



Other Things To Use:

- 1. Bark
- 2. Buds
- 3. Leaf Scar
- 4. Pith
- 5. Fruit & Flowers
- 6. Thorns
- 7. Tree Form or Shape
- 8. Location-Site

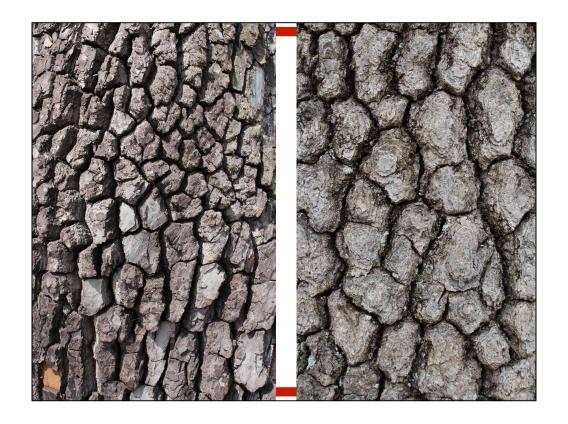
CFAES



Twig characteristics listed in red will be the focus of the talk.



Shagbark hickory



Persimmon and Blackgum



Flowering dogwood



black cherry



American beech



White ash



butternut



hackberry



Pitch pine



Sycamore and American beech



Yellow buckeye left and Ohio buckeye right



Legume fruit is bean like redbud



Yellow poplar fruit and silver maple fruit



Butternut fruit



persimmon



poison-ivy



Eastern burning bush or wahoo





Ash seed – white, green and black



Bur oak acorn





Acorns northern red oak, black oak and scarlet oak



Hickories clock-wise from upper left – shagbark, mockernut, pignut and bitternut



Cones – note shape, color size, armed etc Needles – number in bundle length, color

Virginia pine





European black alder



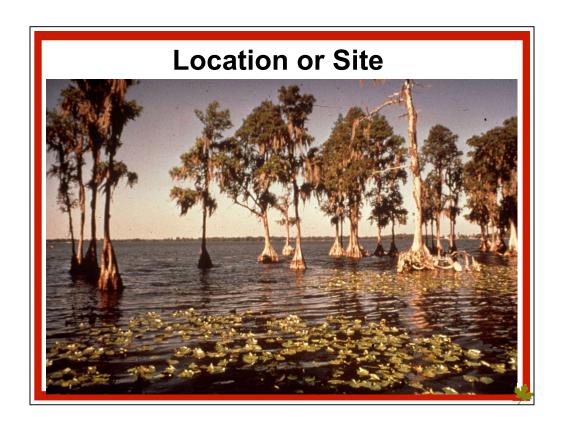
Witch hazel



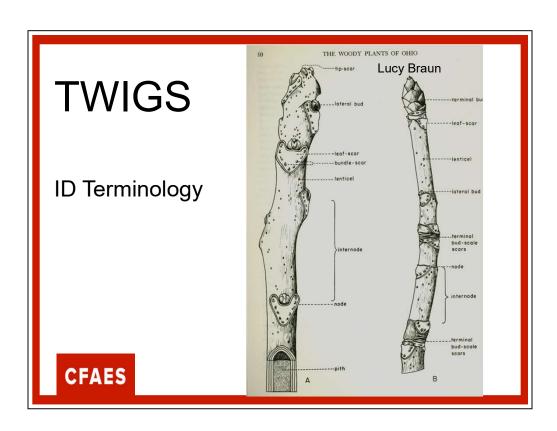
Form – American elm



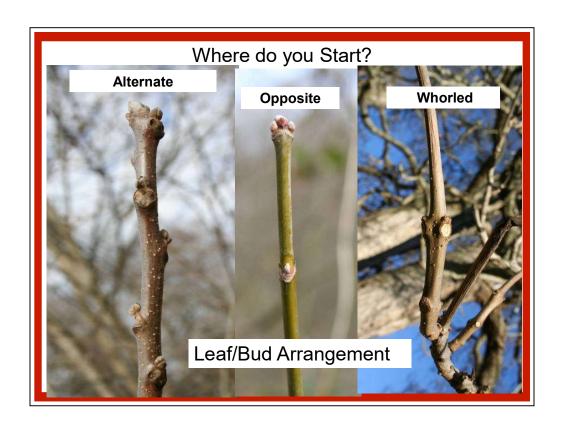
Northern catalpa - notice fruits on branch tips



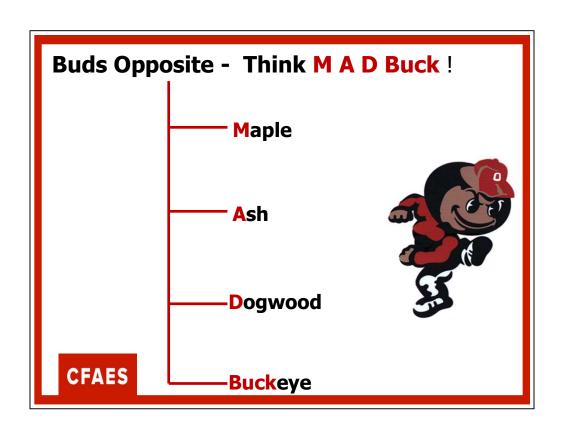
baldcypress

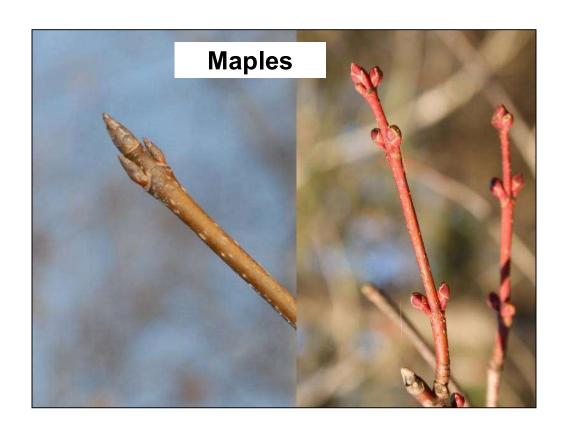


Tree of heaven or ailanthus left; Ohio buckeye right



Black walnut; box-elder (note twig color) and northern catalpa





Sugar maple and red maple



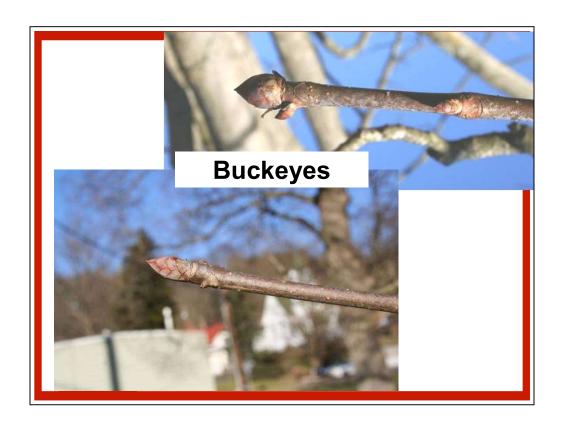
White ash – note branching in background



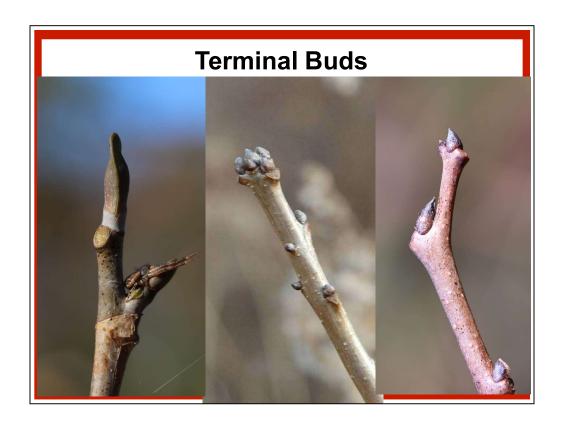
Blue ash, green ash



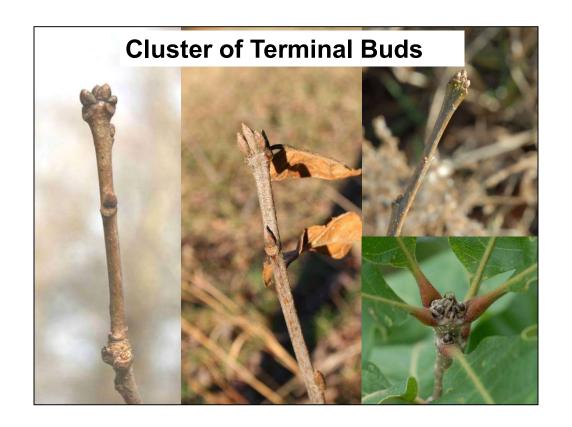
Flowering dogwood opposite leaf arrangment



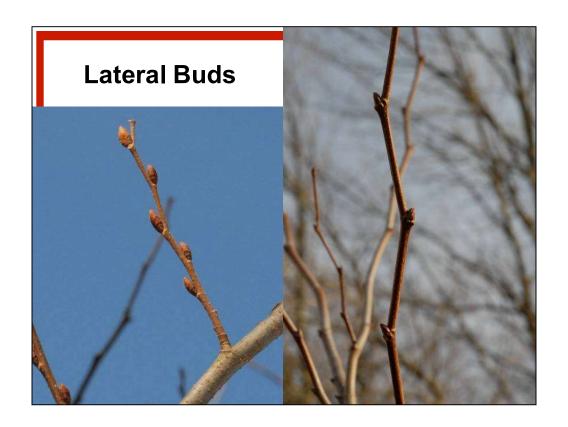
Top right –yellow buckeye bud more rounded, keels not as prominent no offensive odor Bottom left – horse chestnut, large rounded buds very glossy; bottom right – Ohio buckeye, k



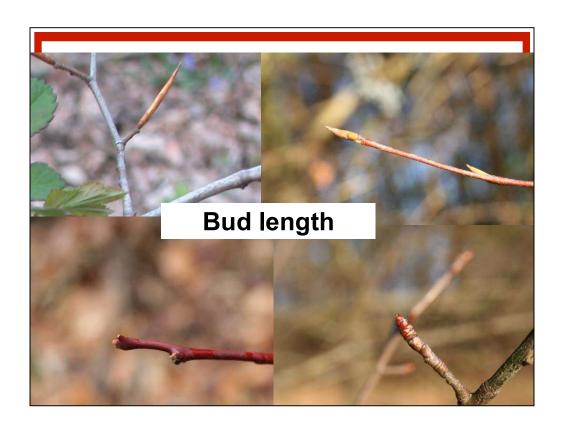
Single Terminal bud – yellow-poplar; cluster of buds (bur oak – bear claws); and pseudo term



White oak (rounded buds); black oak (longer sharp buds) swamp white, bur



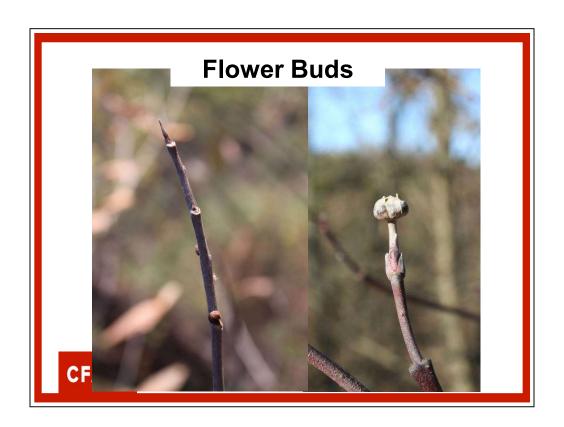
American elm and American sycamore



Varying bud lengths are also a good clue -- Clockwise from upper left - American beech, ser



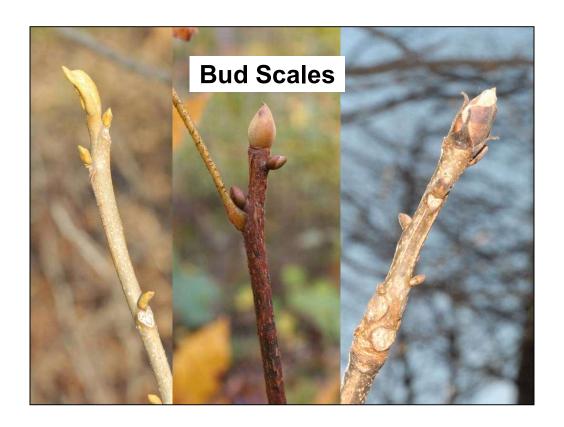
Umbrella magnolia and bigleaf magnolia



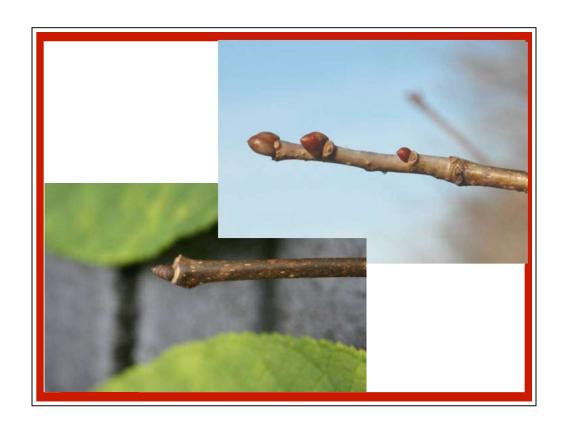
Pawpaw and flowering dogwood



spicebush



Naked bud, sulfur yellow - bitternut hickory; large bud with deciduous older scales – mockern Large bud old scales persistent – shellbark/kingnut hickory (shagbark looks similar)



Budscales – 3 or less basswood also pseudo terminal buds Budscales – many red mulberry



Horseshoe shaped leaf scar – white ash Monkey face – black walnut

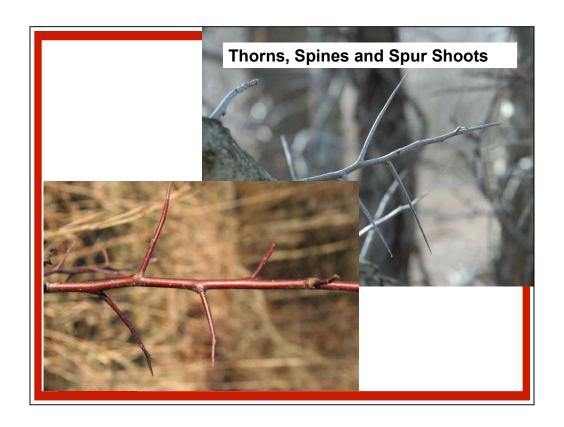


American sycamore – leaf scar encircles the entire bud (hidden with leaf on) kentucky coffeet



Leaf scar and bundle scars

Left – blackgum right-sweet gum (both have three bundle scars)



Spines top right - hawthorn Spur shoots – crabapple (note buds on spurs)

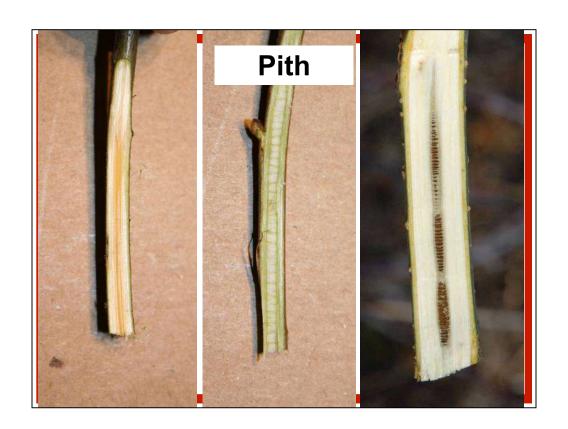


Thorns – honeylocust &

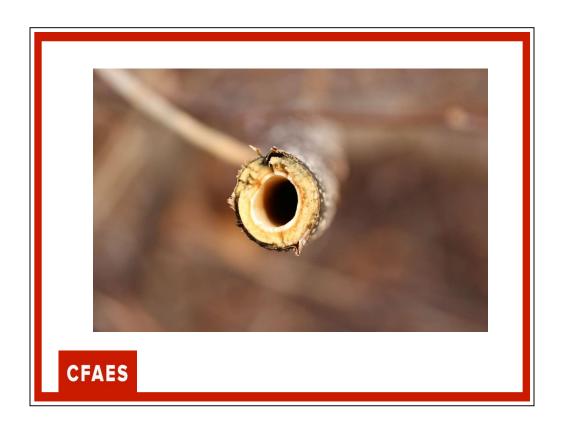
Paired spines - black locust



Devil's walking stick



Pith
Solid – shingle oak, diaphragmed – blackgum, and chambered – black walnut



Royal paulownia



Sassafrass – twig color Sweetgum – twig texture corky ridges



Lenticles and hairs on twigs Smooth sumac, shining or winged sumac and staghorn sumac



American hazelnut

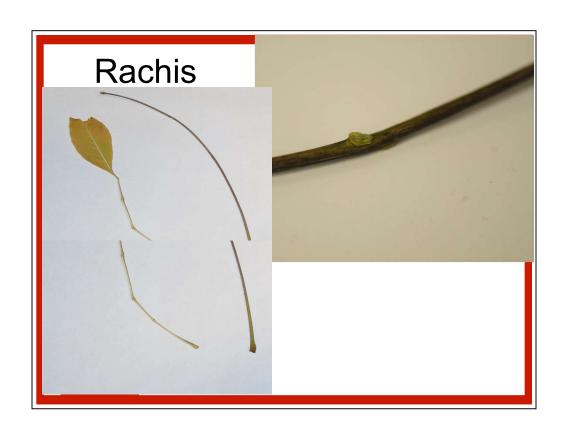


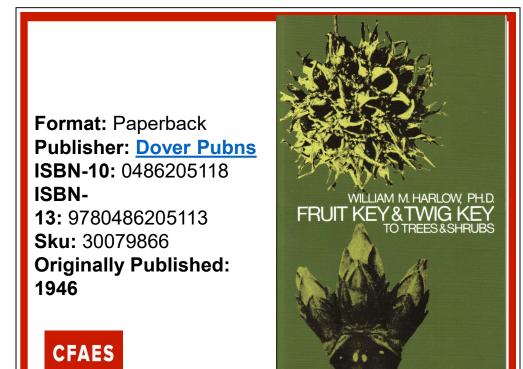
American hazlenut

Catkins = male flowers found mainly on birch family



European black alder





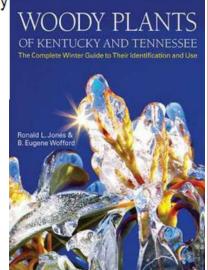
ISBN-13: 9780813142500

ISBN-10: 0813142504

Publisher: University Press of Kentucky

Publish Date: October 2013

Page Count: 143



CFAES

