

KEY TO THE VINES OF WESTERN SOUTH CAROLINA - 2007

- 1. Leaves compound..... 2
- 1. Leaves simple 14
 - 2. Leaves twice compound (or more) 3
 - 2. Leaves once compound 4
- 3. Plants with numerous prickles Schrankia microphylla
(Sensitive brier)
- 3. Plants without prickles Ampelopsis arborea
(Pepper vine)
 - 4. Leaves with two leaflets and tendrils Bignonia capreolata
(Cross vine)
 - 4. Leaves with three or more leaflets 5
- 5. Leaves with three leaflets 6
- 5. Leaves with more than 3 leaflets 12
 - 6. Compound leaves opposite Clematis sp.
(Virgin's bower)
 - 6. Compound leaves alternate 7
- 7. Stems, petioles, and underside of leaves densely hairy,
vine 10 to 30 meters long Pueraria montana
(Kudzu)
- 7. Stems and petioles (leaf stalks) not densely hairy 8
 - 8. Vine woody, leaflets coarsely toothed to lobed 9
 - 8. Vine not woody, leaflets entire, flowers purple 10
- 9. Leaves velvety hairy below, fruits hairy, stoloniferous but not climbing, fruits hairy
lobe tips of leaf rounded Taxoicodendron pubescens
(Poison oak)
- 9. Lightly hairy beneath with tufts of brownish hairs in leaf vein axils, high climbing
and stoloniferous, fruits not hairy. lobe tips acute Taxoicodendium radicans
(Poison ivy)
 - 10. Flowers in clusters, vine in low lying woods near water
..... Amphicarpaea bractata
(Hog peanut)
 - 10. Flowers single, not in clusters 11

- 11. Flowers with ovate bracts (leaf like structures below flower), fruit more than 6 cm. long with long stalkCentrosema virginianum
(Butterfly pea)
- 11. Flowers with slender bracts, fruit less than 6 cm long and without stalk..... Clitoria mariana
....(Butterfly pea)
 - 12. Leaflets 5 and palmately arranged Parthenocissus quinquefolia
(Virginia creeper)
 - 12. Leaflets more than 5, pinnately arranged 13
- 13. Leaves (not leaflets) opposite Campsis radicans
(Trumpet creeper)
- 13. Leaves (not leaflets) alternateWisteria sp.

SIMPLE LEAVES

- 14. Simple leaves opposite15
- 14. Simple leaves alternate20
 - 15. Leaf oval or triangulate, bases broadly heart shaped, margins entire to somewhat wavy.....Mikania scandens
(Climbing hempweed)
 - 15. Vines not as above.....16
- 16. Leaves edges toothed and leaves deeply lobed Humulus japonicus
(Japanese hops)
- 16. Leaves edges not as above 17
 - 17. Vines of low lying woods, leaves leathery with edges toothed at least Towards the tip.....Decumaria barbarea
(Climbing hydrangea)
 - 17. Leaves not as above.....18
- 18. Upper most leaves fused so stem seems to perforate leaf, vine with leaves white beneath, flowers red..... Lonicera sempervirens
(Coral honeysuckle)
- 18. Upper most leaves not fused, not as above19
 - 19. Vine with white flowers turning yellow with age, leaves oval and up to 4.5 cm. wide. Some leaves lobed in spring Lonicera japonica
(Japanese honeysuckle)
 - 19. Flowers yellow, leaves lanceolate with narrow tip... Gelsemium sempervirens
(Yellow jasmine)

ALTERNATE SIMPLE LEAVES

20. Leaves entire, heart-shaped or deltoid shape, flowers in summer and into fall,
flowers funnel-shaped(the morning glories)..... 21
20. Leaves not as above..... 25
21. Flowers red and narrow funnels, leaf cordate with long tip, base of leaf
 frequently with a few teeth, leaf stalk longer than flower stalk...
 Ipomoea coccinea
 (Red morning glory)
21. Vines not as above 22
22. Flowers purple, pink or white, stem hairs bent backwards from tip
flowers with dark lines Ipomoea purpurea
(Common morning glory)
22. Not as above 23
23. Flowers white with purple centers, plant not hairy,
 edge of leaf frequently dark red.....Ipomoea pandurata
 (Man-root)
23. Not as above24
24. Vine extremely hairy and leaves deeply lobed, hair bend backwards
on stem, flowers light blue in color Ipomoea hederacea
(Hairy morning glory)
24. Flowers small (less than 1 inch long) leaf margins maroon, leaves heart
shapes and may have three lobes..... Ipomoea lacunosa
(Small flowered morning glory)
25. Leaves dark and leathery (evergreen) and palmately lobed,
 tendrils and prickles absent..... Hedera helix
 (English ivy)
25. Not as above 26
26. Stems orange flowers white, a parasitic vine blooming in the
Fall of the year growing in open areas..... Cuscuta spp.
(Dodder)
26. Vines not as above 27
27. Fruits spiny in fall , Leaves 3 to 5 lobes with tiny teeth, tendrils
 branched..... Sicyos angulatus
 (Bur cucumber)
27. Not as above 28
28. Leaves like cat's tongue above (rough), vine slender, tendrils
simple..... Melothria pendula
(Creeping cucumber)
28. Vine not as above..... 29

29. Leaves **deeply lobed**, lobes extended 1/3 of the way
to the midrib or more 30
29. Leaves not as above..... 32
30. Underside of leaf whitish, tendrils branched.....Vitis aestivalis
(Summer grape)
30. Not as above , tendrils simple..... 31
31. Lobes more than half way to midrib, leaf edge toothed, plants with
large purple fringed flowers in May to July.....Passiflora incarnata
(May pops)
31. Lobes have way to middle of leaf, leaves not toothed, small
yellow flowers in Summer and Fall Passiflora lutea
(Yellow passion-flower)
32. Green stem with pricklers, main veins palmately arranged and veins
converging at tip of leafSmilax spp.
(Greenbrier)
32. Plants not as above33
33. Leaves deltoid shape (triangular) margins smooth, fruits
pyramid shaped, hard and small..... 34
33. Not as above, margins always toothed 35
34. Fruits dull, sepals (outer most part of the flower and
found around fruit) winged.....Fallopia convolvulus
(Climbing buckwheat)
34. Fruits shinny, sepals not winged.....Fallopia scandens
(Climbing buckwheat)
35. Leaves less than 8 cm. long (3 inches) and coarsely toothed.....
..... Vitis rotundifolia
(Muscadine)
35. Leaves more than 8 cm. long (3 “) and edge with smaller teeth... 36
36. Tendrils present at 3 or more consecutive nodes, leaves
densely hairy beneath Vitis labrusca
(Fox grape)
36. Tendrils at only 2 consecutive nodes 37
37. Lower surface whitish beneath, uplands vine.....Vitis aestivalis
(Summer grape)
37. Not as above 38
38. Young stems square in cross section, stem where
leaves emerge with red band Vitis cinerea var baileyana
(Possum grape)
38. Young stems rounded, no red band as described above..... Vitis vulpina
(Frost grape)