# Tree Identification for Easy Identification

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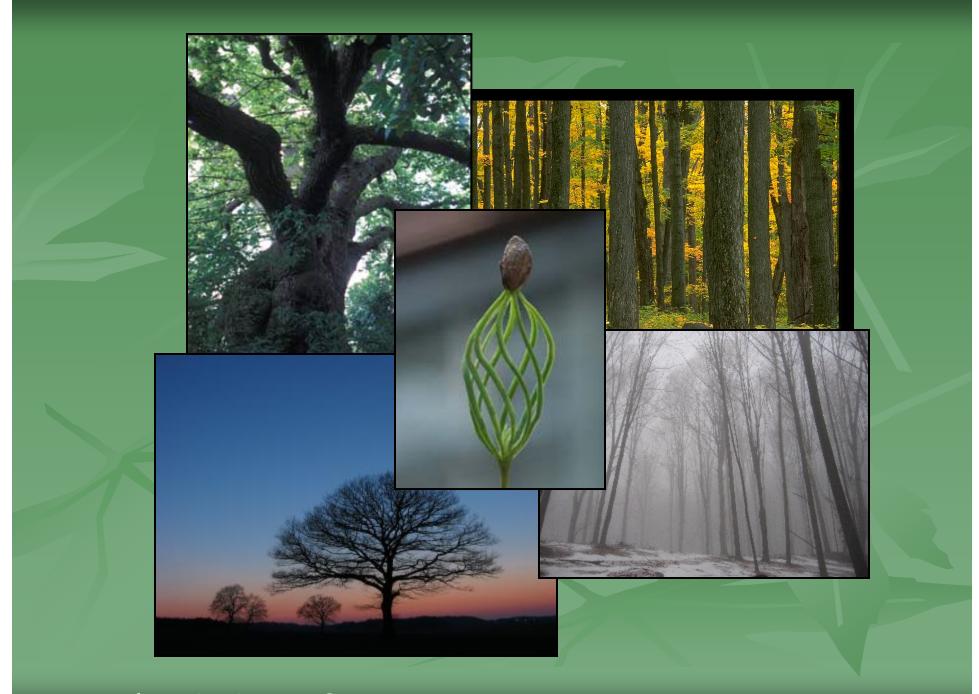


#### Let us start with something we are familiar with...



#### Characteristics

#### Something that distinguishes or identifies an individual...



## Season of the year!



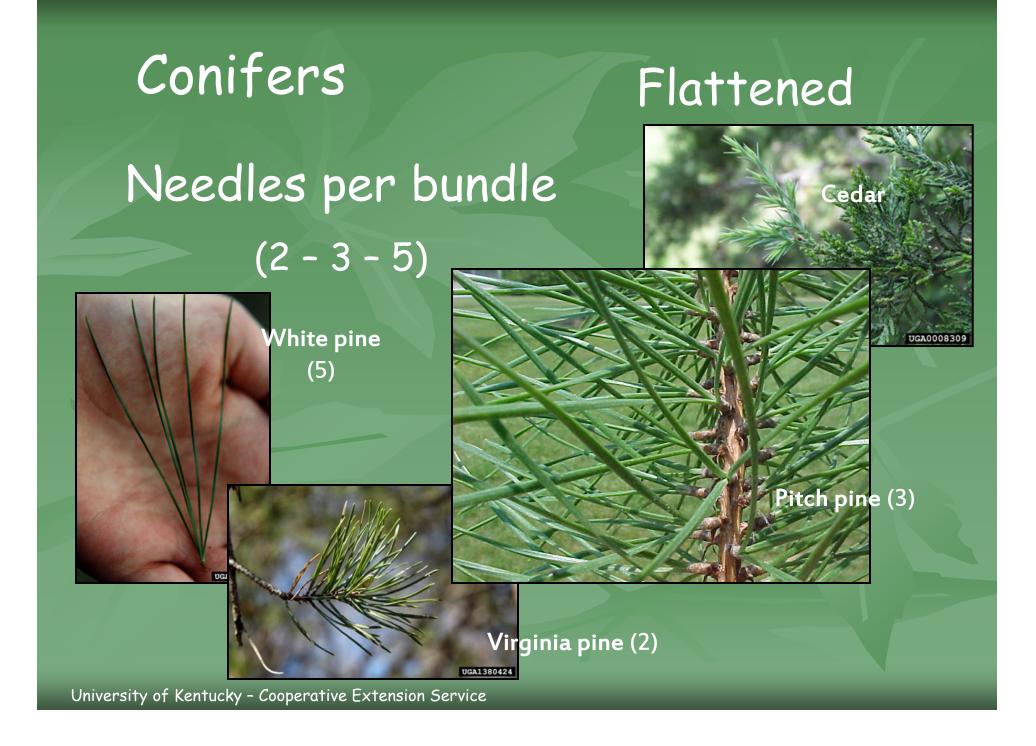
## Leaves - on - Method

#### Broadleaf

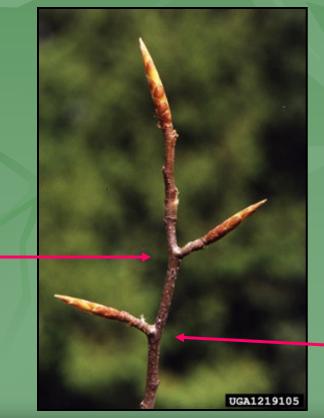




Conifer



# Broadleaf Arrangement of leaves and buds Alternate branching



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#### Opposite branching



# Form of the leaf

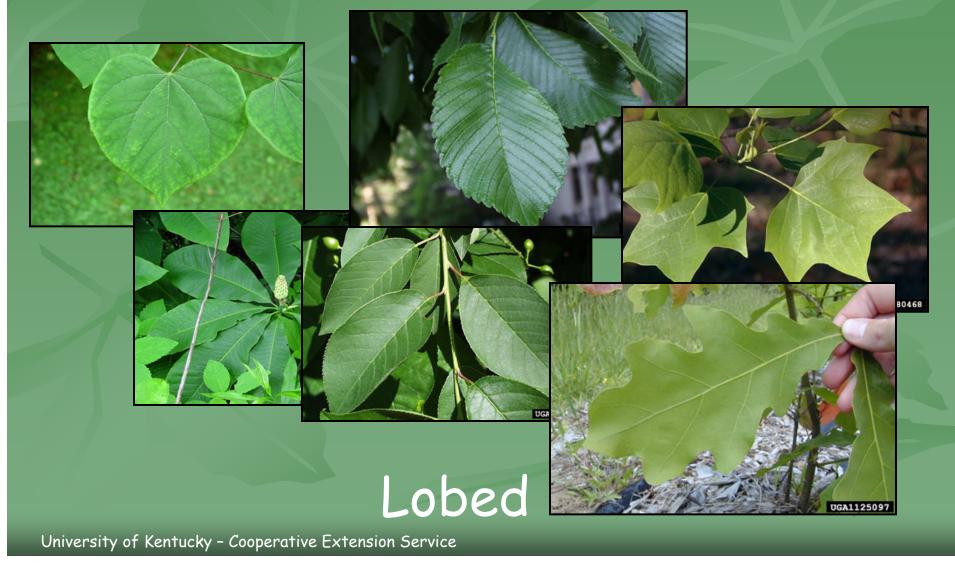
## Compound

## Simple





#### Margins Entire (or unlobed) Serrated



## Conifer or broadleaf?





ME

5 (1)

#### Opposite or alternate?

#### Simple or Compound?



## Alternate or Opposite?

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5T (2)





## Serrated or Lobed?





#### Entire or Lobed?

In the process of identifying trees, there is a logical sequence to identify the correct tree...

The "instrument" that is used to select the correct tree is a *dichotomous key*.

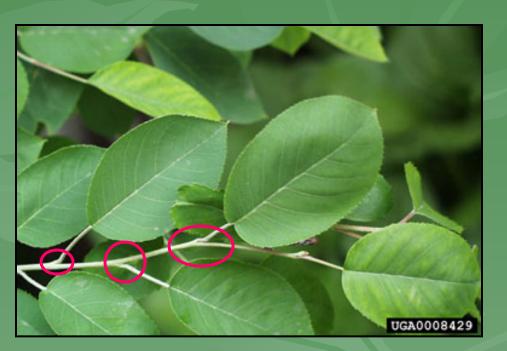
#### What is a dichotomous key?

A process in which to identify an organism based on a series of choices -

two choices at a time!

#### Example!

...of a dichotomous key for tree identification



A. Does the tree have LEAVES - if so, GO TO B A. Does the tree have NEEDLES - if so, GO TO C

B. Is the branching pattern OPPOSITE - if so GO TO D B. Is the branching pattern ALTERNATE - if so GO TO E

#### Dichotomous tree finder

ER

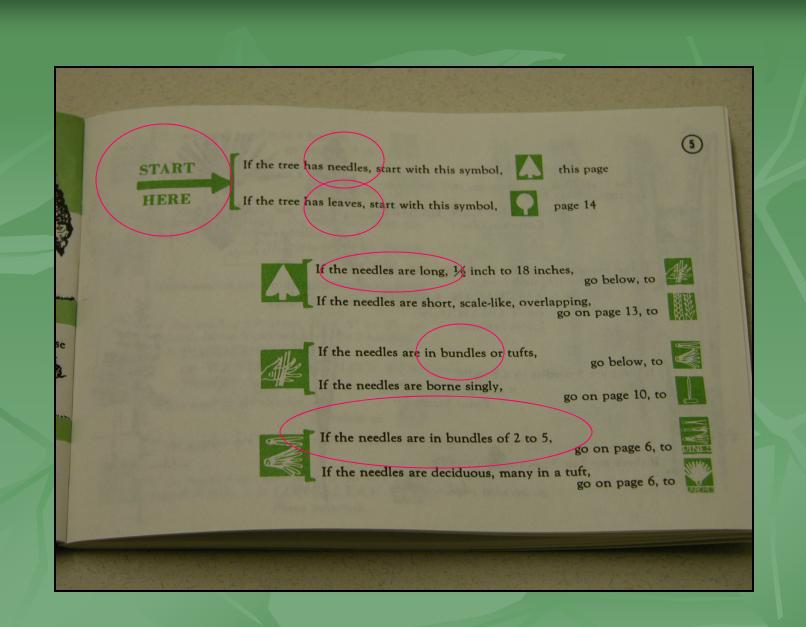
#### TREE FINDER

A Manual for the Identification of Trees by Their Leaves

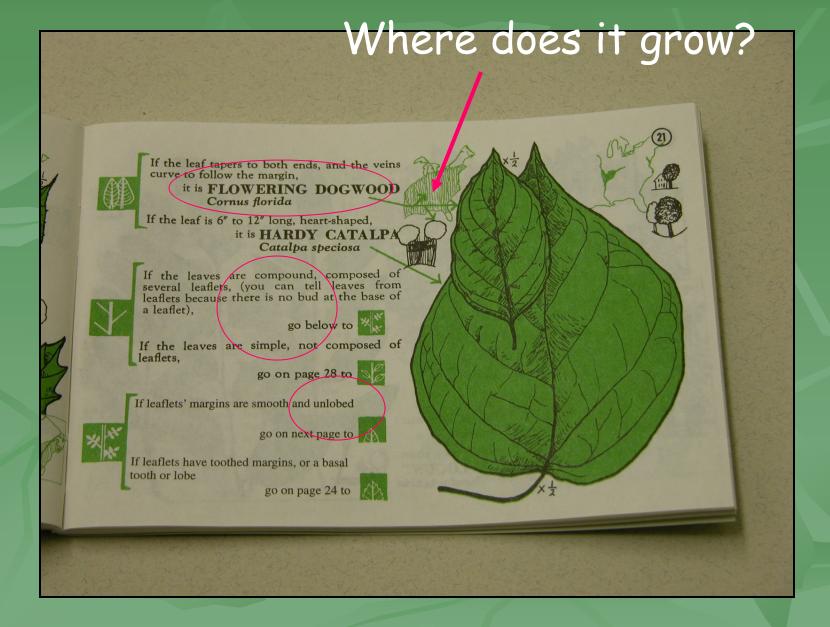
by May Theilgaard Watts

Author of: Reading the Landscape of America, Winter Tree Finder, Flower Finder, and Desert Tree Finder, also available from Nature Study Guild Publishers, Rochester, NY, www.naturestudy.com

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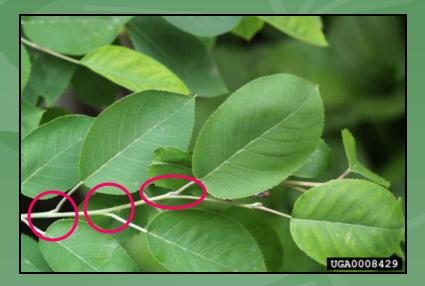
#### Dichotomous Tree Finder

A. Does the tree have NEEDLES...Go To D
A. Does the tree have LEAVES...Go To B
B. Are the leaves SIMPLE...Go To C
B. Are the leaves COMPOUND...Go To C
C. Is the branching OPPOSITE...Go To E
C. Is the branching ALLTERNATE...Go To F
D. Probably a conifer

E. Probably a maple or ash

F. Service berry Amelanchier canadensis

An abbreviated example



Websites and Resource Lists: ukforestry.org (Staff - Doug McLaren) Tree Finder by May Theilgarrd Watts plants.usda.gov/index.html www.dnr.state.wi.us/org/caer/ce/eek/veg/treekey/ www.cnr.vt.edu/dendro/dendrology/idit.htm tenn.bio.utk.edu/vascular/vascular.html www.forestryimages.org/

