



HESSEL PARK
Tree Walk



**CHAMPAIGN
PARK DISTRICT**



Acknowledgements



CHAMPAIGN
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*Thanks to Rick Phillippe at the University of Illinois Herbarium -
our source for leaves in February!*



champaignparks.org

WELCOME TO *Hessel Park!*

Hessel Park, located off Kirby Avenue in Champaign, is a 26.9 acre park that is easily one of the most used parks in Champaign-Urbana. Because of its central location, ease of access and variety of park amenities, Hessel Park has been a favorite with both residents and visitors since the land was first donated in 1918.

In addition to the many park amenities like pavilions, basketball and tennis courts, playgrounds, and grills, Hessel Park boasts one of the largest tree populations within the Champaign Park District. With over 50 different species of trees dotting the landscape of this beautiful park, you're sure to find something of interest.

Featured in this brochure are drawings provided by Jean Burrige, International Society of Arboriculture (ISA) Certified Arborist, and descriptions of 44 of the more common species of trees that currently exist in Hessel Park. The purpose of the brochure is to provide opportunities for area school children and residents to learn about trees in central Illinois, and through a partnership with the University of Illinois Extension, to provide residents with access to information about proper planting and care for featured trees.

So take a stroll through the park and learn all about the trees of Champaign!

1 SAUCER MAGNOLIA

Magnolia X soulangiana



Height: 30' **Spread:** 25'-30'

Bud: Terminal bud is a flower, 1" long, pubescent, silky feeling.

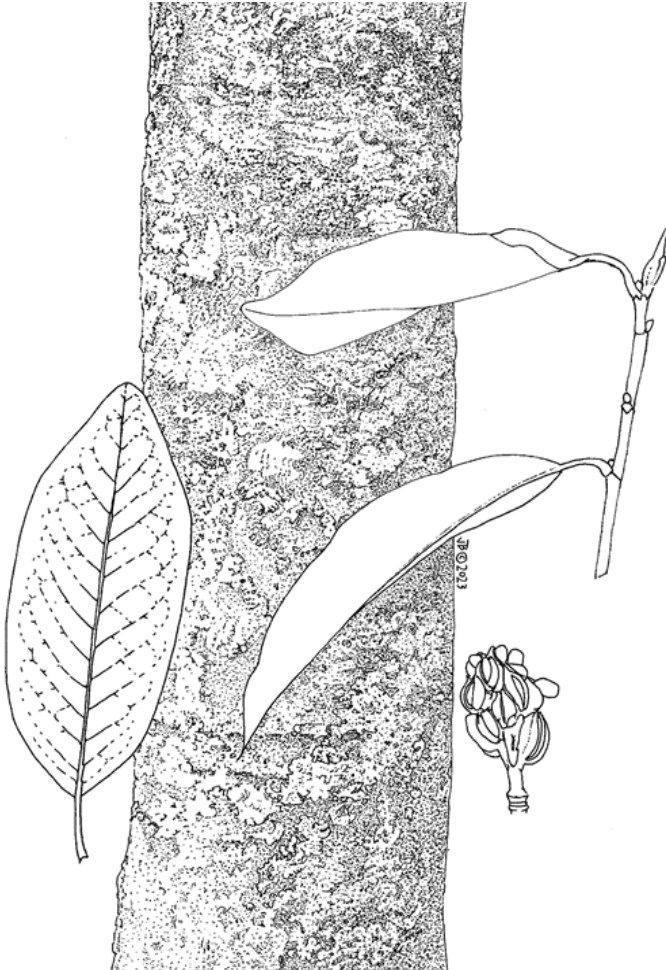
Leaf: Alternate, simple, 3-6" long, 1 1/2 to 3" wide, oblong in shape, leaf apex is narrow and pointed, dark green upper leaf, pubescent underneath.

Bark: Smooth, gray.

Flower: 5"-10" in diameter, usually 9 tepals, white on the inside, pinkish purple on the edges, bell shaped, flowers before bud break.

SWEETBAY MAGNOLIA

Magnolia virginiana



Height: 10-20' **Spread:** 10'-20'

Bud: $\frac{3}{4}$ -1", green, single bud scale, slight pubescence.

Leaf: 3-5", half as wide. Simple, alternate, oblong, leathery, pale underside, semi-evergreen.

Bark: Light gray, thin, smooth.

Fruit: 2", aggregate of follicles, seed, covered by a red aril, emerges on a slender thread.

AMERICAN SWEETGUM

Liquidambar styraciflua



Height: 60' **Spread:** 40'

Bud: 1/4- 1/2" long, 6 to 8 orange-brown very glossy scales, ovate to conical, when crushed gives off an aromatic smell.

Leaf: Alternate, 3-6" in diameter, deeply and palmately 5-7 lobed, finely serrate, acuminate, cordate, dark green color, lustrous, 2-4" long petiole.

Bark: Grayish brown, deeply furrowed into narrow, rounded edges.

Fruit: Woody syncarp, 1-1 1/2" diameter, spiny capsules, heavily produced.

SILVER MAPLE (SOFT MAPLE)

Acer saccharinum



Height: 70' **Spread:** 45'

Bud: 1/8-3/16" long, red or reddish brown, outer scales form a V shaped notch, flattened, twigs give off a foul odor when crushed.

Leaf: Opposite, simple, 3-6" in diameter, 5 lobes, deeply lobed, lobes doubly serrate, bright green leaf surface, silver colored underneath, 3-5" long petiole.

Bark: Young bark is gray and similar to red maple; older bark becomes scaly and forms ridges and furrows and is gray to gray-brown.

Fruit: Samara, 1 1/2-3 1/2" long, born in pairs, forms a 90° angle.

KENTUCKY COFFEETREE

Gymnocladus dioica



Height: 70' **Spread:** 40'-50'

Bud: No terminal bud; lateral buds are small, bronze, and sunken in twig.

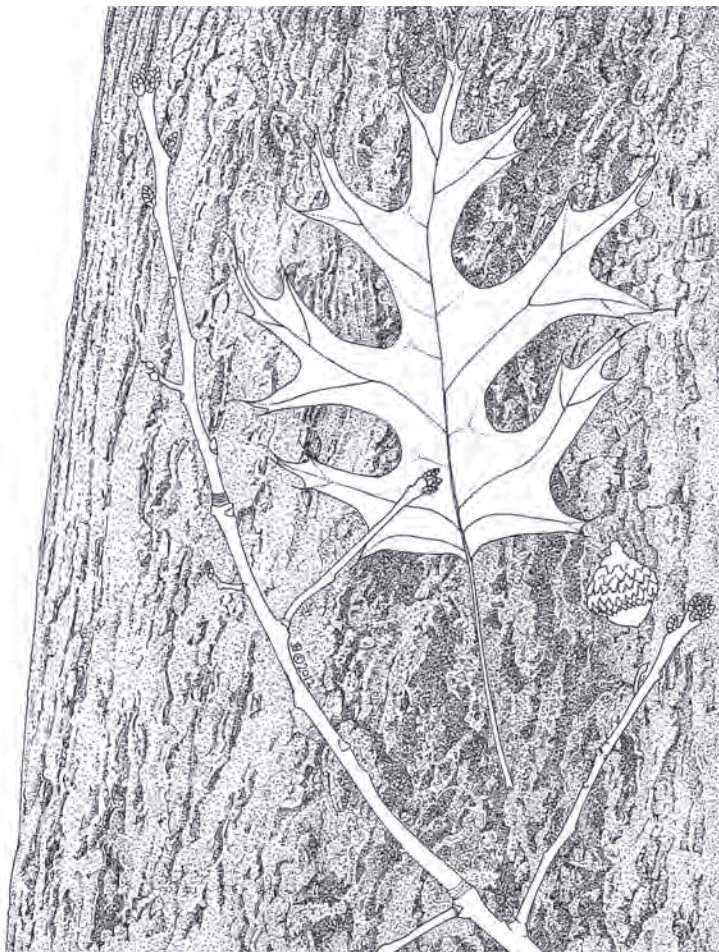
Leaf: Alternate, bipinnately compound, 12-24" long, 3 to 7 pairs, and leaflets are 2-2 1/2" long, 1" wide, apex is acute, and base is cuneate, dark green, pubescent underneath at young age.

Bark: Gray, deep furrows turning into narrow ridges, scaly.

Fruit: Pod, 4-7" long, 1 1/2-2" wide, dark brown color, contains large seeds, borne only on female trees.

SCARLET OAK

Quercus coccinea



Height: 75' **Spread:** 50'

Bud: 1/4-3/8" long, blunt, pubescent gray tip, dark reddish brown color, oblong shape.

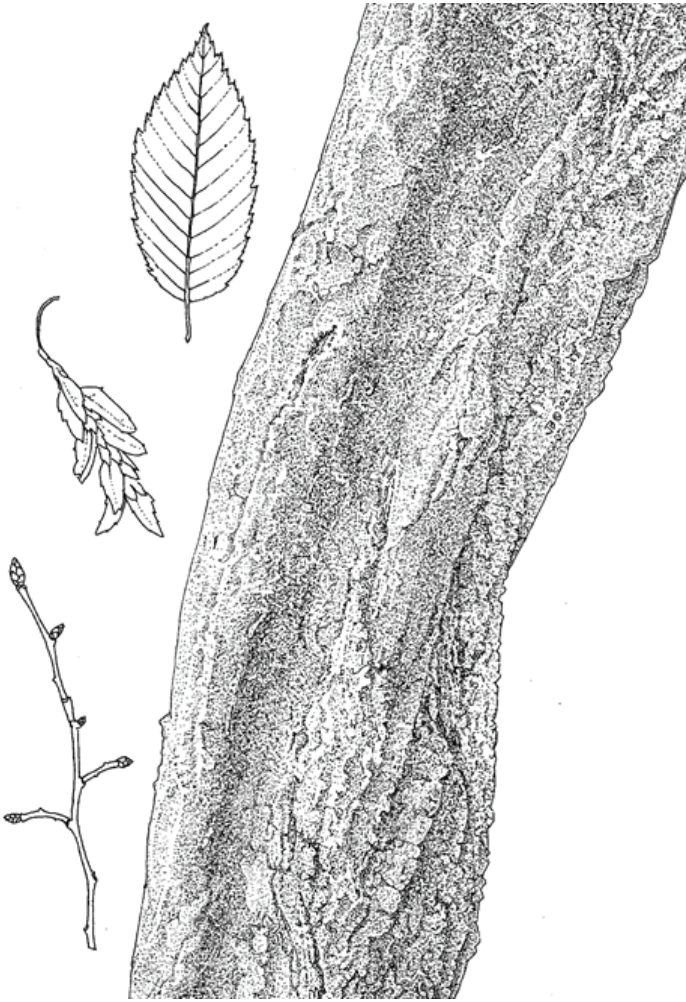
Leaf: Alternate, simple, 3-6" long, 2-4" wide, usually 7 lobes, C-shaped sinuses, apex is acuminate, base is truncate, smooth, shiny dark green leaf surface, paler green, smooth underside, petiole 1 1/2-2 1/2" long.

Bark: Mature bark is brown to almost black, irregular ridges separated by shallow furrows, sometimes flaky on branches, inner bark is red.

Fruit: Acorn, singular or formed in pairs, 1/2-1" long, oval shaped, cap covers 1/3 to 1/2 of the nut.

AMERICAN HORNBEAM

Carpinus caroliniana



Height: 20-30' **Spread:** 20-30'

Bud: 1/6-1/4", ovate, imbricate, 4-ranked scales, reddish-brown.

Leaf: 2 1/2-5" long, 1-2" wide. Simple, alternate. Oblong-lanceolate, acuminate tip, doubly serrate. Yellow or orange-red fall color.

Bark: Thin, dark gray, stem fluted with "muscle-like" ridges.

Fruit: Nutlet in a papery bract.

RED OAK

Quercus rubra



Height: 75' **Spread:** 75'

Bud: 1/4-1/3" long, cylindrical and tapering at both ends, covered with numerous scales, reddish-brown in color.

Leaf: Alternate, simple, obovate, 4-9" long, 3-6" wide, 7-11 lobes, U shaped sinuses extending half way to mid-rib, apex is acute, base is obtuse, 1-2" long petiole.

Bark: Young trees - smooth, gray-green in color. Mature trees - furrowed with flat ridges separated by shallow fissures, dark gray to black in color.

Fruit: Acorn can be singular or paired, 5/8-1" long, base covered by a flat, thick, saucer-like cap, brown to gray in color, covered with a waxy film.

AMERICAN LINDEN

Tilia americana



Height: 60-80' **Spread:** 40-55'

Bud: No terminal bud, lateral buds divergent, red, teardrop shaped, 2-scaled, 1/4".

Leaf: 4-8", alternate, simple, ovate to cordate, coarsely serrate, tip acute, base asymmetrical, rounded, petiole 1-3" long. Yellow fall color.

Bark: Gray-brown, flat-topped long ridges.

Fruit: 1/3", hard, round, pubescent, often pointed at tip, light brown, on a stalk depending from a bract.

SHADBUSH

Amelanchier species



Height: 20-25' **Spread:** 15-20'

Bud: Terminal present. 1/3-1/2", imbricate, conical, divergent.

Leaf: 1-3", alternate, simple, oval, serrate. Tip pointed, base rounded. Yellow, orange or red in fall.

Bark: Gray, smooth, becoming fissured, often appears faintly striped.

Fruit: Berry-like pome, 1/3", persistent calyx, purple, edible, borne in June.

11 BLACK GUM (BLACK TUPELO)

Nyssa sylvatica



Height: 40' **Spread:** 30'

Bud: 1/8-1/4" long, ovoid, yellow-brown to red-brown with a gray tip, smooth.

Leaf: Alternate, simple, elliptic, 3-6" long, 1 1/2-3" wide, obovate, leaf margin entire, base is cuneate, lustrous dark green above, 1/2-1" long petiole.

Bark: Dark gray to black colored, block like appearance.

Fruit: Drupe, 3/8-1/2" long, dark blue colored, on female trees.

HOPHORNBEAM

Ostrya virginiana



Height: 25-40' **Spread:** 20-40'

Bud: 1/8-1/4", ovate, imbricate, striate scales, divergent, brown. Male catkins often in 3s, present during winter.

Leaf: 2-5" long, 1-2 1/2" wide. Simple, alternate, oblong-lanceolate, acuminate tip, doubly serrate, veins fork at tip. Yellow fall color.

Bark: Gray-brown, often in strips which may be detached at ends.

Fruit: A small nutlet in an inflated, pubescent sack. Pubescence can cause irritation! Borne in a cluster, which resembles hops.

Celtis occidentalis



Height: 40-60' **Spread:** 20-40'

Bud: No terminal. Lateral 1/4", imbricate, triangular, appressed, pubescent.

Leaf: Alternate, simple, lanceolate-ovate, acuminate tip, rounded to wedge-shaped base, margin serrate, often lacks teeth at base. Base asymmetric. Three main leaf veins. Yellow-green in fall.

Bark: Gray, strongly textured - corky, warty, ridged.

Fruit: Drupe, 1/3", yellow-orange, turning purple, sweet. Single seed.

Pseudotsuga menziesii



- Height:** 80' **Spread:** 20'
- Bud:** 1/4-1/3" long, imbricate, conical, narrow, shiny brown appearance.
- Leaf:** 3/4-1 1/4" long, yellow green to blue green in color, arranged on all sides of branch, apex obtuse, 2 white bands of stomata below.
- Bark:** Young trees - smooth with resin blisters. Mature trees - 6-12" thick, reddish brown ridges, divided by deep fissures.
- Fruit:** Cone, 2-4" long, 1 1/2-2" in diameter, pendulous, prominent bracts extending beyond scales.

LITTLELEAF LINDEN

Tilia cordata



Height: 70' **Spread:** 40'

Bud: 1/4" long, yellow brown to reddish brown colored, flattened, tear drop shaped, smooth at tip, covered by two scales.

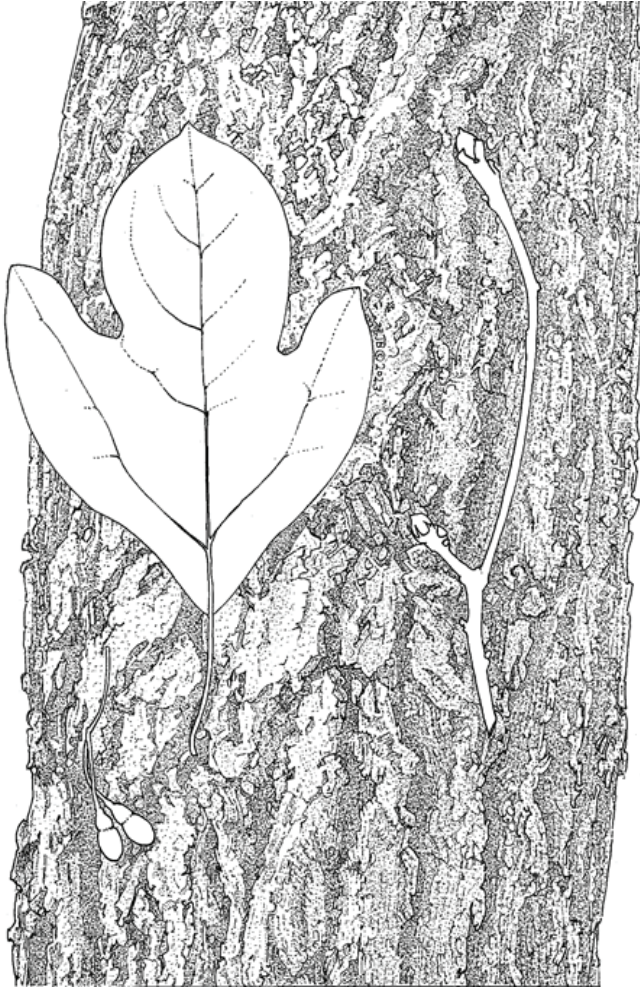
Leaf: Alternate, simple, 1 1/2-3" long, cordate shape, leaf tip acuminate, leaf margin serrate, smooth dark green leaf surface, paler underneath, 3/4-1 1/4" petiole.

Bark: Gray to brown in color, older bark becomes ridged and furrowed.

Fruit: 1/4" nut, thin shell, round, gray color, finely pubescent.

SASSAFRAS

Sassafras albidum



Height: 30-60' **Spread:** 25-40'

Bud: 1/3", terminal, ovate, greenish.

Leaf: 3-7" long, 2-4" wide, simple, alternate, variably lobed: "ghost", "mitten", or "football", brilliant red, orange-yellow fall color.

Bark: Furrowed, reddish-brown.

Fruit: Dark blue berry, 1/3", in a red cup on a red stem.

Carya illinoensis



Height: 70-100' **Spread:** 40-75'

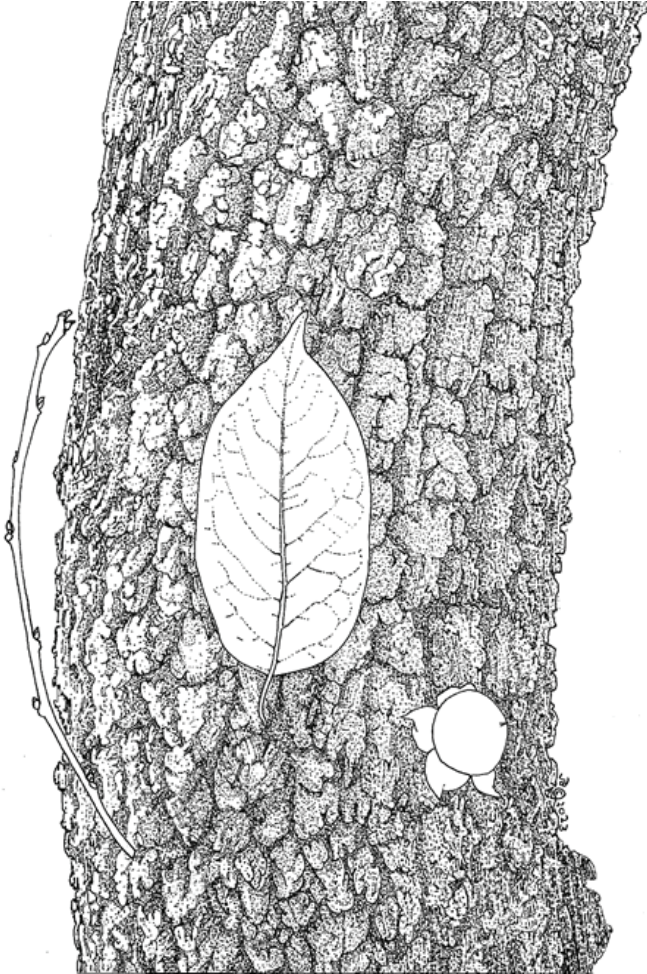
Bud: 1/4-1/3", valvate, pubescent, pointed, brown.

Leaf: 12-20" long, 11-17 leaflets. Alternate, pinnately compound, leaflets lanceolate-falcate, serrate-doubly serrate, glandular. Yellow fall color.

Bark: Gray-brown, scaly-plates.

Fruit: 2" ellipsoidal nut in 4-winged husk, brown.

Diospyros virginiana



Height: 30-60' **Spread:** 20-35'

Bud: 1/4", 2 scales, ovoid, no terminal.

Leaf: 3-5", half as wide. Simple, alternate, oblong, acuminate tip, rounded base, yellow or purple in fall.

Bark: Gray/brown to black, broken into scaly, cubical blocks.

Fruit: 1" orange berry, with several seeds. Astringent when not fully ripe. Ripens late fall.

WHITE SPRUCE

Picea glauca



Height: 50' **Spread:** 20'

Bud: 1/4" long, narrow ovoid, brown scales, blunt tip.

Leaf: 1/2-3/4" long, incurved, gray-green color, apex acute, not sharp to the touch, more numerous on the top of the branch.

Bark: Thin, flaky ashy-brown color.

Fruit: Cone, 1 1/4-2 1/2" long, oblong, pendulous, green, turning to light brown when mature, scales flexible.

Quercus macrocarpa

Height: 80' **Spread:** 80'

Bud: 3/16-1/4" long, blunt wide ovoid, imbricate, covered by a fine gray pubescence.

Leaf: Alternate, simple, 4-10" long, 5" wide, obovate, cuneate base, lower half of leaf has 4 to 6 pairs of deep lobes, upper half of leaf has 5-7 pairs of shallow lobes, dark green, shiny leaf surface, grayish to silverish color on bottom of leaf.

Bark: Rough, deeply furrowed and ridged, stems develop a ridged or winged appearance, dark grey or brown in color.

Fruit: Acorn, single, 3/4-1 1/2" long, stalked, covered almost completely by the cap, bristly texture on the edge of the cap.

LONDON PLANETREE

Platanus x acerifolia



Height: 100' **Spread:** 80'

Bud: 1/4-3/8" long, cone shaped, blunt, smooth, reddish brown color.

Leaf: Alternate, simple, 6-7" long, 8-10" wide, 3-5 lobed, acute sinuses extend 1/3 into leaf, dark green color, petiole 2-4" long.

Bark: Smooth on younger trees, at maturity becomes scaly and separates from tree, green to creamy color.

Fruit: Spherical syncarp, 1" diameter, born in pairs.

Liriodendron tulipifera



- Height:** 70' **Spread:** 50'
- Bud:** 1/2" long, valvate, greenish to reddish brown resembles a duck bill.
- Leaf:** Alternate, simple, 3-8" in diameter, usually 4 lobed, lobes short and acuminate, leaf base truncate, bright green, paler underneath, 3-4" long petiole.
- Bark:** Grayish brown, smooth on young trees with white spots, with maturity becomes broken into long, rough, interlacing ridges, separated by fissures, inner bark aromatic.
- Flower:** 1 1/2-2" long, resembles a tulip flower, light greenish-yellow with an orange spot on each petal base.
- Fruit:** Cone shaped bundle of samaras, 2-3" long, 3/4" in diameter, persisting through winter.



1. Saucer Magnolia
2. Sweetbay Magnolia
3. Sweetgum
4. Silver Maple
5. Kentucky Coffeetree
6. Scarlet Oak
7. American Hornbeam
8. Red Oak
9. American Linden
10. Shadbush
11. Black Gum
12. Hophornbeam
13. Hackberry
14. Douglas Fir
15. Littleleaf Linden
16. Sassafras
17. Pecan
18. Persimmon
19. White Spruce
20. Bur Oak
21. London Planetree
22. Tuliptree
23. River Birch
24. Eastern White Pine
25. Swamp White Oak
26. White Oak
27. Norway Maple
28. Shellbark Hickory
29. Green Ash
30. White Ash
31. Eastern Cottonwood
32. Sugar Maple
33. Ginkgo
34. Chinese Chestnut
35. Northern Catalpa
36. Shingle Oak
37. American Beech
38. Yellow Buckeye
39. Tricolor European Beech
40. Eastern Redbud
41. Red Maple
42. Pin Oak
43. Bald Cypress
44. Yellowwood

RIVER BIRCH

Betula nigra



Height: 40-70' **Spread:** 40-60'

Bud: 1/4" imbricate, conical, appressed, brown, may be pubescent.

Leaf: 1 1/2-3 1/2". Alternate, simple, rhombic/ovate, lobed to doubly serrate, tip acute, base wedge-shaped, lower surface pubescent, yellow fall color.

Bark: Cinnamon/tan/brown, papery, exfoliating. Darker, scaly with age.

Fruit: Short 1 1/2" pendulous catkin of pubescent, 3-lobed 1/8" nutlets, disperses in spring.

EASTERN WHITE PINE

Pinus strobus



Height: 80' **Spread:** 40'

Bud: 1/4" long, ovoid, sharp pointed.

Leaf: 2-4" long, grouped in bundles of five, flexible, soft to the touch, bluish green color.

Bark: Thin, smooth, gray colored on young trees, becoming thicker, darker gray colored, and developing furrows at maturity.

Fruit: Cone, 3-7" long, 1 1/2 -2" in diameter, dangles from branch, light brown color.

SWAMP WHITE OAK

Quercus bicolor



Height: 60' **Spread:** 50'

Bud: 1/8-1/4" long, imbricate, dark brown color, glabrous.

Leaf: Alternate, simple, obovate, 4-7" long, 2-4 1/2" wide, shallow lobed, smooth dark green upper surface, whitish or silverish tomentose underside.

Bark: Dark brown color, forms ridges and deep furrows on trunk, scaly, peeling appearance on limbs and branches.

Fruit: Acorn, 3/4-1 1/4" in diameter, found in pairs, cap covers 1/2 to 2/3 of acorn, hangs from a 2-4" long stalk.

WHITE OAK

Quercus alba



Height: 80' **Spread:** 80'

Bud: 1/8-1/4" long, imbricate, blunt, reddish brown color.

Leaf: Alternate, simple, 4-8 1/2" long, 3-5" wide, 7-9 rounded lobes with deep sinuses, dark green surface, paler green underneath.

Bark: Light gray color, blocky appearance changing to narrow ridges with deep fissures.

Fruit: Acorn, singular or paired, 3/4-1" long, short stalked, covered 1/4 by cap, cap has a bumpy appearance, nut is a dark brown color.

NORWAY MAPLE

Acer platanoides



Height: 50' **Spread:** 40'

Bud: 1/4-3/8" long, round, covered by 6-8 scales, maroon color, exudes milky sap when cut in half.

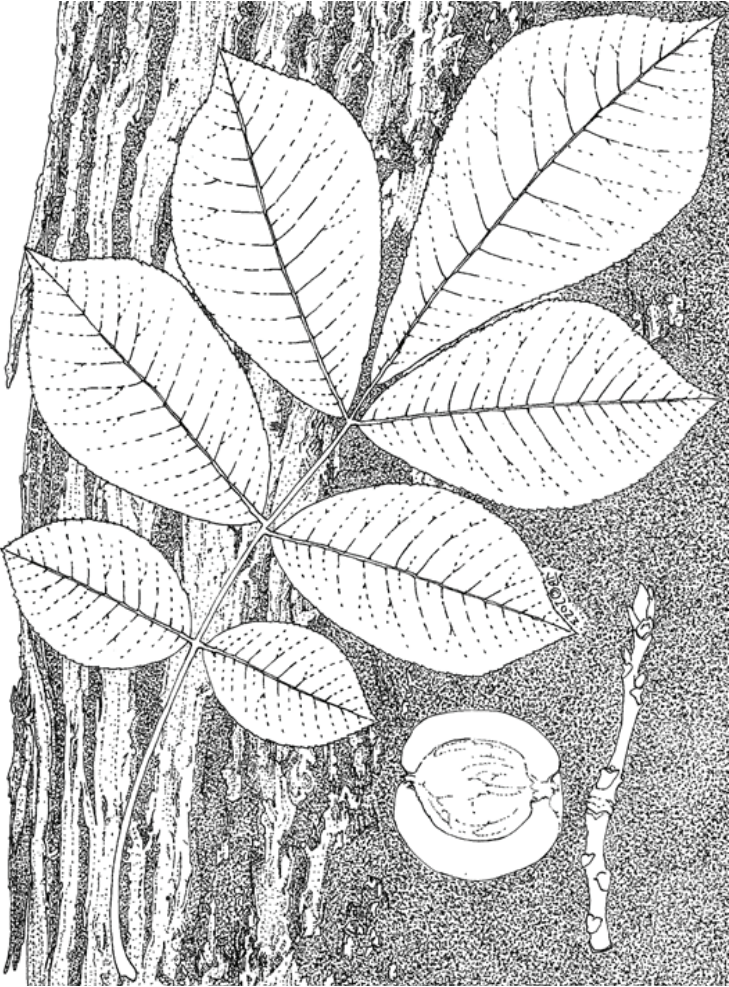
Leaf: Opposite, simple, 5-7" wide and 4-6" long, 5 lobes, sharply pointed, dark green color, smooth, attached by 3-4" long petiole, petiole secretes milky white sap when squeezed.

Bark: Dark gray, almost black in color, ridges separated by shallow fissures.

Fruit: Samara, born in pairs, 1 1/2-2" long, forms a 180° angle.

SHELLBARK HICKORY

Carya laciniosa



Height: 80-100' **Spread:** 40-60'

Bud: 3/4", ovate, hairy, loosely scaled.

Leaf: 10-24" long, alternate, pinnately compound, 7 obovate leaflets.
Yellow in fall.

Bark: Gray, forms long, vertical plates that break loose from the trunk.

Fruit: 2-2 1/2". Large, ridged nut in a spherical, 4-part husk.

GREEN ASH

Fraxinus pennsylvanica



Height: 60' **Spread:** 30'

Bud: Small, wide conical, rusty brown color, pubescent. Lateral bud sits on top of shield-shaped leaf scar.

Leaf: Opposite, pinnately compound, 6-10" long, 7-9 leaflets; leaflets 3-5" long, 1-1 1/2" wide, lanceolate, serrated leaf margin, apex is acute, base is cuneate, lustrous green above, light green and slightly pubescent below.

Bark: Ashy-gray to brown, ridges interlaced forming diamond pattern.

Fruit: Samara, 1 1/4-2 1/4" long, 1/4" wide.

WHITE ASH

Fraxinus americana



Height: 60'-70' **Spread:** 40'-50'

Bud: 1/4" long, rounded, dark brown color, bud is inset in crescent-shaped leaf scar.

Leaf: Opposite, pinnately compound, 8-15" long, 5-9 leaflets, 7 leaflets most common, leaflets 3-6" long, 2" wide, short stalked, ovate shaped, leaf margin partially serrate.

Bark: Gray colored, ridges and furrows, forming diamond shaped patterns.

Fruit: Samara, 1-2" long, 1/4" wide.

EASTERN COTTONWOOD

Populus deltoides



Height: 75-100' **Spread:** 50-75'

Bud: Terminal present. Imbricate, conical, $\frac{1}{2}$ - $\frac{3}{4}$ ", shiny brown, sticky, resinous, fragrant.

Leaf: 3-5", alternate, simple, deltoid-ovate, margin crenate-dentate, tip acute, base truncate, petiole flattened - leaves tremble in slightest breeze. Shiny above, pale below. May turn yellow in fall.

Bark: Light gray, deeply ridged, fissured.

Fruit: Dehiscent, 3-4-valved capsules in long clusters, seeds are tufted (cotton), mature early summer.

SUGAR MAPLE (HARD MAPLE)

Acer saccharum



Height: 70' **Spread:** 60'

Bud: 1/4-5/16" long, sharply pointed, cone shaped, gray-brown in color, four to 8 pairs of visible scales

Leaf: Opposite, simple, 3-6" long and wide, usually palmately 5 lobed, acuminate, cordate, glabrous surfaces, bright green above, paler green underneath

Bark: Smooth gray bark on young trees. Older trees develop rough, scaly, deeply furrowed dark gray bark

Fruit: Samara, smooth, 1" long, u-shaped, slightly divergent, maturity reached between September and October



Height: 80' **Spread:** 60'

Bud: Imbricate, mounded appearance, brown color 1/4", borne on 1/4"-wide spurs that slowly increase in length to 1-2" over the years.

Leaf: Alternate, simple, 2-3" long and wide, fan shaped, leaf veins radiate out from leaf base, often divided in two by a notch at the top of leaf, bright green color, smooth, petiole 2-3 1/2" long.

Bark: Gray to gray-brown color, forms ridges and scales.

Fruit: Seed covered by a fleshy coating, orange color, 1" in diameter, gives off a foul odor similar to rancid butter, borne only on female trees.

CHINESE CHESTNUT

Castanea mollissima



Height: 50' **Spread:** 60'

Bud: 3/16-1/4" long, ovoid, fuzzy, gray color, covered by 2-3 scales.

Leaf: Alternate, simple, 6" long, 3" wide, elliptic shaped, leaf edge toothed with bristle-like tips, shiny dark green surface, paler green, hairy below, thick and stiff.

Bark: Gray-brown color, ridges and furrows.

Fruit: Nut, covered by a spiny husk, 2-3 1/2" in diameter, 3-4 nuts inside.

NORTHERN CATALPA

Catalpa speciosa



Height: 40-60' **Spread:** 20-40'

Bud: No terminal. Lateral very small - 1/12", hemispherical, imbricate.

Leaf: Opposite or whorled. 6-12', simple, ovate-cordate, entire-lobed. Tip acute, base cordate. May turn yellow-green in fall.

Bark: Gray-brown, short ridges/furrowed.

Fruit: Persistent. Long, thin capsule, 8-20", splits along 2 seams, seeds 1", flattened, winged, fringed.

SHINGLE OAK

Quercus imbricaria



Height: 70' **Spread:** 60'

Bud: 3/16-1/4" long, imbricate, sharp pointed, brown colored.

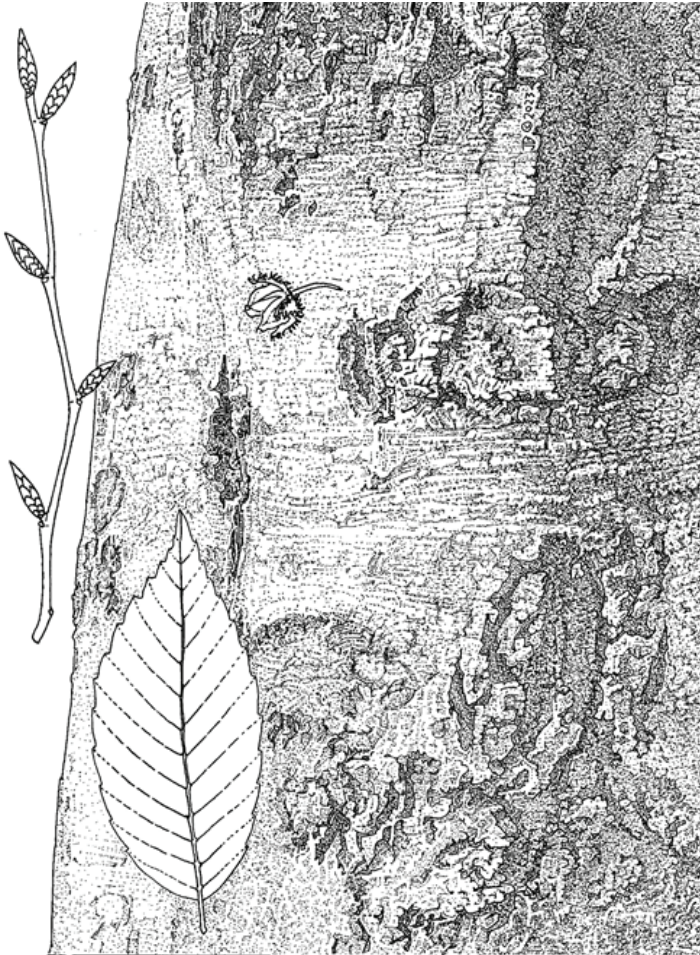
Leaf: Alternate, simple, 2 1/2-6" long, 2" wide, oblong shape, shiny green color above, pale green below, petiole 1/2" long, no lobes, turn brown in fall and persist on tree all winter.

Bark: Gray-brown color, develops shallow fissures and low ridges.

Fruit: Acorn, 1/2-5/8" long, globose, covered 1/2-1/3 by thin bowl shaped cap.

AMERICAN BEECH

Fagus grandifolia



Height: 50-70' **Spread:** 40-70'

Bud: 3/4-1", long, imbricate, diverge from stem, sharply pointed, brown.

Leaf: 2-5" long, 1-2 1/2" wide. Simple, alternate, obovate - lanceolate, serrate, acuminate tip. Glabrous to tufts of pubescence along midrib. Gold bronze in fall.

Bark: Thin, smooth, light gray.

Fruit: 3-suded nut, often paired, enclosed in a prickly involucre.

YELLOW BUCKEYE

Aesculus flava



Height: 75' **Spread:** 40'

Bud: 1/2-3/4" long, sharply pointed, orange-brown color, non-resinous.

Leaf: Opposite, palmately compound, five leaflets, 4-6" long, elliptical, finely serrate, dark green colored surface, yellow green below, attached by 3-4" long petiole, leaflets droop downward.

Bark: Gray-brown color, platy, scaly.

Fruit: Capsule, 2-3" in diameter, smooth, drop early in fall.

TRICOLOR EUROPEAN BEECH

Fagus sylvatica 'tricolor'



Height: 50' **Spread:** 45'

Bud: 3/4-1" long, slender, sharp pointed, reddish brown color, imbricate.

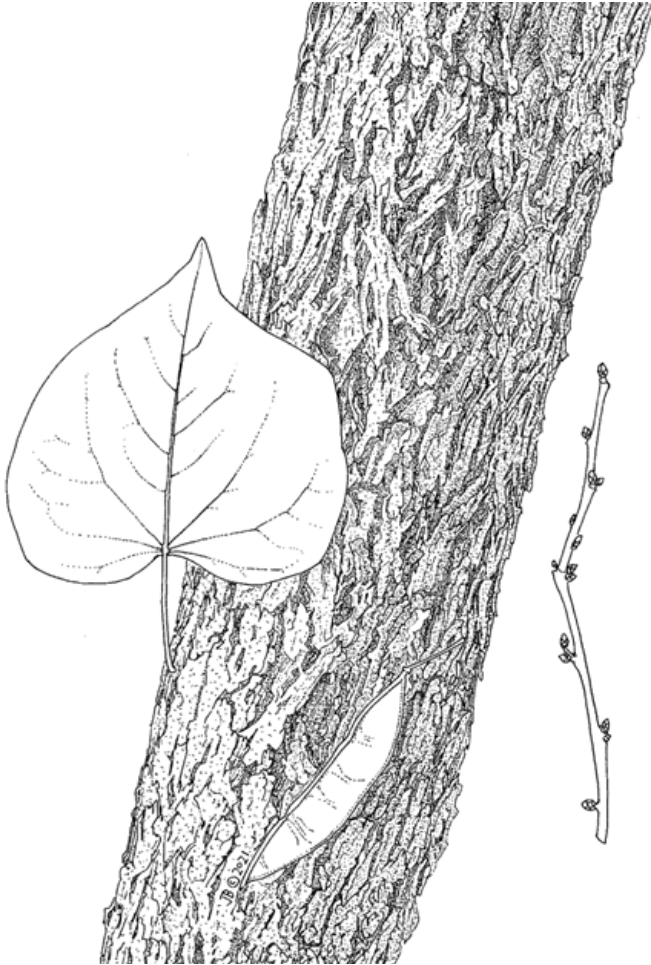
Leaf: Alternate, simple, 2-4" long, 2" wide, broadly elliptical, purple color, leaf margin pink and cream colored, entire.

Bark: Gray color, smooth.

Fruit: Nut, 1/2" diameter, enclosed in a woody, spiny husk, solitary.

EASTERN REDBUD

Cercis canadensis



Height: 20-30' **Spread:** 25-35'

Bud: No terminal. Laterals 1/8", superposed, blackish, 5-6 scales.

Leaf: Alternate, simple, margin entire, broad-ovate to cordate, 3-5", tip acute, petiole swollen at base. Yellow in fall.

Bark: Scaly, dark brown outer bark with orange inner bark visible between scales.

Fruit: 2-3" legume, brown to black, flat, persistent.

Acer rubrum

Height: 50' **Spread:** 40'

Bud: 1/16-1/8" long, red, rounded, 2-4 pairs bud scales.

Leaf: Opposite, simple, 2-4" in diameter, 3-5 lobed, triangular ovate lobes, irregularly toothed, medium green above, silvery-white underneath, and 2-4" long petiole that is usually red in color.

Bark: Smooth at a young age, light gray, during maturity turns dark gray, furrowed and ridged.

Fruit: Samara, 3/4-1" long, 1/4-1/2" wide, born in pairs at a 60° angle.

Quercus palustris



Height: 70' **Spread:** 40'

Bud: 3/16-1/4" long, imbricate, cone shaped, sharp pointed, brown colored.

Leaf: Alternate, simple, 3-6" long, 3-5" wide, 5-7 U-shaped deep sinuses, extending almost to mid-rib, smooth, shiny green leaf surface, paler green underneath.

Bark: Gray color, smooth at young age, develops shallow ridges and furrows with age.

Fruit: Acorn, 1/2" wide, short stalked, solitary or clustered, covered by a thin cap, light brown color.

Taxodium distichum



Height: 60' **Spread:** 30'

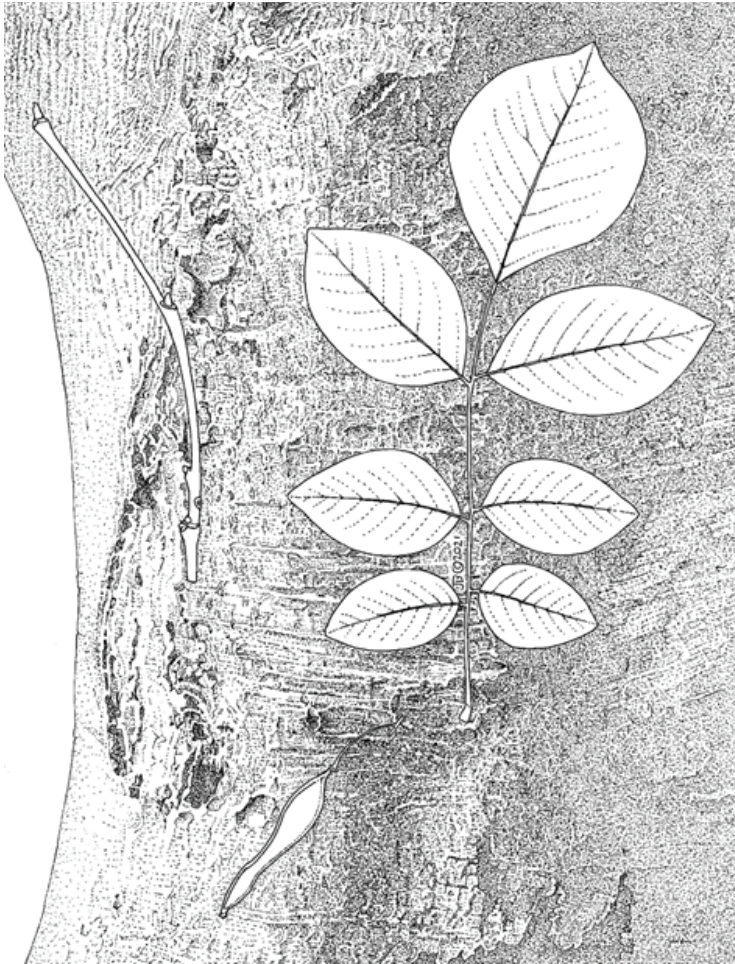
Bud: Small, alternate, rounded, overlapping, sharp pointed scales.

Leaf: Narrow linear, 1/4-3/4" long, 1/16" wide, soft and bright green in spring and turning a darker green in the summer, leaves borne on 3-4" long branchlets that are spirally borne on the branches.

Bark: Reddish brown color, fibrous appearance, shallow furrows forming long narrow strips.

Fruit: Cone, globe-shaped, 1" in diameter, green to purplish color turning brown, exudes a sticky sap.

Cladrastis kentukea



Height: 40-60' **Spread:** 40-60'

Bud: No terminal, lateral naked, superposed into a pubescent cone, hidden by base of leaf petiole.

Leaf: 8-12", alternate, odd-pinnate, leaflets may not be opposite. 7-11 leaflets ovate, entire. Turns yellow in fall. Stalk may persist after leaflets have fallen.

Bark: Thin, gray, smooth.

Fruit: Pale brown legume with several seeds.

A PARTNER IN *Horticulture Education*



University of Illinois Extension is a vital link in disseminating up-to-date, research-based information about gardening, landscaping, and natural areas. Information on trees, lawns, flowers, fruits, and vegetables can be found through many avenues such as community gardens, demonstration gardens, horticulture help lines, TV programs, newspaper articles, Facebook pages and websites.

UI Extension Master Gardener and Master Naturalist volunteers are an integral part of home gardener and natural areas education. In both programs local citizens complete extensive training on a wide variety of garden and nature topics and then volunteer throughout their communities. Master Gardeners in Champaign County use a variety of educational techniques including answering home gardener questions in the UI Extension office, serving as resource people in community gardens at schools, parks and nursing homes, developing exhibits, and giving programs to local civic groups. The most visible community garden project is the Idea Garden located at the UI Arboretum on south Lincoln Avenue, just south of the corner of Florida and Lincoln Avenues in Urbana. The Idea Garden is a relaxing place to view a tasty vegetable and herb garden, a children's garden to delight young and old, rose garden, and colorful flower gardens.

For more information on horticulture, Master Gardener and Master Naturalist programs or any of the many other UI Extension programs in horticulture, nutrition, family, youth, agriculture, and consumer issues, contact: University of Illinois Extension serving Champaign, Ford, Iroquois & Vermilion Counties; 801 North Country Fair Drive Suite D; Champaign, IL 61821 (217) 333-7672 or visit our website at web.extension.illinois.edu/cfiv



Tree Programs



Champaign Park District plants our program trees during the spring and fall.

Spring Trees:

Oaks, Yellowwood, American Beech.

Fall Trees:

Black Tupelo, Pecan, Sweet Gum.

Call for current prices.

Deadline:

*Spring (March 1)
Fall (September 1)*

Questions:

217-398-2550

GROWING TOGETHER

Free!

The Growing Together Tree is a program for parents or soon-to-be parents to adopt a tree that has been planted in a park during the year of their new child's birth or adoption year. Together they grow: child and tree.

Those who adopt a Growing Together Tree receive an infant t-shirt, a certificate, and a map with their tree's location.

CELEBRATION TREES

Life is full of occasions to celebrate – the lives of loved ones, weddings, anniversaries, retirements, etc. The Champaign Park District's Celebration Tree program offers opportunities to plant a tree in one of our parks to recognize those moments. Call for current prices.

MEMORIAL TREES

Honor the life of a loved one with a Memorial Tree planted in one of our parks that will provide shade and happiness to all who visit. Participants will receive a certificate and a map of the tree's location within the park. A list of available species and parks is available by contacting the Operations staff at 217-398-2550. Call for current prices.

GLOSSARY

Acuminate – tapers to a point

Alternate – leaves, buds alternate along twig

Blade – flat part of leaf

Bipinnately compound – leaflets are divided

Bract – modified leaf

Capsule – dry fruit that opens

Compound – leaf divided into leaflets

Cordate – heart shaped

Cuneate – wedge shaped

Drupe – fleshy fruit with stony center

Glabrous – hairless

Imbricate – overlap like shingles

Leaf scar – where leaf was attached to twig

Lobed – divided into parts by sinuses

Obovate – upside-down egg, the petiole is at the bottom

Obtuse – blunt

Opposite – two leaves/buds arise opposite each other along twig

Ovate, ovoid – egg shaped

Palmate – parts radiate from a single point of attachment, like fingers from a palm

Petiole – leaf stem, has a bud at the base

Pinnate – feather-like, parts arise from an elongate vein or rachis

Pubescent – covered with short hairs

Samara – winged, dry, one seeded fruit

Serrate – toothed

Simple – not divided into parts

Sinus – indentation between lobes

Spur – short, lateral twig

Syncarp – multiple fruit

Tepal – petal-like flower part

Truncate – cut straight across

Valvate – opens like doors



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