The first step in acquiring knowledge is knowing the names of things



FEATURES OF LEAVES USED IN PLANT CLASSIFICATION

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and

Carol Gracie

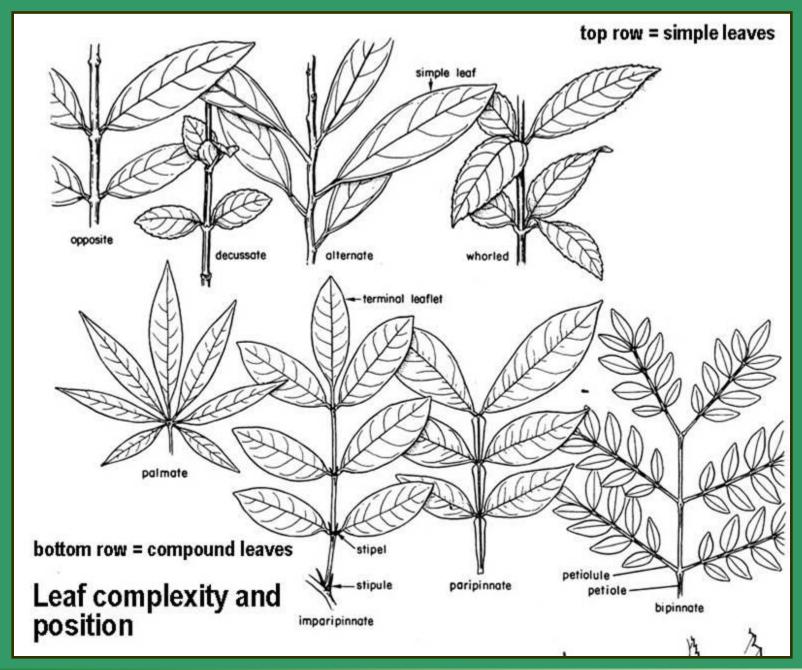
IN ORDER TO IDENTIFY PLANTS, ONE NEEDS TO KNOW BOTANICAL TERMINOLOGY FOR PLANT GROWTH FORMS, LEAVES, FLOWERS, AND FRUITS.

THE FOLLOWING IMAGES GIVE AN OVERVIEW OF LEAF TERMINOLOGY.

FOR MORE DEFINITIONS OF TERMS CLICK ON "GLOSSARY" IN THE BANNER.

THE MORPHOLOGICAL VARIATION DISPLAYED BY THE PLANTS OF SABA IS ASTONISHING, BUT ONE NEEDS TO OBSERVE CAREFULLY TO SEE AND UNDERSTAND THAT VARIATION.

AN IMPORTANT AID FOR SEEING BOTANICAL FEATURES USED IN PLANT IDENTIFICATION IS A GOOD QUALITY 10X HAND LENS.



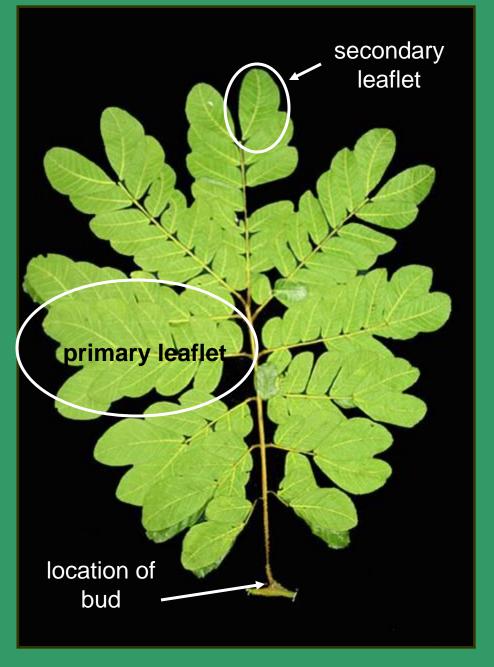
PART OF AN IMPARIPINNATE LEAF OF THE SPANISH LIME OR GENIP (Melicoccus bijugatus)

Note that this leaf
has a winged rachis
but most leaves
of this species do
not have winged
rachises. Plant
features such as
this are often variable.

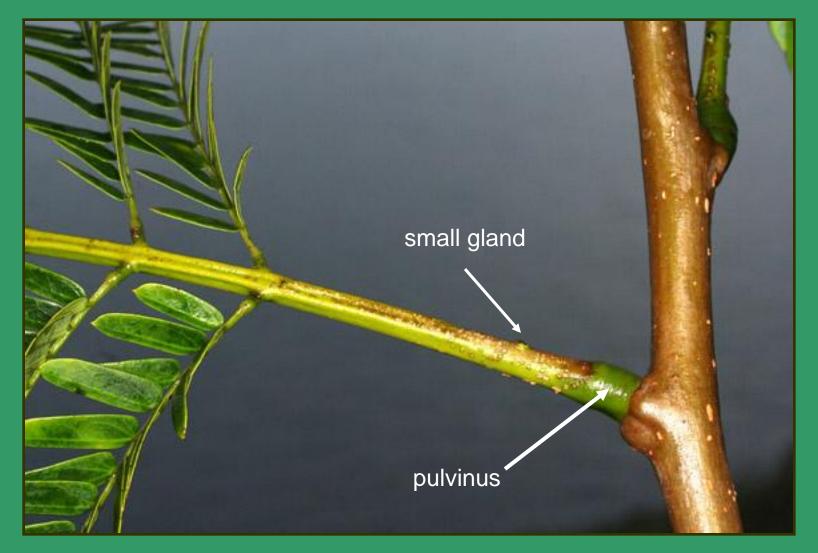


BIPINNATE LEAF OF
THE RAIN TREE
(PITHECELLOBIIUM SAMAN)
INTRODUCED TO SABA AND
GROWING AT
WILLARD'S HOTEL

The entire structure is one leaf, i.e., everything above the bud is the leaf. Click to see a primary leaflet. Click again to see a secondary leaflet. The only place where there is a bud is where one is indicated.



MONKEY EAR POD (ENTEROLOBIUM CYCLOCARPUM)

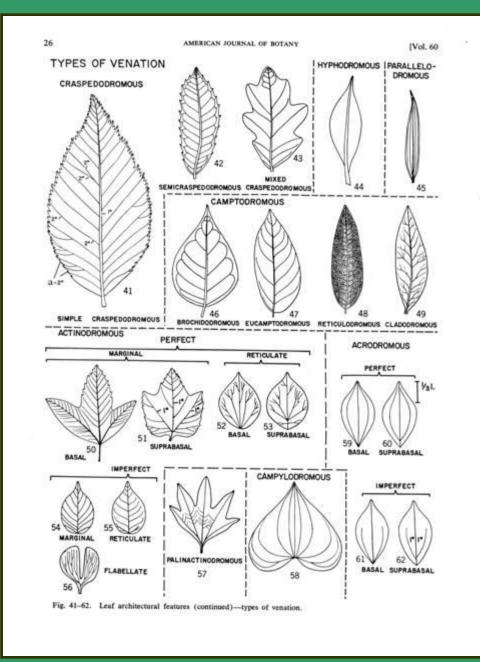


BASE OF BIPINNATE LEAF OF A MIMOSOID LEGUME

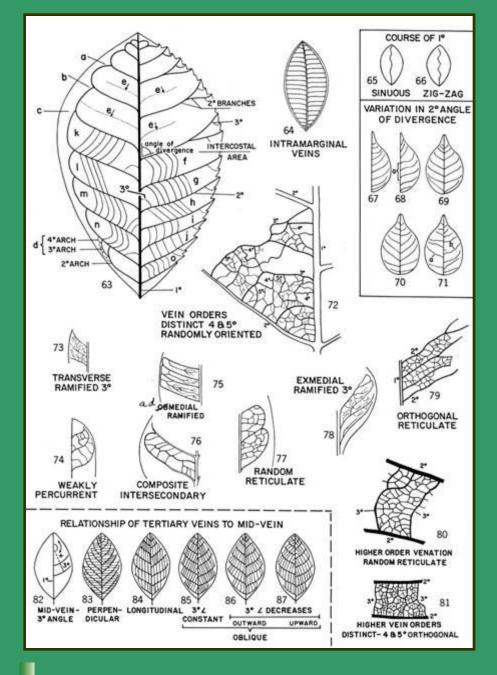
THE NEW YORK BOTANICAL GARDEN

ORDERS OF TEETH

MORE LEAF FEATURES USED IN PLANT CLASSIFICATION

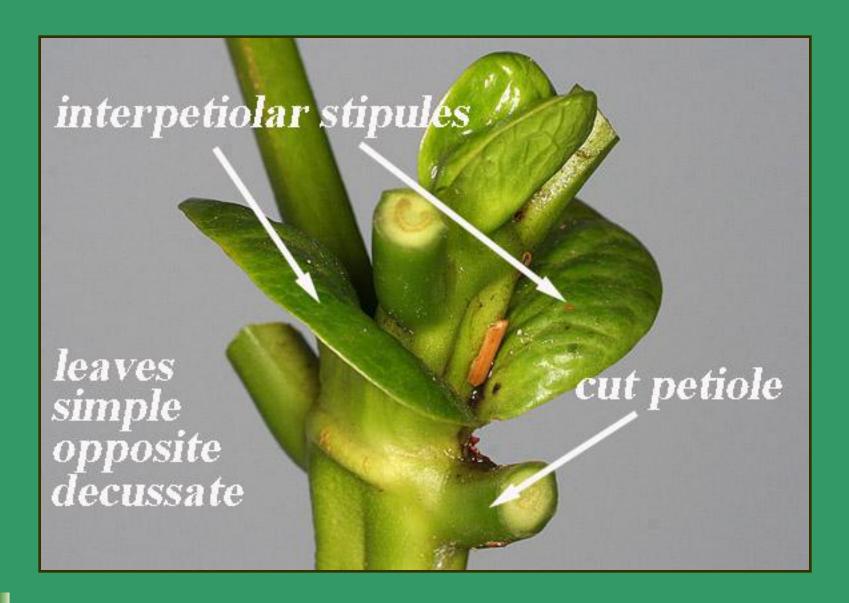


FEATURES OF LEAF VENATION USED IN PLANT CLASSIFICATION



FEATURES OF LEAF VENATION USED IN PLANT CLASSIFICATION

FEATURES OF THE LEAF OF THE NONI (MORINDA CITRIFOLIA)

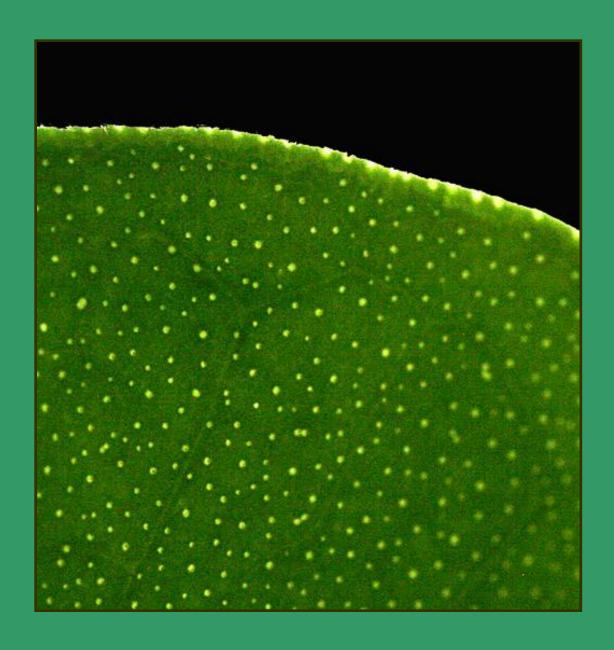


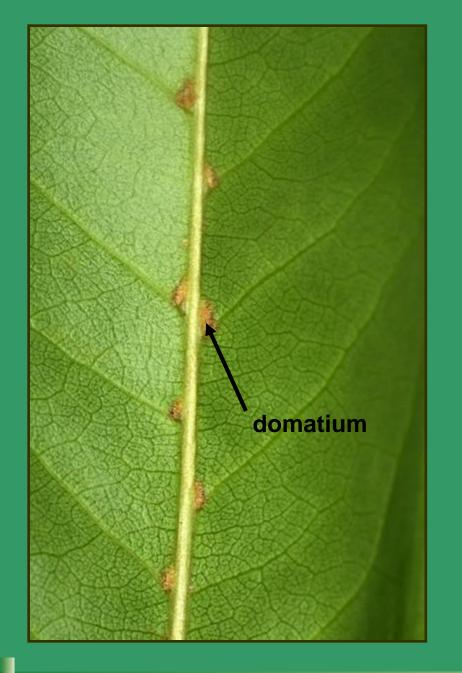
STIPULES ARE NOT
ALWAYS PRESENT OR,
IF PRESENT, THEY MAY
BE INCONSPICUOUS
SUCH AS THE STIPULE OF
THE RAIN TREE
(PITHECELLOBIUM SAMAN).
CLICK TO SEE THE STIPULE.



GLANDULAR PUNCTATIONS OF A SPECIES OF THE **MYRTLE FAMILY** (MYRTACEAE). THESE, IN THE PRESENCE OF **OPPOSITE LEAVES** AND ABSENCE OF STIPULES, ARE **GOOD KEY** CHARACTERS FOR THE IDENTIFICATION OF THIS FAMILY.

TO SEE THE PUNCTATIONS
ONE SHOULD VIEW THE
LEAF AGAINST THE SKY
THROUGH A 10X
HAND LENS.





LEAF DOMATIA

Annona montana – soursop (Annonaceae)

TRIUMFETTA SP. (TILIACEAE)



FOR FURTHER INFORMATION ABOUT LEAF TERMINOLOGY CLICK ON "GLOSSARY" IN THE BANNER AND SEARCH FOR THE TERM.