

KEY TO COMMON TREES IN THE WESTMINSTER COLLEGE WOODS

1.	trees with leaves	12
1a.	trees without leaves.....	2
2.	buds opposite	3
2a.	buds alternate	5
3.	buds pointed, longer than they are wide	4
3a.	buds ovoid, almost as wide as they are long	green ash
4.	lateral buds obvious, cone-shaped, sharp-pointed; bark smooth and gray on young trees, becoming dark gray and furrowed on older trees.....	sugar maple
4a.	lateral buds hidden, only terminal buds obvious; twigs slender, flexible; some twigs with button-like flower buds; small trees.....	flowering dogwood
5.	twigs without spines	6
5a.	twigs with spines; small trees	hawthorn
6.	terminal bud obviously larger than the lateral buds	7
6a.	terminal bud the same size as the lateral buds	9
7.	buds brown.....	8
7a.	buds bright yellow; lateral buds diverging from the twig; bark on older trees light grayish, with shallow fissures and interlacing ridges	bitternut hickory
8.	terminal buds 3/4 inch long, flattened; twigs shiny with a spicy-aromatic odor; bark on older trees very thick with deeply-rounded interlacing furrows and narrow rounded ridges.....	tulip tree
8a.	terminal buds less than 1/2 inch in length, ovoid; bark of older trees dark gray with shallow fissures and narrow ridges in a diamond-shaped pattern	pignut hickory
9.	buds slender, sharp pointed, 3/4 to 1 inch in length, diverging from the twigs; bark gray, very smooth; leaves often persistent in winter	American beech
9a.	buds less than 1/2 inch long	10

10.	twigs reddish or olive brown with many small, pale dots and often covered with a grayish film; if broken, the twigs have a very pronounced smell of bitter almonds; bark of older trees dark, with thick, scaly plates	black cherry
10a.	twigs grayish or purplish-gray in color without numerous pale dots.....	11
11.	many buds clustered at the ends of the twigs; bark of older trees light gray, often deeply-furrowed with distinct ridges broken into oblong blocks	white oak
11a.	only one bud at the end of each twig; twigs distinctly mucilaginous if chewed; prefer well-lighted areas at the edge of the woods	slippery elm
12.	leaves opposite.....	13
12a.	leaves alternate.....	15
13.	leaves simple	14
13a.	leaves compound with six to eight leaflets on each leaf	
	green ash	
14.	leaves palmate with toothed margins: bark smooth and gray on young trees, becoming dark gray and furrowed on older trees	sugar maple
14a.	leaf margins smooth.....	flowering dogwood
15.	twigs without spines.....	16
15a.	twigs with spines: small trees	hawthorn
16.	leaves compound, with five to ten leaflets on each leaf	17
16a.	leaves simple.....	18
17.	usually five leaflets per leaf: bark of older trees dark gray with shallow fissures and narrow ridges in a diamond-shaped pattern	pignut hickory
17a.	more than five leaflets per leaf (usually nine): bark on older trees light grayish, with shallow fissures and interlacing ridges	bitternut hickory
18.	leaves oval, without deep lobes.....	20
18a.	leaves lobed.....	19

19. leaves shaped like tulips with flat apexes and
four distinct lobes: twigs shiny with a spicy-aromatic odor;
bark on older trees very thick with deeply-rounded interlacing
furrows and narrow rounded ridges.....tulip tree
- 19a. leaves with rounded apexes and eight to ten deep lobes:
bark of older trees light gray, often deeply-furrowed with
distinct ridges broken into oblong blockswhite oak
20. leaves with distinct teeth around the margins 21
- 20a. leaf margins smooth: twigs with many small, pale dots
and often covered with a grayish film; if broken, the twigs
have a very pronounced smell of bitter almonds; bark of
older trees dark, with thick, scaly plates black cherry
21. leaves asymmetrical at the base (one side lower than
the other): twigs distinctly mucilaginous if chewed;
prefer well-lighted areas at the edge of the woods slippery elm
- 21a. leaves symmetrical at the base; bark gray, very smooth;
dead leaves often persistent in winterAmerican beech