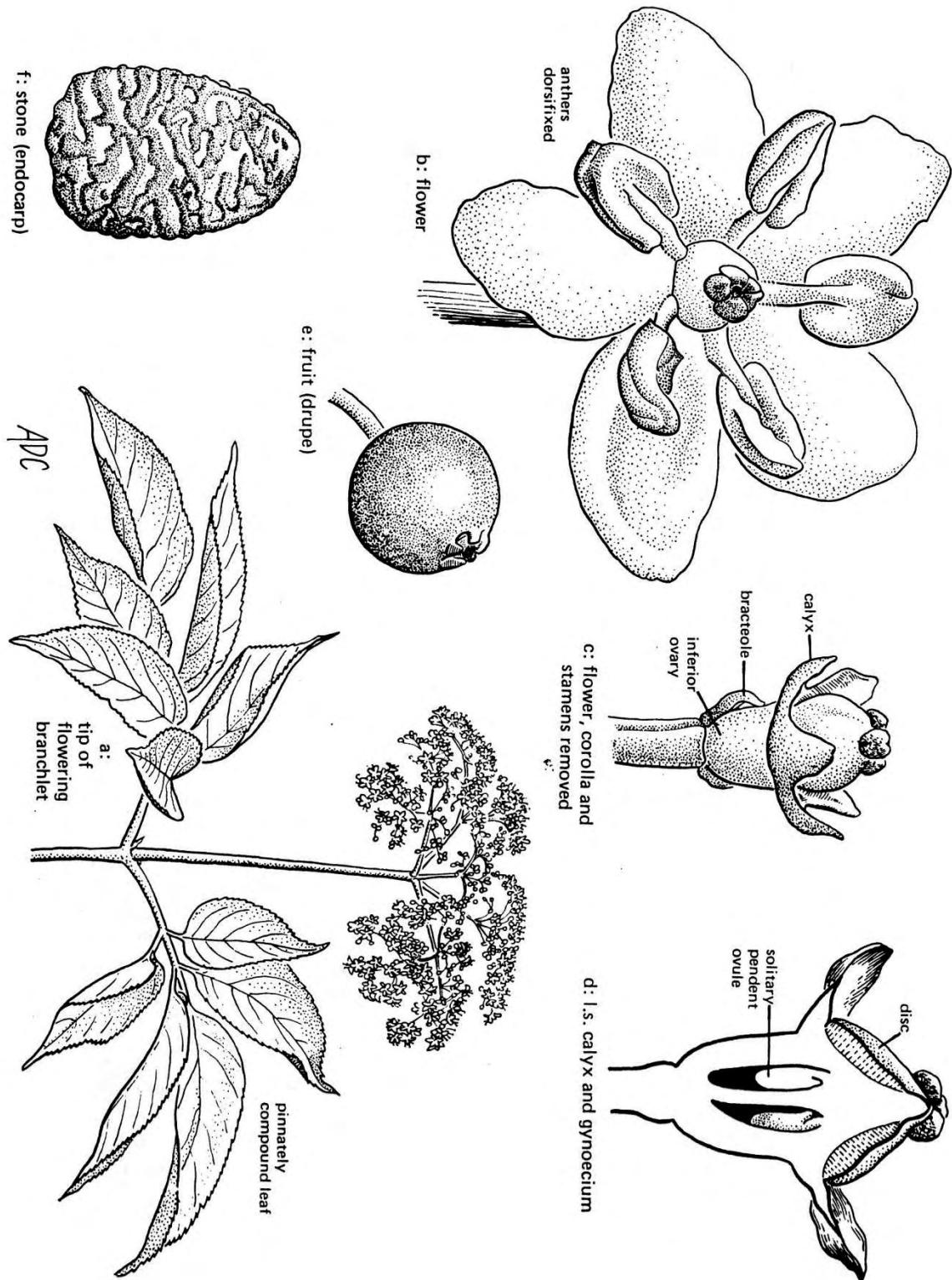


<i>Rosa spinosissima</i> 'Plato' 1100-83, G, 1983, BR-5, BR-16-NW	<i>Rubus idaeus</i> 1070-80, W, France, 1980, BR-4 780-93, W, Canada, 1993, BR-6
<i>Rosa spinosissima</i> var. <i>altaica</i> 3136-2, U, 1905, 22-NE	<i>Rubus lasiostylus</i> 107-81, W, China, 1980, BR-6 134-81, W, China, 1980, BR-6
<i>Rosa stylosa</i> 349-94, W, Spain, 1994, BR-3	<i>Rubus lasiostylus</i> var. <i>hubeiensis</i> 126-81, W, China, 1980, BR-6
<i>Rosa sweginzowii</i> 1109-88, G, 1988, BR-3	<i>Rubus palmatus</i> var. <i>coptophyllus</i> 461-82, U, 1982, BR-6
<i>Rosa transmorrisonensis</i> 258-98, W, Taiwan, 1998, BR-5	<i>Rubus parviflorus</i> 1206-78, G, Canada, 1978, BR-17-SW
<i>Rosa villosa</i> 1305-80, W, Russian Federation, 1980, BR-3	<i>Sageretia thea</i> 198-90, U, 1990, LARZ
<i>Rosa virginiana</i> 105-2006, United States, 2006, BR-DAWSON-POND 106-2006, United States, 2006, BR-DAWSON-POND	<i>Salix</i> sp. 1205-85, W, United States, 1985, BR-12 1938-77, G, Japan, 1977, BR-1C, BR-12
<i>Rosa × waitziana</i> 606-83, G, 1983, BR-5	<i>Salix aegyptiaca</i> 101-90, G, 1990, 8-SW 492-33, G, 1933, 8-SW
<i>Rosa woodsii</i> 109-78, W, Canada, 1978, BR-5 266-90, W, Canada, 1990, BR-3	<i>Salix alba</i> 411-66, G, 1966, 5-SW 44-43, G, 1943, 8-NW 81-46, G, 1946, 8-NW
<i>Rosa woodsii</i> ssp. <i>ultramontana</i> 1195-82, W, United States, 1982, BR-3 517-78, W, Canada, 1978, BR-FAXON-POND	<i>Salix alba</i> var. <i>caerulea</i> 1049-79, U, 1979, 8-NE, 8-SE
<i>Rosa zalana</i> 928-78, W, Hungary, 1978, BR-5	<i>Salix alba</i> var. <i>sericea</i> 1053-79, U, 1979, 8-SE
<i>Rubus biflorus</i> var. <i>biflorus</i> 627-90, G, 1990, BR-6	<i>Salix alba</i> var. <i>vitellina</i> 314-47, G, 1947, 5-NE
<i>Rubus cockburnianus</i> 1245-82, U, 1982, BR-6	<i>Salix alba</i> var. <i>vitellina</i> 'Pendula' 104-90, G, 1990, 3-SE 63-78, G, 1978, 3-SE 94-90, Z, Russian Federation, 1990, 5-SE
<i>Rubus crataegifolius</i> 462-82, U, 1982, BR-6	

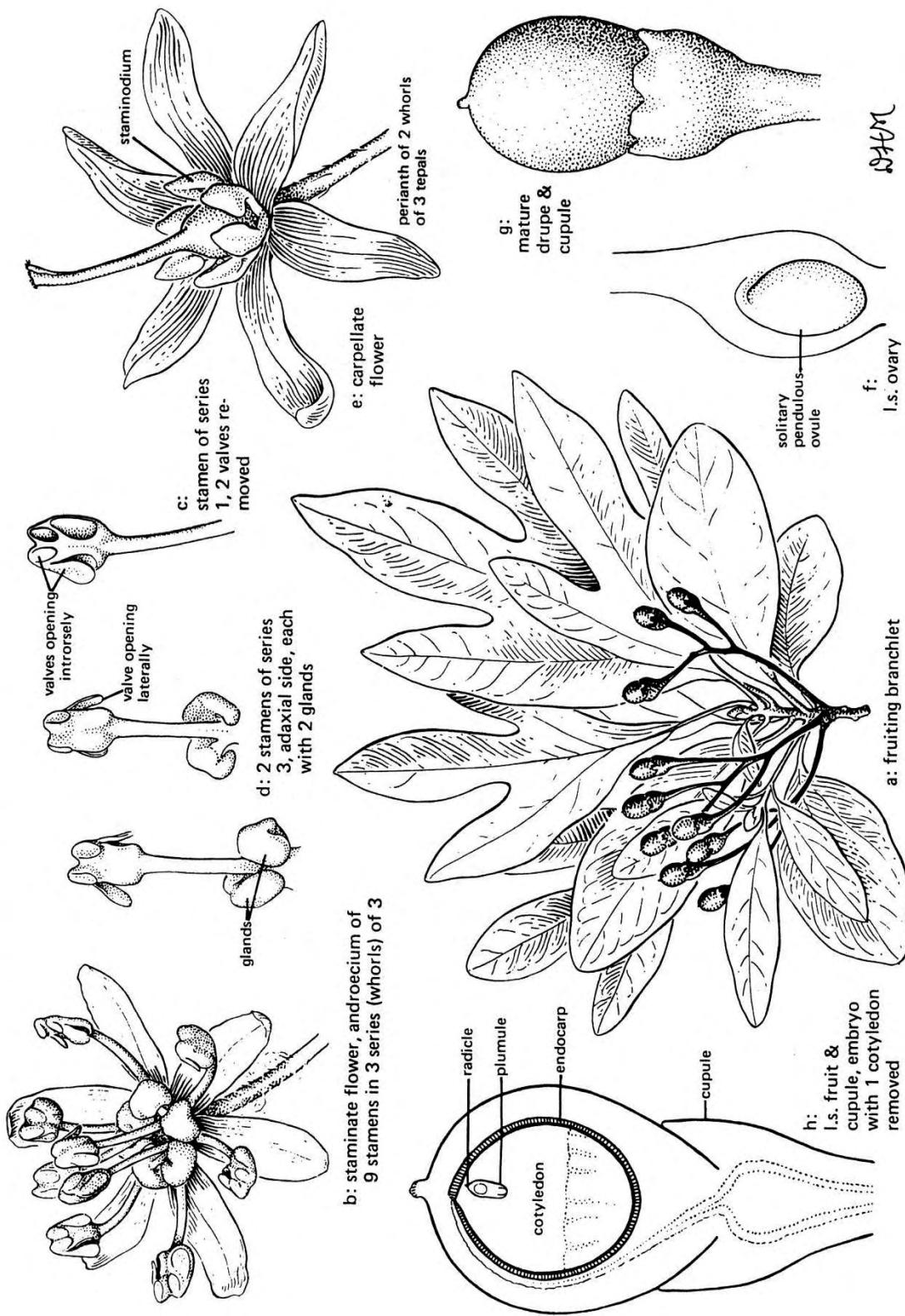
- Salix babylonica* 'Tortuosa'
131-90, U, 1990, 5-NW
352-2009, U, 2009, 1-SE
545-73, G, 1973, 5-NW
- Salix babylonica* 'Umbraculifera'
634-60, G, 1960, 8-NW
- Salix × blanda* 'Elegantissima'
16-77, G, 1977, 5-SW
719-71, G, 1971, 8-NW
- Salix bebbiana*
313-2005, W, United States, 2005, 5-NW
314-2005, W, United States, 2005, 5-NW
- Salix × calodendron*
201-2007, G, 2007, 8-NW
- Salix candida*
825-93, W, Canada, 1993, LG-8A
- Salix chaenomeloides*
139-90, G, 1990, 3-SW
- Salix × chrysocoma*
176-85, G, 1985, 59-NE
- Salix cinerea*
1097-85, U, 1985, 55-SE
375-59, G, 1959, 8-NW
60-95, G, 1995, 3-SE
- Salix cinerea* ssp. *oleifolia*
2035-65, U, 1965, 8-NW
- Salix daphnoides*
639-2007, U, 2007, 3-SE
652-71, U, 1971, 8-SW
- Salix × ehrhartiana*
2-99, G, 1999, 8-SE
- Salix elaeagnos* 'Angustifolia'
513-81, G, 1981, 3-SE
- Salix exigua* ssp. *exigua*
416-2008, W, United States, 2008, 1-SE
- Salix gilgiana*
295-80, G, 1980, 8-NW
- Salix glauca* var. *callicarpaea*
826-93, W, Canada, 1993, LG-8B
855-93, W, Canada, 1993, LG-6A
- Salix gracilistyla*
690-75, G, 1975, 5-NW
930-74, G, 1974, 5-NW
- Salix gracilistyla* var. *melanostachys*
404-82, U, 1982, 5-NW
71-98, G, 1998, 5-NW
- Salix humilis* var. *humilis*
1095-85, U, 1985, 59-NE
209-2005, W, United States, 2005, 5-NW
315-2005, W, United States, 2005, 5-NW
- Salix integra*
304-2000, G, 2000, 8-SE
- Salix integra* var. *albo-marginata*
347-96, G, 1996, 5-SW
- Salix koriyanagi* 'Rubykins'
348-96, G, 1996, 5-SW
- Salix lapponum*
410-88, G, 1988, DGB
- Salix magnifica*
481-95, G, 1995, LG-7H
- Salix miyabeana*
17-93, G, 1993, 59-SW
391-66, G, 1966, 8-NW
432-62, G, 1962, 8-SW
- Salix × multinervis notho* ssp. *charrieri*
1047-79, Z, country unknown, 1979, 5-SE,
8-NE
- Salix myrsinifolia*
177-65, G, 1965, 8-NW
439-62, G, 1962, 8-NW
832-85, G, 1985, 59-NE

- Salix nigra*
184-2007, Z, United States, 2007, 5-SE
19-92, Z, United States, 1992, 53-NE
- Salix pentandra*
95-90, G, 1990, 8-NW
- Salix petiolaris*
117-99, W, United States, 1999, 8-SW
311-2005, W, United States, 2005, 5-NW
- Salix pierotii*
22939, G, 1937, 3-NE
242-98, G, 1998, 8-NE, 8-SW
375-75, G, 1975, 8-NW
46-43, G, 1943, 8-NW
734-87, U, 1987, 5-NE
- Salix purpurea*
17190, G, 1911, 3-SE
6-82, U, 1982, 5-SE
11-82, Z, Germany, 1982, 5-SE
12-82, G, 1982, 8-NE
3-99, G, 1999, 8-SE, 8-SW
1045-79, G, 1979, 5-NE, 8-NW
294-96, G, 1996, 3-SE
618-2008, U, 2008, 3-SE
- Salix purpurea* 'Gracilis'
653-71, G, 1971, 5-NW
- Salix rorida*
154-98, Z, China, 1998, 8-SE
- Salix × rubens*
1061-79, G, 1979, 8-SE
199-80, G, 1980, 8-NW
272-49, G, 1949, 8-NW
406-66, G, 1966, 5-SW
535-79, G, 1979, 5-SE
538-54, Z, Canada, 1954, 8-NW, 8-SW
633-60, U, 1960, 8-NW
690-83, U, 1983, 51-NE
706-35, W, Canada, 1935, 8-NW
825-2008, U, 2008, 5-SE
- Salix schwerinii*
172-97, G, 1997, 8-SW
- Salix × sepulcralis*
13-82, Z, country unknown, 1982, 5-SE
15-82, G, 1982, 5-NE
178-53, G, 1953, 5-SW
514-81, Z, Germany, 1981, 51-SE
528-33, G, 1933, 8-SW
- Salix × sepulcralis* 'Erythroflexuosa'
177-85, U, 1985, 5-NW
- Salix × sericans*
432-60, G, 1960, 8-NW
- Salix × smithiana*
169-97, U, 1997, 8-SE, 8-SW
235-96, G, 1996, 8-SE
- Salix triandra*
506-81, Z, Czechoslovakia, 1981, 51-NE
- Salix udensis*
153-98, Z, China, 1998, 8-NE
279-97, W, China, 1997, 8-SE
390-66, G, 1966, 5-SW
404-66, G, 1966, 5-SW
- Salix udensis* 'Sekka'
161-64, G, 1964, 8-NW
671-67, G, 1967, 8-SW
- Sambucus canadensis*
323-2007, W, United States, 2007,
BR-DAWSON-POND
814-90, W, United States, 1990, 19-NW
85-2008, W, United States, 2008,
BR-DAWSON-POND
- Sambucus ebulus*
609-94, W, Italy, 1994, 4-SE
- Sambucus racemosa*
262-2008, W, Denmark, 2008,
BR-DAWSON-POND

CAPRIFOLIACEAE: *Sambucus*. a-f, *S. canadensis*



LAURACEAE: Sassafras. a-h, S. albidum var. molle



- Sambucus sieboldiana* var. *miquelii*
248-98, W, China, 1998, 4-SE
- Sanguinaria canadensis* 'Multiplex'
824-72, G, 1972, DGB
- Sanguisorba* sp.
392-97, W, China, 1997, 1-SW
- Sapindus drummondii*
680-91, W, United States, 1991, 11-SE, 11-SW
- Sarcococca humilis*
647-83, G, 1983, DGB
667-2003, G, 2003, LG-7I
- Sasa senanensis*
17578, W, Japan, 1891, 10-NE
- Sasa veitchii*
1390-78, G, 1978, 3-NE
- Sassafras albidum*
300-97, G, 1997, 15-NW, 15-SW
- Sassafras albidum* var. *albidum*
22915, G, 1950, 14-SE, 51-NW
- Sassafras albidum* var. *molle*
968, W, United States, 1884, 14-SE
22801, G, 1948, 36-NW
- Schisandra chinensis*
343-97, W, China, 1997, LG-9C.20
409-89, W, Korea, Republic of, 1989,
LG-9C.21
- Schizophragma hydrangeoides*
243-2008, W, Japan, 2008, DGB, LG-PER-S,
WH2-SW
- Schizophragma hydrangeoides* 'Moonlight'
352-2002, G, 2002, LG-5
- Schizophragma hydrangeoides* 'Roseum'
350-2002, G, 2002, LG-5
- Sciadopitys verticillata*
18078, U, 1898, 36-NE
1203-73, G, 1973, 33-SW
503-70, G, 1970, 3-NW
- Sequoiadendron giganteum*
1190-79, W, United States, 1979, 3-NW
1320-72, W, United States, 1972, 35-NE
209-59, G, 1959, DGB
479-95, W, United States, 1995, 26-SW
- Sequoiadendron giganteum* 'Hazel Smith'
851-87, G, 1987, 35-NE, 35-NW
- Shepherdia argentea*
102-77, W, Canada, 1977, 14-NW
- Shibataea kumasaca*
264-85, U, 1985, EG-6
- Sinojackia xylocarpa*
276-79, U, 1979, 19-NW
- Sinowilsonia henryi*
156-99, U, 1999, 18-SE
1970-80, W, China, 1980, DGB
- Smilax hispida*
17247, U, 1898, 12-SW
- Smilax sieboldii*
145-2000, Z, Korea, Republic of, 2000,
LG-9C.18
- Sophora davurica*
246-2000, W, China, 2000, 15-SW
246-2003, W, China, 2003, 15-SW
247-2000, W, China, 2000, 15-SW
- Sorbaria* sp.
613-97, W, China, 1997, 17-SW
- Sorbaria kirilowii*
431-43, U, 1943, 22-NE
833-71, U, 1971, 22-NE
- Sorbaria sorbifolia*
108-2000, U, 2000, 31-NW

- 181-83, W, China, 1983, BR-9
 771-56, U, 1956, 22-NE
- Sorbaria sorbifolia* var. *glandulosa*
 537-83, W, Korea Republic of, 1983,
 17-SW
- Sorbaria sorbifolia* var. *stellipila*
 538-83, W, Korea, Republic of, 1983, BR-8
- Sorbaria tomentosa*
 284-49, G, 1949, 22-NE
 86-94, W, India, 1994, BR-11
- (\times *Sorbaronia* sp.) (\times *Sorbocotoneaster* sp.)
 181-92, G, 1992, 33-NW, BR-11
- \times *Sorbaronia alpina*
 675-55, G, 1955, 55-NW
 994-84, G, 1984, BR-12, BR-14
- \times *Sorbaronia dippelii*
 759-78, G, 1978, BR-16-NW
- \times *Sorbaronia jackii*
 1239-85, Z, Canada, 1985, BR-14
 882-82, Z, Canada, 1982, BR-10
- \times *Sorbocotoneaster pozdnjakovii*
 89-68, G, 1968, EG-12
- \times *Sorbopyrus auricularis* 'Bulbiformis'
 55-99, G, 1999, 51-NE
- Sorbus* sp.
 470-97, W, China, 1997, 55-SW
- Sorbus* 'Jackman's Crimson'
 305-61, G, 1961, 54-NE
- Sorbus alnifolia*
 3626, U, 1896, 57-NE
 13262, W, China, 1920, 33-NE, 33-NW
 17261, W, Korea, Republic of, 1904, 25-SW
 1300-61, G, 1961, 54-SE
 1497-52, G, 1952, LG-PER-W
 1719-80, W, China, 1980, 51-NW
 1737-80, W, China, 1980, 49-NE
- 201-52, W, Korea, Republic of, 1952, 55-NW
 285-2004, Z, China, 2004, 54-NE
 345-27, U, 1927, 19-SW
 381-25, U, 1925, 16-NW
 403-2003, G, 2003, LG-PER-W
 74-90, W, Korea, Republic of, 1990, 55-NW
 814-2008, U, 2008, 53-SE
- Sorbus alnifolia* "Columnar Form"
 142-2008, Z, Korea, Republic of, 2008, DGB
 400-86, W, Korea, Republic of, 1986, 26-NW
- Sorbus alnifolia* 'Rigida'
 256-63, G, 1963, 54-SE
- Sorbus alnifolia* var. *lasiocarpa*
 413-94, W, Korea, Republic of, 1994, 54-NE
- Sorbus americana*
 1845-66, G, 1966, 54-NE
- Sorbus aria*
 115-2005, Z, France, 2005, 42-NE
- Sorbus aria* var. *salicifolia*
 1110-65, U, 1965, 54-SE
 222-27, U, 1927, BR-16-NW
 260-70, U, 1970, 39-NE
- Sorbus* \times *arnoldiana*
 65-69, G, 1969, 51-SW, 55-SW
- Sorbus arnoldiana* \times *alnifolia*
 434-88, U, 1988, 55-SW
- Sorbus aucuparia*
 1257-84, W, Sweden, 1984, 35-NE
 180-57, U, 1957, 55-NW
 423-88, U, 1988, 34-NE
 43-70, U, 1970, 22-NE
- Sorbus aucuparia* f. *asplenifolia*
 493-88, G, 1988, 40-SE
 759-81, U, 1981, 34-NE
- Sorbus aucuparia* var. *rossica*
 152-87, G, 1987, 59-SW
 272-80, U, 1980, 37-SW

- Sorbus aucuparia* var. *sibirica*
422-95, U, 1995, 59-NE
- Sorbus cashmiriana*
416-2002, U, 2002, 55-NW
- Sorbus commixta*
1190-68, G, Korea, Republic of, 1968, 54-SE
145-2002, W, Japan, 2002, 54-NE
1651-81, U, 1981, 59-NE
1842-77, G, Japan, 1977, 34-SE
255-96, G, 1996, 22-SW, 53-SE
326-86, U, 1986, 35-NE
38-2004, G, 2004, 55-NW
9-98, W, Japan, 1998, BR-16-NW
- Sorbus devoniensis*
42-96, G, 1996, 55-NW
- Sorbus domestica*
1043-64, G, 1964, 55-NW
1153-60, G, 1960, 54-SE
385-25, G, 1925, BR-16-NW
- Sorbus forrestii*
560-83, G, China, 1983, 49-SW
814-77, G, China, 1977, 36-SE
- Sorbus hemsleyi*
1771-80, W, China, 1980, 40-SE
1981-80, W, China, 1980, 39-NE
1996-80, W, China, 1980, BR-14
- Sorbus hupehensis*
119-97, W, country unknown, 1997, 54-NE
1675-80, W, China, 1980, 39-NE, 50-SE
1887-80, W, China, 1980, 40-SE
327-86, Z, China, 1986, 50-NE
81-96, W, China, 1996, 59-NE
- Sorbus hybrida*
301-93, W, Sweden, 1993, 45-NW, 55-NW
430-93, W, Sweden, 1993, 59-NE
- Sorbus hybrida* 'Gibbsii'
926-53, G, 1953, 55-NW
- Sorbus hybrida* 'Meinichii'
39-96, G, 1996, 54-SE
681-65, G, 1965, 55-NW
- Sorbus hybrida* var. *serrata*
1119-65, U, 1965, 54-NE
420-95, U, 1995, 55-SW
- Sorbus intermedia*
136-56, G, 1956, 55-SW
174-71, U, 1971, 54-NE
476-85, U, 1985, 40-NW
- Sorbus intermedia* var. *minima*
1538-51, U, 1951, 55-NW
423-95, U, 1995, 51-SW
- Sorbus intermedia* var. *pinnatifolia*
424-88, U, 1988, 39-NE
- Sorbus koehneana*
1693-80, W, China, 1980, 34-SE, BR-16-NW
- Sorbus lancifolia*
1117-65, U, 1965, 54-SE
- Sorbus latifolia*
334-55, G, 1955, 55-NW
- Sorbus latifolia* agg.
18462, U, 1922, 25-NW, BR-16-NW
- Sorbus mougeotii*
1128-78, W, country unknown, 1978, 51-SW
333-86, Z, country unknown, 1986, 40-NW
559-48, U, 1948, 55-NW
- Sorbus pohuashanensis*
1175-80, U, 1980, 44-SE
477-80, W, China, 1980, 40-SW
71-2005, Z, China, 2005, 55-NW
757-81, Z, China, 1981, 59-NE
- Sorbus prattii* var. *prattii*
276-2006, G, China, 54-SW, BR-16-NW
- Sorbus × pseudovertesensis*
1314-70, U, 1970, 55-SW

- 40-96, G, 1996, 55-NW
- Sorbus rehderiana*
443-95, U, 1995, 55-NW
- Sorbus rufo-ferruginea*
364-80, Z, Japan, 1980, 37-SW
47-2004, Z, Japan, 2004, 54-NE
- Sorbus sambucifolia* var. *pseudogracilis*
1730-77, W, Japan, 1977, DGB
- Sorbus scopulina*
310-75, W, United States, 1975, 39-NE
315-68, U, 1968, 54-SE
328-86, G, 1986, BR-12, BR-14
330-86, U, 1986, BR-11
- Sorbus sibirica*
1310-70, U, 1970, 55-NW
433-88, U, 1988, 34-NE
- Sorbus simonkaiana*
1317-70, U, 1970, 34-NE
- Sorbus torminalis*
138-2002, G, 2002, 55-NW
246-98, W, France, 1998, 55-NW
- Sorbus tsinlingensis*
544-88, W, China, 1988, 40-SW
- Sorbus umbellata*
237-70, U, 1970, 34-SE
46-2004, U, 2004, 54-NE
- Sorbus vilmorinii*
151-87, G, 1987, 36-NW, 37-SE
- Sorbus wilsoniana*
179-92, U, 1992, 34-SE
325-86, U, 1986, BR-11
- Sorbus yuana*
1539-80, W, China, 1980, 22-NW, 27-SE,
51-NW, 51-SW, BR-16-SE, EG-26-SE
1894-80, W, China, 1980, 39-NE, 49-NE,
51-NE, 55-NE, BR-8
- Spiraea alba*
1285-82, W, United States, 1982, 45-SW
204-89, W, United States, 1989, BR-9
548-2009, Z, Canada, 2009, BR-7
684-84, W, United States, 1984, BR-7
- Spiraea × arguta*
304-84, G, 1984, BR-7
- Spiraea × arguta* 'Compacta'
320-90, G, 1990, BR-7
- Spiraea × billiardii*
656-83, U, 1983, 32-SW
- Spiraea × blanda*
1231-85, G, 1985, BR-6
- Spiraea blumei*
748-94, W, China, 1994, BR-1A
- Spiraea × bumalda*
678-83, G, 1983, 26-SW
- Spiraea × bumalda* 'Gold Flame'
483-89, G, 1989, BR-9
- Spiraea cana* × *thunbergii*
323-84, G, 1984, BR-8
- Spiraea canescens*
1229-85, U, 1985, BR-6
- Spiraea cantoniensis*
1930-77, G, Japan, 1977, BR-15-SE
- Spiraea chamaedryfolia*
1029-82, W, Russian Federation, 1982, BR-7
391-79, W, Russian Federation, 1979, 22-NE
625-83, W, Russian Federation, 1983, BR-8
- Spiraea chamaedryfolia* var. *pilosaa*
633-74, U, 1974, 31-NE
- Spiraea chamaedryfolia* var. *ulmifolia*
301-84, U, 1984, BR-7

- Spiraea chinensis*
183-73, U, 1973, BR-DAWSON-POND
223-83, W, China, 1983, BR-8
629-84, W, China, 1984, BR-9
- Spiraea × cinerea* 'Grefsheim'
1234-85, G, 1985, BR-6
1285-78, G, 1978, 22-NW
- Spiraea crenata*
1398-80, W, Russian Federation, 1980,
23-NW
- Spiraea douglasii*
319-85, W, United States, 1985, 22-NE
455-73, U, 1973, 31-NW
- Spiraea douglasii* var. *menziesii*
191-93, W, United States, 1993, BR-9
- Spiraea fastigiata*
732-74, U, 1974, BR-17-SW
- Spiraea fritschiana*
540-83, W, Korea, Republic of, 1983, BR-7
- Spiraea henryi*
1121-86, U, 1986, BR-7
302-84, Z, China, 1984, BR-7
- Spiraea hypericifolia*
165-95, W, Kazakhstan, 1995, BR-1C
- Spiraea japonica*
1254-80, W, Japan, 1980, 23-NW
244-2008, W, Japan, 2008, 3-NE, BR-7,
WH2-SW
413-2007, W, Japan, 2007, 3-NE, BR-7,
WH2-SW
680-83, U, 1983, 22-NW
- Spiraea japonica* 'Atrosanguinea'
1033-66, G, 1966, 26-NE
- Spiraea japonica* var. *acuminata*
523-89, W, China, 1989, BR-7
- Spiraea latifolia*
316-84, Z, United States, 1984, BR-7,
BR-9, BR-DAWSON-POND
- Spiraea longigemmis*
352-92, U, 1992, BR-8
- Spiraea miyabei* var. *glabrata*
694-76, U, 1976, 22-NE
- Spiraea mollifolia*
248-85, Z, China, 1985, BR-7, BR-12
- Spiraea nipponica* var. *rotundifolia*
1899-77, G, Japan, 1977, BR-15-SE, 22-NW
1937-77, W, Japan, 1977, BR-1C
- Spiraea nipponica* var. *tosaensis*
1023-86, G, Japan, 1986, BR-6
- Spiraea prunifolia*
382-1, G, 1904, 17-SW
- Spiraea prunifolia* f. *simpliciflora*
3138, U, 1887, BR-1A, BR-1C
18283, W, Korea, Republic of, 1905, 25-NW
119-99, Z, Korea, Republic of, 1999, LG-7H
286-2002, Z, Korea, Republic of, 2002, 1-SE
516-2003, Z, Korea, Republic of, 2003, 44-NE
- Spiraea pubescens*
260-75, U, 1975, BR-1C
541-83, W, Korea, Republic of, 1983, BR-8
75-99, Z, Korea, Republic of, 1999, LG-3G
- Spiraea salicifolia*
595-83, U, 1983, 22-NW, BR-8
627-85, W, Korea, Democratic People's
People's Republic of, 1985, BR-7
- Spiraea sargentiana*
1233-85, U, 1985, BR-6
- Spiraea × schinabeckii*
640-74, G, 1974, 31-NE, BR-16-SE
- Spiraea tomentosa*
129-2005, W, United States, 2005,

- BR-DAWSON-POND
164-2001, W, United States, 2001,
BR-DAWSON-POND
493-2010, W, United States, 2010, DGB
- Spiraea trichocarpa*
528-77, W, Korea, Republic of, 1977, BR-1C
- Spiraea × vanhouttei 'Meyeri Nana'*
311-84, G, 1984, BR-7
- Spiraea veitchii*
1034-85, U, 1984, BR-8
1767-80, W, China, 1980, 22-SW
- Spiraea virgata*
848-76, U, 1976, 22-NE
- Spiraea virginiana*
1089-88, W, United States, 1988, 62-SW
1152-89, W, United States, 1989, 62-SW
1153-89, W, United States, 1989, 62-SW
1154-89, W, United States, 1989, 62-SW
1155-89, W, United States, 1989, 62-SW
1156-89, W, United States, 1989, 62-SW
1157-89, W, United States, 1989, 62-SW
1158-89, W, United States, 1989, 27-SE
1159-89, W, United States, 1989, 27-NE
1160-89, W, United States, 1989, 27-NE
1161-89, W, United States, 1989, 27-SE
1162-89, W, United States, 1989, 27-NE
1163-89, W, United States, 1989, 62-SW
1165-89, W, United States, 1989, 62-SW
1166-89, W, United States, 1989, 62-SW
1167-89, W, United States, 1989, 62-SW
20-91, W, United States, 1991, 62-SW
21-91, W, United States, 1990, BR-9
22-91, W, United States, 1991, 62-SW
23-91, W, United States, 1991, 27-SE
282-2004, Z, United States, 2004, 32-NE
459-2003, Z, United States, 2003, 32-NE
460-2003, Z, United States, 2003, 32-NE
463-2003, Z, United States, 2003, 32-NE
465-2003, Z, United States, 2003, LG-3C
469-2003, Z, United States, 2003, LG-3C
470-2003, Z, United States, 2003, LG-3C
471-2003, Z, United States, 2003, LG-3C
473-2003, Z, United States, 2003, LG-3C
- 774-88, Z, United States, 1988, 27-NE
81-88, W, United States, 1988, 62-SW
82-88, W, United States, 1988, 62-SW
83-88, W, United States, 1988, 62-SW
945-88, W, United States, 1988, 62-SW
947-88, W, United States, 1988, 27-SE
958-88, W, United States, 1988, 62-SW
973-88, W, United States, 1988, 27-NE
974-88, W, United States, 1988, 27-SE
975-88, W, United States, 1988, 27-NE
976-88, W, United States, 1988, 62-SW
977-88, W, United States, 1988, 27-NE
978-88, W, United States, 1988, 27-NE
979-88, W, United States, 1988, 27-NE
- Spiraea virginiana f. serrulata*
322-84, Z, United States, 1984, BR-7
- Spiraea wilsonii*
20493, W, China, 1926, 25-NW
1284-78, U, 1978, BR-16-SE
545-93, Z, China, 1993, BR-9
679-89, Z, China, 1989, BR-10
953-85, Z, China, 1985, BR-8
- Stachyurus praecox*
1428-83, W, Japan, 1983, 3-NW
1828-77, W, Japan, 1977, 1-SW, EG-9
75-90, W, Japan, 1990, EG-9
- Staphylea* sp.
640-97, W, China, 1997, 11-SE
- Staphylea bumalda*
1865-77, W, Korea, Republic of, 1977, 24-SE
- Staphylea colchica*
139-2001, W, Germany, 2001, 8-SE
789-73, G, 1973, 11-SE
- Staphylea colchica* var. *coulombieri*
1185-72, U, 1972, 11-SE
- Staphylea holocarpa*
457-2002, G, China, 2002, 11-SE
- Staphylea holocarpa* var. *rosea*
1060-86, G, 1986, 50-NE

- 59-81, W, China, 1980, 8-SE
- Staphylea × elegans 'Hessei'*
568-76, G, 1976, 53-NW
- Staphylea pinnata*
21632, U, 1925, 25-SW
1186-72, U, 1972, 11-SE
588-85, W, Hungary, 1985, 11-SW
59-76, G, 1976, 11-SE, 11-SW
- Staphylea trifolia*
1063-72, U, 1972, 11-SE
1078-79, W, United States, 1979, 24-SE
1194-85, W, United States, 1985, 11-SW
1423-83, W, United States, 1983, 49-SW
1736-81, W, Canada, 1981, 12-SW
1795-81, W, United States, 1981, 8-SE
247-95, W, United States, 1995, 11-SW
62-76, G, 1976, 11-SW
7-2008, W, United States, 2008, 8-SE, 53-NW
- Stephanandra chinensis*
388-90, W, China, 1990, BR-9
- Stephanandra incisa*
1029-86, W, Japan, 1986, BR-8
- Stephanandra incisa 'Crispa'*
1228-89, G, 1989, BR-1B
278-85, G, 1985, 1-SW, BR-8
762-59, G, 1959, 26-NE
- Stephanandra tanakae*
801-86, W, Japan, 1986, BR-8
- Stewartia 'Scarlet Sentinel'*
154-2001, G, 2001, EG-2, LG-2K
- Stewartia malacodendron*
504-2010, W, United States, 2010,
DGB
- Stewartia monadelpha*
1084-79, U, 1979, 5-NW
441-72, U, 1972, 32-SE
653-74, U, 1974, 32-SE
- Stewartia ovata*
18847, U, 1922, EG-8
643-2003, W, United States, 2003, 4-NE
- Stewartia ovata × pseudocamellia*
1048-68, G, 1968, 19-NW
- Stewartia ovata* var. *grandiflora*
18244, W, United States, 1925, EG-7, EG-8
- Stewartia pseudocamellia*
11440, W, Korea, Republic of, 1918, EG-8
8-43, G, 1943, 13-SW, 19-SW
1141-71, Z, Korea, Republic of, 1971, 32-SE
1269-83, W, Korea, Republic of, 1983, EG-7
1666-65, G, 1965, 3-SW
405-42, U, 1942, 18-SE
661-70, U, 1970, 19-SW, 3-NE
764-69, G, 1969, 53-SE
- Stewartia rostrata*
248-2005, W, China, 2005, 53-SW
249-2005, W, China, 2005, 53-SW
322-2004, W, China, 2004, 4-NE
327-2004, W, China, 2004, 4-NE
358-2004, G, 2004, 53-NW
373-76, U, 1976, EG-6
472-75, G, 1975, 53-SE
769-36, U, 1936, EG-8
- Stewartia rostrata* (undetermined hybrid)
761-69, G, 1969, EG-6
- Stewartia sinensis*
114-99, Z, China, 1999, 13-SW, LG-2J
383-2001, G, China, 2001, 19-NW
531-34, U, 1934, EG-6, EG-8
691-94, W, China, 1994, EG-7
- Stranvaesia davidiana*
1993-80, W, China, 1980, 33-NW
- Stranvaesia davidiana* var. *undulata*
840-84, U, 1984, 45-NW
- × *Sycoparrotia semidecidua*
149-99, G, 1999, 19-SW

- Styphnolobium japonicum*
 12221, W, Korea, Republic of, 1920, 15-SW
 17250, G, 1891, 15-SW
 22779, G, 1946, 15-SW
 1239-83, W, Korea, Republic of, 1983,
 50-NW, EG-32-NE
 216-35, G, 1935, 15-SW
 80-98, G, 1998, 53-SE
- Styphnolobium japonicum* 'Columnaris'
 415-78, G, 1978, 39-SE
- Styphnolobium japonicum* f. *oligophylla*
 781-90, U, 1990, EG-26-SE
- Styphnolobium japonicum* 'Pendula'
 493-67, G, 1967, 15-SW
- Styphnolobium japonicum* 'Violacea'
 414-78, G, 1978, 26-SW
 619-66, G, 1966, 15-SW
- Styrax americana*
 11647, U, 1926, 18-SE
- Styrax confusus*
 1082-89, W, China, 1989, 18-SE, 25-NW
 312-2004, W, China, 2004, 18-SE, 21-NE
- Styrax dasyantha*
 164-2008, G, Korea, Republic of, 2008, DGB
- Styrax japonica* 'Angyo Dwarf'
 549-85, G, 1985, 52-NE
- Styrax japonica* 'Carillon'
 503-82, G, 1982, LG-PER-S
- Styrax japonicus*
 17334, W, Japan, 1892, 18-SE
 1652-81, U, 1981, 62-SE
 1849-77, W, Korea, Republic of, 1977, 19-SW
 284-75, G, 1975, 21-NE
 290-91, W, Korea, Republic of, 1991, 18-SE
 428-69, G, 1969, 4-NE
 939-85, W, Korea, Republic of, 1985, 18-SE,
 38-NW
- Styrax obassia*
 1082-80, W, Korea, Republic of, 1980, 24-NE
 1270-83, W, Korea, Republic of, 1983, 50-NE
 1500-77, G, Japan, 1977, 25-SW
 348-2010, G, 2010, DGB
 380-78, G, 1978, 19-SW
 401-86, W, Korea, Republic of, 1986, 58-SW
 914-77, W, Korea, Republic of, 1977, 25-NW
 978-85, W, Korea, Republic of, 1985, 18-SE
- Symporicarpos albus*
 1032-81, Z, United States, 1981, 31-NW
 1080-81, Z, United States, 1981, 26-SW
 1082-81, U, 1981, 31-NE
 1091-81, U, 1981, 31-NE
 198-67, U, 1967, 26-SW
 348-84, W, United States, 1984, 39-NE
 785-76, U, 1976, 14-NW
- Symporicarpos × doorenbosii*
 1020-67, G, 1967, 15-SW
- Symporicarpos × doorenbosii* 'Kordes'
 185-2006, G, 2006, LG-2H
- Symporicarpos hesperius*
 786-83, U, 1983, 32-SW
- Symporicarpos occidentalis*
 17341, W, United States, 1900, 14-NW
 1024-81, Z, United States, 1981, 26-SE
 103-78, W, Canada, 1978, LG-7I
- Symporicarpos orbiculatus*
 937, U, 1874, 14-NW
 27-73, U, 1973, 31-NE
- Symplocos chinensis* f. *pilosa*
 545-83, W, Korea, Republic of, 1983, 49-SW
 719-85, W, 1985, 14-SW
- Symplocos chinensis* var. *pubescens*
 796-84, W, Korea, Republic of, 1984, 14-SW
- Symplocos paniculata*
 112-68, G, 1968, 13-NE
 1199-68, W, Korea, Republic of, 1968,
 EG-26-SE

- 1378-73, U, 1973, 21-NE, 32-SE
 17587-1, G, 1897, 14-NW, 14-SW
 1948-80, W, China, 1980, 14-SW
 433-77, G, Japan, 1977, 14-SW
 709-75, G, 1975, 21-NE
- Syneilesis aconitifolia*
 90-96, W, China, 1996, 1-SW
- Syringa* sp.
 235-74, G, 1974, 14-SE
- Syringa* (undetermined hybrid)
 224-79, G, 1979, DGB
 276-2008, G, 2008, 14-SE
- Syringa* 'Bailbelle'
 93-2000, G, 2000, 21-NE
- Syringa* 'BaILDust'
 184-2004, G, 2004, 15-SW
- Syringa* 'Bailsugar'
 185-2004, G, 2004, 15-SW
- Syringa* 'Foxey Lady'
 277-2008, G, 2008, DGB
- Syringa* 'Laurentian' × 'Pyramidalis Alba'
 96-83, G, 1983, DGB
- Syringa* 'MORjos 060F'
 200-2000, G, 2000, 21-NE
- Syringa* 'Purple Haze'
 36-2002, G, 2002, 14-SE
- Syringa* 'Pyramidalis Alba' × 'Excel'
 1213-81, G, 1981, 14-SE, 20-NE
 1603-81, G, 1981, 51-NW
- Syringa* (Villosae Group) 'Ferna Alexander'
 554-75, G, 1975, 21-NW
 764-90, G, 1990, 14-SE
- Syringa* (Villosae Group) 'Hedin'
 690-41, G, 1941, 27-SE
- Syringa* (Villosae Group) 'Mary C. Bingham'
 131-98, G, 1998, 14-SE, 14-SW
 730-90, G, 1990, 21-SE
- Syringa* (Villosae Group) 'Miss Canada'
 474-92, G, 1992, 21-NW
- Syringa* (Villosae Group) 'Prairial'
 247-40, G, 1940, 27-NE, 27-SE
- Syringa* × *chinensis*
 129-79, G, 1979, 33-NW
 539-79, G, 1979, 33-NW
- Syringa* × *chinensis* 'Lilac Sunday'
 127-96, G, 1996, 14-SE
 164-96, G, 1996, 21-SE
- Syringa* × *chinensis* 'Red Rothomagensis'
 178-2004, G, 2004, 14-SE, 21-NW
 339-67, G, 1967, 14-SE
- Syringa* × *chinensis* f. *metensis*
 10607, G, 1920, 21-NE
 20491, G, 1925, 21-SE, 21-SW
- Syringa* × *chinensis* f. *saugeana*
 11718, G, 1921, 27-NE
 12081, G, 1900, 21-NW
 15662, G, 1924, 21-NW
 445-38, G, 1938, 21-NW
- Syringa* × *chinensis* nothof. *bicolor*
 22727, G, 1942, 21-SE
 223-74, G, 1974, 21-SE
- Syringa* × *chinensis* var. *alba*
 362-50, G, 1950, 21-NW
 4339-1, G, 1900, 21-NW
- Syringa* × *diversifolia*
 308-91, G, 1991, 14-SE, 15-SW
- Syringa* × *diversifolia* 'William H. Judd'
 583-84, G, 1984, 55-NE
 695-84, G, 1984, 15-SW

- Syringa emodi*
6628, G, 1881, 21-SE
133-2000, Z, India, 2000, 21-SE
87-94, W, India, 1994, 14-SW
- Syringa × henryi*
483-94, G, 1994, 20-NE, 21-NE
- Syringa × hyacinthiflora 'Asessippi'*
1075-88, G, 1988, 15-SW
166-74, G, 1974, 15-SW
257-74, G, 1974, 15-SW
802-67, G, 1967, 14-SE
- Syringa × hyacinthiflora 'Berryer'*
11743, G, 1922, 14-SE
- Syringa × hyacinthiflora 'Blanche Sweet'*
302-95, G, 1995, 21-NE
475-92, G, 1992, 21-NE
- Syringa × hyacinthiflora 'Catinat'*
21892, G, 1932, 21-NW
- Syringa × hyacinthiflora 'Esther Staley'*
1374-52, G, 1952, 21-NW
144-2005, G, 2005, 14-SW
- Syringa × hyacinthiflora 'Evangeline'*
717-36, G, 1936, 14-SW
808-67, G, 1967, 14-SW
- Syringa × hyacinthiflora 'Excel'*
160-87, G, 1987, 15-SW
718-36, G, 1936, 21-NW
895-73, G, 1973, 14-SE
- Syringa × hyacinthiflora 'Gertrude Leslie'*
145-2005, G, 2005, 21-NW
189-96, G, 1996, 21-NE
- Syringa × hyacinthiflora 'Hyacinthiflora Plena'*
15659, G, 1907, 21-NW
- Syringa × hyacinthiflora 'Lamartine'*
23075, G, 1955, 27-NE
- Syringa × hyacinthiflora 'Laurentian'*
955-50, G, 1950, 21-NW
- Syringa × hyacinthiflora 'Louvois'*
261-80, G, 1980, 62-SE
605-80, G, 1980, 21-SE
- Syringa × hyacinthiflora 'Maureen'*
858-77, G, 1977, 14-SE
- Syringa × hyacinthiflora 'Necker'*
21903, G, 1932, 14-SW
- Syringa × hyacinthiflora 'Nokomis'*
724-36, G, 1936, 14-SW
901-73, G, 1973, 14-SE
- Syringa × hyacinthiflora 'Norah'*
1037-77, G, 1977, 14-SE
- Syringa × hyacinthiflora 'Pocahontas'*
692-41, G, 1941, 21-SW
725-36, G, 1936, 14-SW
92-98, G, 1998, 14-SE
- Syringa × hyacinthiflora 'Royal Purple'*
285-79, G, 1979, 15-SW
903-73, G, 1973, 15-SW
- Syringa × hyacinthiflora 'Scotia'*
329-35, G, 1935, 21-NW
- Syringa × hyacinthiflora 'Sister Justina'*
904-73, G, 1973, 15-SW
- Syringa × hyacinthiflora 'Summer Skies'*
289-79, G, 1979, 21-NW
- Syringa × hyacinthiflora 'Swarthmore'*
190-96, G, 1996, 14-SE
- Syringa × hyacinthiflora 'Turgot'*
16432, G, 1928, 21-NW
21013, G, 1929, 21-NW
606-82, G, 1982, 52-NE
- Syringa × hyacinthiflora 'Vauban'*
214-74, G, 1974, 21-NW

- Syringa × josiflexa* (Villosae Group)
 'Anna Amhoff'
 315-96, G, 1996, 21-NW
- Syringa × josiflexa* (Villosae Group)
 'James MacFarlane'
 93-98, G, 1998, 14-SE
- Syringa × josiflexa* (Villosae Group) 'Sulte'
 131-75, G, 1975, 21-SW
- Syringa josikaea*
 592-2003, G, Latvia, 2003, 21-NW
- Syringa julianae*
 1063-86, Z, country unknown, 1986, 45-SW
 657-80, Z, country unknown, 1980, 33-NE
- Syringa komarovii*
 272-2002, U, 2002, 21-SE
 665-97, W, China, 1997, 14-SE
- Syringa komarovii* ssp. *reflexa*
 109-81, W, China, 1980, 14-SE, 21-SE
 299-2000, W, China, 2000, 14-SE, 21-SW
- Syringa meyeri*
 188-87, G, 1987, 21-NW
- Syringa meyeri* (white form)
 266-88, U, 1988, 21-NW
 306-2006, U, 2006, 15-SW
- Syringa meyeri* 'Palibin'
 1037-89, G, 1989, 21-SE
- Syringa oblata*
 20621, G, 1928, 21-SE
 234-2005, W, China, 2005, 14-SE
 381-2001, W, Korea, Democratic People's Republic of, 2001, 15-SW
- Syringa oblata* ssp. *dilatata*
 185-87, W, Korea, Republic of, 1987, 14-SW
 307-78, U, 1978, 14-SE, 14-SW
 605-86, Z, Korea, Republic of, 1986, 14-SE, 21-NW
 789-67, Z, Korea, Republic of, 1967, 21-NW
- Syringa oblata* ssp. *dilatata* 'Cheyenne'
 278-79, G, 1979, 14-SW
 316-96, G, 1996, 14-SE, 21-SE
- Syringa oblata* var. *affinis*
 475-2003, G, 2003, 14-SE
- Syringa patula*
 1223-82, W, Korea, Republic of, 1982, 14-SE
 314-97, W, China, 1997, 14-SE, 14-SW, 21-NW
 371-97, W, China, 1997, 14-SE, 14-SW, 20-NE
 656-90, W, Turkey, 1990, 21-SW
 915-77, W, Korea, Republic of, 1977, 14-SE
- Syringa patula* 'Miss Kim'
 1036-89, G, United States, 1989, 14-SW
- Syringa pekinensis*
 145-2007, W, China, 2007, 14-SE
 18335, W, China, 1924, 21-SW
 18342, G, 1924, 21-NW
 19136, W, China, 1923, 21-SE
 21634, W, China, 1926, 20-NE
 21635, W, China, 1926, 21-NW
 20-95, W, China, 1995, 14-SE, 53-SE, 57-NE
 487-93, W, China, 1993, 21-NW
- Syringa pekinensis* 'Morton'
 352-96, G, 1996, 14-SE
- Syringa pekinensis* 'Pendula'
 255-63, G, 1963, 21-SW
- Syringa × persica* 'Alba'
 319-95, G, 1995, 21-NW
- Syringa pinnatifolia*
 745-93, W, China, 1993, 14-SE
- Syringa × prestoniae* (Villosae Group)
 'Alexander's Perfection'
 588-75, G, 1975, 14-SE
- Syringa × prestoniae* (Villosae Group)
 'Alexander's Pink'
 296-89, G, 1989, 14-SW

- Syringa × prestoniae* (Villosae Group)
 'Donald Wyman'
 300-91, G, 1991, 14-SW
 688-41, G, 1941, 27-NE
- Syringa × prestoniae* (Villosae Group)
 'Handel'
 719-36, G, 1936, 14-SW
- Syringa × prestoniae* (Villosae Group) 'Hecla'
 720-36, G, 1936, 14-SW
- Syringa × prestoniae* (Villosae Group) 'Hiawatha'
 764-41, G, 1941, 14-SW
- Syringa × prestoniae* (Villosae Group) 'Romeo'
 1333-38, G, 1938, 21-SW
- Syringa × prestoniae* (Villosae Group) 'Silvia'
 146-75, G, 1975, 14-SE
- Syringa × prestoniae* (Villosae Group)
 'W.T. Macoun'
 476-2003, G, 2003, 14-SE
 701-36, G, 1936, 14-SW
- Syringa protolaciniata*
 134-45, G, 1945, 21-NW
- Syringa protolaciniata × vulgaris*
 'Henri Robert'
 247-2004, G, 2004, 14-SW
 271-96, G, 1996, 21-NW
- Syringa protolaciniata* 'Kabul'
 113-91, Z, Afghanistan, 1991, 14-SE
 577-81, W, Afghanistan, 1981, 14-SE
- Syringa pubescens*
 1594, W, China, 1882, 21-NW
 18336, W, China, 1922, 21-NW
 19-95, W, China, 1995, 14-SE
- Syringa pubescens* ssp. *julianae* 'Hers'
 291-79, G, 1979, 21-NW
- Syringa pubescens* ssp. *microphylla*
 124-2003, W, China, 2003, 20-NE
 19-99, W, China, 1999, 14-SW, 20-NE, 21-NW
 72-99, G, 1999, 14-SE
- Syringa pubescens* ssp. *microphylla* × *meyeri*
 262-2006, G, 2006, 14-SE
 521-38, G, 1938, 27-SE
- Syringa reticulata*
 1111, W, Japan, 1876, 21-SE
 11188, G, 1922, 21-NW
 17353, G, 1889, 21-SE
 286-82, W, Japan, 1982, 27-SE
 423-49, G, 1949, 21-SE
 629-71, G, 1971, 21-NW
 749-90, Z, Japan, 1990, 21-NW
- Syringa reticulata* 'Ivory Silk'
 303-95, G, 1995, EG-3
- Syringa reticulata* var. *mandshurica*
 11706, W, Korea, Republic of, 1918, 21-SE
 11708, W, China, year unknown, 21-NW
 22349, U, 1926, 21-NW, 24-NE
 23061, G, 1954, 21-SE
 1033-1, G, 1922, 21-NW
 374-97, W, China, 1997, 14-SE, 20-NE,
 21-NW
- Syringa sweginzowii*
 1254-52, U, 1952, 21-SW
 221-77, W, China, 1977, 21-NW, 55-NE
- Syringa × swegiflexa*
 317-49, G, 1949, 21-NE
 701-36, G, 1936, 14-SW
- Syringa × swegiflexa* (Villosae Group)
 'Carlton'
 1335-38, G, 1938, 21-SW
- Syringa tomentella*
 6626, W, China, 1909, 21-SE
 18340, G, 1923, 21-NW
 222-77, W, China, 1977, 14-SE
 295-2002, Z, China, 2002, 21-NW
 446-28, U, 1928, 21-NW

- 758-90, Z, China, 1990, 14-SE
81-99, Z, China, 1999, 14-SW
- Syringa tomentella* var. *sweginzowii*
386-2004, W, China, 2004, 21-NE
- Syringa villosa*
17362, G, 1907, 21-NE, 21-NW
750-90, Z, China, 1990, 21-NW
- Syringa villosa* 'Charles Hepburn'
235-2004, G, 2004, 20-NE
- Syringa villosa* × *henryi*
1873-80, G, 1980, 21-SE
- Syringa vulgaris*
17363, W, Bulgaria, 1905, 21-NW
143-97, G, Romania, 1997, 14-SE, 21-NW
17363-1, Z, Bulgaria, 1928, 14-SE
603-80, G, 1980, 21-NW
949-34, W, Romania, 1934, 27-NE, 27-SE
- Syringa vulgaris* (undetermined hybrid)
514-92, G, 1992, 21-NW
- Syringa vulgaris* 'Adelaide Dunbar'
212-74, G, 1974, 14-SE
- Syringa vulgaris* 'Albert F. Holden'
124-98, G, 1998, 21-NE
- Syringa vulgaris* 'Ami Schott'
339-2004, G, 2004, 15-SW, 21-NE
- Syringa vulgaris* 'Andenken an Ludwig Spaeth'
147-2005, G, 2005, 14-SE
- Syringa vulgaris* 'Arch McKean'
340-2004, G, 2004, 15-SW
477-92, G, 1992, 14-SE
- Syringa vulgaris* 'Atheline Wilbur'
297-96, G, 1996, 21-NW
341-2004, G, 2004, 15-SW
- Syringa vulgaris* 'Aucubaefolia'
276-96, G, 1996, 20-NE
- Syringa vulgaris* 'Belle de Nancy'
308-96, G, 1996, 14-SE
- Syringa vulgaris* 'Bleuatre'
640-79, G, 1979, 27-SE
- Syringa vulgaris* 'Boussingault'
821-34, G, 1934, 14-SW
- Syringa vulgaris* 'Carmine'
20667, G, 1929, 21-NW
- Syringa vulgaris* 'Charles Joly'
4361-2, G, 1904, 21-NW
94-98, G, 1998, 14-SE
- Syringa vulgaris* 'Charm'
146-2005, G, 2005, 14-SE
516-92, G, 1992, 21-NE
- Syringa vulgaris* 'Colbert'
176-74, G, 1974, 14-SE
- Syringa vulgaris* 'Comtesse Horace de Choiseul'
7922, G, 1918, 27-NE
- Syringa vulgaris* 'De Jussieu'
17701, G, 1924, 20-NE
- Syringa vulgaris* 'Diplomate'
825-67, G, 1967, 21-NW
- Syringa vulgaris* 'Dr. Masters'
164-74, G, 1974, 14-SE
- Syringa vulgaris* 'Dr. Troyanowsky'
609-80, G, 1980, 62-SE
- Syringa vulgaris* 'Dwight D. Eisenhower'
6-2003, G, 2003, 14-SE, 21-NW, 21-SE
- Syringa vulgaris* 'Edith Cavell'
300-95, G, 1995, 21-NW
- Syringa vulgaris* 'Edmond Boissier'
188-96, G, 1996, 21-NW
- Syringa vulgaris* 'Fiala Remembrance'

- 175-96, G, 1996, 14-SE
- Syringa vulgaris* 'Frederick Law Olmsted'
186-96, G, 1996, 14-SE, 21-NW
- Syringa vulgaris* 'Fuerst Liechtenstein'
3000-1, G, 1894, 15-SW
- Syringa vulgaris* 'General John Pershing'
190-74, G, 1974, 14-SE
- Syringa vulgaris* 'General Sheridan'
172-74, G, 1974, 14-SE
- Syringa vulgaris* 'General Sherman'
11420, G, 1922, 14-SE
- Syringa vulgaris* 'Gloire de Moulins'
2978-1, G, 1895, 21-NW
- Syringa vulgaris* 'Grand-Duc Constantin'
17373, G, 1913, 14-SE
1107-77, G, 1977, 15-SW
- Syringa vulgaris* 'Henri Martin'
194-74, G, 1974, 14-SE
- Syringa vulgaris* 'Hulda'
752-93, G, 1993, 21-NE
- Syringa vulgaris* 'Humphrey'
281-79, G, 1979, 14-SW
- Syringa vulgaris* 'Jean Bart'
3456-1, G, 1895, 21-NE
- Syringa vulgaris* 'Jean Mace'
7919, G, 1918, 14-SE
799-85, G, 1985, 14-SE
- Syringa vulgaris* 'K. A. Timiryazev'
441-75, G, 1975, 21-NW
- Syringa vulgaris* 'Kapriz'
433-75, G, 1975, 21-NW
- Syringa vulgaris* 'Krasavitsa Moskvy'
342-2004, G, 2004, 14-SE, 21-NE
- Syringa vulgaris* 'Macrostachya'
3813-1, G, 1897, 21-NW
- Syringa vulgaris* 'Marc Micheli'
307-41, G, 1941, 27-NE
- Syringa vulgaris* 'Martha Stewart'
477-2003, G, 2003, 15-SW
- Syringa vulgaris* 'Maurice de Vilmorin'
5197, G, 1906, 21-NW
- Syringa vulgaris* 'Michael Buchner'
3468-1, G, 1895, 21-NW
- Syringa vulgaris* 'Miss Ellen Willmott'
176-96, G, 1996, 21-NW
298-95, G, 1995, 14-SE
578-86, G, 1986, 21-NE
615-56, G, 1956, 21-NE
- Syringa vulgaris* 'Mlle. Melide Laurent'
5199, G, 1906, 21-NW
- Syringa vulgaris* 'Mme. Antoine Buchner'
338-76, G, 1976, 14-SE
- Syringa vulgaris* 'Mme. Felix'
602-80, G, 1980, 51-SE
- Syringa vulgaris* 'Mme. Lemoine'
220-74, G, 1974, 21-NW
739-89, G, 1989, 14-SE
- Syringa vulgaris* 'Mme. Leon Simon'
17378, G, 1906, 21-NW
- Syringa vulgaris* 'Monge'
148-2005, G, 2005, 15-SW
- Syringa vulgaris* 'Mrs. W. E. Marshall'
149-2005, G, 2005, 15-SW

- Syringa vulgaris* 'Night'
748-89, G, 1989, 14-SE
- Syringa vulgaris* 'Patrick Henry'
1061-88, G, 1988, 14-SE
- Syringa vulgaris* 'Paul Thirion'
472-92, G, 1992, 21-SE
- Syringa vulgaris* 'Prairie Petite'
39-97, G, 1997, LG-3B
- Syringa vulgaris* 'President Carnot'
3804, G, 1895, 21-SW
- Syringa vulgaris* 'President Lincoln'
299-95, G, 1995, 21-NW
654-80, G, 1980, 14-SE
- Syringa vulgaris* 'President Poincare'
312-96, G, 1996, 14-SE
- Syringa vulgaris* 'Prince Notger'
3001-1, G, 1895, 21-NW
- Syringa vulgaris* 'Prince of Wales'
381-43, G, 1943, 27-NE
- Syringa vulgaris* 'Princesse Clementine'
151-2005, G, 2005, 14-SW
- Syringa vulgaris* 'Princesse Marie'
2930-1, G, 1895, 21-NW
- Syringa vulgaris* 'Rochester'
753-93, G, 1993, 15-SW
- Syringa vulgaris* 'Ruhm von Horstenstein'
258-74, G, 1974, 15-SW
- Syringa vulgaris* 'Sarah Sands'
343-2004, G, 2004, 15-SW, 21-NE
- Syringa vulgaris* 'Sensation'
344-2004, G, 2004, 14-SE, 21-NW
- Syringa vulgaris* 'Souvenir de Gaspard Callot'
860-77, G, 1977, 14-SE
- Syringa vulgaris* 'Sovetskaya Arktika'
284-68, G, 1968, 21-NW
- Syringa vulgaris* 'St Margaret'
896-73, G, 1973, 21-SE
- Syringa vulgaris* 'Thunberg'
733-67, G, 1967, 21-SE
- Syringa vulgaris* 'Tournefort'
249-74, G, 1974, 14-SE
- Syringa vulgaris* 'Triomphe de Moulins'
17734, G, 1924, 14-SE
- Syringa vulgaris* 'Triomphe d'Orleans'
2932-1, G, 1895, 21-NW
- Syringa vulgaris* 'Valetteana'
17384, G, 1916, 21-NW
- Syringa vulgaris* 'Wedgwood Blue'
152-2005, G, 2005, 21-NW
- Syringa vulgaris* 'William C. Barry'
189-74, G, 1974, 14-SE
- Syringa vulgaris* 'Wonderblue'
153-2005, G, 2005, 14-SE
- Syringa wolfii*
322-97, W, China, 1997, 14-SE, 14-SW,
21-NW
629-85, W, Korea, Democratic People's
Republic of, 1985, 21-NE, 21-NW
- Syringa wolfii* var. *hirsuta*
537-77, W, Korea, Republic of, 1977, 21-SE
- Syringa yunnanensis*
115-30, G, 1930, 21-SW
1211-76, U, 1976, 21-NW
289-2002, Z, China, 2002, 14-SW, 21-NW
746-93, W, China, 1993, 20-NE
867-78, Z, China, 1978, 21-NW
- Taxodium distichum*
274-93, W, United States, 1993, 59-NW,

- 59-SW
 365-2003, G, 2003, 59-NW
 452-92, W, United States, 1992, 3-NE,
 59-NW, 59-SW
 471-2010, G, 2010, DGB
 695-91, W, United States, 1991, LARZ
- Taxodium distichum* 'Cascade Falls'
 249-2010, G, 2010, DGB
- Taxodium distichum* 'Fastigiata'
 422-2010, G, 2010, DGB
- Taxodium distichum* 'Hurley Park'
 465-2010, G, 2010, DGB
- Taxodium distichum* 'Pendens'
 806-52, G, 1952, 22-NW
- Taxodium distichum* var. *distichum*
 21775, U, 1912, 36-SE
 110-33, W, United States, 1933, 3-SE
 1326-85, W, United States, 1985,
 BR-DAWSON-POND
 19-49, W, United States, 1949, 37-SW
 345-89, W, United States, 1989, 59-NW,
 59-SW, BR-DAWSON-POND
 624-91, W, United States, 1991, 59-NW,
 59-SW
 674-88, W, United States, 1988, 3-NE, 59-NW
- Taxodium distichum* var. *imbricarium*
 17397, U, 1905, 36-SW
 403-2010, G, 2010, DGB
- Taxodium distichum* var. *imbricarium* 'Morris'
 421-2010, G, 2010, DGB
- Taxodium distichum* var. *imbricarium* 'Nutans'
 1007-38, U, 1938, 5-SE
- Taxodium distichum* var. *imbricarium*
 'Prairie Sentinel'
 404-2010, G, 2010, DGB
- Taxus* 'Holland Seedling'
 1304-50, G, 1950, 40-SE
- Taxus 'Old Westbury'*
 630-68, G, 1968, 4-NE
- Taxus baccata*
 1329, G, 1879, 41-NE
 1227-88, Z, Bulgaria, 1988, 41-NE
 141-88, G, 1988, EG-7
 146-2007, W, Georgia, 2007, 41-NE
 1496-84, Z, Bulgaria, 1984, 40-SE
 1497-84, Z, Bulgaria, 1984, 40-SE
 26-39, U, 1939, 17-SW, 40-SE
 370-35, W, Bulgaria, 1935, 17-SW
 371-35, W, Bulgaria, 1935, 17-SW
 372-35, W, Bulgaria, 1935, 40-SE
 543-32, U, 1932, 17-SW
 546-89, W, Germany, 1989, 36-SW
 582-92, Z, Bulgaria, 1992, 40-SW
 935-34, W, Bosnia and Herzegovina, 1934,
 40-SE
- Taxus baccata* 'Adpressa'
 18725, G, 1923, 40-SW
 77-95, G, 1995, 36-SE
- Taxus baccata* 'Cheshuntensis'
 801-37, G, 1937, 36-NE
- Taxus baccata* 'Elegantissima'
 1332, G, 1880, 36-SE
- Taxus baccata* 'Ericoides'
 35-89, G, 1989, 40-SE
- Taxus baccata* 'Linearis'
 1197-28, W, country unknown, 1928, 36-NE
- Taxus baccata* 'Lutea'
 1030-38, G, 1938, 36-SE
- Taxus baccata* 'Nigra'
 16400, G, 1928, 36-NE
- Taxus baccata* 'Omberg'
 819-58, G, 1958, 40-SE
- Taxus baccata* 'Repandens'
 3560, G, 1890, 36-SW
 5219, G, 1906, 36-NE

- 1277-88, G, 1988, 36-SW
- Taxus baccata* 'Standishii'
1012-71, G, 1971, 36-SE
- Taxus baccata* 'Variegata'
1742-77, G, 1977, 57-SE
- Taxus canadensis*
1539-82, Z, United States, 1982, LG-PER-E
17402-1, Z, United States, 1891, 36-SE
601-58, W, Canada, 1958, 31-SW
- Taxus chinensis*
1395-60, G, 1960, 40-SE
48-82, G, 1939, 62-NW
654-39, G, 1939, 40-SE
- Taxus cuspidata*
2672, G, 1884, 41-NE
13470, W, Japan, 1914, 36-NE
17404, W, Japan, 1892, 36-NE, 36-SE, 36-SW,
41-NE, 41-NW
17652, G, 1924, 39-SE
20374, G, 1927, 36-NE
22087, G, 1932, 40-SW
23202, G, 1966, 39-SE
169-99, Z, Japan, 1999, 36-SW, 40-SW
283-97, W, China, 1997, 36-SW
448-90, W, Japan, 1990, 36-SW
497-52, G, 1952, DGB
- Taxus cuspidata* 'Aurescens'
10334, G, 1919, 36-NE
1531-71, G, 1971, 31-SW
- Taxus cuspidata* 'Densa'
5218, G, 1917, 36-NE
5714, G, 1907, 36-SW
- Taxus cuspidata* 'Expansa'
727-41, G, 1941, 40-SW
- Taxus cuspidata* 'Gold Dwarf'
2011-77, G, 1977, 31-NE
- Taxus cuspidata* 'Green Mountain'
709-60, G, 1960, 40-SE
- Taxus cuspidata* 'Nana'
5217, G, 1900, 36-NE
7968, G, 1917, 36-NE
21260, G, 1924, 40-SW
602-92, G, 1992, 40-SW
- Taxus floridana*
1171-89, W, United States, 1989, EG-9
1176-89, W, United States, 1989, EG-8
1178-89, W, United States, 1989, EG-8
- Taxus × hunnewelliana*
10760, G, 1921, 36-SE
17643, G, 1924, 40-SW
17644, G, 1924, 40-SW
19110, G, 1921, 40-SW
580-92, G, 1992, 40-SW
604-92, G, 1992, 36-NE
- Taxus × media*
10761, G, 1921, 45-NE
11267, G, 1922, 36-NE
17645, G, 1924, 40-SW
17646, G, 1924, 40-SE
- Taxus × media* 'Anthony Wayne'
1071-62, G, 1962, BR-17-SW
- Taxus × media* 'Beanpole'
609-72, G, 1972, DGB
- Taxus × media* 'Berryhill'
414-58, G, 1958, 40-SE
- Taxus × media* 'Brevicata'
31-52, G, 1952, 40-SE
- Taxus × media* 'Brownii'
303-38, G, 1938, 40-SW
- Taxus × media* 'Cedar Hill'
991-49, G, 1949, 40-SE
- Taxus × media* 'Chadwick'
1279-60, G, 1960, 40-SE
1538-82, G, 1982, 52-SW
- Taxus × media* 'Densiformis'

- 437-58, G, 1958, 40-SE
- Taxus × media 'Dutweilleri'*
735-36, G, 1936, 40-SW
- Taxus × media 'Flushing'*
1101-62, G, 1962, 36-NE, 40-SE
- Taxus × media 'Gem'*
606-63, G, 1963, 40-SE
- Taxus × media 'Halloriana'*
511-56, G, 1956, 40-NE
- Taxus × media 'Hatfieldii'*
17648, G, 1924, 39-SE, 40-SW
17649, G, 1924, 39-SE
- Taxus × media 'Hicksii'*
8036, G, 1919, 36-SE
10711, G, 1921, 36-NE
606-92, G, 1992, 36-NE, 36-NW, 36-SE
- Taxus × media 'Hillii'*
22-60, G, 1960, 40-SE
- Taxus × media 'Hummeri'*
1161-62, G, 1962, 36-NE
- Taxus × media 'Kelsey Upright'*
467-48, G, 1948, 40-SE
- Taxus × media 'Moon'*
36-52, G, 1962, DGB
- Taxus × media 'Taunton'*
990-49, G, 1949, 40-SE
- Taxus × media 'Thayerae'*
17653, G, 1924, 39-SE, 40-SE, 40-SW, 41-NE,
45-NE, 45-NW
302-38, G, 1938, 40-SW
- Taxus × media 'Totem'*
10-64, G, 1964, 4-SE
- Taxus × media 'Vermeulen'*
1167-62, G, 1962, BR-17-SW
- Taxus × media 'Ward'*
692-42, G, 1942, 40-SE
- Taxus × media 'Wellesleyana'*
1078-59, G, 1959, 40-SE
- Ternstroemia* sp.
436-97, W, China, 1997, 19-NW
- Tetradium daniellii*
126-67, G, 1967, 25-NE
20417-1, U, 1928, 33-NW
415-71, G, 1971, 18-SE, 24-NE
477-63, G, 1963, 33-NW
580-90, W, Korea, Republic of, 1990, 8-SW
701-2008, U, 2008, 33-NW
702-2008, U, 2008, 33-NW
- Thuja koraiensis*
412-94, W, Korea, Republic of, 1994,
LG-PER-E
477-97, W, Korea, Republic of, 1997, 31-SE
478-97, W, Korea, Republic of, 1997, 31-SE
- Thuja koraiensis* var. *austrina*
90-97, Z, Korea, Republic of, 1997, 36-NW
91-97, Z, Korea, Republic of, 1997, 31-SW
- Thuja occidentalis*
139-87, W, United States, 1987, 52-SW
312-89, W, Canada, 1989, 53-SE
313-89, W, Canada, 1989, 39-NE, 39-NW,
53-SE
41-92, W, United States, 1992, 2-NE, 2-SE
441-92, W, United States, 1992, 53-SE
494-92, W, Canada, 1992, 2-NE, 2-SE
609-93, W, United States, 1993, 53-SE
623-38, G, 1938, 36-NW
66-88, W, United States, 1988, 53-SE
746-41, G, 1941, 36-NW
820-67, G, 1967, 31-NW, 45-NE
- Thuja occidentalis* 'Argentea'
169-92, U, 1992, 36-NE, 9-NE
- Thuja occidentalis* 'Buchananii'
1357-78, G, 1978, 39-SE

- Thuja occidentalis* 'Caucasica'
63-66, G, 1966, 30-NE, 36-NW
- Thuja occidentalis* 'Columbia'
220-69, G, 1969, 31-NW
611-92, G, 1992, 2-NE, 36-NE
- Thuja occidentalis* 'Douglasii Aurea'
1050-62, G, 1962, 36-NW
- Thuja occidentalis* 'Douglasii Pyramidalis'
110-97, G, 1997, 53-SE
- Thuja occidentalis* 'Ellwangeriana Aurea'
1229-88, G, 1988, LG-PER-S
- Thuja occidentalis* 'Filiformis'
169-69, G, 1969, 31-SW
- Thuja occidentalis* 'Hancei'
5088, G, 1904, 36-NW
564-92, G, 1992, LG-PER-S
- Thuja occidentalis* 'Hetz Wintergreen'
71-60, G, 1960, 36-NW
- Thuja occidentalis* 'Holmstrup'
584-59, G, 1959, DGB
- Thuja occidentalis* 'Indomitable'
1865-65, G, 1965, 31-NW
- Thuja occidentalis* 'Little Champion'
779-73, G, 1973, 31-SW
- Thuja occidentalis* 'Lutea'
4984, G, 1903, 36-NW
1207-83, U, 1983, 57-SE
603-92, G, 1992, 31-SE, 9-NE
614-92, G, 1992, 36-NW, 9-NE
- Thuja occidentalis* 'Milleri'
1309-60, G, 1960, 31-NW
- Thuja occidentalis* 'Nigra'
519-82, G, 1982, 3-NE
- Thuja occidentalis* 'Pumila'
601-92, G, 1992, LG-7I
- Thuja occidentalis* 'Riversii'
1824-66, G, 1966, 31-NW
- Thuja occidentalis* 'Robusta Recurva'
1799-65, G, 1965, 36-NW
- Thuja occidentalis* 'Spiralis'
23207, G, 1966, 36-NW
79-59, G, 1959, 36-NE
- Thuja occidentalis* 'Umbraculifera'
132-92, G, 1992, 31-NW
- Thuja occidentalis* 'Wintergreen Pyramidal'
308-59, G, 1959, 36-NW
- Thuja occidentalis* 'Woodwardii'
609-92, G, 1992, 31-SW
- Thuja plicata*
17515, W, United States, 1880, 36-NW
17516, W, United States, 1898, 41-SE, 42-SW
23065, U, year unknown, 31-SW
10-2003, W, United States, 2003, 27-NE,
36-NE
109-49, G, 1949, 36-NW
1225-78, W, Canada, 1978, 31-SE
1474-81, W, United States, 1981, 26-NW,
39-SE
1519-67, G, 1967, 45-NE
1549-81, W, United States, 1981, 33-NW
307-57, G, 1957, 31-SW, 36-NW
313-81, W, United States, 1981, 2-SE
321-59, G, 1959, 36-NW
520-82, G, 1982, 3-NE
584-92, Z, United States, 1992, 2-NE
613-92, Z, United States, 1992, 2-NE, 36-NW
- Thuja plicata* 'Hillieri'
424-61, G, 1961, 36-NW
- Thuja plicata* 'Semperaurescens'
813-65, G, 1965, 36-NW

<i>Thuja plicata</i> 'Stoneham Gold' 342-63, G, 1963, 30-NE	<i>Tilia begonifolia</i> 655-52, G, 1952, 7-NE
<i>Thuja plicata</i> 'Zebrina Extra Gold' 1365-83, G, 1983, 62-SE, 62-SW	<i>Tilia cordata</i> 4332, G, 1900, 7-NE 6635, G, 1903, 7-NE 17522, U, 1894, 7-SE 23159, G, 1962, 27-NE 1091-38, G, 1938, 10-NE 1317-71, U, 1971, 4-SE 163-55, G, 1955, 7-SE 2158-65, G, 1965, 4-SE 2161-65, G, 1965, 10-NE 272-38, G, 1938, 10-NE 300-2005, W, Spain, 2005, 4-NE, 62-NW 442-85, W, Norway, 1985, 4-NE, 7-SE 711-52, G, 1952, 10-NW, 7-SE
<i>Thuja standishii</i> 17517, W, Japan, 1890, 36-NW 1208-83, U, 1983, 52-NE 892-72, U, Japan, 1972, 37-NW	<i>Tilia cordata</i> (variant) 11755, G, 1913, 7-SE
<i>Thuja sutchuenensis</i> 161-97, Z, China, 1997, 36-NE	<i>Tilia cordata</i> 'Greenspire' 372-64, G, 1964, 7-SE
<i>Thujopsis dolabrata</i> 1190-83, G, 1983, 33-NW 1713-77, W, Japan, 1977, DGB 635-59, G, 1959, 36-NW	<i>Tilia cordata</i> 'Swedish Upright' 12112, G, Sweden, 1906, 53-SE 179-91, G, Sweden, 1991, 7-SE 595-61, G, Sweden, 1961, 7-SE
<i>Thujopsis dolabrata</i> var. <i>hondae</i> 1163-76, G, 1976, LG-PER-S 1189-83, U, 1983, 31-NW	<i>Tilia dasystyla</i> 6634, U, 1894, 7-NE, 7-SE 17530, G, 1912, 4-SE 17561, G, 1908, 7-SE 17562, U, 1895, 7-SE 18067, G, United States, 1910, 4-SE 18393, G, 1924, 4-SE 86-73, U, 1973, 4-SE 947-54, G, 1954, 10-NW
<i>Tilia americana</i> 7141, G, 1912, 7-SE 15399, U, 1923, 10-NW 17527, G, 1897, 7-NE 17538, W, Canada, 1906, 53-SE 18066, U, United States, 1897, 7-SW 19804, W, United States, 1916, 7-SE 1323-82, W, United States, 1982, 51-NW 22-80, W, United States, 1980, 4-SE 217-66, G, 1966, 7-SW 535-2003, Z, United States, 2003, 7-NE	<i>Tilia dasystyla</i> ssp. <i>caucasica</i> 1336-80, W, Russian Federation, 1980, 4-SE 85-73, G, 1973, 7-NE
<i>Tilia americana</i> 'Redmond' 358-55, G, 1955, 7-SW 450-56, G, 1956, 7-SE	<i>Tilia × euchlora</i> 17525, U, 1898, 7-SE 19771, G, 1926, 7-SE 23158, G, 1962, 10-NE 1324-82, W, United States, 1982, 4-SE
<i>Tilia amurensis</i> 6783, U, 1909, 10-NE 145-86, U, 1986, 53-SE 2037-77, W, Korea, Republic of, 1977, 7-NW 315-97, W, China, 1997, 57-NE 370-97, W, China, 1997, 43-NE 674-29, G, 1929, 4-SE	

191-87, Z, United States, 1987, 38-SW	<i>Tilia koreana</i>
<i>Tilia × europaea</i>	
192-66, G, 1966, 10-NE	586-90, W, Korea, Republic of, 1990, 57-NE,
89-38, G, 1938, 7-SE	7-SE
90-38, G, United States, 1938, 10-NE	
<i>Tilia × europaea</i> 'Longevirens'	<i>Tilia mandshurica</i>
214-66, G, 1966, 4-SE	17532, U, 1911, 7-SE
	381-97, W, China, 1997, 7-SW
	564-79, U, 1979, 7-SE
<i>Tilia × europaea</i> var. <i>pallida</i>	<i>Tilia maximowicziana</i>
1987-65, G, 1965, 7-NE	365-93, Z, Japan, 1993, 7-SE
	606-93, Z, Japan, 1993, 57-SE
<i>Tilia × europaea</i> 'Wratislaviensis'	<i>Tilia mexicana</i>
485-65, G, 1965, 4-SE, 7-SE	1053-90, W, Mexico, 1990, 7-SW
<i>Tilia floridana</i>	<i>Tilia miqueliana</i>
563-58, Z, United States, 1958, 7-SW	12211, W, China, 1920, 10-NW
689-59, Z, United States, 1959, 7-SE	
75-2001, Z, United States, 2001, 7-SW	
<i>Tilia henryana</i>	<i>Tilia × moltkei</i>
221-87, U, 1987, 7-SW	4959, G, 1902, 7-SE
857-74, U, 1974, 4-SE	5861, G, 1909, 4-SE
<i>Tilia heterophylla</i>	<i>Tilia mongolica</i>
146-86, Z, United States, 1986, 7-SE	135-96, W, China, 1996, 50-NE
563-2003, W, United States, 2003, 7-NW	314-56, G, 1956, 7-SW
<i>Tilia × hillieri</i>	<i>Tilia monticola</i>
2159-65, G, 1965, 7-NE, 7-SW	174-91, U, United States, 1991, 10-NW
<i>Tilia insularis</i>	<i>Tilia neglecta</i>
10859, W, Japan, 1919, 4-SE	17538, W, Canada, 1906, 53-SE
138-94, Z, Japan, 1994, 7-NE	155-86, Z, Canada, 1986, 7-NE
152-86, Z, Japan, 1986, 54-SW	323-79, W, United States, 1979, 4-SE
170-91, Z, Japan, 1991, 62-NW	
<i>Tilia japonica</i>	<i>Tilia paucicostata</i>
3699, W, Japan, 1892, 7-SE	10589, G, 1920, 10-NE
147-86, Z, Japan, 1986, 4-NE, 4-SE	
445-82, U, 1982, 49-NE	
772-53, W, Japan, 1953, 4-SE	<i>Tilia platyphyllos</i>
902-76, U, 1976, 7-SE	17547, G, 1902, 7-NE
945-63, Z, Japan, 1963, 7-SW	17549, G, 1909, 7-NE
	1276-51, G, 1951, 7-NE
	340-2001, W, Germany, 2001, 7-NE
	584-66, G, 1966, 7-NE
	709-52, G, 1952, 7-SE, 7-SW
<i>Tilia kiusiana</i>	<i>Tilia platyphyllos</i> 'Aurea'
1019-86, G, Japan, 1986, 4-NE	690-65, G, 1965, 7-NE

<i>Tilia platyphyllos</i> 'Fastigiata' 583-59, U, 1959, 7-NE	<i>Torreya nucifera</i> 15810, U, 1921, 36-SE 490-97, W, Japan, 1997, EG-2, EG-3 533-40, U, 1940, 41-NW 794-34, G, 1934, 36-SE
<i>Tilia platyphyllos</i> 'Fastigiata Laciniata' 152-61, G, 1961, 7-NE	<i>Torreya nucifera</i> var. <i>igaensis</i> 453-90, W, Japan, 1990, 36-NW
<i>Tilia platyphyllos</i> 'Laciniata' 4966, U, 1902, 4-SE	<i>Torreya nucifera</i> var. <i>sphaerica</i> 454-90, G, 1990, 36-NW
<i>Tilia platyphyllos</i> 'Rubra' 436-56, G, 1956, 7-NE	<i>Torreya taxifolia</i> 1050-89, W, United States, 1989, 33-SW 1051-89, W, United States, 1989, 33-SW, 36-NW 1052-89, W, United States, 1989, 1-SW 1054-89, W, United States, 1989, 1-SW, 36-NW 1055-89, W, United States, 1989, 33-SW 1056-89, W, United States, 1989, 1-SW 1058-89, W, United States, 1989, 1-SW 1062-89, W, United States, 1989, 1-SW, 36-NW 1067-89, W, United States, 1989, 33-SW 1441-85, W, United States, 1985, 1-SW 1443-85, W, United States, 1985, 33-SW 818-87, G, 1987, 36-NW 857-87, W, United States, 1987, 36-NW
<i>Tilia platyphyllos</i> ssp. <i>cordifolia</i> 161-71, U, 1971, 4-SE 310-64, G, 1964, 10-NE 502-71, U, 1971, 4-SE	<i>Tilia pseudorubra</i> 1616-65, U, 1965, 4-SE
<i>Tilia tomentosa</i> 5862, G, 1907, 10-NE 589-85, W, Hungary, 1985, 4-SE	<i>Tilium pendulum</i> 13453, U, 1923, 7-NE 21421, G, 1930, 7-SW
<i>Tilia tomentosa</i> var. <i>erecta</i> 493-59, G, 1959, 10-NE, 10-NW	<i>Trachelospermum asiaticum</i> 362-2002, Z, China, 2002, LG-8B 480-80, W, China, 1980, 32-NE
<i>Tilia venulosa</i> 168-91, U, 1991, 4-SE	<i>Tricyrtis macropoda</i> 670-94, W, China, 1994, 3-NE
<i>Torreya grandis</i> 1088-89, W, China, 1989, 33-NW, 33-SW, 36-NW 479-80, W, China, 1980, 36-NW, 65-NW	<i>Tripterygium wilfordii</i> 1031-90, W, Japan, 1990, 22-NW 1905-77, W, Korea, Republic of, 1977, 11-NW 382-95, Z, Korea, Republic of, 1995, 19-SE, LG-1D 439-94, Z, Korea, Republic of, 1994, 19-NE
<i>Torreya grandis</i> var. <i>merrillii</i> 1087-89, G, 1989, EG-2	<i>Trochodendron aralioides</i> 332-2001, G, 2001, EG-3, EG-18

- Tsuga* sp. (Ulleung-do Type)
1251-83, W, Korea, Republic of, 1983, 26-SW,
32-NW
- Tsuga canadensis*
7632, G, 1917, 40-NE
23066, U, 1954, 32-SE, 34-NE, 34-SE, 49-NE
23084, U, 1956, 31-SW
1000-79, W, United States, 1979, 30-NW
131-72, G, 1972, LG-PER-S
1509-1, W, United States, 1882, 41-NW
165-88, W, United States, 1988, 26-SW
179-41, G, 1941, 40-NE
218-63, G, 1963, 10-SW, 34-NE
227-61, G, 1961, LG-PER-S
227-85, W, United States, 1985, 2-SE
263-47, G, 1947, 1-SW, 30-SW
267-67, G, 1967, 10-NW
316-63, W, United States, 1963, 10-NW
358-69, U, 1969, 10-SW
537-2008, U, 2008, 2-SE
622-2008, U, 2008, 2-SE
67-46, G, 1946, 40-NE
886-69, G, 1969, DGB
921-65, W, United States, 1965, 10-SW
- Tsuga canadensis* 'Abbott's #42'
1127-79, Z, United States, 1979, 49-SW
- Tsuga canadensis* 'Abbott's #50'
913-65, W, United States, 1965, 10-SW
- Tsuga canadensis* 'Albospica'
547-37, G, 1937, 40-NE
- Tsuga canadensis* 'Ashfield Weeper'
377-67, W, United States, 1967, 10-SW
- Tsuga canadensis* 'Atrovirens'
1505, G, 1880, 41-NW
- Tsuga canadensis* 'Bradshaw'
634-48, G, 1948, 40-NE
- Tsuga canadensis* 'Cesarini's Broom'
1403-67, U, United States, 1967, 10-NW
- Tsuga canadensis* 'Cinnamomea'
21-2001, G, 2001, LG-PER-S
- Tsuga canadensis* 'Cloud Prune'
1290-72, W, United States, 1972, LG-PER-E
- Tsuga canadensis* 'Cole's Prostrate'
12-80, U, 1980, DGB
- Tsuga canadensis* 'Compacta'
1680, G, 1881, 41-NW
8097, G, 1918, 31-SW
21278, G, 1930, 40-NE
- Tsuga canadensis* 'Coplen'
528-62, G, 1962, 10-SW
- Tsuga canadensis* 'Curtis'
286-65, G, 1965, 10-NW
- Tsuga canadensis* 'Dwarf White-Tip'
1648-67, G, 1967, 10-SW
- Tsuga canadensis* 'Erhle Large-Leaf'
788-58, G, 1958, 10-SW
- Tsuga canadensis* 'Fremdi'
- Tsuga canadensis* 'Gable Twiggy'
275-65, G, 1965, 10-NW
527-62, G, 1962, DGB
- Tsuga canadensis* 'Gable's Littleleaf'
1279-78, G, 1978, 2-SE
- Tsuga canadensis* 'Gracilis'
999-68, U, 1968, DGB
- Tsuga canadensis* 'Green Cascade'
598-72, G, 1972, 10-SW
- Tsuga canadensis* 'Harmon'
525-62, G, 1962, DGB
- Tsuga canadensis* 'Hiti'
196-45, G, 1945, 40-NE
72-38, G, 1938, 40-NE, 41-NW

- Tsuga canadensis* 'Horsford Contorted'
1636-67, W, United States, 1967, DGB
- Tsuga canadensis* 'Hussii'
1064-71, G, 1971, 33-NW
- Tsuga canadensis* 'Innisfree'
1026-50, G, 1950, 10-SW
842-56, G, 1956, 31-NW
- Tsuga canadensis* 'Jervis'
1761-65, G, 1965, DGB
- Tsuga canadensis* 'Kingsville'
475-59, G, 1959, 40-SE
- Tsuga canadensis* 'Livingston'
821-86, W, United States, 1986, 40-NE
- Tsuga canadensis* 'Loudon Dwarf'
280-65, G, 1965, 10-NW
- Tsuga canadensis* 'Microphylla'
1042-38, G, 1938, 40-NE
- Tsuga canadensis* 'Minima'
1762-65, G, 1965, 10-NW
- Tsuga canadensis* 'Minuta'
955-70, U, 1970, DGB
- Tsuga canadensis* 'Nana'
1393-64, G, 1964, 10-NW
274-65, G, 1965, 10-SW
279-65, G, 1965, 10-SW
- Tsuga canadensis* 'Rockland'
615-63, G, 1963, 10-SW
- Tsuga canadensis* 'Saint George'
1707-81, U, 1981, DGB
- Tsuga canadensis* 'Starker'
228-61, G, 1961, 14-NW
- Tsuga canadensis* 'Stewarts'
135-72, U, 1972, DGB
- Tsuga canadensis* 'Stockman's Dwarf'
357-69, G, 1969, 10-NW
- Tsuga canadensis* 'Stranger'
1069-71, G, 1971, 10-NW
- Tsuga canadensis* 'Taxifolia'
2244-65, G, 1965, 10-SW
- Tsuga canadensis* 'Upper Bank'
128-72, G, 1972, LG-PER-E
- Tsuga canadensis* 'Watnong Star'
667-69, W, United States, 1969, DGB
- Tsuga canadensis* 'Westonigra'
433-48, G, 1948, 40-SE
- Tsuga canadensis* 'Wyckoff'
508-62, G, 1962, 40-SE
- Tsuga canadensis* 'Youngcone'
963-70, G, 1970, 10-SW
- Tsuga canadensis* f. *pendula*
10712, G, 1921, 31-SW
15820, G, 1923, 40-NE
1514-2, G, 1881, 40-NE
1671-65, G, 1965, DGB
1724-66, G, 1966, DGB
759-31, G, 1931, 40-NE
864-38, G, 1938, DGB
- Tsuga canadensis* f. *pendula* 'Brookline'
655-66, W, United States, 1966, LARZ-B
896-80, W, United States, 1980, 37-SE
- Tsuga caroliniana*
15803, W, United States, 1886, 34-SE, 39-NE,
44-SE
19447, G, 1926, 39-NE, 3-NW, 49-SW
266-2011, U, 2011, 37-NW
342-51, G, 1951, 31-NW, 31-SW
500-82, G, United States, 1982, 57-NW
566-2010, U, 2010, 49-NE
616-2008, U, 2008, 53-SW
705-93, W, United States, 1993, 39-NE, 40-NE

Tsuga caroliniana 'Compacta'

22511, G, 1936, 41-NW
1276-68, G, 1968, DGB

Tsuga caroliniana 'Green Mound'

1260-85, G, 1985, 37-SE

Tsuga caroliniana 'LaBar Weeping'

607-71, W, United States, 1971, LG-PER-S

Tsuga chinensis

17569, W, China, 1911, 38-NW
10-97, Z, China, 1997, 30-NW
100-94, U, China, 1994, 10-SW, 14-NW,
32-NW, 32-SE, 41-NE, 41-NW, 41-SE,
41-SW, 42-SW, 46-NE, 62-SE, 62-SW
20-99, W, China, 1999, 14-NW, 32-SE, 37-SE
21-99, W, China, 1999, 14-NW, 32-SE, 32-SW
225-2003, W, China, 2003, 32-NW, 41-SE,
42-SW
226-2003, W, China, 2003, 32-SW, 41-SW,
42-NW, 42-SE, 42-SW
227-2003, W, China, 2003, 32-NW, 32-SE,
42-NW
228-2003, W, China, 2003, 26-SW, 32-NW,
32-SW, 41-SE, 42-NW
229-2003, W, China, 2003, 10-SW, 32-NE,
41-NW
230-2003, W, China, 2003, 10-SW, 14-NW,
26-SW, 41-SW
231-2003, W, China, 2003, 26-SW, 32-NW,
41-SW
232-2003, W, China, 2003, 30-SW, 41-SW
233-2003, W, China, 2003, 32-NW, 32-SW,
41-SE, 42-SW
234-2003, G, 2003, 41-SW, 42-NW, 42-SE,
42-SW
235-2003, W, China, 2003, 26-SW, 41-SE,
41-SW, 42-SW
242-2000, W, China, 2000, 32-NW, 35-NW,
41-SW, 42-NW
243-2000, W, China, 2000, 41-SE, 41-SW,
42-NW, 42-SE, 42-SW
307-2000, W, China, 2000, 37-SE
440-2003, W, China, 2003, 41-SE
944-52, Z, China, 1952, 40-NE

Tsuga chinensis var. *oblongisquamata*

132-2009, W, China, 2009, 41-SW
133-2009, W, China, 2009, 41-NW
134-2009, W, China, 2009, 41-NW
135-2009, W, China, 2009, 34-NE

Tsuga diversifolia

17571, U, 1973, 35-NW
1146-86, W, Japan, 1986, 38-NW
1837-77, W, Japan, 1977, 26-NW, 26-SW
39-82, U, 1982, 26-SW

Tsuga heterophylla

1492-81, W, United States, 1981, 57-NW
22-94, W, Canada, 1994, 26-SW
45-82, Z, United States, 1982, 2-SE
47-62, W, United States, 1962, 34-SE

Tsuga mertensiana

693-77, G, 1977, 26-NW

Tsuga mertensiana 'Quartz Mountain'

1384-67, U, 1967, DGB

Tsuga sieboldii

17577, U, 1908, 44-SE
1007-80, W, Japan, 1980, 38-NW, 57-NW
353-54, U, 1954, 40-SE

Ulex europaeus

169-94, W, France, 1994, 27-SW

Ulmus sp.

535-2008, U, 2008, 4-NE

Ulmus 'Coolshade'

561-48, G, 1948, 14-SW

Ulmus 'Hamburg'

520-53, G, 1953, 20-SE
666-50, G, 1950, 20-SE

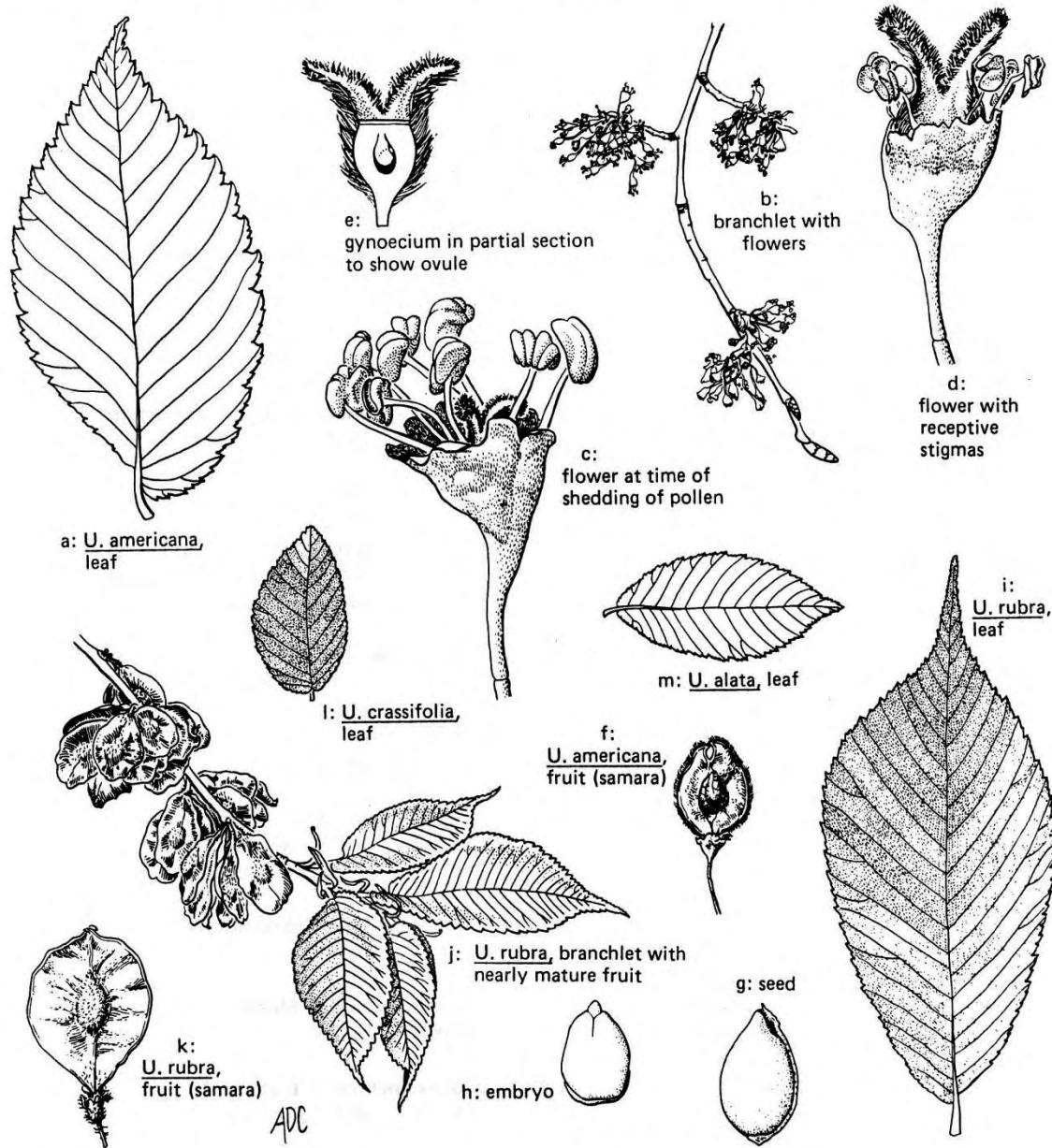
Ulmus 'Kansas Hybrid'

362-63, G, 1963, 14-SE, 20-NE

Ulmus 'Morton'

130-2002, G, 2002, 51-SE, LG-PER-W

ULMACEAE: *Ulmus*. a-h, *U. americana*; i-k, *U. rubra*; l, *U. crassifolia*; m, *U. alata*



- Ulmus 'Morton Glossy'*
132-2002, G, 2002, 20-NE
- Ulmus 'Morton Stalwart'*
131-2002, G, 2002, 20-NE
- Ulmus 'Viminalis'*
499-53, G, 1953, 20-SE
- Ulmus alata*
404-95, W, United States, 1995, 20-SW
- Ulmus americana*
250-53, G, 1953, 20-SE
371-2008, Z, United States, 2008, 20-NE,
LG-PER-W, WH2-SW
412-86, W, United States, 1986, 22-SW
- Ulmus americana 'Ascendens'*
297-2006, G, 2006, 20-NW, 62-SW
- Ulmus americana 'Fiorei'*
1238-61, G, 1961, 21-SW
- Ulmus americana 'Princeton'*
352-91, G, 1991, 20-NW, 43-NE, 51-SE,
51-SW
561-89, G, 1989, 20-SE, 20-SW, 43-SE
- Ulmus americana 'Valley Forge'*
180-2003, G, 2003, 20-NW, 20-SW,
LG-PER-W
- Ulmus carpinifolia*
326-81, G, 1981, 55-NE
- Ulmus carpinifolia 'Purpurea'*
321-81, G, 1981, 19-SE
- Ulmus carpinifolia 'Webbiana'*
761-80, G, 1980, 55-SE
- Ulmus carpinifolia* var. *cornubiensis*
17676, G, 1915, 20-SW
323-81, G, 1981, 20-SW, 26-NW
- Ulmus changii*
445-2002, W, China, 2002, 20-SE
- Ulmus crassifolia*
511-2002, W, United States, 2002, 26-NW
758-86, W, United States, 1986, LARZ
- Ulmus davidiana*
5957, W, China, 1908, 20-SE
785-80, Z, China, 1980, 20-SW
- Ulmus davidiana* var. *japonica*
4119, G, 1895, 20-SE, 20-SW
917-78, W, Korea, Republic of, 1978, 20-SE
- Ulmus glabra*
391-2001, W, Georgia, 2001, 20-NE
- Ulmus glabra* 'Camperdownii'
352-51, G, 1951, 14-SW
- Ulmus glabra* 'Nana'
448-88, G, 1988, 20-SE
- Ulmus × hollandica*
7614, G, 1917, 20-SW
325-81, G, 1981, 27-SE
92-38, G, United States, 1938, 20-NE
- Ulmus × hollandica* 'Bea Schwarz'
151-61, G, 1961, 20-SW
270-62, G, 1962, 20-NE
- Ulmus × hollandica* 'Belgica'
322-81, G, 1981, 20-SE
- Ulmus × hollandica* 'Christine Buisman'
135-54, G, 1954, 20-NW
273-46, G, 1946, 20-NE
- Ulmus × hollandica* 'Dampieri'
17876, G, 1908, 20-NW
- Ulmus × hollandica* 'Major'
241-98, G, 1998, 20-SW
- Ulmus × hollandica* 'Modiolina'
225-36, G, 1936, 20-SW
- Ulmus × hollandica* 'Pendula'
857-78, G, 1978, 33-NE

<i>Ulmus laciniata</i>	673-87, Z, China, 1987, 14-SW
17909, W, country unknown, 1913, 26-NE	
250-2001, W, Korea, Republic of, 2001, 20-SE	
<i>Ulmus laciniata</i> var. <i>nikkoensis</i>	<i>Ulmus pumila</i> (variant)
17908, W, Japan, 1905, 20-SE	451-75, G, United States, 1975, 21-SW
17908-1, Z, Japan, 1908, 26-NE	
<i>Ulmus laevis</i>	<i>Ulmus pumila</i> 'Ansalonii'
6951, G, 1910, 20-SW	636-61, G, 1961, 20-SW
17910, G, 1888, 20-NW	
637-79, G, 1979, 13-SE	
753-80, G, 1980, 62-NE	
<i>Ulmus macrocarpa</i>	<i>Ulmus pumila</i> × <i>rubra</i> 'Rosehill'
17911, U, 1911, 26-NE	748-60, G, 1960, 20-NE
387-40, U, China, 1940, 26-NW	
<i>Ulmus minor</i> 'Gracilis'	<i>Ulmus pumila</i> var. <i>arborea</i>
32-97, G, 1997, 14-SE	698-87, U, 1987, 45-SW
<i>Ulmus parvifolia</i>	925-83, U, 1983, 20-NE
17917, G, 1914, 20-SW	
1353-73, W, Korea, Republic of, 1973, 14-SE	
195-90, U, 1990, LARZ	
197-90, U, 1990, LARZ	
<i>Ulmus parvifolia</i> f. <i>lanceolata</i>	<i>Ulmus rubra</i>
1799-77, G, Korea, Republic of, 1977, 33-SW	737-88, U, 1988, 20-SW
<i>Ulmus parvifolia</i> 'Hibari'	738-88, U, 1988, 20-SE
674-67, G, 1967, 14-NE	
<i>Ulmus parvifolia</i> 'King's Choice'	<i>Ulmus thomasii</i>
287-95, G, 1995, 20-SW, EG-26-SE	444-88, G, 1988, 27-SE
<i>Ulmus parvifolia</i> 'Pathfinder'	<i>Ulmus wilsoniana</i>
135-98, U, 1998, 14-NE, 21-NW	5457, W, China, 1911, 26-NE
<i>Ulmus parvifolia</i> 'Pendens'	527-82, Z, China, 1982, 31-NE
70-45, G, 1945, 20-SE	
<i>Ulmus parvifolia</i> var. <i>coreana</i>	<i>Ulmus wilsoniana</i> × <i>davidiana</i> var. <i>japonica</i>
402-86, W, Korea, Republic of, 1986, 20-NE	170-97, G, 1997, 20-NE
<i>Ulmus pumila</i>	344-82, G, 1982, 45-NW
17923, W, country unknown, 1913, 26-NE	704-41, G, 1941, 20-SE
638-79, G, China, 1979, 20-SE	706-41, G, 1941, 20-SE
	804-80, G, 1980, 20-SE
	<i>Ulmus wilsoniana</i> 'Patriot'
	136-98, U, 1998, 21-NW, 25-NE
	<i>Ulmus wilsoniana</i> 'Prospector'
	134-2002, G, 2002, 20-NW, LG-PER-W
	<i>Uvularia</i> 'Sunbonnet'
	493-95, G, 1995, 1-SE
	<i>Vaccinium</i> 'Northblue'
	401-2002, G, 2002, LG-6E, LG-7A
	<i>Vaccinium angustifolium</i>
	196-2006, G, 2006, LG-6C, LG-7G
	279-2003, G, 2003, LG-6E

- 487-42, G, 1942, 31-SE
616-2003, G, 2003, LG-6E, LG-7A
- Vaccinium angustifolium* 'Brunswick'
267-96, G, 1996, 5-SW
615-2003, G, 2003, LG-2F
- Vaccinium angustifolium* 'Chignecto'
268-96, G, 1996, DGB
- Vaccinium arboreum*
248-89, W, United States, 1989, 31-NE
- Vaccinium boreale*
839-93, W, Canada, 1993, DGB
- Vaccinium corymbosum*
1951, W, United States, 1883, EG-2
20773, G, 1926, 31-NE
22898, U, 1950, 11-SW, 19-SW, 25-SW, 40-NE
250-34, G, 1934, 11-NW
285-2007, W, United States, 2007, 8-NW
303-97, G, 1997, 3-NE
386-71, W, Canada, 1971, 5-SW
3867-1, G, 1923, 5-SW
529-2009, U, 2009, 11-SW
530-2009, U, 2009, 11-SW
652-2008, U, 2008, 15-SE
653-2008, U, 2008, 15-SE
657-2008, U, 2008, 15-SE
- Vaccinium corymbosum* 'Dunfee'
8163, U, 1922, 11-NW
- Vaccinium corymbosum* 'Earliblue'
197-2006, G, 2006, LG-6E
- Vaccinium corymbosum* 'Grover'
20745, Z, United States, 1929, 11-NW
- Vaccinium corymbosum* 'Harding'
20746, U, 1929, 11-NW
- Vaccinium corymbosum* 'Katherine'
20747, U, 1929, 11-NW
- Vaccinium corymbosum* 'Pioneer'
20748, U, 1929, 11-NW
- Vaccinium corymbosum* 'Rubel'
20750, U, 1929, 11-NW
- Vaccinium corymbosum* 'Sam'
20751, U, 1929, 11-NW
- Vaccinium corymbosum* 'Sunshine Blue'
203-2006, G, 2006, LG-6C, LG-6E
- Vaccinium hirtum*
1907-77, W, Japan, 1977, DGB
- Vaccinium myrtilloides*
137-78, W, United States, 1978, 37-SE
- Vaccinium oldhamii*
1014-62, G, 1962, 5-SW
268-78, U, 1978, DGB
- Vaccinium ovatum*
1202-78, U, 1978, DGB
- Vaccinium pallidum*
207-76, W, United States, 1976, DGB
- Vaccinium stamineum*
19478, W, United States, 1925, 31-NE
19479, W, United States, 1925, 31-NE
20946, G, 1929, 37-NW
- Vaccinium uliginosum*
388-97, W, China, 1997, 5-NW, DGB
- Vaccinium vitis-idaea*
794-93, W, Canada, 1993, DGB
- Viburnum* sp.
1834-77, W, Japan, 1977, 13-SE
- Viburnum acerifolium*
364-84, W, Canada, 1984, 44-SE
- Viburnum betulifolium*
1736-80, W, China, 1980, 62-NW
255-2001, G, China, 2001, 13-SE
- Viburnum bitchiuense*
1797-77, W, Korea, Republic of, 1977, 13-SE

- 2047-77, W, Korea, Republic of, 1977, 13-SE
- Viburnum × bodnantense* 'Dawn'
1121-67, G, 1967, 13-SE
- Viburnum bracteatum*
6119, W, United States, 1904, 13-SW
1067-87, W, United States, 1987, 13-NE
1068-87, W, United States, 1987, 19-SW
229-98, Z, United States, 1998, 13-SE
365-2005, Z, United States, 2005, LG-3D
- Viburnum buddleifolium*
7533, G, 1914, 32-NE
- Viburnum burejaeticum*
316-2007, Z, China, 2007, LG-3M
375-97, W, China, 1997, 32-NE, EG-16
- Viburnum × burkwoodii*
815-41, G, 1941, 13-SW
- Viburnum × burkwoodii* 'Chenault'
1208-62, G, 1962, 13-SW
- Viburnum carlesii*
17981-2, G, 1925, 13-SE
892-61, G, 1961, 19-SE
- Viburnum carlesii* 'Aurora'
2163-65, G, 1965, 13-SW
- Viburnum carlesii* 'Compactum'
346-2002, G, 2002, LG-8K
- Viburnum cassinoides*
109-79, W, Canada, 1979, 59-NE
1104-81, W, United States, 1982, 50-NE
18-79, W, United States, 1979, 59-NE
874-85, W, United States, 1985, 62-NE
- Viburnum cf. corylifolium*
103-99, U, 1999, 13-SE
708-37, U, 1937, 13-SE
- Viburnum dentatum*
10-2012, U, 2012, BR-FAXON-POND
352-95, U, 1995, 3-NE
- 5070-1, G, 1902, 13-SE
8-2012, U, 2012, 3-NE
9-2012, U, 2012, BR-FAXON-POND
- Viburnum dentatum* var. *dentatum*
217-2002, G, 2002, 19-NE
1253-83, G, 1983, 19-NW
- Viburnum dentatum* var. *indianense*
101-38, G, 1938, 13-SE
293-85, W, United States, 1985, 19-NW
- Viburnum dentatum* var. *lucidum*
17985, W, United States, 1883, 13-SE
- Viburnum dentatum* var. *pubescens*
20732, G, 1925, 13-SW
1046-81, Z, United States, 1981, 39-NE
269-32, G, 1932, 13-SE
- Viburnum dentatum* var. *venosum*
18008, W, United States, 1888, 13-SE
268-85, G, 1985, 13-NE, 13-SE
- Viburnum dilatatum*
20449, G, 1927, 13-SW
138-52, W, Japan, 1952, 13-SE
1452-83, W, Japan, 1983, 13-SE
1804-77, W, Korea, Republic of, 1977, 15-SW
1872-77, W, Japan, 1977, 15-SW
821-85, Z, Japan, 1985, 13-NE
- Viburnum dilatatum* 'Catskill'
167-73, Z, Japan, 1973, 19-SW
- Viburnum dilatatum* f. *hispidum*
1120-86, Z, Japan, 1986, 39-NE, 39-SE
- Viburnum dilatatum* f. *pilosulum*
36-72, W, Korea, Republic of, 1972, 10-SW
77-90, W, Korea, Republic of, 1990, 13-NE
- Viburnum erosum*
512-83, W, Korea, Republic of, 1983, 19-NE
78-90, W, Korea, Republic of, 1990, 19-NW
963-85, W, Korea, Republic of, 1985, 19-NW

- Viburnum erubescens* var. *gracilipes*
798-65, G, 1965, 19-NW
- Viburnum farreri* 'Nanum'
293-2003, G, 2003, LG-2E
- Viburnum flavescens*
1964-80, W, China, 1980, 13-SE
- Viburnum furcatum*
17988, W, Japan, 1915, 11-SW
11-98, W, Japan, 1998, LG-8E
- Viburnum hanceanum*
360-95, U, 1995, 19-NE, 19-SE
- Viburnum hupehense*
1903-80, W, China, 1980, EG-7
- Viburnum hupehense* ssp. *hupehense*
1748-80, W, China, 1980, 51-NW
1985-80, W, China, 1980, 62-NW
80-81, W, China, 1980, 19-NW
- Viburnum hupehense* ssp. *septentrionale*
362-95, Z, China, 1995, 13-SW
- Viburnum ichangense*
51-60, G, 1960, 13-SW, 19-SE
- Viburnum ichangense* var. *atratocarpum*
125-81, W, China, 1980, 13-SE
259-2001, Z, China, 2001, 13-SE
- Viburnum × juddii*
1107-27, G, 1927, 13-SE
- Viburnum koreana*
619-88, Z, China, 1988, 13-SE
- Viburnum lantana*
1057-72, G, 1972, 10-SW
206-96, Z, Moldova, Republic of, 1996,
19-NW
- Viburnum lantana* var. *discolor*
1294-83, W, 1983, 19-NW
- Viburnum lentago*
18021, G, 1882, 13-SE
22951, G, 1951, 25-NE, 37-NW
11-2012, U, 2012, 13-SE
12-2012, U, 2012, 13-NE
1715-81, W, Canada, 1981, 13-SE
301-86, W, United States, 1986, 13-NE
306-90, W, United States, 1990, 13-SW
395-2008, U, 2008, 26-SE
795-64, W, country unknown, 1964, 25-NW
- Viburnum lobophyllum*
1166-83, Z, China, 1983, 13-SE
1875-80, W, China, 1980, 13-SE
206-2004, Z, China, 2004, 13-NE
722-68, Z, China, 1968, 19-NW
- Viburnum melanocarpum*
386-81, G, China, 1981, 13-SW
- Viburnum molle*
18294, W, United States, 1924, 13-SW
- Viburnum molle* f. *leiophyllum*
167-2000, U, 2000, 13-SE
4643-1, U, 1905, 19-SW
- Viburnum mongolicum*
254-2001, Z, China, 2001, 13-SE
- Viburnum nudum*
565-2003, W, United States, 2003, LG-3G
- Viburnum nudum* 'Winterthur'
431-2002, G, 2002, LG-3E
- Viburnum opulus*
352-78, W, Denmark, 1978, 13-NE
48-2006, Z, Denmark, 2006, LG-3E
873-85, W, United States, 1985, 55-NE
- Viburnum opulus* var. *calvescens*
287-2002, Z, Japan, 2002, 13-SE
719-88, W, Japan, 1988, 14-NW
- Viburnum plicatum*
18016-1, G, 1903, 13-SE
933-4, G, 1903, 13-NE

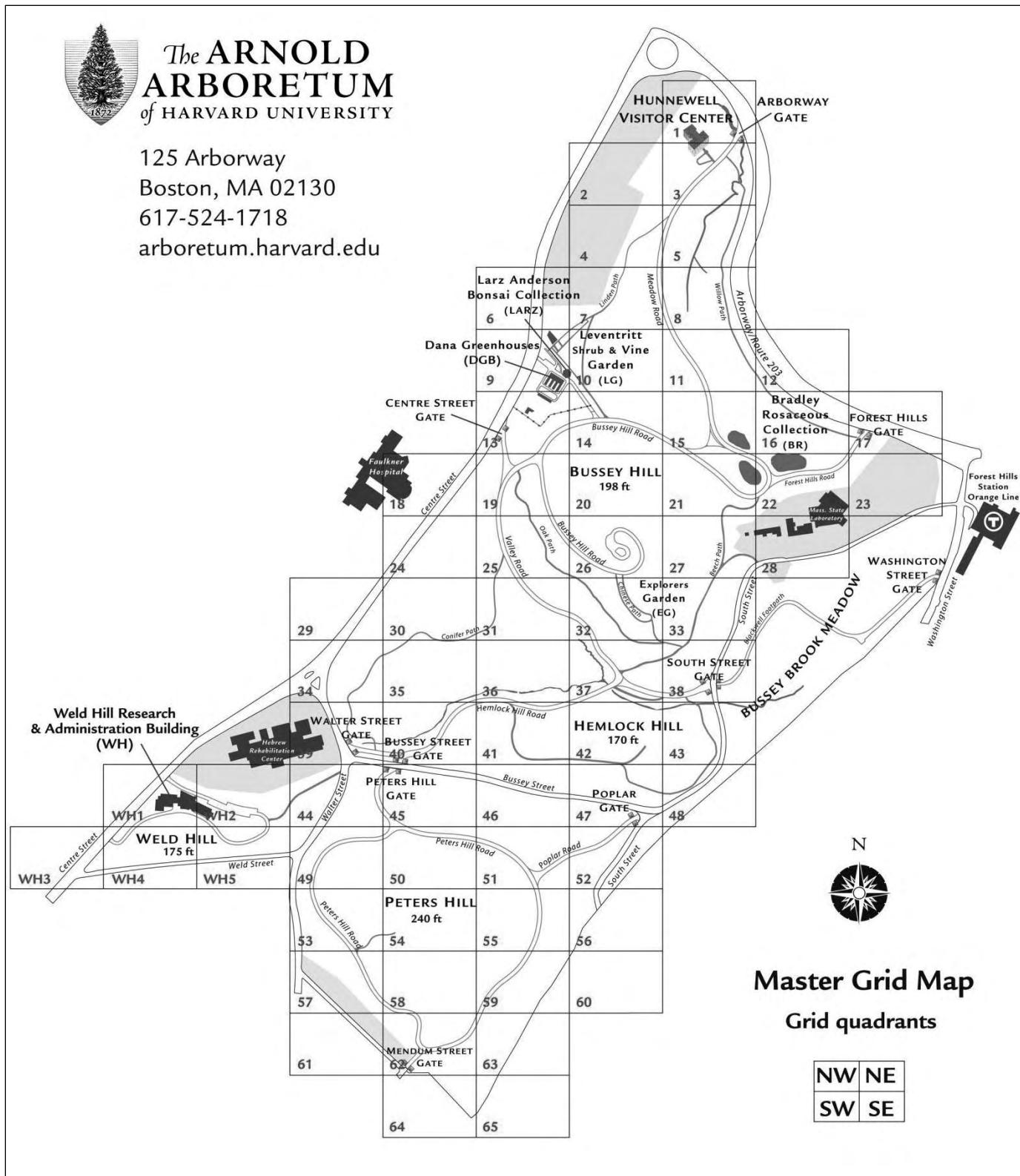
- Viburnum plicatum* 'Mariesii'
23141, G, 1962, 14-NW
- Viburnum plicatum* 'Mary Milton'
237-98, G, 1998, LG-8J
- Viburnum plicatum* 'Roseum'
912-79, G, 1979, 13-SE
- Viburnum plicatum* f. *tomentosum*
503-84, U, 1984, 19-NE
- Viburnum × pragense*
1085-76, G, 1976, 13-NE
1311-64, G, 1964, 13-SW, 19-NW
- Viburnum prunifolium*
22586, U, year unknown, 13-SW
1189-85, W, United States, 1985, 13-SW
1910-81, W, United States, 1981, 13-SE
- Viburnum rafinesquianum*
17974, G, 1880, 15-SW
227-2006, Z, Canada, 2006, 13-NE, LG-2I
365-84, W, Canada, 1984, 13-NE
480-97, W, United States, 1997, 19-SW
- Viburnum rafinesquianum* var. *affine*
18295, W, United States, 1924, 25-NE
4622-2, U, 1924, 19-NW
- Viburnum recognitum*
21064, G, 1925, 13-SE, 13-SW
1471-83, W, Canada, 1983, 19-NW, 51-SW
19-60, W, United States, 1960, 19-SE
39-68, W, Canada, 1968, 19-SE
411-64, U, 1964, 19-SE
51-2006, Z, Canada, 2006, LG-PER-N
633-93, W, United States, 1993, 19-SW
- Viburnum rhytidophyllum*
7253, U, 1907, 18-NE
1386-82, W, China, 1982, 13-SE
1387-82, W, China, 1982, 13-SW
45-81, W, China, 1980, 13-NE
57-81, W, China, 1980, 13-NE
- Viburnum rhytidophyllum* 'Roseum'
133-67, G, 1967, 19-NW
- Viburnum × rhytidophylloides*
756-79, G, 1979, 14-NW
874-57, G, 1957, 19-SE
- Viburnum × rhytidophylloides* 'Alleghany'
256-2000, G, 2000, LG-8F
- Viburnum rufidulum*
21418, G, 1930, 13-SW
3943-1, U, 1899, 13-SE
- Viburnum sargentii*
1897-80, W, China, 1980, 13-SE
1922-80, W, China, 1980, 13-NE
301-2007, Z, China, 2007, DGB
379-97, W, China, 1997, 19-NW
398-68, G, 1968, 19-NW
79-90, W, Korea, Republic of, 1990, EG-16
- Viburnum sargentii* 'Onondaga'
158-2004, G, 2004, LG-8C
- Viburnum scabrellum*
911-79, Z, United States, 1979, 14-NW
- Viburnum schensianum*
744-88, Z, country unknown, 1988, EG-15
832-63, Z, country unknown, 1963, 19-SW
- Viburnum setigerum*
1635-80, W, China, 1980, EG-15
305-2002, Z, China, 2002, 13-SE
- Viburnum setigerum* 'Aurantiacum'
19085, W, China, 1908, 13-SE
20189, W, China, 1907, 13-NE
577-87, Z, China, 1987, EG-15, EG-16
- Viburnum sieboldii*
398-62, G, 1962, DGB
616-6, G, 1913, 13-SE, 15-SW
- Viburnum sieboldii* 'Seneca'
619-71, G, 1971, 19-SW

- Viburnum trilobum*
22900, U, year unknown,
BR-FAXON-POND
1097-60, G, 1960, 19-SE
361-2006, W, United States, 2006, LG-2I
- Viburnum utile*
638-94, W, China, 1994, LG-8E
- Viburnum veitchii*
101-81, W, China, 1980, 62-NW
457-94, Z, China, 1994, 19-SW
- Viburnum wrightii*
1825-77, W, Japan, 1977, 62-NW
19-87, Z, Japan, 1987, 33-NE
- Viburnum wrightii* var. *eglandulosum*
825-63, G, 1963, 13-NW
- Vinca minor* 'Bowles' Variety'
1463-61, G, 1961, 9-NE
- Vitex negundo* var. *heterophylla*
264-75, G, 1975, 15-SW
- Vitex rotundifolia*
132-2001, W, Japan, 2001, LG-7I
- Vitis* sp.
933-79, W, United States, 1979, 44-NE
- Vitis aestivalis* var. *argentifolia*
1213-76, W, United States, 1976, 11-NE
150-87, W, United States, 1987, LG-9B.14
- Vitis × andersonii*
709-54, G, 1954, 52-SW
- Vitis betulifolia*
112-81, W, China, 1980, LG-10A.3
- Vitis champinii*
712-54, U, 1954, 52-NE
- Vitis coignetiae*
63-92, W, Japan, 1992, LG-10B.16, LG-PER-S
95-92, W, Japan, 1992, LG-9C.23
- Vitis davidii*
1096-78, G, 1978, 8-SE
- Vitis flexuosa*
1106-78, W, Korea, Republic of, 1978, 47-SE
710-54, Z, Japan, 1954, 52-NE
813-54, W, Japan, 1953, 52-SW
- Vitis flexuosa* var. *tsukubana*
1034-74, G, 1974, 8-NE
- Vitis pentagona*
999-76, G, 1976, 44-NE
- Vitis piasezkii* var. *pagnuccii*
1994-80, W, China, 1980, LG-9C.25
- Vitis riparia*
1739-81, W, Canada, 1981, LG-10A.7
302-89, W, United States, 1989, LG-10B.14
- Vitis vinifera* 'Purpurea'
353-2006, G, 2006, LG-9C.27
- Vitis vinifera* × *amurensis* 'Beichun'
331-84, G, 1984, LG-10B.4
- Vitis vinifera* × *amurensis* 'Beihong'
332-84, G, 1984, LG-10B.5, LG-PER-S
- Weigela* 'Bristol Ruby'
384-83, G, 1983, 13-SE
- Weigela coraeensis*
222-2002, G, 2002, 14-NW
- Weigela decora*
1928-77, W, Japan, 1977, 59-SW
81-90, W, Korea, Republic of, 1990, 14-NW
- Weigela floribunda*
1019-90, W, Japan, 1990, 14-NW
- Weigela florida*
125-2003, W, China, 2003, LG-7C
132-96, W, China, 1996, 14-NW
215-2001, U, 2001, 14-SE
402-92, Z, Korea, Republic of, 1992, 14-SE

- 404-86, W, Korea, Republic of, 1986, 45-SW
 411-94, W, Korea, Republic of, 1994, 14-NW
 844-84, U, 1984, 14-NW
 854-84, U, 1984, 14-NW
- Weigela florida* 'Bramwell'
 186-2006, G, 2006, LG-2H
- Weigela florida* 'Foliis Purpureis'
 388-83, G, 1983, 13-SE
- Weigela florida* 'Rubidor'
 625-90, G, 1990, 33-NE, 33-NW
- Weigela florida* var. *venusta*
 817-84, Z, Korea, Republic of, 1984, 14-NE
- Weigela hortensis*
 130-2001, W, Japan, 2001, 14-NW
 279-84, W, Japan, 1984, 14-NW
 414-2007, W, Japan, 2007, 14-NW
- Weigela japonica*
 1104-89, W, China, 1989, 33-NE, 33-NW
- Weigela japonica* var. *sinica*
 1051-83, U, 1983, 13-SE
 1317-84, Z, China, 1984, 13-SE
- Weigela maximowiczii*
 167-97, G, 1997, 14-SE
 199-73, G, 1973, 32-SW
- Weigela praecox*
 966-85, W, Korea, Republic of, 1985, 51-NW,
 52-SW
- Weigela praecox* 'Bouquet Rose'
 843-84, G, 1984, 13-NE
- Weigela praecox* 'Gracieux'
 164-2000, G, 2000, 14-NW
- Weigela sachalinensis*
 422-93, W, Korea, Republic of, 1993, 14-SE
- Weigela subsessilis*
 175-2000, Z, Korea, Republic of, 2000, 32-SE
- 176-2000, Z, Korea, Republic of, 2000, LG-2K
 1901-77, W, Korea, Republic of, 1977, 32-SW
 1906-77, W, Korea, Republic of, 1977, 14-NW
 218-2001, Z, Korea, Republic of, 2001, 32-SE
 219-2001, Z, Korea, Republic of, 2001, 32-SW
 317-2001, W, Korea, Republic of, 2001,
 14-NW, 32-SE
 362-91, G, 1991, 27-NW
 409-92, Z, Korea, Republic of, 1992, EG-8
 587-83, Z, Korea, Democratic People's
 Republic of, 1983, 33-SW
- Wikstroemia trichotoma*
 288-2001, G, Korea, Republic of, 2001, LG-1D
- Wisteria floribunda*
 1008-89, W, Japan, 1989, LG-4
 1894-77, W, Japan, 1977, 19-SW
- Wisteria floribunda* 'Issai Perfect'
 354-2006, G, 2006, LG-9A.3
- Wisteria floribunda* 'Shiro Noda'
 1128-81, G, 1981, 44-NE
- Wisteria frutescens*
 1414-85, W, United States, 1985, LG-PER-S
 532-92, W, United States, 1992, LG-10A.2
 623-91, W, United States, 1991, LG-4
- Wisteria frutescens* 'Aunt Dee'
 223-2002, G, 2002, LG-5
 260-2000, G, 2000, LG-5
 409-2003, G, 2003, LG-5
- Wisteria frutescens* 'Blue Moon'
 359-2003, G, 2003, LG-10A.5, LG-PER-S
- Wisteria frutescens* 'Longwood Purple'
 192-2001, G, 2001, LG-4
- Wisteria frutescens* 'Nivea'
 225-2002, G, 2002, LG-4
- Wisteria sinensis*
 1132-81, G, 1981, 44-NE
 1225-89, W, China, 1989, LG-4
 296-2008, W, China, 2008, LG-9A.1

<i>Wisteria sinensis</i> 'Caroline'	685-84, W, United States, 1984, 62-SW
355-2006, G, 2006, LG-9A.4	
<i>Wisteria venusta</i> 'White Silk'	<i>Zanthoxylum simulans</i>
200-2007, G, 2007, LG-9A.5	1210-70, G, 1971, 19-NW
	1803-77, G, Korea, Republic of, 1977, 8-SW
<i>Xanthoceras sorbifolia</i>	<i>Zelkova schneideriana</i>
1293-79, W, China, 1979, 32-NE	1294-79, W, China, 1979, 20-SW
488-80, W, China, 1980, 11-NW, EG-26-SE	489-80, W, China, 1980, 14-NW, 20-NE
	773-94, W, China, 1994, 14-NW
<i>Xanthorhiza simplicissima</i>	<i>Zelkova serrata</i>
17610, W, United States, 1886, 11-SW, 15-SE	10792, G, 1920, 54-SW
113-2007, W, United States, 2007, LG-PER-W	11115, G, 1919, 14-NE
447-93, U, 1993, 3-NW	19192, G, 1925, 14-NE, 14-NW
79-98, G, 1998, 15-SE	1813-77, W, Korea, Republic of, 1977, 20-NW
	497-79, G, 1979, 14-NW
<i>Yucca glauca</i>	<i>Zelkova serrata</i> 'Green Veil'
432-81, W, Canada, 1981, 25-SW, 31-NW	512-82, G, 1982, LG-PER-S
<i>Zabelia biflora</i>	<i>Zelkova serrata</i> 'Schmidtlow'
109-98, W, China, 1998, 21-NW	135-2002, G, 2002, 14-SW, 53-SE
504-93, Z, China, 1993, 21-NW	
94-23, W, China, 1923 18-SE	
<i>Zamia furfuraceae</i>	<i>Zelkova serrata</i> 'Village Green'
943-76, U, 1976, WH-INTERIOR	659-66, G, 1966, 14-NW
<i>Zamia integrifolia</i>	<i>Zelkova sinica</i>
270-2011, W, United States, 2011, WH-INTERIOR	11578, G, 1920, 14-NE
283-2011, W, United States, 2011, WH-INTERIOR	12215, W, China, 1920, 14-NE
	288-80, Z, China, 1980, 20-SW
	766-84, W, China, 1984, 14-SE, 55-NE
<i>Zanthoxylum alatum</i> var. <i>subtrifoliatum</i>	<i>Zenobia pulverulenta</i>
811-80, G, 1980, 11-NW	21087, G, 1930, 37-NW
<i>Zanthoxylum americanum</i>	114-2007, W, United States, 2007, 5-NW,
118-79, W, Canada, 1979, 11-NW	8-NW

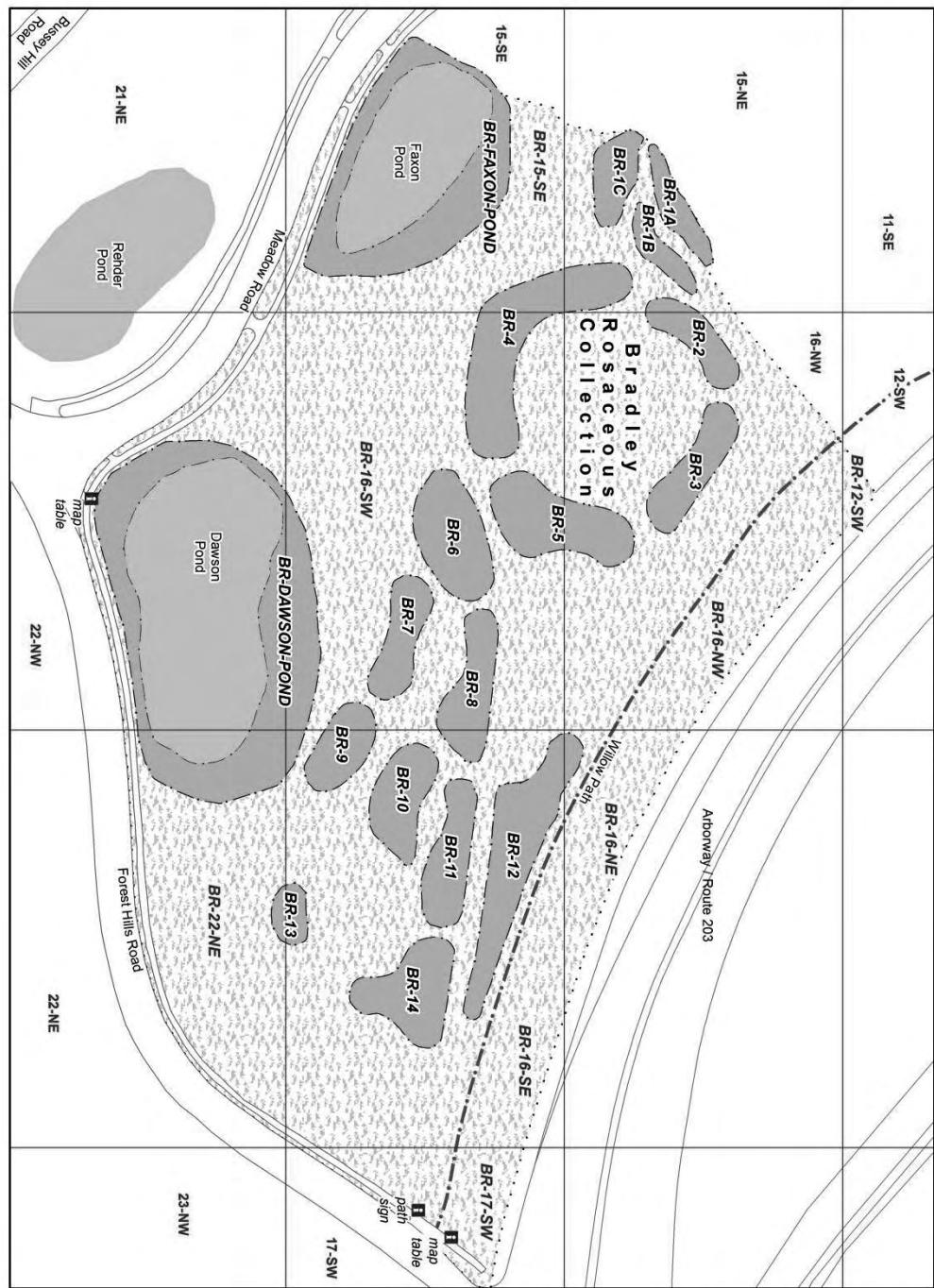
APPENDIX I: MAPS



Bradley Rosaceous Collection (BR)

Location Key

2/8/2012

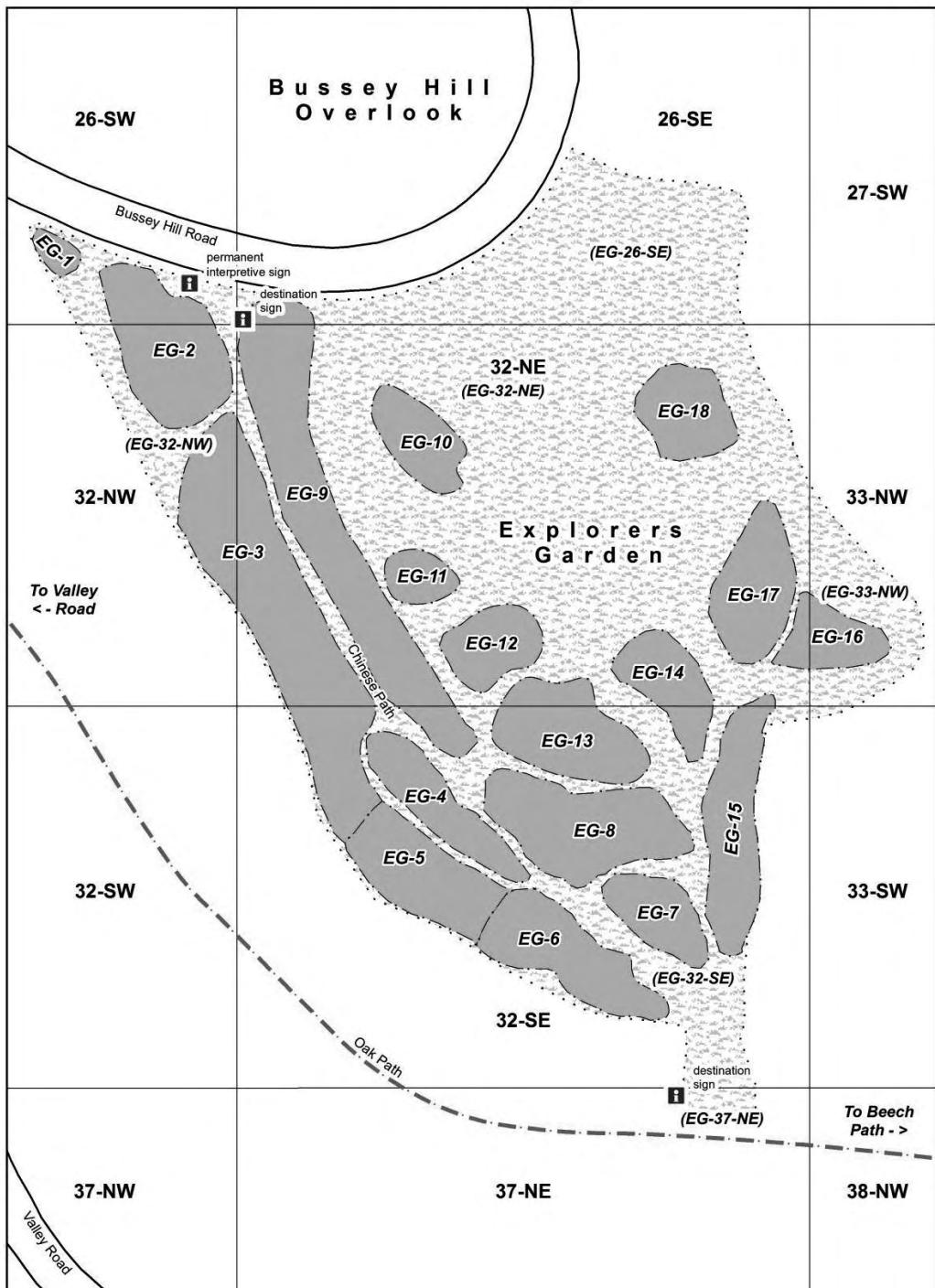


N
1 in = 102 ft

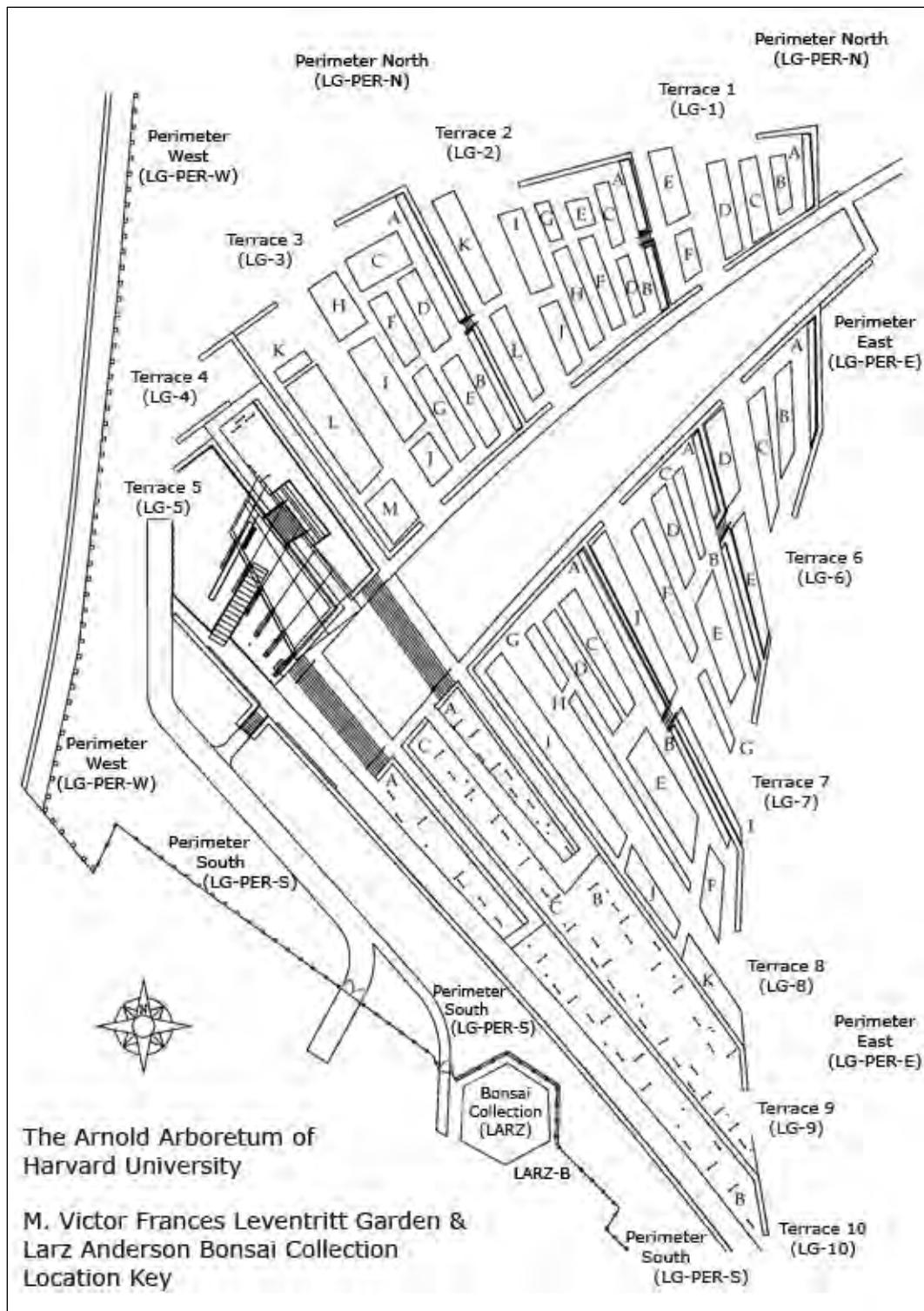
Explorers Garden (EG)

Location Key

2/8/2012



1 in = 75 ft



APPENDIX II: INDEX OF GENERA WITH THEIR FAMILY AFFILIATION

<i>Abelia</i>	Caprifoliaceae	<i>Camellia</i>	Theaceae
<i>Abeliophyllum</i>	Oleaceae	<i>Campsis</i>	Bignoniaceae
<i>Abies</i>	Pinaceae	<i>Caragana</i>	Fabaceae
<i>Acer</i>	Sapindaceae	<i>Carpinus</i>	Betulaceae
<i>Aconitum</i>	Ranunculaceae	<i>Carya</i>	Juglandaceae
<i>Actinidia</i>	Actinidiaceae	<i>Caryopteris</i>	Verbenaceae
<i>Aesculus</i>	Sapindaceae	<i>Castanea</i>	Fagaceae
<i>Ailanthus</i>	Simaroubaceae	<i>Catalpa</i>	Bignoniaceae
<i>Akebia</i>	Lardizabalaceae	<i>Cathaya</i>	Pinaceae
<i>Albizia</i>	Fabaceae	<i>Ceanothus</i>	Rhamnaceae
<i>Alnus</i>	Betulaceae	<i>Cedrela</i>	Meliaceae
<i>Amelanchier</i>	Rosaceae	<i>Cedrus</i>	Pinaceae
<i>×Amelasorus</i>	Rosaceae	<i>Celastrus</i>	Celastraceae
<i>Amorpha</i>	Fabaceae	<i>Celtis</i>	Cannabaceae
<i>Ampelopsis</i>	Vitaceae	<i>Cephalanthus</i>	Rubiaceae
<i>Andrachne</i>	Euhorbiaceae	<i>Cephalotaxus</i>	Cephalotaxaceae
<i>Andromeda</i>	Ericaceae	<i>Cercidiphyllum</i>	Cercidiphyllaceae
<i>Angelica</i>	Apiaceae	<i>Cercis</i>	Fabaceae
<i>Aralia</i>	Araliaceae	<i>Chaenomeles</i>	Rosaceae
<i>Arctostaphylos</i>	Ericaceae	<i>Chamaecyparis</i>	Cupressaceae
<i>Arisaema</i>	Araceae	<i>Chamaedaphne</i>	Ericaceae
<i>Aristolochia</i>	Aristolochiaceae	<i>Chimonanthus</i>	Calycanthaceae
<i>Aronia</i>	Rosaceae	<i>Chionanthus</i>	Oleaceae
<i>Aruncus</i>	Rosaceae	<i>Chosenia</i>	Salicaceae
<i>Arundinaria</i>	Poaceae	<i>Chrysanthemum</i>	Asteraceae
<i>Asarum</i>	Aristolochiaceae	<i>Cimicifuga</i>	Ranunculaceae
<i>Asimina</i>	Annonaceae	<i>Cissus</i>	Vitaceae
<i>Astilbe</i>	Saxifragaceae	<i>Cladrastis</i>	Fabaceae
<i>Astilboides</i>	Saxifragaceae	<i>Clematis</i>	Ranunculaceae
<i>Aucuba</i>	Cornaceae	<i>Clerodendrum</i>	Verbenaceae
<i>Berberis</i>	Berberidaceae	<i>Clethra</i>	Clethraceae
<i>Berchemia</i>	Rhamnaceae	<i>Cocculus</i>	Menispermaceae
<i>Betula</i>	Betulaceae	<i>Colutea</i>	Fabaceae
<i>Bignonia</i>	Bignoniaceae	<i>Comptonia</i>	Myricaceae
<i>Boehmeria</i>	Urticaceae	<i>Corema</i>	Empetraceae
<i>Broussonetia</i>	Moraceae	<i>Coriaria</i>	Coriariaceae
<i>Buckleya</i>	Santalaceae	<i>Cornus</i>	Cornaceae
<i>Buddleia</i>	Loganiaceae	<i>Corylopsis</i>	Hamamelidaceae
<i>Bumelia</i>	Sapotaceae	<i>Corylus</i>	Betulaceae
<i>Buxus</i>	Buxaceae	<i>Cotinus</i>	Anacardiaceae
<i>Callicarpa</i>	Verbenaceae	<i>Cotoneaster</i>	Rosaceae
<i>Calluna</i>	Ericaceae	<i>Crataegus</i>	Rosaceae
<i>Calocedrus</i>	Cupressaceae	+ <i>Crataemespilus</i>	Rosaceae
<i>Calycanthus</i>	Calycanthaceae	<i>Cryptomeria</i>	Taxodiaceae

<i>Cudrania</i>	Moraceae	<i>Grewia</i>	Tiliaceae
<i>xCupressocyparis</i>	Cupressaceae	<i>Gymnocladus</i>	Fabaceae
<i>Cupressus</i>	Cupressaceae	<i>Hakonechloa</i>	Poaceae
<i>Cycas</i>	Cycadaceae	<i>Halesia</i>	Styracaceae
<i>Cydonia</i>	Rosaceae	<i>Hamamelis</i>	Hamamelidaceae
<i>Cyrilla</i>	Cyrillaceae	<i>Hedera</i>	Araliaceae
<i>Cytisus</i>	Fabaceae	<i>Helwingia</i>	Cornaceae
<i>Daphne</i>	Thymelaeaceae	<i>Hemerocallis</i>	Liliaceae
<i>Davidia</i>	Nyssaceae	<i>Hemiptelea</i>	Ulmaceae
<i>Decodon</i>	Lythraceae	<i>Heptacodium</i>	Caprifoliaceae
<i>Decumaria</i>	Saxifragaceae	<i>Hibiscus</i>	Malvaceae
<i>Deutzia</i>	Saxifragaceae	<i>Hosta</i>	Liliaceae
<i>Dierville</i>	Caprifoliaceae	<i>Hovenia</i>	Rhamnaceae
<i>Diospyros</i>	Ebenaceae	<i>Humulus</i>	Cannabaceae
<i>Dipelta</i>	Caprifoliaceae	<i>Hydrangea</i>	Saxifragaceae
<i>Dirca</i>	Thymelaeaceae	<i>Hypericum</i>	Clusiaceae
<i>Disporum</i>	Liliaceae	<i>Ilex</i>	Aquifoliaceae
<i>Dracunculus</i>	Araceae	<i>Indigofera</i>	Fabaceae
<i>Ehretia</i>	Boraginaceae	<i>Indocalamus</i>	Poaceae
<i>Elaeagnus</i>	Elaeagnaceae	<i>Itea</i>	Saxifragaceae
<i>Eleutherococcus</i>	Araliaceae	<i>Jasminum</i>	Oleaceae
<i>Elliottia</i>	Ericaceae	<i>Jeffersonia</i>	Berberidaceae
<i>Elsholtzia</i>	Lamiaceae	<i>Juglans</i>	Juglandaceae
<i>Empetrum</i>	Empetraceae	<i>Juniperus</i>	Cupressaceae
<i>Enkianthus</i>	Ericaceae	<i>Kalmia</i>	Ericaceae
<i>Ephedra</i>	Ephedraceae	<i>Kalopanax</i>	Araliaceae
<i>Epimedium</i>	Berberidaceae	<i>Kerria</i>	Rosaceae
<i>Erica</i>	Ericaceae	<i>Koelreuteria</i>	Sapindaceae
<i>Eucommia</i>	Eucommiaceae	<i>Kolkwitzia</i>	Caprifoliaceae
<i>Euonymus</i>	Celastraceae	<i>+Laburnocytisus</i>	Fabaceae
<i>Euptelea</i>	Eupteleaceae	<i>Laburnum</i>	Fabaceae
<i>Exochorda</i>	Rosaceae	<i>Larix</i>	Pinaceae
<i>Fagus</i>	Fagaceae	<i>Lavandula</i>	Labiatae
<i>Fallopia</i>	Polygonaceae	<i>Ledum</i>	Ericaceae
<i>Fargesia</i>	Gramineae	<i>Leitneria</i>	Leitneriaceae
<i>Flueggea</i>	Euphorbiaceae	<i>Leptodermis</i>	Rubiaceae
<i>Fontanesia</i>	Oleaceae	<i>Lespedeza</i>	Fabaceae
<i>Forestiera</i>	Oleaceae	<i>Leucosceptrum</i>	Lamiaceae
<i>Forsythia</i>	Oleaceae	<i>Leucothoe</i>	Ericaceae
<i>Fortunearia</i>	Hamamelidaceae	<i>Ligustrum</i>	Oleaceae
<i>Fothergilla</i>	Hamamelidaceae	<i>Lindera</i>	Lauraceae
<i>Franklinia</i>	Theaceae	<i>Liquidambar</i>	Hamamelidaceae
<i>Fraxinus</i>	Oleaceae	<i>Liriodendron</i>	Magnoliaceae
<i>Gaylussacia</i>	Ericaceae	<i>Liriopae</i>	Liliaceae
<i>Genista</i>	Fabaceae	<i>Lithocarpus</i>	Fagaceae
<i>Geranium</i>	Geraniaceae	<i>Lonicera</i>	Caprifoliaceae
<i>Ginkgo</i>	Ginkgoaceae	<i>Loropetalum</i>	Hamamelidaceae
<i>Gleditsia</i>	Fabaceae	<i>Lycium</i>	Solanaceae

<i>Lyonia</i>	Ericaceae	<i>Platanus</i>	Platanaceae
<i>Maackia</i>	Fabaceae	<i>Platycarya</i>	Juglandaceae
<i>Maclura</i>	Moraceae	<i>Platycladus</i>	Cupressaceae
<i>Maddenia</i>	Rosaceae	<i>Pleioblastus</i>	Poaceae
<i>Magnolia</i>	Magnoliaceae	<i>Poliothyrsis</i>	Flacourtiaceae
<i>✗Mahoberberis</i>	Berberidaceae	<i>Polygonatum</i>	Liliaceae
<i>Mahonia</i>	Berberidaceae	<i>Poncirus</i>	Rutaceae
<i>Malus</i>	Rosaceae	<i>Populus</i>	Salicaceae
<i>Meliosma</i>	Sabiaceae	<i>Potentilla</i>	Rosaceae
<i>Menispermum</i>	Menispermaceae	<i>Prinsepia</i>	Rosaceae
<i>Menziesia</i>	Ericaceae	<i>Prunus</i>	Rosaceae
<i>Mespilus</i>	Rosaceae	<i>Pseudolarix</i>	Pinaceae
<i>Metasequoia</i>	Taxodiaceae	<i>Pseudotsuga</i>	Pinaceae
<i>Microbiota</i>	Cupressaceae	<i>Ptelea</i>	Rutaceae
<i>Misanthus</i>	Poaceae	<i>Pterocarya</i>	Juglandaceae
<i>Mitchella</i>	Rubiaceae	<i>Pterostyrax</i>	Styracaceae
<i>Morus</i>	Moraceae	<i>Pyracantha</i>	Rosaceae
<i>Mukdenia</i>	Saxifragaceae	<i>Pyrus</i>	Rosaceae
<i>Myrica</i>	Myricaceae	<i>Quercus</i>	Fagaceae
<i>Neillia</i>	Rosaceae	<i>Rhamnus</i>	Rhamnaceae
<i>Neviusia</i>	Rosaceae	<i>Rhododendron</i>	Ericaceae
<i>Nyssa</i>	Nyssaceae	<i>Rhodotypos</i>	Rosaceae
<i>Oemleria</i>	Rosaceae	<i>Rhus</i>	Anacardiaceae
<i>Ophiopogon</i>	Liliaceae	<i>Ribes</i>	Saxifragaceae
<i>Orixa</i>	Rutaceae	<i>Robinia</i>	Fabaceae
<i>Osmanthus</i>	Oleaceae	<i>Rodgersia</i>	Saxifragaceae
<i>Ostrya</i>	Betulaceae	<i>Rosa</i>	Rosaceae
<i>Oxydendrum</i>	Ericaceae	<i>Rubus</i>	Rosaceae
<i>Pachysandra</i>	Buxaceae	<i>Sageretia</i>	Rhamnaceae
<i>Paeonia</i>	Ranunculaceae	<i>Salix</i>	Salicaceae
<i>Parrotia</i>	Hamamelidaceae	<i>Sambucus</i>	Adoxaceae
<i>Parrotiopsis</i>	Hamamelidaceae	<i>Sanguinaria</i>	Papaveraceae
<i>Parthenocissus</i>	Vitaceae	<i>Sanguisorba</i>	Rosaceae
<i>Paulownia</i>	Scrophulariaceae	<i>Sapindus</i>	Sapindaceae
<i>Persea</i>	Lauraceae	<i>Sarcococca</i>	Buxaceae
<i>Petasites</i>	Asteraceae	<i>Sasa</i>	Poaceae
<i>Petteria</i>	Fabaceae	<i>Sassafras</i>	Lauraceae
<i>Phellodendron</i>	Rutaceae	<i>Schisandra</i>	Magnoliaceae
<i>Philadelphus</i>	Saxifragaceae	<i>Schizophragma</i>	Saxifragaceae
<i>Photinia</i>	Rosaceae	<i>Sciadopitys</i>	Taxodiaceae
<i>✗Phylliopsis</i>	Ericaceae	<i>Sequoiadendron</i>	Taxodiaceae
<i>Phyllostachys</i>	Poaceae	<i>Shepherdia</i>	Elaeagnaceae
<i>Physocarpus</i>	Rosaceae	<i>Shibataea</i>	Poaceae
<i>Picea</i>	Pinaceae	<i>Sinojackia</i>	Styracaceae
<i>Picrasma</i>	Simaroubaceae	<i>Sinowilsonia</i>	Hamamelidaceae
<i>Pieris</i>	Ericaceae	<i>Smilax</i>	Smilacaceae
<i>Pinus</i>	Pinaceae	<i>Sophora</i>	Fabaceae
<i>Pistacia</i>	Anacardiaceae	<i>Sorbaria</i>	Rosaceae

<i>Sorbaronia</i>	Rosaceae	<i>Trachelospermum</i>	Apocynaceae
<i>Sorbocotoneaster</i>	Rosaceae	<i>Tricyrtis</i>	Liliaceae
<i>Sorbopyrus</i>	Rosaceae	<i>Tripterygium</i>	Celastraceae
<i>Sorbus</i>	Rosaceae	<i>Trochodendron</i>	Trochodendraceae
<i>Spiraea</i>	Rosaceae	<i>Tsuga</i>	Pinaceae
<i>Stachyurus</i>	Stachyuraceae	<i>Ulex</i>	Fabaceae
<i>Staphylea</i>	Staphyleaceae	<i>Ulmus</i>	Ulmaceae
<i>Stephanandra</i>	Rosaceae	<i>Uvularia</i>	Liliaceae
<i>Stewartia</i>	Theaceae	<i>Vaccinium</i>	Ericaceae
<i>Stranvaesia</i>	Rosaceae	<i>Viburnum</i>	Adoxaceae
<i>Styphnolobium</i>	Fabaceae	<i>Vinca</i>	Apocynaceae
<i>Styrax</i>	Styracaceae	<i>Vitex</i>	Verbenaceae
<i>Sycoparrotia</i>	Hamamelidaceae	<i>Vitis</i>	Vitaceae
<i>Symporicarpos</i>	Caprifoliaceae	<i>Weigela</i>	Caprifoliaceae
<i>Symplocos</i>	Symplocaceae	<i>Wikstroemia</i>	Thymelaeaceae
<i>Syneilesis</i>	Asteraceae	<i>Wisteria</i>	Fabaceae
<i>Syringa</i>	Oleaceae	<i>Xanthoceras</i>	Sapindaceae
<i>Taxodium</i>	Taxodiaceae	<i>Xanthorrhiza</i>	Ranunculaceae
<i>Taxus</i>	Taxaceae	<i>Yucca</i>	Liliaceae
<i>Ternstroemia</i>	Theaceae	<i>Zabelia</i>	Caprifoliaceae
<i>Tetradium</i>	Rutaceae	<i>Zamia</i>	Zamiaceae
<i>Thuja</i>	Cupressaceae	<i>Zanthoxylum</i>	Rutaceae
<i>Thujopsis</i>	Cupressaceae	<i>Zelkova</i>	Ulmaceae
<i>Tilia</i>	Tiliaceae	<i>Zenobia</i>	Ericaceae
<i>Torreya</i>	Taxaceae		