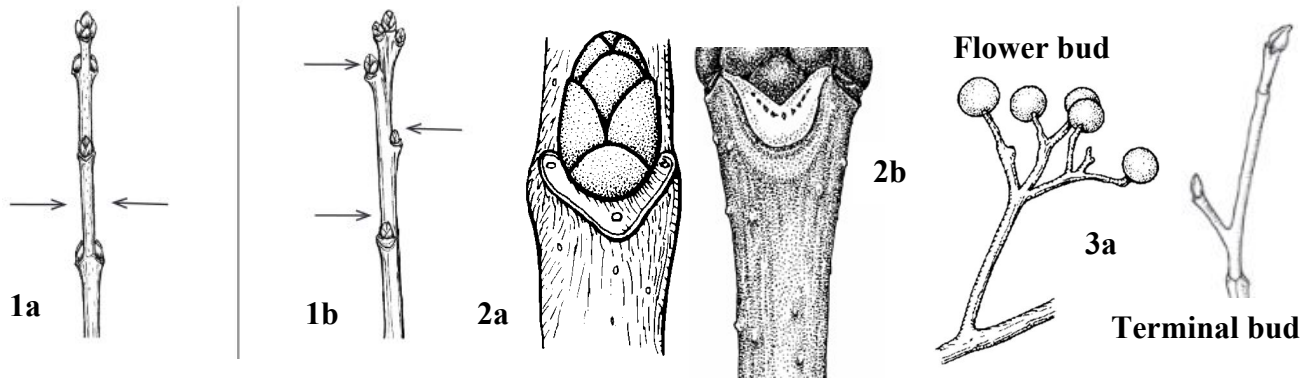


Winter Key to 20 Common Maryland Trees

- 1a. Leaf scars opposite2
- 1b. Leaf scars alternate or spiraled7
 - 2a. Leaf scar with three bundle scars3
 - 2b. Leaf scar with numerous bundles forming a line *Fraxinus americana*
- 3a. Flower buds large and spherical; terminal buds with two scales *Cornus florida*
- 3b. Flower buds small or flat; terminal buds with more than two scales4

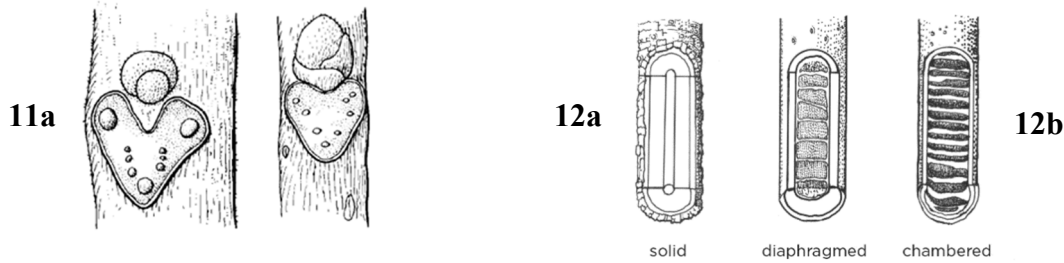


- 4a. Twigs of current year are green *Acer negundo*
- 4b. Twigs brown, olive or red5
- 5a. Terminal buds small, 2-3 mm long, oval in shape *Acer saccharinum*
- 5b. Terminal buds larger6
 - 6a. Twigs slender (<3 mm); terminal buds and twigs red *Acer rubrum*
 - 6b. Twigs moderate (>3 mm); terminal buds and twigs olive to tan *Acer saccharum*
- 7a. Twigs with lateral buds clustered near the end; pith star-shaped8
- 7b. Twigs with lateral buds evenly distributed; pith is not star shaped11

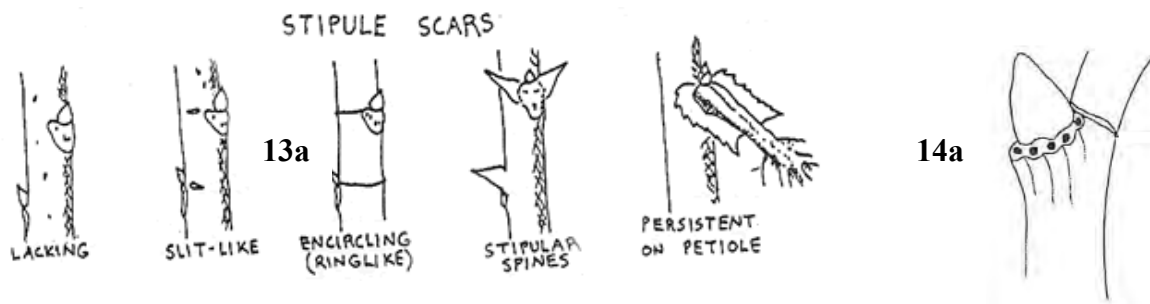


- 8a. Terminal buds oval, red or red-brown9
- 8b. Terminal buds conical, grey to brown10
- 9a. Buds 3-5 mm long, chestnut to reddish brown; twigs moderate *Quercus alba*
- 9b. Buds 5-8 mm long, red; twigs stout (>5 mm) *Quercus rubra*
- 10a. Buds 4-5 angled with flattened sides, grey-brown, hairy *Quercus velutina*
- 10b. Buds conical, not angled, brown with hairs only at the margins of scales *Quercus montana*

- 11a. Leaf scars triangular or shield shaped with three lobes; twigs moderate to stout12
- 11b. Leaf scars otherwise (circular, crescent shaped, half-round, but not lobed);
twigs slender to moderate13
- 12a. Pith continuous; terminal bud 10-20 mm *Carya tomentosa*
- 12b. Pith with hollow chambers; terminal bud 8-12 mm *Juglans nigra*



- 13a. Stipule scars encircling twig14
- 13b. Stipule scars, if present, otherwise15
- 14a. Leaf scar linear, encircling lateral buds; 5-9 bundle scars..... *Platanus occidentalis*
- 14b. Leaf scars oval to circular, but not encircling lateral buds;
12 or more bundle scars..... *Liriodendron tulipifera*



- 15a. Twigs distinctly zigzagged (change direction at each lateral bud)16
- 15b. Twigs not zigzagged, relatively straight18



- 16a. Pith white, solid with diaphragms *Nyssa sylvatica*
- 16b. Pith pale, continuous without diaphragms17
- 17a. Terminal buds 15-25 mm long, sharp pointed..... *Fagus grandifolia*
- 17b. Terminal buds 6 mm, ovoid *Tilia americana*
- 18a. Stipule forming spines on both sides of tiny lateral buds *Robinia pseudoacacia*
- 18b. Stipules not forming spines; lateral buds larger19
- 19a. Twigs and terminal bud green *Sassafras albidum*
- 19b. Twigs and buds brown to reddish brown20
- 20a. Terminal buds 15-25 mm long, sharp pointed *Fagus grandifolia*
- 20b. Terminal buds shorter, cone shaped.....21
- 21a. Twigs slender; terminal buds to 4 mm..... *Prunus serotina*
- 21b. Twigs moderate; terminal bud 6-12 mm..... *Liquidambar styraciflua*

Scientific and common names of common trees.

Scientific Name	Common Name
<i>Acer negundo</i>	box elder
<i>Acer rubrum</i>	red maple
<i>Acer saccharinum</i>	silver maple
<i>Acer saccharum</i>	sugar maple
<i>Carya tomentosa</i>	mockernut hickory
<i>Cornus florida</i>	flowering dogwood
<i>Fagus grandifolia</i>	American beech
<i>Fraxinus americana</i>	American ash, white ash
<i>Juglans nigra</i>	black walnut
<i>Liquidambar styraciflua</i>	red gum, liquidambar
<i>Liriodendron tulipifera</i>	yellow poplar, tulip tree
<i>Nyssa sylvatica</i>	black gum, tupelo
<i>Platanus occidentalis</i>	sycamore, plantain, buttonwood
<i>Prunus serotina</i>	black cherry
<i>Quercus alba</i>	white oak
<i>Quercus montana</i>	chestnut oak, mountain oak
<i>Quercus rubra</i>	red oak
<i>Quercus velutina</i>	black oak
<i>Robinia pseudoacacia</i>	black locust
<i>Sassafras albidum</i>	sassafras
<i>Tilia americana</i>	basswood, linden

Image Credits:

<https://tidcf.nrcan.gc.ca/en/trees/factsheet/84>

<https://gobotany.nativeplanttrust.org/species/fraxinus/americana/>

<https://www3.uwsp.edu/cnr-ap/leaf/Documents/LEAFWinterTreeIDKey.pdf>

<https://arkansasnativeplant.files.wordpress.com/2021/04/spring-2021-claytonia.pdf>

http://www.namethatplant.net/glossary_twigs.shtml

<https://extension.umd.edu/sites/extension.umd.edu/files/2021-02/Winter%20Tree%20ID%20Resources%20%26%20Chat.pdf>

https://hampton.gov/DocumentCenter/View/30454/Virginia-Common-Native-Trees-Native-Tree-ID-spreads_2016_pub