

Nature Notebook 1

Caden Ryan





Philodendron Lynamii

Taxa

Domain: Eukarya

Supergroup: Archaeplastida

Kingdom: Plantae

Phylum: Angiosperm

Context/Class Reference

This plant is one of my many philodendrons in my tropical plant collection! Much like some of the plants we discuss in class, it is an angiosperm, or vascular flowering plant!

Sinningia Leucotricha

Brazilian Edelweiss

Taxa

Domain: Eukarya
Supergroup:
Archaeplastida

Context

This is another one of
my tropical plants!

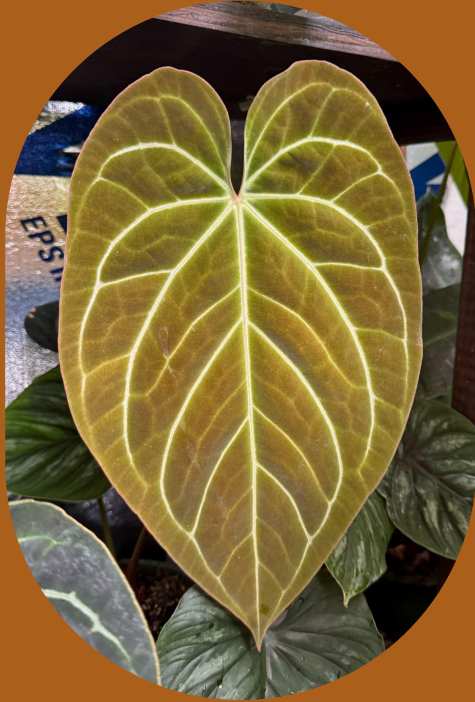
Taxa

Kingdom: Plantae
Phylum: Angiosperm

Class Reference

This is a unique caudex
plant with compound,
whorled leaf arrangement.





Anthurium Crystallinum

Taxa

Domain: Eukarya

Supergroup: Archaeplastida

Kingdom: Plantae

Phylum: Angiosperm

Context/Class Reference

Another one from my collection! Anthuriums are angiosperms that produce a unique flower with a spathe & spadix!

Metasequoia glyptostroboides

Dawn Redwood

Taxa

Domain: Eukarya
Supergroup:
Archaeplastida

Context

This is one of the few non-native trees still planted at the Auburn University Arboretum!

Taxa

Kingdom: Plantae
Phylum: Coniferophyta

Class Reference

Dawn redwoods are large gymnosperms native to China!





Monstera

Esqueleto

Taxa

Domain: Eukarya

Supergroup: Archaeplastida

Kingdom: Plantae

Phylum: Angiosperm

Context/Class Reference

This is another tropical plant in my collection! Monsteras are a unique genus of angiosperms that have evolved holes in their leaves to allow sunlight to reach the entire plant.

Plumeria Obtusa

Frangipani

Taxa

Domain: Eukarya
Supergroup:
Archaeplastida

Context

This baby plumeria tree is one of my tropical plants!

Taxa

Kingdom: Plantae
Phylum: Angiosperm

Class Reference

Plumerias are a tropical angiosperm with a famous flower with overlapping carpels.





Albizia julibrissin

Taxa

Domain: Eukarya

Supergroup: Archaeplastida

Kingdom: Plantae

Phylum: Angiosperm

Context/Class Reference

This is my very own tree! I stole it from the lake (lol) as a baby and have grown for the past 4 years in my yard! Mimosas are one of my favorite trees with their fluffy flowers and bipinnate foliage!

Bulbophyllum Masdevalliaceum

Red Horntail Orchid

Taxa

Domain: Eukarya
Supergroup:
Archaeplastida

Context

This is one of the few orchids in my plant collection! Known for super cool blooms!

Taxa

Kingdom: Plantae
Phylum: Angiosperm

Class Reference

Bulbophyllum are a unique genus of orchids that grow enlarged petioles along the rhizome.





Hoya clemensiorum

Taxa

Domain: Eukarya

Supergroup: Archaeplastida

Kingdom: Plantae

Phylum: Angiosperm

Context/Class Reference

This is one of my favorite plants in my collection! *Hoya clemensiorum* are popular among collectors because of their rigid, tough leaf blades and prominent venation!

Anthurium pallidiflorum

Strap Leaf Anthurium

Taxa

Domain: Eukarya
Supergroup:
Archaeplastida

Context

Another one from my
collection!

Taxa

Kingdom: Plantae
Phylum: Angiosperm

Class Reference

Palli's have a leaf that
is over twice the length
of the petiole!





Ulmus americana

Taxa

Domain: Eukarya

Supergroup: Archaeplastida

Kingdom: Plantae

Phylum: Angiosperm

Context/Class Reference

This is one of the many American elms in the Auburn University Arboretum! Elms are known for their small, alternately arranged serrate leaves!

Magnolia macrophylla

Big Leaf Magnolia

Taxa

Domain: Eukarya
Supergroup:
Archaeplastida

Context

This is another one of
the AU Arboretum's
trees!

Taxa

Kingdom: Plantae
Phylum: Angiosperm

Class Reference

These leaves are huge!
With blades that can
extend up to 40" long!





Tacca chantrieri

Taxa

Domain: Eukarya

Supergroup: Archaeplastida

Kingdom: Plantae

Phylum: Angiosperm

Context/Class Reference

This is a very unique plant in my collection! It's flower is extremely showy with its dark color and modified bracts that hang like whiskers!

Magnolia acuminata

Cucumber tree

Taxa

Domain: Eukarya
Supergroup:
Archaeplastida

Context

Found in Auburn
University Arboretum!

Taxa

Kingdom: Plantae
Phylum: Angiosperm

Class Reference

This is one of my favorite
magnolias because the leaves
are covered in trichomes,
making them soft and fuzzy!





Monstera deliciosa

Taxa

Domain: Eukarya

Supergroup: Archaeplastida

Kingdom: Plantae

Phylum: Angiosperm

Context/Class Reference

This is another one of my tropical houseplants!
This one grows tons of aerial roots along its
nodes and internodes!

Ulmus rubra

Slippery Elm

Taxa

Domain: Eukarya
Supergroup:
Archaeplastida

Context

Found in Auburn
University Arboretum!

Taxa

Kingdom: Plantae
Phylum: Angiosperm

Class Reference

The trichomes on these
leaves are much more
rough and scabrous, not
soft and fuzzy!





Dioscorea bulbifera

Taxa

Domain: Eukarya

Supergroup: Archaeplastida

Kingdom: Plantae

Phylum: Angiosperm

Context/Class Reference

This is one of my houseplants! It is commonly called the Air Potato because it produces small, potato-like growths on select nodes!

Magnolia grandiflora

Southern Magnolia

Taxa

Domain: Eukarya
Supergroup:
Archaeplastida

Context

This is one of many
southern magnolias in
the AU Arboretum.

Taxa

Kingdom: Plantae
Phylum: Angiosperm

Class Reference

Southern magnolias
have a very glabrous,
or shiny leaf!





Hoya villosa

Taxa

Domain: Eukarya

Supergroup: Archaeplastida

Kingdom: Plantae

Phylum: Angiosperm

Context/Class Reference

This is one of my houseplants. Hoyas are monoecious, meaning they have both male and female parts on the same plant!

Quercus alba

White Oak

Taxa

Domain: Eukarya
Supergroup:
Archaeplastida

Context

One of the largest white oaks on Auburn's campus, found in the Arboretum!

Taxa

Kingdom: Plantae
Phylum: Angiosperm

Class Reference

White oaks produce leaves with finger-like lobes!





Ficus petiolaris

Taxa

Domain: Eukarya

Supergroup: Archaeplastida

Kingdom: Plantae

Phylum: Angiosperm

Context/Class Reference

This is the only ficus in my plant collection! When given enough sunlight, this plant can produce bright red petioles!

Fraxinus americana

White Ash

Taxa

Domain: Eukarya
Supergroup:
Archaeplastida

Context

Found in Auburn
University Arboretum!

Taxa

Kingdom: Plantae
Phylum: Angiosperm

Class Reference

White ash have an
opposite leaf
arrangement!





Paphiopedilum sukhakulii

Taxa

Domain: Eukarya

Supergroup: Archaeplastida

Kingdom: Plantae

Phylum: Angiosperm

Context/Class Reference

Another one of my orchids! This one produces a single, intricately patterned/colored flower used to attract pollinators!

Quercus acutissima

Sawtooth Oak

Taxa

Domain: Eukarya
Supergroup:
Archaeplastida

Context

Found in AU
Arboretum!

Taxa

Kingdom: Plantae
Phylum: Angiosperm

Class Reference

Sawtooth oaks have
bristles that line the
edge of the leaf blade!





Acer palmatum

Taxa

Domain: Eukarya

Supergroup: Archaeplastida

Kingdom: Plantae

Phylum: Angiosperm

Context/Class Reference

Found on Auburn University campus! The Japanese maple has one of the most common and recognizable palmate leaves.

Quercus virginiana

Live Oak

Taxa

Domain: Eukarya
Supergroup:
Archaeplastida

Context

Found in AU
Arboretum!

Taxa

Kingdom: Plantae
Phylum: Angiosperm

Class Reference

Live oaks have a thick,
glabrous leaf with
pinnate venation!





Quercus pagoda

Taxa

Domain: Eukarya

Supergroup: Archaeplastida

Kingdom: Plantae

Phylum: Angiosperm

Context/Class Reference

Found in AU Arboretum! Pagoda oaks have a scaly auxiliary and terminal bud!

Ulmus alata

Winged Elm

Taxa

Domain: Eukarya
Supergroup:
Archaeplastida

Context

Found in AU
Arboretum!

Taxa

Kingdom: Plantae
Phylum: Angiosperm

Class Reference

Winged elms get their name
from the flat protrusions on
their internodes!





Quercus marilandica

Taxa

Domain: Eukarya

Supergroup: Archaeplastida

Kingdom: Plantae

Phylum: Angiosperm

Context/Class Reference

Found in AU Arboretum! Blackjack oaks are recognizable by the lobes positioned on the terminal end of the leaf!

Quercus lyrata

Overcup Oak

Taxa

Domain: Eukarya
Supergroup:
Archaeplastida

Context

Found in AU
Arboretum!

Taxa

Kingdom: Plantae
Phylum: Angiosperm

Class Reference

Overcup oaks, and all
other oaks, are
eudicots!

