

## CHECK LIST OF OHIO TREES.

JOHN H. SCHAFFNER

Ohio lies in the great deciduous forest region which extends from the Appalachian Mountains to the Mississippi River. This region was formerly one of the grandest woodland areas in the temperate zone. But the forest is rapidly disappearing before the civilization of the white man.

In the list given below the introduced species have been marked by the abbreviation "I.", and those which are usually small or shrub-like by "S. T." In attempting to separate "trees" from the larger "shrubs," one must necessarily be somewhat arbitrary, as nature draws no definite division line. A tree may be defined as a woody plant of any size which produces naturally one main erect stem with a definite crown of branches; while a shrub is a woody plant which produces small, irregular or slanting stems usually in tufts. The species may develop in various ways depending on the environment. Thus the writer has seen individuals of the poison ivy (*Rhus radicans* L.) develop as climbers, shrubs, and small "trees" in an area only a few rods in extent, the conditions being favorable for all three modes of growth.

In the present list, an attempt has been made to give the appropriate English name for each species. These have mostly been taken from Sudworth's "Check List of the Forest Trees of the United States." Hybrids and mere forms have not been included.

Of the 155 species listed as occurring in Ohio, 128 are native and 27 are introduced; about 106 are typical trees and 49 are small trees or shrub-like. Of the typical trees, 85 are native and 21 are introduced; and of those developing as small trees or shrubs, 43 are native and 6 are introduced.

## Subkingdom, GYMNOSPERMAE.

Class, CONIFERAE.

Order, **Pinales.**Family, *Pinaceae.*

1. *Pinus strobus* L. White Pine.
2. " *virginiana* Mill. Scrub Pine.
3. " *echinata* Mill. Yellow Pine.
4. " *rigida* Mill. Pitch Pine.
5. *Larix laricina* (DuR.) Koch. Tamarack.
6. *Tsuga canadensis* (L.) Carr. Hemlock.

Family, *Juniperaceae.*

7. *Thuja occidentalis* L. Arborvitae.
8. *Juniperus communis* L. Common Juniper. S. T.
9. " *virginiana* L. Red Juniper.

## Subkingdom, ANGIOSPERMAE.

Class, DICOTYLAE.

Subclass, APETALAE.

Order, **Salicales.**Family, *Salicaceae.*

10. *Populus alba* L. White Poplar. I.  
 11. " *heterophylla* L. Swamp Poplar.  
 12. " *balsamifera* L. Balsam Poplar.  
     Also *balsamifera candicans* (Ait.) Gr. Balm-of-Gilead.  
 13. " *dilatata* Ait. Lombardy Poplar. I.  
 14. " *deltoides* Marsh. Cottonwood.  
 15. " *grandidentata* Mx. Largetooth Aspen.  
 16. " *tremuloides* Mx. American Aspen.  
 17. *Salix nigra* marsh. Black Willow.  
 18. " *amygdaloides* And. Peachleaf Willow.  
 19. " *lucida* Muhl. Shining Willow S. T.  
 20. " *pentandra* L. Bay Willow. I. S. T.  
 21. " *fragilis* L. Crack Willow. I.  
 22. " *alba* L. White Willow. I.  
     Also *alba vitellina* (L.) Koch.  
 23. " *babylonica* L. Weeping Willow. I.  
 24. " *fluviatilis* Nutt. Sandbar Willow. S. T.  
 25. " *discolor* Muhl. Pussy Willow. S. T.  
     Also *discolor eriocephala* (Mx.) And.  
 26. " *bebbiana* Sarg. Bebb Willow. S. T.  
 27. " *purpurea* L. Purple Willow. I. S. T.

Order, **Juglandales.**Family, *Juglandaceae.*

28. *Juglans nigra* L. Black Walnut.  
 29. " *cinerea* L. Butternut.  
 30. *Hicoria minima* (Marsh.) Britt. Bitternut (Hickory).  
 31. " *ovata* (Mill.) Britt. Shagbark (Hickory).  
 32. " *laciniosa* (Mx. f.) Sarg. Shellbark (Hickory).  
 33. " *alba* (L.) Britt. Mockernut (Hickory).  
 34. " *microcarpa* (Nutt.) Britt. Small Pignut (Hickory).  
 35. " *glabra* (Mill.) Britt. Pignut (Hickory).

Order, **Fagales.**Family, *Betulaceae.*

36. *Carpinus caroliniana* Walt. Blue-beech.  
 37. *Ostrya virginiana* (Mill.) Willd. Hop-hornbeam.  
 38. *Betula populifolia* Marsh. American White Birch.  
 39. " *nigra* L. River Birch.  
 40. " *lenta* L. Sweet Birch.  
 41. " *lutea* Mx. f. Yellow Birch.  
 42. *Alnus incana* (L.) Willd. Hoary Alder. S. T.  
 43. " *rugosa* (DuR.) Koch. Smooth Alder. S. T.

Family, *Fagaceae.*

44. *Fagus americana* Sw. American Beech.  
 45. *Castanea dentata* (Marsh.) Borkh. Chestnut.  
 46. " *pumila* (L.) Mill. Chinquapin. S. T.  
 47. *Quercus rubra* L. Red Oak.  
 48. " *palustris* DuR. Pin Oak.  
 49. " *schneckii* Britt. Schneck's Red Oak.  
 50. " *coccinea* Wang. Scarlet Oak.

51. " *velutina* Lam. Quercitron Oak.  
 52. " *nana* (Marsh.) Sarg. Bear Oak. S. T.  
 53. " *marylandica* Muench. Black-Jack (Oak.)  
 54. " *imbricaria* Mx. Shingle Oak.  
 55. " *alba* L. White Oak.  
 56. " *minor* (Marsh.) Sarg. Post Oak. S. T.  
 57. " *macrocarpa* Mx. Bur Oak.  
 58. " *platanoides* (Lam.) Sudw. Swamp White Oak.  
 59. " *prinus* L. Rock Chestnut Oak.  
 60. " *acuminata* (Mx.) Houd. Chestnut Oak.  
 61. " *alexanderi* Britt. Alexander's Chestnut Oak.  
 62. " *prinoides* Willd. Scrub Chestnut Oak. S. T.

Order, **Urticales.**Family, *Ulmaceae.*

63. *Ulmus americana* L. White Elm.  
 64. " *racemosa* Thom. Cork Elm.  
 65. " *fulva* Mx. Slippery Elm.  
 66. *Celtis occidentalis* L. Common Hackberry.

Family, *Moraceae.*

67. *Morus rubra* L. Red Mulberry.  
 68. " *alba* L. White Mulberry I.  
 69. *Toxylon pomiferum* Raf. Osage-orange. I.  
 70. *Broussonetia papyrifera* (L.) Vent. Paper-mulberry. I.

## Subclass, CHORIPETALAE.

Order, **Ranales.**Family, *Magnoliaceae.*

71. *Magnolia acuminata* L. Cucumber Magnolia.  
 72. *Liriodendron tulipifera* L. Tuliptree.

Family, *Anonaceae.*

73. *Asimina triloba* (L.) Dun. Papaw. S. T.

Family, *Lauraceae.*

74. *Sassafras sassafras* (L.) Karst. Sassafras.

Order, **Rosales.**Family, *Hamamelidaceae.*

75. *Hamamelis virginiana* L. Witch-hazel. S. T.  
 76. *Liquidambar styraciflua* L. Sweet-gum.

Family, *Platanaceae.*

77. *Platanus occidentalis* L. Sycamore.

Family, *Rosaceae.*Subfamily, *Pomoideae.*

78. *Sorbus americana* Marsh. American Mountain-ash.  
 79. " *sambucifolia* (C. & S.) Roem. Elderleaf Mountain-ash.  
 80. " *aucuparia* L. European Mountain-ash. I.  
 81. *Pyrus communis* L. Pear. I.  
 82. *Malus angustifolia* (Ait.) Mx. Narrowleaf Crab-apple.  
 83. " *coronaria* (L.) Mill. Fragrant Crab-apple.  
 84. " *malus* (L.) Britt. Common Apple. I.  
 85. *Amelanchier canadensis* (L.) Medic. Common Juneberry.  
 86. " *botryapium* (L. f.) DC. Swamp Juneberry. S. T.  
 87. " *rotundifolia* (Mx.) Roem. Roundleaf Juneberry. S. T.

88. *Crataegus crus-galli* L. Cockspur Hawthorn. S. T.  
 89. " *punctata* Jacq. Dotted Hawthorn. S. T.  
 90. " *cordata* (Mill.) Ait. Washington Hawthorn.  
 91. " *oxyacantha* L. English Hawthorn. I. S. T.  
 92. " *coccinea* L. Scarlet Hawthorn. S. T.  
 93. " *rotundifolia* (Ehrh.) Borck. Glandular Hawthorn. S. T.  
 94. " *macracantha* Lodd. Longspine Hawthorn. S. T.  
 95. " *mollis* (T. & G.) Scheele. Downy Hawthorn. S. T.  
 96. " *tomentosa* L. Pear Hawthorn. S. T.

Subfamily, *Drupoideae*.

97. *Prunus americana* Marsh. Wild Plum. S. T.  
 98. " *angustifolia* Marsh. Chickasaw Plum. I.  
 99. " *cerasus* L. Sour Cherry. I.  
 100. " *avium* L. Sweet Cherry. I.  
 101. " *pennsylvanica* L. f. Red Cherry.  
 102. " *mahaleb* L. Mahaleb Cherry. I. S. T.  
 103. " *virginiana* L. Choke Cherry. S. T.  
 104. " *serotina* Ehrh. Black Cherry.  
 105. *Amygdalus persica* L. Peach. I.

Family, *Fabaceae*.Subfamily, *Cassioideae*.

106. *Cercis canadensis* L. Redbud.  
 107. *Gleditsia triacanthos* L. Honey-locust.  
 108. *Gymnocladus dioica* (L.) Koch. Coffee-bean.

Subfamily, *Papilionoideae*.

109. *Robinia pseudacacia* L. Common Locust. I.  
 110. " *viscosa* Vent. Clammy Locust. I.

Order, *Geraniales*.Family, *Rutaceae*.

111. *Xanthoxylum americanum* Mill. Prickly-ash. S. T.  
 112. *Ptelea trifoliata* L. Hoptree. S. T.

Family, *Simarubaceae*.

113. *Ailanthus glandulosa* Desf. Tree-of-heaven. I.

Order, *Sapindales*.Family, *Anacardiaceae*.

114. *Rhus copallina* L. Dwarf Sumac. S. T.  
 115. " *hirta* (L.) Sudw. Staghorn Sumac. S. T.  
 116. " *glabra* L. Smooth Sumac. S. T.  
 117. " *vernix* L. Poison Sumac. S. T.  
 118. *Cotinus cotinus* (L.) European Smoketree. I. S. T.

Family, *Ilicaceae*.

119. *Ilex opaca* Ait. American holly. S. T.

Family, *Celastraceae*.

120. *Euonymus atropurpureus* Jacq. Wahoo. S. T.  
 121. " *europaeus* L. Spindle-tree. I. S. T.

Family, *Staphyleaceae*.

122. *Staphylea trifoliata* L. American Bladdernut. S. T.

Family, *Aceraceae*.

123. *Acer saccharinum* L. Silver Maple.  
 124. " *rubrum* L. Red Maple.  
 125. " *saccharum* Marsh. Sugar Maple.  
 126. " *nigrum*, Mx. Black Maple.

127. " pennsylvanicum L. Striped Maple.  
 128. " spicatum Lam. Mountain Maple. S. T.  
 129. " negundo L. Boxelder.

Family, *Hippocastanaceae*.

130. Aesculus hippocastanum L. Horse-chestnut. I.  
 131. " glabra Willd. Ohio Buckeye.  
 132. " octandra Marsh. Yellow Buckeye.  
 Also octandra hybrida (DC.) Sarg.

Order, **Rhamnales**.

Family, *Rhamnaceae*.

133. Rhamnus caroliniana Walt. Carolina Buckthorn. S. T.

Order, **Malvales**.

Family, *Tiliaceae*.

134. Tilia americana L. American Linden.  
 135. " heterophylla Vent. White Linden.

Subclass, HETEROMERAE.

Order, **Ericales**.

Family, *Ericaceae*.

136. Rhododendron maximum L. Great Rhododendron. S. T.  
 137. Kalmia latifolia L. Mountain Kalmia. S. T.  
 138. Oxydendrum arboreum (L.) DC. Sorrel-tree.

Order, **Ebenales**.

Family, *Ebenaceae*.

139. Diospyros virginiana L. Persimmon.

Subclass, SYMPETALAE HYPOGYNAE.

Order, **Gentianales**.

Family, *Oleaceae*.

140. Fraxinus americana L. White Ash.  
 141. " biltmoreana Bead. Biltmore Ash.  
 142. " lanceolata Borck. Green Ash.  
 143. " pennsylvanica Marsh. Red Ash.  
 144. " quadrangulata Mx. Blue Ash.  
 145. " nigra Marsh. Black Ash.  
 146. Chionanthus virginica L. Fringetree. S. T.

Order, **Polemoniales**.

Family, *Bignoniaceae*.

147. Catalpa catalpa (L.) Karst. Common Catalpa. I.  
 148. " speciosa Warder. Hardy Catalpa. I.

Subclass, SYMPETALAE EPIGYNAE.

Order, **Umbellales**.

Family, *Araliaceae*.

149. Aralia spinosa L. Angelica-tree. S. T.

Family, *Cornaceae*.

150. Cornus florida L. Flowering Dogwood.  
 151. " asperifolia Mx. Roughleaf Dogwood. S. T.  
 152. " alternifolia L. f. Blue Dogwood. S. T.  
 153. Nyssa sylvatica Marsh. Tupelo.

Order, **Rubiales**.

Family, *Caprifoliaceae*.

154. Viburnum lentago L. Sheepberry. S. T.  
 155. " prunifolium L. Black Haw. S. T.