

DENDROLOGY
WOOD IDENTIFICATION SPECIMEN COLLECTION

Numbers below correspond to the numbers on XRT microscope slides and wood blocks in the wood identification collection.

PLEASE RETURN SLIDES AND BLOCKS TO THEIR APPROPRIATE SLOTS AND BOXES WHEN YOU ARE THROUGH WITH THEM!

You will be responsible for learning to recognize the wood from the indicated Families and Genera/species as indicated on this list. In the specimens marked with an * you will only be responsible for the common names used for these wood groups in the lumber industry and the Families to which they belong.

ANGIOSPERM (HARDWOODS)

1. Oleaceae Fraxinus americana White Ash
2. Oleaceae Fraxinus nigra Brown Ash
3. Tiliaceae Tilia Basswood
- 4*. Aceraceae Soft Maple (Acer rubrum, Acer saccharinum)
- 5*. Aceraceae Hard Maple (Acer saccharum, Acer nigrum)
6. Aquifoliaceae Ilex Holly
7. Platanaceae Platanus Sycamore
8. Hammiadiaceae Liquidambar Red Gum
9. Rosaceae Prunus serotina Cherry
10. Magnoliaceae Magnolia Magnolia
11. Ulmaceae Ulmus Elm
12. Magnoliaceae Liriodendron tulipifera Yellow Poplar
13. Betulaceae Betula Birch
- 14*. Fagaceae Red Oak ¹
- 15*. Fagaceae White Oak ²
16. Fagaceae Castanea dentata Chestnut
17. Fagaceae Fagus grandifolis Beech
18. Juglandaceae Carya Hickory
19. Juglandaceae Carya illinoensis Pecan
20. Juglandaceae Juglans nigra Black Walnut
21. Juglandaceae Juglans cinerea Butternut

¹ Red Oaks include Quercus rubra, Q. velutina, Q. shumardii, Q. falcata, Q. coccinea, Q. palustris, Q. imbricaria, Q. phellos

² White Oaks include Quercus alba, Q. macrocarpa, Q. lyrata, Q. stellata, Q. michauxii, Q. prinus, Q. bicolor

GYMNOSPERM (SOFTWOODS)

- 22. Cupressaceae Juniperus virginiana Eastern Red Cedar
- 23. Cupressaceae Sequoia sempervirens Redwood
- 24. Cupressaceae Taxodium Bald Cypress
- 25. Pinaceae Picea Spruce
- 26. Pinaceae Larix Larch
- 27. Pinaceae Pseudotsuga menziesii Red Fir
- 28*. Pinaceae Soft Pine³
- 29*. Pinaceae Hard Pine⁴

³ Soft Pines include the following:

| White Pines | Stone Pines | Pinyon Pines | Foxtail Pines |
|-----------------------|----------------------|-----------------------|-----------------------|
| <u>P. strobus</u> | <u>P. flexilis</u> | <u>P. quadrifolia</u> | <u>P. balfouriana</u> |
| <u>P. monticola</u> | <u>P. albicaulis</u> | <u>P. edulis</u> | <u>P. aristata</u> |
| <u>P. lambertiana</u> | | <u>P. cembroides</u> | |
| | | <u>P. monophylla</u> | |

⁴ Hard Pines include the following:

| NE Yellow | S Yellow | W Yellow |
|---------------------|----------------------|---------------------|
| <u>P. resinosa</u> | <u>P. palustris</u> | <u>P. ponderosa</u> |
| <u>P. banksiana</u> | <u>P. echinata</u> | <u>P. jeffreyi</u> |
| <u>P. rigida</u> | <u>P. taeda</u> | <u>P. contorta</u> |
| | <u>P. elliotii</u> | |
| | <u>P. virginiana</u> | |