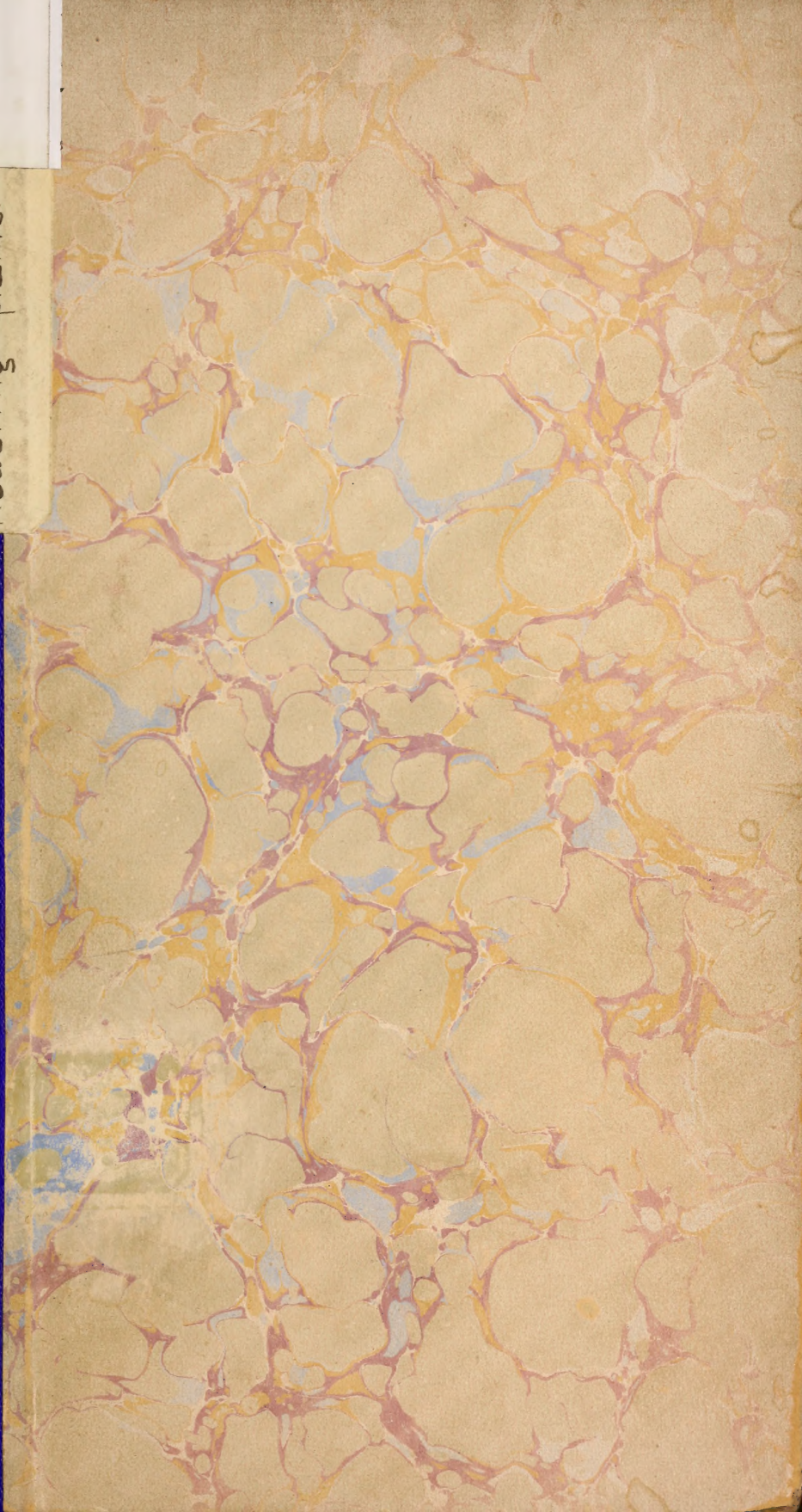


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Caton.
Catalogue of the
flowering plants.



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THE NEW YORK BOTANICAL GARDEN

*Given by the Royal Gardens
Kew, 1902*

September 1897

R. W. Gibson Invt

A CATALOGUE
OF THE
FLOWERING PLANTS
AND
HIGHER CRYPTOGAMS

*GROWING WITHOUT CULTIVATION WITHIN THIRTY MILES OF
YALE COLLEGE.*

LIBRARY
NEW YORK
BOTANICAL
GARDEN

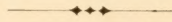
Published by the Berzelius Society.

*2d by
D. C. Eaton*

SHEFFIELD SCIENTIFIC SCHOOL, NEW HAVEN :
TUTTLE, MOREHOUSE & TAYLOR, PRINTERS.
1878.

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1,037

SUMMARY OF SPECIES.



| | |
|------------------------------------|-------|
| Polypetalous, - - - - - | 367 |
| Monopetalous, - - - - - | 373 |
| Apetalous, - - - - - | 126 |
| Angiosperms, - - - - - | 866 |
| Gymnosperms, - - - - - | 10 |
| Exogens, - - - - - | 876 |
| Endogens, - - - - - | 357 |
| Phænogams, - - - - - | 1,233 |
| Introduced phænogams, - - - - - | 196 |
| Indigenous phænogams, - - - - - | 1,037 |
| Acrogens, - - - - - | 52 |
| Musci, - - - - - | 167 |
| Hepaticæ, - - - - - | 54 |
| Cryptogams, - - - - - | 273 |
| Total number of species, - - - - - | 1,506 |

P R E F A C E .

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THE following list has been prepared by students of the Sheffield Scientific School as a simple contribution to the botanical literature of the region. Disregarding the numerous changes which have been made since its publication, it has been our intention to follow in the higher groups, as far as possible, the arrangement and nomenclature of Gray's Manual; and to this reference must be had for the explanation of typography, abbreviations, etc. In a very few cases of unusual interest we have exceeded the thirty-mile boundary, but in no case without sufficient cause.

It is abundant proof of the scientific accuracy of the list, that Professor Eaton has examined and pronounced upon all doubtful cases; and we are under special obligations to him, not only for constant encouragement and advice, but also for the preparation of the Introduction and for compiling the entire list of Mosses and Liverworts.

It should be kept clearly in mind, that whenever Long Island is mentioned, only that portion is referred to which falls within our limits; and further, that every Long Island plant, not otherwise credited, has been identified by Mr. E. S. Miller, of Wading River, who has generously supplied us with a full list of the flowering plants in his district.

On our northern borders we have received very substantial aid from H. J. Bassett, Esq., of the Bronson Library, Waterbury; from Miss Charlotte A. Willard who has carefully studied the plants of Farmington; from Mr. W. H. Patton of the Peabody Museum, who has collected largely in the neighborhood of Waterbury and New Haven; and from the veteran botanist, Charles Wright, Esq., of Wethersfield, who has informed us of several rare species. Mr. P. M. Augur, of Middlefield, our state Pomologist, has also contributed much general intelligence.

JAN 24 1902

For assistance in the vicinity of New Haven we wish to acknowledge our indebtedness to Prof. O. D. Allen, F. N. Pease, Esq., and Mr. J. A. Allen for many indispensable notes, especially upon the Cyperaceæ and Cryptogamia; to Mr. and Mrs. Oscar Harger for much general aid, especially upon the grasses; and to Dr. F. W. Hall of West Cornwall, who has added many interesting species. Messrs. T. S. Brandegee, of Berlin, H. M. Denslow, J. Sumner Smith and Robert Veitch, of New Haven, have also made important additions. With Mr. George W. Hawes and Dr. T. M. Prudden originated the idea of the present list, to which they have contributed very many species. We wish also to express thanks to our publishers, Messrs. Tuttle, Morehouse & Taylor, for unusual care in their part of the work.

As it is desired to maintain and increase its accuracy, we ask that specimens of (uncultivated) plants not already in the list be sent, with full particulars concerning habitat, date and circumstances of collection, etc., to Prof. D. C. Eaton, New Haven, Ct., in order that they may be preserved for future reference.

A list of additions and corrections will be found at the end of the catalogue.

THE EDITORS.

March 30th, 1878.

INTRODUCTION.

IN 1831 there was published in New Haven by Hezekiah Howe a "Catalogue of the phænogamous plants and the ferns growing without cultivation, within five miles of Yale College." On examining this catalogue with some care, about twenty years ago, I found recorded in it the names of a good many plants which I could not find anywhere near New Haven, and of some which I could not believe had ever been found within the borders of the State of Connecticut. The venerable Dr. Eli Ives was then living, and, when I questioned the accuracy of the Catalogue, he informed me that it was hastily prepared by Dr. William Tully, Dr. Melines C. Leavenworth and himself, each person adding to the list all the plants he remembered to have seen, and, as two of the gentlemen had botanized in other parts of the country, it was possible that they had attributed to New Haven some plants which they had seen only elsewhere. The explanation is perfectly satisfactory; but while it may account for the presence in the Catalogue of such names as *Abies nigra*, *Acer dasycarpum*, *Drosera filiformis*, *Rhexia Mariana* and *Solidago Virga-aurea*, it much diminishes the value of the work as showing the species found here half a century ago.

It has been the intention of the compilers of the new Catalogue to admit no species to its pages until fully proved to occur within the assigned limits, and in most cases to require the proof of actual specimens collected before accepting the name. Stations for the less common species are given, perhaps almost too profusely, but it is thought that this very profuseness will not only add to the present usefulness of the Catalogue, but may afford to the Botanists of succeeding generations a valuable means of observing the changes which time and man's influence will surely produce in the flora of our region. *Linnæa borealis* occurs rather sparingly in Milford, and still lingers on a knob at the southern end of

the Saltonstall Range. *Epigæa repens*, which thirty years ago grew along the eastern portion of Oyster Point, is not quite exterminated at Wintergreen Falls, is found in moderate abundance on the banks of Woodbridge Glen, and is still so plentiful in a glen on the eastern borders of Bethany, as to give its name to *Epigæa Ravine*. The walking-leaf, which Dr. Ives told me once grew in Grove street and on East Rock, has gone from those places, but is found on serpentine rocks in Orange, and in considerable quantity in Roaring Brook. These are plants apparently destined to extinction in our near vicinity.

Species undoubtedly once here, but already destroyed are *Calla palustris*, *Podophyllum peltatum*, *Aralia quinquefolia*, *Aristolochia Serpentaria*. Two of these, the mandrake and the snake-root remained "within five miles of Yale College" even till my day, but have now entirely disappeared. *Cornus Canadensis* still grows even within the city limits, but where shall our successors find it?

On the other hand the number of introduced weeds is increasing, as it naturally would with increasing commerce and facilities for travel. *Lepidium campestre* was first observed only twelve years ago, and *Argemone Mexicana* only last summer.

The radius of thirty miles takes in a considerable portion of the northern shore of Long Island, where there resides a most industrious Botanist, Mr. Elihu S. Miller. He has furnished the names, and in most cases the specimens too, of over an hundred plants which have not been found in Connecticut, among them eight *Utricularias*, *Chrysopsis falcata*, *Chrysopsis Mariana*, *Leucothoë racemosa*, *Stylosanthes elatior*, *Spiranthes simplex* and *Potamogeton pulcher*. He also restores *Drosera filiformis* to our Catalogue, though, of course, not as a Connecticut plant. Certain genera which are common enough in New Haven County are absent from Mr. Miller's list; among them *Actæa*, *Ulmus*, *Trillium*, *Erythronium*, *Corydalis*, *Dicentra*, *Claytonia* and *Sanguinaria*.

Among the sub-alpine or northern plants which have been found in Connecticut are *Potentilla tridentata* (in West Cornwall, just outside our limits), *Rhodora Canadensis*, *Linnæa borealis*, *Viburnum lantanoides*, *Trillium erythrocarpum* and *Streptopus roseus*; and while I write comes the announcement of *Arenaria Groenlandica*, on some high rocks in Middletown, but this surely needs ample proof!

The maritime region along the shore of Long Island Sound produces a large number of littoral species, but some which one would expect are not yet discovered. *Arenaria peploides*, which, by the way, is given in the old Catalogue, is not known on the Connecticut shore, though common on the Long Island shore of the Sound, and occurring at Watch Hill, while *Rumex maritimus* and *Ranunculus Cymbalaria* are unknown here. Two of our sea-shore plants, *Chenopodium leptophyllum* and *Panicum amarum*, reappear in Colorado.

Special localities, which richly repay the collector's search, are the Maltby Park region, extending into the boundaries of Westville, Woodbridge Glen, Saltonstall Lake and Ridge, and especially Paine's Hole on Mt. Carmel, and the ravines leading from it down both the northern and southern sides of the mountain. For more distant excursions, the Meriden Hills, the borders of Litchfield pond, and the shores of the Connecticut river are especially worthy of careful search.

Though the Musci and Hepaticæ of this region prove to be more numerous than I had supposed, yet it can not be doubted that many species in both these orders are yet to be detected. In the former order Schimper's latest arrangement has been followed, and in the latter the arrangement given in Austin's Hepaticæ Boreali-Americanæ. The larger algæ have been diligently collected, but as the less conspicuous species have not been carefully studied, it has been thought best to omit the whole Class. Very little has been done as yet in the study of our Lichens and Fungi; but it may be well to notice that the rare *Hydrothyria venosa* is plentiful in a rivulet on the north side of Mt. Carmel, and the curious *Mitremyces lutescens* is found in a bit of swampy woods at the southern foot of Mill Rock.

In concluding this introduction I may be allowed to say that while I have gladly rendered what assistance I could to the Editors of this Catalogue, it is truly their own work, and to them belongs whatever credit it may receive. It is also a great pleasure to have been able to point to my venerable friend and predecessor, Dr. Eli Ives, as the discoverer of some of our most interesting species, and thus to connect with the present effort the honored name of one who belonged to a former generation.

DANIEL C. EATON.

SERIES I.

PHÆNOGAMOUS OR FLOWERING PLANTS.

CLASS I. DICOTYLEDONOUS OR EXOGENOUS PLANTS.

SUBCLASS I. ANGIOSPERMÆ.

DIVISION I. POLYPETALOUS EXOGENOUS PLANTS.

ORDER 1. RANUNCULACEÆ.

1. CLEMATIS, L.

1. **verticillaris**, DC. East Rock, West Rock, Mt. Carmel, Meriden, Farmington, etc.

2. **Virginiana**, L.

2. ANEMONE, L.

3. **Virginiana**, L.

4. **Pennsylvanica**, L. Oxford, *Harger*.

5. **nemorosa**, L.

3. HEPATICA, Dill.

6. **triloba**, Chaix.

4. THALICTRUM, Tourn.

7. **anemonoides**, Michx.

8. **dioicum**, L. East Rock, Mill Rock, Farmington, etc.

9. **purpurascens**, L.

var. **ceriferum**, C. F. Austin.

10. **Cornuti**, L.

5. RANUNCULUS, L.

11. **aquatilis**, L., var. **trichophyllus**, Chaix. Lake Whitney, Farmington, River Head on Long Island, etc.

12. **multifidus**, Pursh. East Haven, Saltonstall Ridge, etc.

13. **alismæfolius**, Geyer. Westville, etc.

14. **Flammula**, L., var. **reptans**, Gray. Wethersfield, *Charles Wright*; Waterbury, *H. J. Bassett*.

15. **abortivus**, L.

var. **micranthus**, Gray.

16. **sceleratus**, L. Beaver Meadows, etc.

17. *recurvatus*, Poir.
18. *Pennsylvanicus*, L. Berlin, *Brandegee*; Farmington, etc.
19. *fascicularis*, Muhl.
20. *repens*, L.
21. *BULBOSUS*, L.
22. *ACRIS*, L.
6. *CALTHA*, L.
23. *palustris*, L.
7. *COPTIS*, Salisb.
24. *trifolia*, Salisb. Pine Swamp in Hamden, Saybrook, Farmington, Waterbury, etc.
8. *AQUILEGIA*, Tourn.
25. *Canadensis*, L.
26. *VULGARIS*, L. Hamden, *Eaton*; Wading River on Long Island, *Miller*.
9. *DELPHINIUM*, Tourn.
27. *CONSOLIDA*, L. Rare, *Prudden*.
10. *ACTÆA*, L.
28. *spicata*, L., var. *rubra*, Michx.
29. *alba*, Bigel. White berries with slender pedicels, and red berries with thick pedicels, at Mt. Totoket, *Harger*.
11. *CIMICIFUGA*, L.
30. *racemosa*, Ell. West Rock, Waverly Grove in West Haven, Allingtown, Woodbridge; Redding, *Dr. I. R. Sanford*, etc.
- ORDER 2. *MAGNOLIACEÆ*.
12. *LIRIODENDRON*, L.
31. *Tulipifera*, L.
- ORDER 3. *MENISPERMACEÆ*.
13. *MENISPERMUM*, L.
32. *Canadense*, L. Common in rocky places.
- ORDER 4. *BERBERIDACEÆ*.
14. *BERBERIS*, L.
33. *VULGARIS*, L.
15. *CAULOPHYLLUM*, Michx.
34. *thalictroides*, Michx. Mt. Carmel, Roaring Brook, Mt. Totoket, Killingworth, etc.
16. *PODOPHYLLUM*, L.
35. *peltatum*, L. Rare, *Eaton*. Oxford, *J. Harger*.

ORDER 5. NYMPHÆACEÆ.

17. BRASENIA, Schreber.

36. *peltata*, Pursh. Beaver Meadows, Wading River on Long Island, etc.

18. NELUMBIUM, Juss.

37. *luteum*, Willd. Selden's Cove, Hadlyme. Very rare. The late Mrs. Dyer White, of New Haven, on seeing specimens of this plant in 1856, told Prof. Eaton that many years ago flowers of the American Lotus were presented to her in Hartford, and that she supposed it must then have grown somewhere near that city. It is hardly possible that these could have come from Selden's Cove, as the time must have been near the close of the last century.

19. NYMPHÆA, Tourn.

38. *odorata*, Ait.

20. NUPHAR, Smith.

39. *advena*, Ait.

40. *luteum*, Smith, var. *pumilum*, Gray. Shetucket River in Windham; *Dr. Robbins*.

ORDER 6. SARRACENIACEÆ.

21. SARRACENIA, Tourn.

41. *purpurea*, L. Beaver Meadows, Waterbury, Redding, River Head on Long Island, etc., sparingly.

ORDER 7. PAPAVERACEÆ.

22. ARGEMONE, L.

42. *MEXICANA*, L. Roadsides in Fair Haven, *Eaton*.

23. CHELIDONIUM, L.

43. *MAJUS*, L.

24. SANGUINARIA, Dill.

44. *Canadensis*, L.

ORDER 8. FUMARIACEÆ.

25. ADLUMIA, Raf.

45. *cirrhusa*, Raf. West Rock, Mt. Carmel, Oxford, Southbury; abundant in Waterville, *Bassett*; Redding, *Miss L. Sanford*.

26. DICENTRA, Bork.

46. *Cucullaria*, DC.

27. **CORYDALIS**, Vent.
47. **glauca**, Pursh.

28. **FUMARIA**, L.
48. **OFFICINALIS**, L. New Haven, etc.

ORDER 9. **CRUCIFERÆ.**

29. **NASTURTIUM**, R. Br.
49. **OFFICINALE**, R. Br.
50. **SYLVESTRE**, R. Br. *Prof. Eaton and Charles Wright.*
51. **palustre**, DC.
52. **ARMORACIA**, Fries.

30. **DENTARIA**, L.
53. **diphylla**, L. Westville, Maltby Park, etc.
54. **laciniata**, Muhl. Mt. Carmel, etc.

31. **CARDAMINE**, L.
55. **rhomboidea**, DC.
56. **hirsuta**, L.
var. **sylvatica**, Gray. Pine Rock; Northville on Long Island, *H. W. Young.*

32. **ARABIS**, L.
57. **lyrata**, L.
58. **hirsuta**, Scop. East Rock, *Allen.*
59. **lævigata**, DC.
60. **Canadensis**, L. East Rock, etc.
61. **perfoliata**, Lam. One plant at Wading River, L. I., *Miller.*

33. **BARBAREA**, R. Br.
62. **vulgaris**, R. Br.
63. **PRÆCOX**, R. Br. New Haven, *Patton*; Wading River, L. I., etc.

34. **BRASSICA**, Tourn.
64. **SINAPISTRUM**, Boissier. Middletown.
65. **NIGRA**, Gray.
66. **CAMPESTRIS**, L.

35. **DRABA**, L.
67. **Caroliniana**, Walt. East Haven, *Pease.*
68. **verna**, L. East Haven, Savin Rock, Stony Creek, etc.

36. **ALYSSUM**, Tourn.
69. **CALYCINUM**, L. Stony Creek and New Haven, *Prudden.*

37. **CAMELINA**, Crantz.
70. **SATIVA**, Crantz. One plant found on Long Island by *Miller.*

38. **CAPSELLA**, Vent.

71. **BURSA-PASTORIS**. Moench.

39. **LEPIDIUM**, L.

72. **Virginicum**, L.
73. **CAMPESTRE**. L.

40. **CAKILE**, Tourn.

74. **Americana**, Nutt. Shore of Long Island Sound.

41. **RAPHANUS**, L.

75. **RAPHANISTRUM**. L.

ORDER 10. **CAPPARIDACEÆ**.

42. **POLANISIA**, Raf.

76. **graveolens**, Raf. Shores of Connecticut River.

ORDER 11. **RESEDACEÆ**.

43. **RESEDA**, L.

77. **LUTEOLA**, L. *Eaton*. 1874, *E. S. Miller*, but now lost.

ORDER 12. **VIOLACEÆ**.

44. **VIOLA**, L.

78. **rotundifolia**, Michx. Wintergreen Falls, Mt. Carmel, Woodbridge Glen.
Waterbury, etc.

79. **lanceolata**, L.

80. **primulæfolia**, L.

81. **blanda**, Willd.

82. **ODORATA**, L. Escaped, *Pease*.

83. **cucullata**, Ait.

var. **palmata**, Gray.

84. **sagittata**, Ait.

85. **pedata**, L.

var. **bicolor**, Gray. Milford, *G. B. Grinnell*; Orange, *E. E. Gaylord*:
and at Wading River, sparingly.

86. **canina**, L. var. **sylvestris**, Regel.

87. **rostrata**, Pursh. Meriden Hills, Mt. Totoket, Waterbury, etc.

88. **pubescens**, Ait.

var. **eriocarpa**, Nutt.

var. **scabriuscula**, Torr. and Gray.

89. **TRICOLOR**. L.

ORDER 13. **CISTACEÆ**.

45. **HELIANTHEMUM**, Tourn.

90. **Canadense**, Michx.

46. HUDSONIA, L.

91. *ericoides*, L. River Head, L. I.
92. *tomentosa*, Nutt. South End, River Head on Long Island, etc.

47. LECHEA, L.

93. *major*, Michx.
94. *thymifolia*, Pursh. L. I., etc.
95. *Novæ-Cæsareæ*, C. F. Austin. On Long Island, *E. S. Miller*.
96. *tenuifolia*, Michx. Common at Wading River.
97. *minor*, Lam.

ORDER 14. DROSERACEÆ.

48. DROSERA, L.

98. *rotundifolia*, L. Beaver Meadows, etc.
99. *longifolia*, L. Beaver Meadows, etc.
100. *filiformis*, Raf. Common on Long Island; not reported elsewhere.

ORDER 15. HYPERICACEÆ.

49. HYPERICUM, L.

101. *pyramidatum*, Ait. Derby, along Housatonic River; Oxford. *Harger*; Farmington, *Miss Willard*.
102. *ellipticum*, Hook.
103. *PERFORATUM*, L.
104. *corymbosum*, Muhl.
105. *mutilum*, L.
106. *Canadense*, L.
var. *major*, Gray. Long Pond in Wading River.
107. *Sarothra*, Michx.

50. ELODES, Adans.

108. *Virginica*, Nutt.

ORDER 16. ELATINACEÆ.

51. ELANTINE, L.

109. *Americana*, Arnott. Whitneyville, etc.

ORDER 17. CARYOPHYLLACEÆ.

52. DIANTHUS, L.

110. *ARMERIA*, L.

53. SAPONARIA, L.

111. *OFFICINALIS*, L.

54. VACCARIA, Medik.

112. *VULGARIS*, Host. Occasionally seen.

55. **SILENE**, L.

113. **stellata**, Ait. East Haven, etc.
114. **INFLATA**, Smith. Mill Rock, Farmington, etc.
115. **Pennsylvanica**, Michx.
116. **antirrhina**, L.
117. **NOCTIFLORA**, L. Waterbury, *Patton*.

56. **LYCHNIS**, Tourn.

118. **VESPERTINA**, Sibth. Westville, etc., *Eaton*.
119. **GITHAGO**, Lam.

57. **ARENARIA**, L.

120. **SERPYPHILIFOLIA**, L.
121. **squarrosa**, Michx. Selden, L. I.
122. **lateriflora**, L.
123. **peploides**, L. Shore of Long Island.

58. **STELLARIA**, L.

124. **MEDIA**, Smith.
125. **longifolia**, Muhl.

59. **CERASTIUM**, L.

126. **VULGATUM**, L.
127. **VISCOSUM**, L.
128. **nutans**, Raf. Waterbury, *Patton*.
129. **arvense**, L. Abundant on West Rock, etc.

60. **SAGINA**, L.

130. **procumbens**, L. In mossy rills on Mt. Carmel, Saltonstall Ridge, etc.
131. **apetala**, L. Stony Brook, L. I.

61. **SPERGULARIA**, Pers.

132. **rubra**, Presl. var. **campestris**, Gray.
133. **salina**, Presl. Savin Rock, *Pease*.
134. **media**, Presl.

62. **SPERGULA**, L.

135. **ARVENSIS**, L.

63. **ANYCHIA**, Michx.

136. **dichotoma**, Michx.

64. **SCLERANTHUS**, L.

137. **ANNUUS**, L.

65. **MOLLUGO**, L.

138. **verticillata**, L. Common along the shore.

ORDER 18. PORTULACACEÆ.

66. PORTULACA, Tourn.

139. OLERACEA, L.
140. GRANDIFLORA, Gray. Escaped.

67. TALINUM, Adans.

141. *teretifolium*, Pursh. This occurs in an old collection of Connecticut plants by *Chas. Wright*. It appears to have been formerly in Orange, but is now probably extinct.

68. CLAYTONIA, L.

142. *Virginica*, L. West Rock, Orange, Mt. Totoket, Mt. Carmel, and northward.

ORDER 19. MALVACEÆ.

69. ALTHÆA, L.

143. OFFICINALIS, L. Setauket, L. I.

70. MALVA, L.

144. ROTUNDIFOLIA, L.
145. SYLVESTRIS, L.
146. MOSCHATA, L. Escaped.

71. ABUTILON, Tourn.

147. AVICENNÆ, Gærtn.

72. HIBISCUS, L.

147. *Moscheutos*, L. Salt and brackish marshes.
149. TRIONUM, L.

ORDER 20. TILIACEÆ.

73. TILIA, L.

150. *Americana*, L.
var. *pubescens*, Gray. On Long Island.

ORDER 21. LINACEÆ.

74. LINUM, L.

151. *Virginianum*, L.
152. *striatum*, Walt.
153. *sulcatum*, Riddell.
154. USITATISSIMUM, L.

ORDER 22. GERANIACEÆ.

75. GERANIUM, L.

155. *maculatum*, L.
156. *Carolinianum*, L. Stony Creek, Beaver Meadows, Farmington. L. I., etc.
157. *Robertianum*, L.

76. ERODIUM, L'Her.

158. *CICUTARIUM*, L'Her. River Head, L. I.

77. IMPATIENS, L.

159. *pallida*, Nutt. Oxford, *Harger*. Abundant in Farmington, *Sedgwick*.
160. *fulva*, Nutt.

78. OXALIS, L.

161. *Acetosella*, L. Litchfield County.
162. *violacea*, L.
163. *stricta*, L.
164. *CORNICULATA*, L. Along the railroad in Fair Haven and at Savin Rock,
J. A. Allen.

ORDER 23. RUTACEÆ.

79. ZANTHOXYLUM, Colden.

165. *Americanum*, Mill. East Haven, Farmington, etc.

80. PTELEA, L.

166. *trifoliata*, L. Wading River, L. I.

ORDER 24. SIMARUBACEÆ.

81. AILANTHUS, Desf.

167. *GLANDULOSUS*, Desf.

ORDER 25. ANACARDIACEÆ.

82. RHUS, L.

168. *typhina*, L.
169. *glabra*, L.
170. *copallina*, L.
171. *venenata*, DC.
172. *Toxicodendron*, L.
var. *radicans*, Torr. Wading River, L. I., etc.

ORDER 26. VITACEÆ.

83. VITIS, Tourn.

173. *Labrusca*, L.
174. *æstivalis*, Michx.
175. *cordifolia*, Michx.

84. **AMPELOPSIS**, Michx.

176. *quinquefolia*, Michx.

ORDER 27. **RHAMNACEÆ.**

85. **CEANOTHUS**, L.

177. *Americanus*, L.

ORDER 28. **CELASTRACEÆ.**

86. **CELASTRUS**, L.

178. *scandens*, L.

ORDER 29. **SAPINDACEÆ.**

87. **STAPHYLEA**, L.

179. *trifolia*, L. East Rock, Milford, etc.

88. **ACER**, Tourn.

180. *Pennsylvanicum*, L. Meriden, Farmington; Thomaston, one mile west of Reynolds' Bridge, *H. J. Bassett*, etc.

181. *spicatum*, Lam. North Branford, Berlin, Mt. Totoket; Thomaston, with the preceding species, etc.

182. *saccharinum*, Wang.

183. *rubrum*, L.

ORDER 30. **POLYGALACEÆ.**

89. **POLYGALA**, Tourn.

184. *sanguinea*, L.

185. *Nuttallii*, Torr. and Gray. Common on Long Island.

186. *cruciata*, L.

187. *verticillata*, L.

188. *polygama*, Walt.

189. *paucifolia*, Willd.

ORDER 31. **LEGUMINOSÆ.**

90. **LUPINUS**, Tourn.

190. *perennis*, L.

91. **CROTALARIA**, L.

191. *sagittalis*, L.

92. **TRIFOLIUM**, L.

192. *arvense*, L.

193. *pratense*, L.

194. *repens*, L.

195. *agrarium*, L.

196. *procumbens*, L.

93. MELILOTUS, Tourn.

197. OFFICINALIS, Willd.
198. ALBA, Lam. Oyster Point, etc.

94. MEDICAGO, L.

199. SATIVA, L. Escaped.
200. LUPULINA, L.

95. AMORPHA, L.

201. fruticosa, L. Escaped. *Eaton*; also one plant from Mt. Sinai, Long Island, but the station is now lost.

96. ROBINIA, L.

202. Pseudacacia, L.
203. viscosa, Vent.
204. hispida, L.

97. TEPHROSIA, Pers.

205. Virginiana, Pers. Waterbury, *Patton*; Farmington, *Sedgwick*; but not common except on Long Island.

98. DESMODIUM, DC.

206. nudiflorum, DC.
207. acuminatum, DC.
208. rotundifolium, DC.
209. canescens, DC. Rare, *Gen. Eaton*.
210. cuspidatum, Torr. and Gray. Rare, *Gen. Eaton*.
211. lævigatum, DC. Manorville, Long Island.
212. Dillenii, Darlengt.
213. paniculatum, DC.
214. Canadense, DC.
215. rigidum, DC.
216. ciliare, DC. Manorville, Long Island; New Haven, *Kleeberger*.
217. Marilandicum, Boott.

99. LESPEDEZA, Michx.

218. procumbens, Michx.
219. repens, Torr. and Gray. On Long Island.
220. violacea, Pers.

vars. { DIVERGENS, Gray.
 { SESSILIFLORA, Gray.
 { ANGUSTIFOLIA, Gray.

221. Stuvei, Nutt. *H. J. Bassett*.
222. hirta, Ell.
223. capitata, Michx.

100. STYLOSANTHES, Swartz.

224. elatior, Swartz. Wading River and Middle Island, L. I.

101. VICIA, Tourn.

225. SATIVA, L.
226. TETRASPERMA, L.
227. HIRSUTA, Koch. Waterbury, *Patton*.

102. LATHYRUS, L.

228. maritimus, Bigelow. Along the shore.
229. palustris, L. Long Island, etc.
var. myrtifolius, Gray. Wading River, L. I.

103. APIOS, Boerhaave.

230. tuberosa, Moench.

104. PHASEOLUS, L.

231. perennis, Walt.
232. diversifolius, Pers.
233. helvolus, L. Long Island.

105. AMPHICARPÆA, Ell.

234. monoica, Nutt.

106. GALACTIA, P. Browne.

235. mollis, Michx. Long Pond in Wading River.

107. BAPTISIA, Vent.

236. tinctoria, R. Br.

108. CASSIA, L.

237. Marilandica, L.
238. Chamæcrista, L.
239. nictitans, L.

109. GLEDITSCHIA, L.

240. triacanthos, L. Escaped.

ORDER 32. ROSACEÆ.

110. PRUNUS, Tourn.

241. Americana, Marshall. Berlin, *Brandegee*.
242. maritima, Wang. Savin Rock, etc.
243. SPINOSA, L. Occasionally seen.
244. pumila, L. Mt. Carmel, *Hall*; Farmington, *Miss Willard*; Wading River
etc.
245. Pennsylvanica, L.
246. Virginiana, L.
247. serotina, Ehrhart.

111. SPIRÆA, L.

248. salicifolia, L.
249. tomentosa, L.

112. POTERIUM, L.

250. **Canadense**, Gray. Fair Haven, *Allen*; rare, except on Long Island.

113. AGRIMONIA, Tourn.

251. **Eupatoria**, L.

114. GEUM, L.

252. **album**, Gmelin.

253. **Virginianum**, L.

254. **strictum**, Ait. Berlin, *Brandegee*.

255. **rivale**, L. Abundant in Edgewood Swamp, near New Haven; Farmington, etc.

115. POTENTILLA, L.

256. **Norvegica**, L.

257. **Canadensis**, L.

var. **simplex**, Torr. and Gray.

258. **argentea**, L.

259. **recta**, Willd. Middle Island, Long Island, *E. S. Miller*.

260. **arguta**, Pursh. West Rock, etc.

261. **Anserina**, L.

262. **fruticosa**, L. In Litchfield County this plant is becoming a troublesome weed, and is called "hardhack."

263. **tridentata**, Ait. Litchfield County, *E. E. Brewster*.

264. **palustris**, Scop. Beaver Meadows, etc.

116. FRAGARIA, Tourn.

265. **Virginiana**, Ehrhart.

var. **Illinoensis**, Gray.

266. **vesca**, L.

117. DALIBARDA, L.

267. **repens**, L. Farmington, *Miss Tyler*.

118. RUBUS, Tourn.

268. **odoratus**, L. Common in rocky places.

269. **triflorus**, Richardson. Woodbridge, etc.

270. **strigosus**, Michx.

271. **occidentalis**, L.

272. **villosus**, Ait.

273. **Canadensis**, L.

274. **hispidus**, L.

275. **cuneifolius**, Pursh. Madison, *Pease*; East Killingworth, *Hall*; "Connecticut, within limits," *H. J. Bassett*.

119. ROSA, Tourn.

276. **Carolina**, L.

277. **lucida**, Ehrhart.

278. **RUBIGINOSA**, L.

279. *MICRANTHA*, Smith. Port Jefferson, Long Island.
280. *CANINA*, L. On Long Island; also in Connecticut, within limits, *Bassett*.

120. *CRATÆGUS*, L.

281. *coccinea*, L.
282. *tomentosa*, L. East Rock (on Indian Neck); Northville, L. I., *H. W. Young*.
283. *Crus-galli*, L. South End, etc.; common on Long Island.
284. *parvifolia*, Ait. Long Island, *Miller*.

121. *PYRUS*, L.

285. *arbutifolia*, L.
286. *Americana*, DC. Meriden, *Eaton*, etc.

122. *AMELANCHIER*, Medic.

287. *Canadensis*, Torr. and Gray.
Several varieties also occur.

ORDER 33. *SAXIFRAGACEÆ*.

123. *RIBES*, L.

288. *hirtellum*, Michx.
289. *floridum*, L.
290. *rubrum*, L.

124. *PARNASSIA*, Tourn.

291. *Caroliniana*, Michx. East Haven, north of Fair Haven, *Mrs. Barnes, etc.*; Abundant in Oxford, *Harger*; and in Farmington, *Sedgwick*; but scarce near New Haven, and does not occur in our Long Island limits.

125. *SAXIFRAGA*, L.

292. *Virginiensis*, Michx.
293. *Pennsylvanica*, L.

126. *HEUCHERA*, L.

294. *Americana*, L.

127. *MITELLA*, Tourn.

295. *diphylla*, L. Mt. Carmel and northward.

128. *TIARELLA*, L.

296. *cordifolia*, L. Formerly near New Haven, *Eaton*; Northford, *Hall*; Waterbury, *Bassett*, etc.

129. *CHRYSOSPLENIUM*, Tourn.

297. *Americanum*, Schwein. Pine Rock, etc., in mossy rills.

ORDER 34. CRASSULACEÆ.

130. PENTHORUM, Gronov.

298. *sedoides*, L.

131. TILLÆA, L.

299. *simplex*, Nutt. Muddy banks of the Housatonic and Mill rivers, *Dr. Eli Ives*, etc.

132. SEDUM, Tourn.

300. *ACRE*, L. Fair Haven, *J. A. Allen*; common on Long Island.

301. TELEPHIUM, L.

ORDER 35. HAMAMELACEÆ.

133. HAMAMELIS, L.

302. *Virginica*, L.

134. LIQUIDAMBAR, L.

303. *Styraciflua*, L. Greenwich. This locality is worthy of note, as it is probably the north-eastern limit of its natural growth.

ORDER 36. HALORAGEÆ.

135. MYRIOPHYLLUM, Vaill.

304. *spicatum*, L. Litchfield, *Dr. Allen*.

305. *scabratum*, Michx. Lake Saltonstall, Litchfield, Saybrook, etc.

306. *ambiguum*, Nutt. Wading River, L. I.

vars. } *natans*, Gray.

{ *capillaceum*, Gray. River Head, L. I., *E. S. Miller*.

307. *tenellum*, Bigelow. Litchfield, *Dr. Allen*; Wading River, *Miller*.

136. PROSERPINACA, L.

308. *palustris*, L.

137. HIPPURIS, L.

309. *vulgaris*, L. Connecticut, within our limits, *H. J. Bassett*.

ORDER 37. ONAGRACEÆ.

138. CIRCÆA, Tourn.

310. *Lutetiana*, L.

311. *alpina*, L. Mt. Totoket, *Harger*.

139. GAURA, L.

312. *biennis*, L. Rare.

140. EPILOBIUM, L.

313. *angustifolium*, L.

314. *palustre*, L., var. *lineare*, Gray.

315. *molle*, Torr. New Canaan, *Denslow*.

316. *coloratum*, Muhl.

141. **CENOTHERA**, L.

317. *biennis*, L.

318. *fruticosa*, L.

319. *chrysantha*, Michx. Wading River, Long Island, *E. S. Miller*.

320. *pumila*, L.

142. **LUDWIGIA**, L.

321. *alternifolia*, L.

322. *sphærocarpa*, Ell. Manorville, L. I.

323. *palustris*, Ell.

ORDER 38. **MELASTOMACEÆ.**

143. **RHEXIA**, L.

324. *Virginica*, L.

ORDER 39. **LYTHRACEÆ.**

144. **AMMANNIA**, Houston.

325. *humilis*, Michx. Mill River, *Eaton*.

145. **LYTHRUM**, L.

326. *Salicaria*, L. Along the Canal Railroad near New Haven, *Kleeberger*.

146. **NESÆA**, Commerson, Juss.

327. *verticillata*, H. B. K.

147. **CUPHEA**, Jacq.

328. *viscosissima*, Jacq. North Madison and Orange, *Hall*, etc. Not rare.

ORDER 40. **CACTACEÆ.**

148. **OPUNTIA**, Tourn.

329. *Rafinesquii*, Engelm. Rocks, etc., near the coast; also on Thimble Islands and Long Island. This has not been submitted to Dr. Engelmann for examination, but is probably *O. Rafinesquii*, Eng.

ORDER 41. **CUCURBITACEÆ.**

149. **SICYOS**, L.

330. *angulatus*, L.

ORDER 42. **UMBELLIFERÆ.**

150. **HYDROCOTYLE**, Tourn.

331. *Americana*, L.

332. *umbellata*, L. Pine Swamp in Hamden, and shore of Litchfield Pond, *Eaton*.

333. **Canadensis**, L.
334. **Marilandica**, L.
151. **SANICULA**, Tourn.
335. **CAROTA**, L.
152. **DAUCUS**, Tourn.
336. **lanatum**, Michx.
153. **HERACLEUM**, L.
337. **SATIVA**, L.
154. **PASTINACA**, Tourn.
338. **rigida**, DC. Common on Long Island, but not reported elsewhere.
155. **ARCHEMORA**, DC.
156. **ARCHANGELICA**, Hoffm.
339. **hirsuta**, Torr. and Gray.
340. **atropurpurea**, Hoffm. Derby, Farmington Valley, Long Island, etc.
157. **ÆTHUSA**, L.
341. **CYNAPIUM**, L. *H. J. Bassett.*
158. **THASPIUM**, Nutt.
342. **aureum**, Nutt.
343. **trifoliatum**, Gray. Farmington, *Miss Willard*; New Haven, *Dr. Prudden.*
159. **ZIZIA**, DC. partly.
344. **integerrima**, DC. East Rock, Orange, etc. Not common.
160. **BUPLEURUM**, Tourn.
345. **ROTUNDIFOLIUM**, L. Waterbury, *Patton.*
161. **DISCOPLEURA**, DC.
346. **capillacea**, DC. Brackish swamps.
162. **CICUTA**, L.
347. **maculata**, L.
348. **bulbifera**, L.
163. **SIUM**, L.
349. **lineare**, Michx.
350. **Carsonii**, Durand, ined. Cheshire, *Eaton.*
164. **CRYPTOTÆNIA**, DC.
351. **Canadensis**, DC.
165. **OSMORRHIZA**, Raf.
352. **longistylis**, DC.
353. **brevistylis**, DC.

166. CONIUM, L.

354. *MACULATUM*, L. Oxford, *Harger*.

ORDER 43. ARALIACEÆ.

167. ARALIA, Tourn.

355. *racemosa*, L. East Rock, etc.
356. *hispida*, Michx. Derby. New Haven, western border of Quinnipiac Marsh, near Air Line Rail-Road, *Allen*.
357. *nudicaulis*, L. The only Long Island species; common elsewhere.
358. *quinquefolia*, Gray. Mt. Totoket, *W. W. Denslow*.
359. *trifolia*, Gray.

ORDER 44. CORNACEÆ.

168. CORNUS, Tourn.

360. *Canadensis*, L. Near the base of Pine Rock; Wolcott, etc.: rare.
361. *florida*, L.
362. *circinata*, L'Her. Maltby Park, etc.
363. *sericea*, L.
364. *stolonifera*, Michx.
365. *paniculata*, L'Her.
366. *alternifolia*, L.

169. NYSSA, L.

367. *multiflora*, Wang. Not rare.

DIVISION II.—MONOPETALOUS EXOGENOUS PLANTS

ORDER 45. CAPRIFOLIACEÆ.

170. LINNÆA, Gronov.

368. *borealis*, Gronov. Milford, *G. B. Grinnell*; Saltonstall Ridge, etc.: rare.

171. LONICERA, L.

369. *sempervirens*, Ait. New Haven, near the reservoir, *Allen*.
370. *parviflora*, Lam.

172. DIERVILLA, Tourn.

371. *trifida*, Moench. West Rock, etc.

173. TRIOSTEUM, L.

372. *perfoliatum*, L.

174. SAMBUCUS, Tourn.

373. *Canadensis*, L.
374. *pubens*, Michx. East Rock, West Rock, Mt. Carmel, Farmington, etc.

175. VIBURNUM, L.

375. *Lentago*, L.
376. *prunifolium*, L. Probably in Fairfield County; "Connecticut," in Gray's Manual.
377. *nudum*, L. Litchfield, *Eaton*; Farmington, *Miss Willard*.
378. *dentatum*, L.
379. *acerifolium*, L.
380. *Opulus*, L. Litchfield, *Eaton*; Waterbury, *Bassett*; Farmington, *Miss Willard*.
381. *lantanoïdes*, Michx. Mt. Carmel, *Eaton*; Thomaston, one mile west of Reynolds' Bridge, *Bassett*.

ORDER 46. RUBIACEÆ.

176. GALIUM, L.

382. *Aparine*, L.
383. *asprellum*, Michx.
384. *trifidum*, L.
385. *triflorum*, Michx.
386. *pilosum*, Ait.
387. *circæzans*, Michx.
388. *lanceolatum*, Torr.
389. *boreale*, L. Farmington, *Miss Willard*.

177. CEPHALANTHUS, L.

390. *occidentalis*, L.

178. MITCHELLA, L.

391. *repens*, L.

179. OLDENLANDIA, Plumier, L.

392. *glomerata*, Michx. Wading River, L. I.

180. HOUSTONIA, L.

393. *purpurea*, L., var. *longifolia*, Gray. Middle Island, L. I. The only species within our Long Island limits.

394. *cærulea*, L. Common except on Long Island.

ORDER 47. DIPSACEÆ.

181. DIPSACUS, Tourn.

395. *SYLVESTRIS*, Mill. Not rare.

ORDER 48. COMPOSITÆ.

182. VERNONIA, Schreb.

396. *Noveboracensis*, Willd.

183. LIATRIS, Schreb.

397. *scariosa*, Willd.

184. EUPATORIUM, Tourn.

398. *purpureum*, L.

399. *hyssopifolium*, L. East Haven and Madison, *Hall*; etc.: rare.

400. *album*, L. Common on Long Island.

401. *teucrifolium*, Willd.

402. *rotundifolium*, L. On Long Island.

403. *sessilifolium*, L. East Rock, Fair Haven, etc.

404. *perfoliatum*, L.

405. *ageratoides*, L.

406. *aromaticum*, L.

185. MIKANIA, Willd.

407. *scandens*, L.

186. TUSSILAGO, Tourn.

408. *FARFARA*, L. Meriden, Mt. Carmel; River Head, L. I., *J. H. Hall*. The old station at Whitneyville is now under the lake.

187. SERICOCARPUS, Nees.

409. *solidagineus*, Nees. Hamden, *Harger*; Farmington, *Sedgwick*; common on Long Island.

410. *conyzoides*, Nees

188. ASTER, L.

- 411. *corymbosus*, Ait.
- 412. *macrophyllus*, L. Meriden, etc.
- 413. *spectabilis*, Ait. Calverton, Manorville and Middle Island, L. I.
- 414. *concolor*, L. Common on Long Island.
- 415. *patens*, Ait.
- 416. *lævis*, L. Occurs in several forms.
- 417. *undulatus*, L.
- 418. *cordifolius*, L.
- 419. *ericoides*, L.
- 420. *multiflorus*, Ait.
- 421. *dumosus*, L. Wading River, L. I., etc.
- 422. *Tradescanti*, L.
- 423. *miser*, L., Ait.
- 424. *simplex*, Willd.
- 425. *Novi-Belgii*, L. Occasionally seen.
- 426. *longifolius*, Lam.
- 427. *puniceus*, L.
- 428. *Novæ-Angliæ*, L.
- 429. *acuminatus*, Michx. Base of East Rock, Meriden, East Haven, etc.
- 430. *flexuosus*, Nutt.
- 431. *linifolius*, L.

189. ERIGERON, L.

- 432. *Canadense*, L.
- 433. *bellidifolium*, Muhl.
- 434. *Philadelphicum*, L. Farmington, New Canaan, Wading River, L. I.
Abundant near Hartford, but never seen near New Haven.
- 435. *annuum*, Pers.
- 436. *strigosum*, Muhl. New Haven, etc.
var. *DISCOIDEUM*, Robbins. At Southbury, *Dr. Prudden*.

190. DIPLOPAPPUS, Cass.

- 437. *linariifolius*, Hook.
- 438. *umbellatus*, Torr. and Gray.
- 439. *cornifolius*, Darl. Oxford, *J. Harger*.

191. SOLIDAGO, L.

- 440. *squarrosa*, Muhl. Meriden Hills, *Eaton*; etc.
- 441. *bicolor*, L.
- 442. *latifolia*, L.
- 443. *cæsia*, L.
- 444. *puberula*, Nutt.
- 445. *speciosa*, Nutt. Waterbury, *Patton*.
- 446. *rigida*, L. Madison and Orange, *Hall*.
- 447. *sempervirens*, L.
- 448. *elliptica*, Ait. River Head, L. I.
- 449. *neglecta*, Torr. and Gray.

450. *patula*, Muhl.
451. *arguta*, Ait.
452. *Muhlenbergii*, Torr. and Gray.
453. *altissima*, L.
454. *ulmifolia*, Muhl.
455. *odora*, Ait. Common.
 var. *inodora*, Gray. Franklinville, L. I., *H. W. Young*.
456. *nemoralis*, Ait.
457. *Canadensis*, L.
458. *serotina*, Ait.
459. *gigantea*, Ait.
460. *lanceolata*, L.
461. *tenuifolia*, Pursh.

192. **CHRYSOPSIS**, Nutt. Vide sp. 463.

462. *falcata*, Ell. Common on Long Island.
463. *Mariana*, Nutt. Common on Long Island. The genus is not reported elsewhere.

193. **INULA**, L.

464. *HELENIUM*, L.

194. **PLUCHEA**, Cass.

465. *camphorata*, DC. Salt marshes, etc.

195. **BACCHARIS**, L.

466. *halimifolia*, L. Salt marshes near South End.

196. **IVA**, L.

467. *frutescens*, L. Abundant in the salt marshes.

197. **AMBROSIA**, Tourn.

468. *trifida*, L. Not rare.
469. *artemisiæfolia*, L.

198. **XANTHIUM**, Tourn.

470. *strumarium*, L. Common.
 var. *echinatum*, Gray. New Haven, *Patton*.

199. **RUDBECKIA**, L.

471. *laciniata*, L.
472. *hirta*, L.

200. **HELIANTHUS**, L.

473. *ANNUUS*, L. Escaped.
474. *angustifolius*, L. River Head, L. I.
475. *giganteus*, L.
476. *strumosus*, L.
477. *divaricatus*, L.
478. *decapetalus*, L.
479. *TUBEROSUS*, L.

201. COREOPSIS, L.

480. *rosea*, Nutt. Common on Long Island.
481. *discoidea*, Torr. and Gray. "Apparently well at home in Wethersfield,"
Chas. Wright; but hitherto unknown in New England.

202. BIDENS, L.

482. *frondosa*, L.
483. *connata*, Muhl.
484. *cernua*, L.
485. *chrysanthemoides*, Michx.
486. *bipinnata*, L.

203. HELENIUM, L.

487. *autumnale*, L.

204. MARUTA, Cass.

488. *COTULA*, DC.

205. ACHILLEA, L.

489. *Millefolium*, L.

206. LEUCANTHEMUM, Tourn.

490. *VULGARE*, Lam.
491. *PARTHENIUM*, Godron. Escaped, *Hall*; Mt. Sinai, L. I., etc.

207. MATRICARIA, Tourn.

492. *INODORA*, L. Wading River, *Miller*.

208. TANACETUM, L.

493. *VULGARE*, L.

209. ARTEMISIA, L.

494. *caudata*, Michx.
495. *VULGARIS*, L. Southbury, *Prudden*; near Dixwell Avenue, New Haven,
Dr. A. P. Monson.

210. GNAPHALIUM, L.

496. *decurrens*, Ives. Rare near New Haven, but common in Litchfield County
and at Oxford.
497. *polycephalum*, Michx.
498. *uliginosum*, L.
499. *purpureum*, L. Common on Long Island.

211. ANTENNARIA, Gærtn.

500. *margaritacea*, R. Brown.
501. *plantaginifolia*, Hook.

212. ERECHTHITES, Raf.

502. *hieracifolia*, Raf.

213. CACALIA, L.

503. *suaveolens*, L. Rare, *Eaton*.

214. SENECCIO, L.

504. *vulgaris*, L. A rare weed.
505. *aureus*, L.

215. CENTAUREA, L.

506. *cyanus*, L. Not common.

216. CIRSIUM, Tourn.

507. *lanceolatum*, Scop.
508. *discolor*, Spreng. In brackish marshes, East Haven, etc.
509. *muticum*, Michx.
510. *pumilum*, Spreng.
511. *horridulum*, Michx. East Haven Swamp.
512. *arvense*, Scop.

217. ONOPORDON, Vaill.

513. *acanthium*, L. East Haven; Northville, L. I. Formerly at River Head.

218. LAPPAL, Tourn.

514. *officinalis*, Allioni.

219. CICHORIUM, Tourn.

515. *intybus*, L.

220. KRIGIA, Schreber.

516. *virginica*, Willd. Mill Rock, Stony Creek, etc.

221. LEONTODON, L., Juss.

517. *autumnale*, L. Berlin, *Brandegee*.

222. HIERACIUM, Tourn.

518. *canadense*, Michx.
519. *scabrum*, Michx.
520. *gronovii*, L.
521. *venosum*, L.
522. *paniculatum*, L.

223. NABALUS, Cass.

523. *albus*, Hook.
var. *serpentaria*, Gray.
524. *altissimus*, Hook.
525. *fraseri*, DC.

224. TARAXACUM, Haller.

526. *dens-leonis*, Desf.

225. LACTUCA, Tourn.

527. *Canadensis*, L. Common.
var. *integrifolia*, Torr. and Gray. New Haven, *Hall*; common on Long Island.

226. MULGEDIUM, Cass.

528. *leucophæum*, DC.

227. SONCHUS, L.

529. OLERACEUS, L.
530. ASPER, Vill.

ORDER 49. LOBELIACEÆ.

228. LOBELIA, L.

531. *cardinalis*, L.
532. *syphilitica*, L. Redding, *Miss L. Sanford*; Southbury, *Prudden*; but not found near New Haven.
533. *inflata*, L.
534. *spicata*, Lam.
535. *Nuttallii*, Rœm. and Sch. Common on Long Island.
536. *Dortmanna*, L. Killingworth, *Hall*; River Head, L. I., *H. W. Young*.

ORDER 50. CAMPANULACEÆ.

229. CAMPANULA, Tourn.

537. *rotundifolia*, L.
538. *aparinoides*, Pursh.
539. *RAPUNCULOIDES*, L. A weed in New Haven gardens.

230. SPECULARIA, Heister.

540. *perfoliata*, A. DC.

ORDER 51. ERICACEÆ.

231. GAYLUSSACIA, H. B. K.

541. *dumosa*, Torr. and Gray. River Head, L. I.
542. *frondosa*, Torr. and Gray. East Haven, etc.
543. *resinosa*, Torr. and Gray.

232. VACCINIUM, L.

544. *macrocarpon*, Ait.
545. *stamineum*, L. Formerly on Mill Rock, *Harger*; abundant, with many other ericaceous plants, in North Granby; *Dr. G. Pierrepoint Davis*.
546. *Pennsylvanicum*, Lam.
547. *vacillans*, Solander.
548. *corymbosum*, L.

233. **CHIOGENES**, Salisb.

549. *hispidula*, Torr. and Gray. This plant was formerly found in "Cedar Swamp," in the northern part of Wolcott. The swamp, which took its name from a fine growth of white cedars, has since been converted into a reservoir, and the snowberry, with many other rare plants, has become extinct; *H. J. Bassett*. It is now growing somewhat abundantly in Naugatuck, *Miss Barbour*; and is to be sought throughout our north-western limits.

234. **ARCTOSTAPHYLOS**, Adans.

550. *Uva-ursi*, Spreng. Hanging Hills, Meriden, *Dr. Eli Ives, etc.*; common on Long Island.

235. **EPIGÆA**, L.

551. *repens*, L. It is worthy of note that this formerly grew on Oyster Point, at the top of the bluff overlooking the harbor; *Eaton*. It is now more or less abundant in very many localities. *e. g.*: sparingly at Wintergreen Falls and at the lake; more plentifully at Woodbridge Glen, Turkey Hill in Orange, and at the gorge of the North Branford road in Fair Haven; while in Killingworth, Farmington, Spruce Glen in Meriden, Bethany and northward generally, it occurs in considerable profusion; it is also common on Long Island.

236. **GAULTHERIA**, Kalm.

552. *procumbens*, L.

237. **LEUCOTHOË**, Don.

553. *racemosa*, Gray. Reported only from Long Island, where it is common.

238. **CASSANDRA**, Don.

554. *calyculata*, Don. Beaver Meadows, Wolcott, Farmington, River Head, etc. Not rare in peat swamps.

239. **ANDROMEDA**. L. (*pars.*)

555. *polifolia*, L. Formerly in Cedar Swamp, Wolcott; *H. J. Bassett*. *Vide* sp. 549.

556. *Mariana*, L. Common on Long Island.

557. *ligustrina*, Muhl.

240. **CLETHRA**, L.

558. *alnifolia*, L.

241. **KALMIA**, L.

559. *latifolia*, L.

560. *angustifolia*, L. Rare, except on Long Island.

242. **AZALEA**, L.

561. *viscosa*, L.

562. *nudiflora*, L.

243. RHODODENDRON, L.

563. *maximum*, L. Ledyard, *E. E. Gaylord*, etc.

244. LEDUM, L.

564. *latifolium*, Ait. Litchfield.

245. PYROLA, Tourn.

565. *rotundifolia*, L.
566. *elliptica*, Nutt.
567. *chlorantha*, Swartz. Farmington, *Miss Willard*; common on Long Island.
568. *secunda*, L.

246. CHIMAPHILA, Pursh.

569. *umbellata*, Nutt.
570. *maculata*, Pursh.

247. MONOTROPA, L.

571. *uniflora*, L.
572. *Hypopitys*, L.

ORDER 52. AQUIFOLIACEÆ.

248. ILEX, L.

573. *opaca*, Ait. Milford, *Prof. Dana*; Wolcott, *H. J. Bassett*; Wading River and Port Jefferson, L. I.
574. *verticillata*, Gray.
575. *lævigata*, Gray. Rare, *Eaton*.
576. *glabra*, Gray. Common on Long Island.

249. NEMOPANTHES, Raf.

577. *Canadensis*, DC. Pine Swamp, Hamden; *Eaton*.

ORDER 53. EBENACEÆ.

250. DIOSPYROS, L.

578. *Virginiana*, L. Light-house Point; *Eaton*.

ORDER 54. PLANTAGINACEÆ.

251. PLANTAGO, L.

579. *MAJOR*, L.
580. *maritima*, L., var. *juncoides*, Gray. Salt marshes.
581. *LANCEOLATA*, L.
582. *Virginica*, L. Pine Rock, *Hawes*.
583. *pusilla*, Nutt. On Long Island.

ORDER 55. PLUMBAGINACEÆ.

252. STATICE, Tourn.

584. *Limonium*, L., var. *Caroliniana*, Gray. Salt marshes.

ORDER 56. PRIMULACEÆ.

253. TRIENTALIS, L.

585. *Americana*, Pursh. Not rare.

254. LYSIMACHIA, Tourn.

586. *thyrsoflora*, L. Beaver Meadows, Pine Swamp in Hamden, etc.

587. *stricta*, Ait.

588. *quadrifolia*, L.

589. *ciliata*, L.

590. *lanceolata*, Walt. Northville, L. I.

591. NUMMULARIA, L. Escaped.

255. ANAGALLIS, Tourn.

592. *ARVENSIS*, L. East Haven, etc.

256. SAMOLUS, L.

593. *Valerandi*, L., var. *Americanus*, Gray. Swamps.

257. HOTTONIA, L.

594. *inflata*, Ell. Stony Creek, *Eaton*; Northville, L. I., *Miller*.

ORDER 57. LENTIBULACEÆ.

258. UTRICULARIA, L.

595. *inflata*, Walt. Wading River, L. I.

596. *vulgaris*, L., var. *Americana*, Gray. Beaver Meadows, etc.

597. *minor*, L. Beaver Meadows, Wading River, etc.

598. *clandestina*, Nutt. Manorville, L. I.

599. *intermedia*, Hayne. Wading River.

600. *striata*, LeConte. Common on Long Island.

601. *gibba*, L. Common on Long Island.

602. *purpurea*, Walt. ? Wading River.

603. *resupinata*, Greene. Wading River.

604. *cornuta*, Michx. Common.

605. *subulata*, L. Deep Pond in Wading River.

ORDER 58. BIGNONIACEÆ.

259. MARTYNIA, L.

606. *proboscidea*, Glox. Occasionally escaped.

ORDER 59. OROBANCHACEÆ.

260. EPIPHEGUS, Nutt.

607. *Virginiana*, Bart.

261. **CONOPHOLIS**, Wallroth.

608. **Americana**, Wallroth. Mill Rock, etc.

262. **APHYLLON**, Mitchell.

609. **uniflorum**, Torr. and Gray.

ORDER 60. **SCROPHULARIACEÆ.**

263. **VERBASCUM**, L.

610. **THAPSUS**, L.

611. **BLATTARIA**, L.

264. **LINARIA**, Tourn.

612. **Canadensis**, Spreng.

613. **VULGARIS**, Mill.

265. **ANTIRRHINUM**, L.

614. **MAJUS**, L. New Haven, etc.

266. **SCROPHULARIA**, Tourn.

615. **nodosa**, L.

267. **CHELONE**, Tourn.

616. **glabra**, L.

268. **PENTSTEMON**, Mitchell.

617. **pubescens**, Solander. Farmington, *Miss Willard*; Milford, *Allen*.

269. **MIMULUS**, L.

618. **ringens**, L.

270. **GRATIOLA**, L.

619. **Virginiana**, L.

620. **aurea**, Muhl. New Haven, Madison and eastward near the coast; also on Long Island.

271. **ILYSANTHES**, Raf.

621. **gratioloides**, Benth. Beaver Meadows, Farmington, Long Island, etc.

272. **LIMOSELLA**, L.

622. **aquatica**, L., var. **tenuifolia**, Hoffm. Muddy banks of the Housatonic and Mill rivers, *Dr. Eli Ives, etc.*

273. **VERONICA**, L.

623. **Virginica**, L.

624. **Americana**, Schwein.

625. **scutellata**, L.

626. **officinalis**, L.

627. **serpyllifolia**, L.

628. **peregrina**, L.

629. **ARVENSIS**, L.

274. GERARDIA, L.

630. *purpurea*, L. Brackish marshes.
631. *maritima*, Raf.
632. *tenuifolia*, Vahl.
633. *flava*, L. (pars.)
634. *quercifolia*, Pursh. North Haven, *Eaton*.
635. *pedicularia*, L. New Haven, Oxford, Meriden, Long Island, etc.

275. CASTILLEIA, Mutis.

636. *coccinea*, Spreng. New Haven, Farmington, etc.

276. RHINANTHUS, L.

637. *Crista-galli*, L. Abundant at Waterbury in meadows along the Naugatuck,
H. J. Bassett, Patton; Fair Haven, *Allen* and *Denslow*.

277. PEDICULARIS, Tourn.

638. *Canadensis*, L.
639. *lanceolata*, Michx. Whitneyville, below the armory, etc.

278. MELAMPYRUM, Tourn.

640. *Americanum*, Michx.

ORDER 61. VERBENACEÆ.

279. VERBENA, L.

641. *angustifolia*, Michx.
642. *hastata*, L.
643. *urticifolia*, L.
644. *OFFICINALIS*, L. East Haven, etc.

280. PHRYMA, L.

645. *Leptostachya*, L.

ORDER 62. LABIATÆ.

281. AJUGA, L.

646. *REPTANS*, L. Orange, *Hall*.

282. TEUCRIUM, L.

647. *Canadense*, L.

283. TRICHOSTEMA, L.

648. *dichotomum*, L. The pink, or rose-colored, variety is occasionally seen.

284. MENTHA, L.

649. *ROTUNDIFOLIA*, L. Southbury, *Prudden*.
650. *VIRIDIS*, L.
651. *PIPERITA*, L.

652. *AQUATICA*, L., var. *GLABRATA*, Benth. Litchfield, *Dr. Allen*; Southbury, *Prudden*.

653. *Canadensis*, L.
var. *GLABRATA*, Benth. Southbury, *Prudden*.

285. *LYCOPUS*, L.

654. *Virginicus*, L.

655. *Europæus*, L.
var. *sinuatus*, Gray. New Haven, etc.

656. *rubellus*, Moench. Common on Long Island.

286. *CUNILA*, L.

657. *Mariana*, L. Port Jefferson, L. I.

287. *PYCNANTHEMUM*, Michx.

658. *incanum*, Michx. Pine Rock, etc.

659. *muticum*, Pers.

660. *lanceolatum*, Pursh.

661. *linifolium*, Pursh.

288. *ORIGANUM*, L.

662. *VULGARE*, L.

289. *SATUREIA*, L.

663. *HORTENSIS*, L. South Britain, *Miss Mitchell*.

290. *CALAMINTHA*, Moench.

664. *Clinopodium*, Benth. Maltby Park, etc.

291. *MELISSA*, L.

665. *OFFICINALIS*, L. Southbury; Aquebogue, L. I., etc.

292. *HEDEOMA*, Pers.

666. *pulegioides*, Pers.

293. *COLLINSONIA*, L.

667. *Canadensis*, L.

294. *MONARDA*, L.

668. *didyma*, L.

669. *fistulosa*, L. Southbury; Norwalk, *Denslow*.

295. *LOPHANTHUS*, Benth.

670. *nepetoides*, Benth. Meriden, *Eaton*.

671. *scrophulariæfolius*, Benth. Milford, Waterbury, Mt. Sinai, L. I., etc.

296. *NEPETA*, L.

672. *CATARIA*, L.

673. *GLECHOMA*, Benth.

297. **PHYSOSTEGIA**, Benth.

674. **Virginiana**, Benth.

298. **BRUNELLA**, Tourn.

675. **vulgaris**, L.

299. **SCUTELLARIA**, L.

676. **parvula**, Mich. Stony Creek, *Hawes*.

677. **galericulata**, L.

678. **lateriflora**, L.

300. **MARRUBIUM**, L.

679. **VULGARE**, L.

301. **GALEOPSIS**, L.

680. **TETRAHIT**, L. Waterbury, Farmington, etc.

302. **STACHYS**, L.

681. **palustris**, L., var. **aspera**, Gray. Wethersfield, *Chas. Wright*.

var. **cordata**, Gray. Westville, *Harger*; Farmington, *Sedgwick*.

303. **LEONURUS**, L.

682. **CARDIACA**, L.

304. **LAMIUM**, L.

683. **AMPLEXICAULE**, L.

684. **PURPUREUM**, L. This is becoming a troublesome weed in Litchfield County,
T. S. Gold; New Haven, *Veitch*.

685. **ALBUM**, L. Southbury, *Prudden*.

305. **BALLOTA**, L.

686. **NIGRA**, L. Streets of New Haven, etc.

ORDER 63. **BORRAGINACEÆ.**

306. **ECHIUM**, Tourn.

687. **VULGARE**, L. Woodbridge; formerly in Oxford, *Harger*; but happily now very rare.

307. **LYCOPSIS**, L.

688. **ARVENSIS**, L. Westville, *E. J. Lake*.

308. **SYMPHYTUM**, Tourn.

689. **OFFICINALE**, L.

309. **ONOSMODIUM**, Michx.

690. **Virginianum**, DC. Banks of West River, *Veitch*, etc.

310. **LITHOSPERMUM**, Tourn.

691. **ARVENSE**, L.

692. **OFFICINALE**, L.

311. MYOSOTIS, L.

693. *palustris*, Withering, var. *laxa*, Gray.
694. *verna*, Nutt. Stony Creek, Thimble Islands, Pine Rock, Stony Brook
on Long Island, etc.

312. CYNOGLOSSUM, Tourn.

695. OFFICINALE, L.
696. *Morisoni*, DC.

ORDER 64. HYDROPHYLLACEÆ.

313. HYDROPHYLLUM, L.

697. *Virginicum*, L. Farmington, *Miss Willard*; Waterbury, *Patton*.

ORDER 65. POLEMONIACEÆ.

314. PHLOX, L.

698. *paniculata*, L. Escaped.

ORDER 66. CONVULVULACEÆ.

315. IPOMŒA, L.

699. PURPUREA, Lam.

316. CONVULVULUS, L.

700. ARVENSIS, L.

317. CALYSTEGIA, R. Br.

701. *sepium*, R. Br.
702. *spithamæa*, Pursh. Westville, *Denslow*; Farmington, etc.

318. CUSCUTA, Tourn.

703. *Gronovii*, Willd.

ORDER 67. SOLANACEÆ.

319. SOLANUM, Tourn.

704. DULCAMARA, L.
705. NIGRUM, L.

320. PHYSALIS, L.

706. *pubescens*, L. Southbury, *Prudden*.
707. *viscosa*, L.
708. *Pennsylvanica*, L. New Canaan, *Denslow*.

321. NICANDRA, Adans.

709. PHYSALOIDES, Gærtn.

322. LYCIUM, L.

710. VULGARE, Dunal. East Haven, *Pease*.

323. HYOSCYAMUS, Tourn.

711. NIGER, L. Formerly in Oxford.

324. DATURA, L.

712. STRAMONIUM, L. Not common.
713. TATULA, L. Waste places.

325. NICOTIANA, L.

714. RUSTICA, L. *Prof. G. R. Kleeberger*.

ORDER 68. GENTIANACEÆ.

326. SABBATIA, Adans.

715. *stellaris*, Pursh. Lyme, *Eaton*; Madison, *Hall*. Common on Long Island.
716. *chloroides*, Pursh. Saybrook.

327. GENTIANA, L.

717. *quinqueflora*, Lam. One specimen found in Bristol by *H. J. Bassett*.
718. *crinita*, Frœl. Maltby Park, etc.
719. *Andrewsii*, Griseb.

328. BARTONIA, Muhl.

720. *tenella*, Muhl. Beaver Meadows, Orange, etc.

329. MENYANTHES, Tourn.

721. *trifoliata*, L. Beaver Meadows, *Stadtmüller*, etc.; common on Long Island.

330. LIMNANTHEMUM, Gmelin.

722. *lacunosum*, Griseb. (pars.) Litchfield Pond, *Eaton*. Near the New Haven reservoir, Prospect street, *Miss Barber*; also in a lake near Farmington, *Miss Willard*; Wading River, *Miller*.

ORDER 69. APOCYNACEÆ.

331. APOCYNUM, Tourn.

723. *androsæmifolium*, L.
724. *cannabinum*, L. Derby, etc.

332. VINCA, L.

725. MINOR, L. Escaped, *Hall*.

ORDER 70. ASCLEPIADACEÆ.

333. ASCLEPIAS, L.

726. **Cornuti**, Decaisne.
727. **phytolaccoides**, Pursh.
728. **purpurascens**, L. Hamden, Farmington, etc.
729. **variegata**, L. Wading River and Rocky Point, L. I., *Miller*.
730. **quadrifolia**, Jacq. Woods, etc.
731. **incarnata**, L., var. **PULCHRA**, Gray. Common; the type rare.
732. **obtusifolia**, Michx.
733. **tuberosa**, L.
734. **verticillata**, L.

334. ACERATES, Ell.

735. **viridiflora**, Ell. Railroad cut in Fair Haven, Cedar Hill, etc.

335. PERIPLOCA, L.

736. **GRÆCA**, L. Port Jefferson, L. I., *Miller*.

ORDER 71. OLEACEÆ.

336. LIGUSTRUM, Tourn.

737. **VULGARE**, L.

337. FRAXINUS, Tourn.

738. **Americana**, L.
739. **pubescens**, Lam. Westville, north of village, *Eaton*.
740. **viridis**, Michx. f.

DIVISION III.—APETALOUS EXOGENOUS PLANTS.

ORDER 72. ARISTOLOCHIACEÆ.

338. ASARUM, Tourn.

741. *Canadense*, L. West Rock, East Rock, etc.

339. ARISTOLOCHIA, Tourn.

742. *Serpentaria*, L. Formerly on East Rock, but now nearly, or quite extinct; New Canaan, *Denslow*; Oxford, *Harger*.

ORDER 73. PHYTOLACCACEÆ.

340. PHYTOLACCA, L.

743. *decandra*, L.

ORDER 74. CHENOPODIACEÆ.

341. CHENOPODIUM, L.

744. *album*, L.
745. *glaucum*, L. Wading River, L. I.
746. *urbicum*, L. Common on Long Island.
747. *murale*, L. New Haven, *Patton*.
748. *hybridum*, L. Near River Head, L. I., etc.
749. *botrys*, L. Streets.
750. *leptophyllum*, Nutt. Found native along the shore in 1873 by *Dr. F. W. Hall*. It was previously found in New Jersey by *Prof. Eaton*, and these are the only known stations east of the Rocky Mountains.
751. *ambrosioides*, L., var. *anthelminticum*, Gray. Rare on Long Island, *Miller*.

342. BLITUM, Tourn.

752. *maritimum*, Nutt. Salt marshes, *Pease*.

343. ATRIPLEX, Tourn.

753. *patula*, L. Salt marshes.
754. *arenaria*, Nutt. *Hall*.

344. SALICORNIA, Tourn.

755. *herbacea*, L. Salt marshes.
756. *virginica*, L. Savin Rock, *Allen*.
757. *fruticosa*, L., var. *ambigua*, Gray. Common on Long Island.

345. SUÆDA, Forskal.

758. *maritima*, Dumortier.

346. **SALSOLA**, L.

759. **Kali**, L. Along the shore.

ORDER 75. **AMARANTACEÆ.**

347. **AMARANTUS**, Tourn.

760. **PANICULATUS**, L. Escaped.
761. **RETROFLEXUS**, L.
762. **ALBUS**, L.

348. **ACNIDA**, L.

763. **cannabina**, L. Salt marshes.

ORDER 76. **POLYGONACEÆ.**

349. **POLYGONUM**, L.

764. **ORIENTALE**, L.
765. **Careyi**, Olney. Formerly at Wading River, L. I.
766. **Pennsylvanicum**, L.
767. **incarnatum**, Ell. Litchfield, *Eaton*; East Haven, *Hall*.
768. **PERSICARIA**, L.
769. **Hydropiper**, L.
770. **acre**, H. B. K.
771. **hydropiperoides**, Michx.
772. **amphibium**, L.
773. **Virginianum**, L.
774. **articulatum**, L.
775. **aviculare**, L.
 var. **erectum**, Roth.
776. **maritimum**, L.
777. **ramosissimum**, Michx. East Haven, south of Tomlinson's Bridge, *Denslow*;
 also at Wading River, L. I.
778. **tenue**, Michx.
779. **arifolium**, L. Beaver Meadows, etc.
780. **sagittatum**, L.
781. **CONVOLVULUS**, L.
782. **cilinode**, Michx.
783. **dumetorum**, L., var. **scandens**, Gray.

350. **FAGOPYRUM**, Tourn.

784. **ESCULENTUM**, Mœench.

351. **RUMEX**, L.

785. **orbiculatus**, Gray.
786. **verticillatus**, L. Banks of Connecticut River.
787. **CRISPUS**, L.
788. **OBTUSIFOLIUS**, L.
789. **Engelmanni**, Ledeb. River Head, L. I., *E. S. Miller*.
790. **ACETOSELLA**, L.

ORDER 77. LAURACEÆ.

352. SASSAFRAS, Nees.

791. *officinale*, Nees.

353. LINDERA, Thunberg.

792. *Benzoin*, Meisner.

ORDER 78. THYMELEACEÆ.

354. DIRCA, L.

793. *palustris*, L. Westville, Maltby Park, East Rock, Farmington, etc.

ORDER 79. SANTALACEÆ.

355. COMANDRA, Nutt.

794. *umbellata*, Nutt. Mill Rock, etc.

ORDER 80. SAURURACEÆ.

356. SAURURUS, L.

795. *cernuus*, L. Derby, etc.

ORDER 81. CERATOPHYLLACEÆ.

357. CERATOPHYLLUM, L.

796. *demersum*, L. Beaver Swamp, etc. In good fruit at River Head, L. I.,
Miller.

ORDER 82. CALLITRICHACEÆ.

358. CALLITRICHE, L.

797. *verna*, L.

798. *heterophylla*, Pursh. East Haven, in mossy pools.

ORDER 83. PODOSTEMACEÆ.

359. PODOSTEMON, Michx.

799. *ceratophyllus*, Michx. Killingworth, *Hall*; etc.

ORDER 84. EUPHORBIACEÆ.

360. EUPHORBIA, L.

800. *polygonifolia*, L. Along the shore.

801. *maculata*, L.

802. *hypericifolia*, L.

803. *Ipecacuanhæ*, L. Common on Long Island.

804. CYPARISSIAS, L. Roadsides.

361. ACALYPHA, L.

805. *Virginica*, L.
var. *gracilens*, Gray. Southbury, *Prudden*.

ORDER 85. URTICACEÆ.

362. ULMUS, L.

806. *fulva*, Mich. East Rock, etc.
807. *Americana*, L., Willd.
808. *alata*, Michx. A few small trees in Westville near Veitch's garden; probably introduced.

363. CELTIS, Tourn.

809. *occidentalis*, L. Light-house Point, etc., East Haven; Wading River, L. I., and westward.

364. MORUS, Tourn.

810. *rubra*, L. *Hall*. Common on Long Island.
811. *ALBA*, L. Escaped.

365. URTICA, Tourn.

812. *gracilis*, Ait.
813. *DIOICA*, L. Shore Line Railroad, Fair Haven; also at Westville, *Veitch*.

366. LAPORTEA, Gaudichaud.

814. *Canadensis*, Gaudichaud.

367. PILEA, Lindl.

815. *pumila*, Gray.

368. BEHMERIA, Jacq.

816. *cylindrica*, Willd. Beaver Meadows, etc.

369. PARIETARIA, Tourn.

817. *Pennsylvanica*, Muhl. Near Winchester's armory, New Haven, *Veitch*.

370. CANNABIS, Tourn.

818. *SATIVA*, L.

371. HUMULUS, L.

819. *Lupulus*, L.

ORDER 86. PLATANACEÆ.

372. PLATANUS, L.

820. *occidentalis*, L.

ORDER 87. JUGLANDACEÆ.

373. JUGLANS, L.

821. *cinerea*, L.

374. CARYA, Nutt.

822. *alba*, Nutt.

823. *tomentosa*, Nutt.

var. *MAXIMA*, Nutt. Northville, L. I., *H. W. Young*

824. *porcina*, Nutt.

825. *amara*, Nutt.

ORDER 88. CUPULIFERÆ.

375. QUERCUS, L.

826. *alba*, L.

827. *obtusiloba*, Michx. East Rock, Mill Rock, etc.

828. *bicolor*, Willd.

829. *Prinus*, L., var. *monticola*, Michx. Rare about New Haven; common on Long Island.

var. *acuminata*, Michx.

830. *prinoides*, Willd. Pine Rock, West Rock, Farmington, etc.; common on Long Island.

831. *ilicifolia*, Wang.

832. *coccinea*, Wang.

var. *tinctoria*, Gray.

833. *rubra*, L.

834. *palustris*, DuRoi. Wet woods near Canner street, New Haven, *Prof. Eaton*; Yaphauk, L. I., *W. J. Weeks*; Waterbury, *H. J. Bassett*.

376. CASTANEA, Tourn.

835. *vesca*, L.

377. FAGUS, Tourn.

836. *ferruginea*, Ait.

378. CORYLUS, Tourn.

837. *Americana*, Walt.

838. *rostrata*, Ait.

379. OSTRYA, Micheli.

839. *Virginica*, Willd.

380. CARPINUS, L.

840. *Americana*, Michx.

ORDER 89. MYRICACEÆ.

381. MYRICA, L.

841. *Gale*, L. Litchfield; River Head, etc., Long Island.

842. *cerifera*, L.

382. COMPTONIA, Solander.

843. *asplenifolia*, Ait.

ORDER 90. BETULACEÆ.

383. BETULA, Tourn.

844. *lenta*, L.
845. *leutea*, Michx. f. Mt. Carmel, etc.
846. *alba*, var. *populifolia*, Spach.
847. *papyracea*, Ait. Maltby Park, Wallingford; Wading River, L. I., etc.:
rare.

384. ALNUS, Tourn.

848. *serrulata*, Ait.

ORDER 91. SALICACEÆ.

385. SALIX, Tourn.

849. *tristis*, Ait. Common on Long Island, etc.
850. *humilis*, Marshall. Farmington, *Miss Willard*; New Haven, *Patton*.
851. *discolor*, Muhl. New Haven, etc. Northville, L. I., *H. W. Young*.
852. *sericea*, Marshall.
853. *cordata*, Muhl.
854. *livida*, Wahl., var. *occidentalis*, Gray. Farmington, *Miss Willard*; New
Haven, *Patton*.
855. *lucida*, Muhl.
856. *nigra*, Marsh. Wading River, L. I.
857. FRAGILIS, L. Westville, *Patton*.
858. ALBA, L.
859. BABYLONICA, Tourn.
860. *myrtilloides*, L. Beaver Meadows, *Eaton*.

386. POPULUS, Tourn.

861. *tremuloides*, Michx.
862. *grandidentata*, Michx.
863. *monilifera*, Ait. Middletown, *Miss F. M. Hazen*.
864. *heterophylla*, L. Northville, L. I., *H. W. Young*.
865. *balsamifera*, L., var. *candicans*, Gray.
866. ALBA, L.

SUBCLASS II. GYMNOSPERMÆ.

ORDER 92. CONIFERÆ.

387. PINUS, Tourn.

867. *rigida*, Miller.
868. *inops*, Ait. Middle Island, L. I., *P. V. Leroy*.
869. *Strobus*, L. Rare on Long Island, but common elsewhere.

388. ABIES, Tourn.

870. *nigra*, Poir. Formerly at Wading River, L. I. "Twenty years ago there was quite a clump of this spruce near Waterbury, but the trees were all killed by fire." *H. J. Bassett*.
871. *Canadensis*, Michx. Rare on Long Island; common elsewhere.

389. LARIX, Tourn.

872. *Americana*, Michx. Litchfield, *Eaton*; Sherman, New Fairfield, Danbury, etc., *P. M. Augur*; formerly grew with sp. 870, *H. J. Bassett*; and occurs in deep swamps in some other localities.

390. CUPRESSUS, Tourn.

873. *thyoides*, L. Occurs at Twin Lakes in North Branford and at Saybrook; besides which there is said to be a white-cedar swamp in north-western Bethany, *Eaton*. "World's-End Swamp, Killingworth. A large number of trees in North Madison, Sherman, New Fairfield and Danbury," *P. M. Augur*.
"A few trees are still standing near 'Cedar Swamp,' in Wolcott," *A. M. Johnson*. Vide sp. 549.

391. JUNIPERUS, L.

874. *communis*, L.
var. *depressus*, Torr. Common on Long Island.
875. *Virginiana*, L.

392. TAXUS, Tourn.

876. *baccata*, L., var. *Canadensis*, Gray. Meriden Hills, *Dr. Eli Ives*; Orange, Mt. Carmel, etc.

CLASS II. MONOCOTYLEDONOUS OR ENDO-
GENOUS PLANTS.

ORDER 93. ARACEÆ.

393. ARISÆMA, Martius.

877. *triphillum*, Torr.

878. *Dracontium*, Schott. Centreville, *J. S. Smith*; Farmington, *Sedgwick*; etc.

394. PELTANDRA, Raf.

879. *Virginica*, Raf.

395. CALLA, L.

880. *palustris*, L. Litchfield; Oxford, *J. Harger*; Berlin, *Brandegee*; Beaver Meadows, (probably now extinct), *Dr. Eli Ives*; Wolcott, *H. J. Bassett*.

396. SYMPLOCARPUS, Salisb.

881. *fœtidus*, Salisb.

397. ORONTIUM, L.

882. *aquaticum*, L. Derby, Whitneyville, East Haven; River Head, L. I., etc.

398. ACORUS, L.

883. *Calamus*, L. Occurs in Whitneyville and Hamden; probably common except about New Haven.

ORDER 94. LEMNACEÆ.

399. LEMNA, L.

884. *trisolca*, L. Beaver Meadows.

885. *Torreyi*, Austin. River Head, L. I., *C. H. Peck*.

886. *perpusilla*, Torr. Wading River, L. I.

887. *minor*, L. Beaver Meadows, etc.

888. *polyrrhiza*, L. New Haven; Stony Brook, L. I., etc.

ORDER 95. TYPHACEÆ.

400. TYPHA, Tourn.

889. *latifolia*, L.

890. *angustifolia*, L. East Haven, etc.

401. SPARGANIUM, Tourn.

891. *eurycarpum*, Engelm. Southbury, *Prudden*; Whitneyville, below the dam, etc.

892. *simplex*, Hudson.

var. *Nuttallii*, Engelm.

var. *androcladum*, Engelm. Waterbury, *Patton*; common on Long Island.

ORDER 96. NAIADACEÆ.

402. NAIAS, L.

893. *flexilis*, Rostk. Whitneyville, *Eaton*; common on Long Island.

403. ZANNICHELLIA, Micheli.

894. *palustris*, L. West border of Quinnipiac Marsh, *Allen*; Wading River, L. I., etc.

404. ZOSTERA, L.

895. *marina*, L. Abundant along the coast.

405. RUPPIA, L.

896. *maritima*, L. Old Lyme, Saybrook; near South End, *Pease*; common on Long Island.

406. POTAMOGETON, Tourn.

897. *natans*, L.

898. *Oakesianus*, Robbins. Wading River and Manorville, L. I.

899. *Claytonii*, Tuck.

900. *Spirillus*, Tuck. *J. S. Smith*.

901. *hybridus*, Michx. Near Hartford, *Dr. Robbins*.

902. *lonchites*, Tuck. Near Hartford, *Dr. Robbins*.

903. *pulcher*, Tuck. River Head, L. I., *E. S. Miller*.

904. *amplifolius*, Tuck.

905. *gramineus*, L. Lake Saltonstall.

906. *lucens*, L., var. ? *Connecticutensis*, Gray. Lake Saltonstall.

907. *perfoliatus*, L. New Haven to Saybrook, etc.

908. *pauciflorus*, Pursh. Litchfield and New Haven.

909. *pusillus*, L. New Haven, *J. S. Smith*; River Head, L. I., *H. W. Young*.
var. *vulgaris*, Fries. Wading River, L. I.

910. *pectinatus*, L. Near Hartford, *Eaton*.

911. *Robbinsii*, Oakes. Deep Pond in Wading River, L. I.

ORDER 97. ALISMACEÆ.

407. TRIGLOCHIN, L.

912. *palustre*, L.

913. *maritimum*, L.

408. ALISMA, L.

914. *Plantago*, L., var. *Americanum*, Gray.

409. SAGITTARIA, L.

915. *variabilis*, Engelm., and many varieties.

916. *calycina*, Engelm. Whitneyville, *Eaton*.

917. *graminea*, Michx. Derby, *Hawes*.

ORDER 98. HYDROCHARIDACEÆ.

410. ANACHARIS, Richard.

918. *Canadensis*, Planchon.

411. VALLISNERIA, Micheli.

919. *spiralis*, L. Saybrook; Housatonic River in Oxford; Wethersfield, *Chas. Wright*; River Head, L. I., etc.

ORDER 99. ORCHIDACEÆ.

412. ORCHIS, L.

920. *spectabilis*, L. Westville, *Misses L. and S. Brush*; Meriden, Oxford, Farmington, Waterbury, etc.: rare.

413. HABENARIA, Willd., R. Br.

921. *tridentata*, Hook.

922. *virescens*, Spreng.

923. *viridis*, R. Br., var. *bracteata*, Reichenb. Mt. Carmel, Roaring Brook, *Eaton*; Mt. Totoket, *Harger*.

924. *Hookeri*, Torr. Westville, etc.

925. *orbiculata*, Torr. Is unknown nearer than South Windsor, and is to be sought in our northern limits.

926. *ciliaris*, R. Br. East Haven, etc.

927. *blephariglottis*, Hook. River Head and Manorville, L. I.; not reported elsewhere.

928. *psycodes*, Gray. Maltby Park, Farmington, etc.

929. *fimbriata*, R. Br. Farmington, *Dr. F. Wheeler*; Cheshire, *Eaton*; formerly in Hamden, *J. S. Smith*.

414. GOODYERA, R. Br.

930. *repens*, R. Br. East Rock, etc.

931. *pubescens*, R. Br.

415. SPIRANTHES, Richard.

932. *cernua*, Richard.

933. *graminea*, Lindl., var. *Walteri*, Gray. Waterbury, *Patton*.

934. *gracilis*, Bigel.

935. *simplex*, Gray. Wading River, L. I. and vicinity, *E. S. Miller*.

416. ARETHUSA, Gronov.

936. *bulbosa*, L. Beaver Meadows, etc. Common on Long Island.

417. POGONIA, Juss.

937. *ophioglossoides*, Nutt.
938. *pendula*, Lindl. Pine Rock, *Eaton*.
939. *verticillata*, Nutt. East Haven, Westville, Woodbridge, etc.
940. *affinis*, C. F. Austin. New Haven, *E. S. Dana*.

418. CALOPOGON, R. Br.

941. *pulchellus*, R. Br.

419. MICROSTYLIS, Nutt.

942. *ophioglossoides*, Nutt. Berlin, *Brandegge*; and occasionally found on Long Island.

420. LIPARIS, Richard.

943. *liliifolia*, Richard. Westville, etc.
944. *Læselii*, Richard. Centreville and East Haven, *J. S. Smith*; New Canaan, *Denslow*.

421. CORALLORHIZA, Haller.

945. *odontorhiza*, Nutt. Westville woods, Wintergreen Falls, etc.
946. *multiflora*, Nutt. Rare on Long Island, common elsewhere.

422. APLECTRUM, Nutt.

947. *hyemale*, Nutt. Westville woods, etc.: rare.

423. CYPRIPEDIUM, L.

948. *arietinum*, R. Br. North Haven, opposite the brick-works on the Hartford road, *Veitch*: rare.
949. *parviflorum*, Salisb. Prospect-street woods, New Haven; Westville woods, etc.
950. *pubescens*, Willd. Westville woods, etc.
951. *spectabile*, Swartz. Westville, *Allen*; Oxford, *Harger*: rare.
952. *acaule*, Ait. Coniferous woods; not rare.

ORDER 100. AMARYLLIDACEÆ.

424. HYPOXYS, L.

953. *erecta*, L.

ORDER 101. HÆMODORACEÆ.

425. ALETRIS, L.

954. *farinosa*, L. Hamden, Cheshire, Farmington, etc.: common on Long Island.

ORDER 102. IRIDACEÆ.

426. IRIS, L.

955. *versicolor*, L.
956. *Virginica*, L. Not rare.

427. PARDANTHUS, Ker.

957. *CHINENSIS*, Ker. New Canaan, Berlin, etc. East Rock, near the brewery,
Veitch.

428. SISYRINCHIUM, L.

958. *Bermudiana*, L.

ORDER 103. DIOSCOREACEÆ.

429. DIOSCOREA, Plum.

959. *villosa*, L. Not rare.

ORDER 104. SMILACEÆ.

430. SMILAX, Tourn.

960. *rotundifolia*, L.
961. *glauca*, Walt.
962. *herbacea*, L.

ORDER 105. LILIACEÆ.

431. TRILLIUM, L.

963. *erectum*, L.
var. *album*, Pursh.
964. *cernuum*, L. Orange, Whitneyville, Westville, etc.
965. *erythrocarpum*, Michx. New Haven, *E. P. Prudden*; Litchfield, *Eaton*;
Waterbury, *Bassett*.

432. MEDEOLA, Gronov.

966. *Virginica*, L.

433. VERATRUM, Tourn.

967. *viride*, Ait.

434. CHAMÆLIRIUM, Willd.

968. *luteum*, Gray. Hamden; Waterbury, *Patton*; East Haddam, *W. E. Selden*.

435. UVULARIA, L.

969. *perfoliata*, L.
970. *sessilifolia*, L.

436. STREPTOPUS, Michx.

971. *roseus*, Michx. Mt. Carmel, *Eaton*.

437. CLINTONIA, Raf.

972. *borealis*, Raf. Litchfield, *Eaton*; Waterbury, *Bassett*.

438. CONVALLARIA, L. (pars.)

973. *majalis*, L. East Rock, *Denslow*, *Gaylord*, etc., well established on an uninhabitable ridge called Indian Neck. Probably introduced by birds—possibly native (?)

439. SMILACINA, Desf.

974. *racemosa*, Desf.
975. *stellata*, Desf. Milford, Money Island, Quinpiac Marsh near Air Line Railroad, Farmington, etc.; common on Long Island.
976. *bifolia*, Ker.

440. POLYGONATUM, Tourn.

977. *biflorum*, Ell.
978. *giganteum*, Dietrich. Abundant in Farmington; rare near New Haven.

441. ASPARAGUS, L.

979. *OFFICINALIS*, L.

442. LILIUM, L.

980. *Philadelphicum*, L.
981. *Canadense*, L.
982. *superbum*, L. Pine Swamp, Hamden; common on Long Island, *Miller*, and the only species.

443. ERYTHRONIUM, L.

983. *Americanum*, Smith.

444. ORNITHOGALUM, Tourn.

984. *UMBELLATUM*, L. Escaped.

445. ALLIUM, L.

985. *tricoctum*, Ait. Westville woods, Mt. Carmel, etc.
986. *VINEALE*, L.
987. *Canadense*, Kalm.

446. MUSCARI, Tourn.

988. *BOTRYOIDES*, Mill. Escaped.

447. HEMEROCALLIS, L.

989. *FULVA*, L. Escaped.

ORDER 106. JUNCACEÆ.

448. LUZULA, DC.

990. *pilosa*, Willd.
991. *campestris*, DC.

449. JUNCUS, L.

992. *effusus*, L.
993. *marginatus*, Rostk. East Haven meadows.
994. *bufonius*, L. New Haven and Litchfield; *Eaton*.
995. *Gerardi*, Loisel. New Haven and Savin Rock.
996. *tenuis*, Willd.
997. *Greenii*, Oakes and Tuck. Northville, L. I., *Miller*.
998. *pelocarpus*, E. Meyer.
999. *militaris*, Bigelow. Common on Long Island.
1000. *acuminatus*, Michx. Common on Long Island.
var. *legitimus*, Engelm. Common on Long Island.
1001. *scirpoides*, Lam. Litchfield, *Eaton*.
1002. *Canadensis*, J. Gay.
var. *longicaudatus*, Engelm. On Long Island.

ORDER 107. PONTEDERIACEÆ.

450. PONTEDERIA, L.

1003. *cordata*, L.

451. HETERANTHERA, Ruiz and Pav.

1004. *reniformis*, Ruiz and Pav. Derby, *Hawes*.

452. SCHOLLERA, Schreber.

1005. *graminea*, Willd. Lake Saltonstall, *Eaton*.

ORDER 108. XYRIDACEÆ.

453. XYRIS, L.

1006. *flexuosa*, Muhl., Chapm. *Hawes*.
1007. *Caroliniana*, Walt. *Eaton*.

ORDER 109. ERIOCAULONACEÆ.

454. ERIOCAULON, L.

1008. *septangulare*, With. Litchfield, Whitneyville, etc.

ORDER 110. CYPERACEÆ.

455. CYPERUS, L.

1009. *diandrus*, Torrey. West bank of Mill River, Whitneyville, etc.
1010. *Nuttallii*, Torr. Salt marshes, New Haven.

- 1011. *inflexus*, Muhl. North end of Lake Saltonstall, *Eaton*. To be sought on river banks.
- 1012. *dentatus*, Torr. New Haven, etc., *Eaton*.
- 1013. *phymatodes*, Muhl.
- 1014. *strigosus*, L. Sands, New Haven. Common on Long Island.
- 1015. *Michauxianus*, Schultes. Middle Island, Long Island, etc.
- 1016. *Grayii*, Torr. Beach beyond Savin Rock, *Allen*; also on Long Island.
- 1017. *filiculmis*, Vahl. East Rock, Long Island, etc.

456. **DULICHIMUM**, Richard.

- 1018. *spathaceum*, Pers. Marshes.

457. **FUIRENA**, Rottböll.

- 1019. *squarrosa*, Michx., var. *PUMILA*, Torr. Common on Long Island.

458. **ELEOCHARIS**, R. Br.

- 1020. *Robbinsii*, Oakes. Wading River, L. I.
- 1021. *tuberculosa*, R. Br. East border of Quinnipiac Marsh, *Allen* and *Pease*.
- 1022. *obtusa*, Schultes.
- 1023. *olivacea*, Torrey. South End. *Allen*.
- 1024. *palustris*, R. Br.
- 1025. *rostellata*, Torr. Wading River, L. I.
- 1026. *tenuis*, Schultes.
- 1027. *melanocarpa*, Torr. Wading River, L. I.
- 1028. *tricostata*, Torr. Wading River, L. I.
- 1029. *acicularis*, R. Br.
- 1030. *pygmæa*, Torr. Common on Long Island; also in a salt marsh near Savin Rock, *Allen*.

459. **SCIRPUS**, L.

- 1031. *planifolius*, Muhl.
- 1032. *subterminalis*, Torr. Wading River, L. I.
- 1033. *pungens*, Vahl.
- 1034. *Olneyi*, Gray. Near New Haven, *Allen*.
- 1035. *validus*, Vahl. Middletown, New Haven, etc.
- 1036. *debilis*, Pursh. Saltonstall, *Allen*; also on Long Island.
- 1037. *maritimus*, L.
var. *MACROSTACHYOS*, Michx. Wading River, L. I.
- 1038. *fluviatilis*, Gray. *Prudden*.
- 1039. *sylvaticus*, L. Near New Haven, *Eaton*.
- 1040. *atrovirens*, Muhl.
- 1041. *polyphyllus*, Vahl.
- 1042. *lineatus*, Michx. East Haven, *Eaton*.
- 1043. *Eriophorum*, Michx.

460. ERIOPHORUM, L.

1044. *Virginicum*, L. Beaver Meadows, etc.
1045. *polystachyon*, L. New Haven and Litchfield, *Eaton*; common on Long Island.
1046. *gracile*, Koch., var. *PAUCINERVIUM*, Engelm.

461. FIMBRISTYLIS, Vahl.

1047. *spadicea*, Vahl., var. *castanea*, Gray. River Head, L. I.
1048. *autumnalis*, Roem. and Schult.
1049. *capillaris*, Gray.

462. RHYNCHOSPORA, Vahl.

1050. *NITENS*, Gray. Wading River, L. I.
1051. *alba*, Vahl.
1052. *glomerata*, Vahl.
1053. *macrostachya*, Torr. Near New Haven, *Prudden*.

463. CLADIUM, P. Browne.

1054. *mariscoides*, Torr. Common on Long Island.

464. SCLERIA, L.

1055. *triglomerata*, Michx. West Rock, *Allen*.
1056. *reticularis*, Michx. Common on Long Island.

465. CAREX, L.

1057. *polytrichoides*, Muhl. Long Island, etc.
1058. *bromoides*, Schk.
1059. *teretiuscula*, Good. Beaver Meadows, etc.
1060. *vulpinoidea*, Michx.
1061. *stipata*, Muhl.
1062. *sparganoides*, Muhl. West Rock.
1063. *cephalophora*, Muhl.
1064. *Muhlenbergii*, Schk.
1065. *rosea*, Schk.
1066. *retroflexa*, Muhl.
1067. *trisperma*, Dew.
1068. *canescens*, L. (pars.)
1069. *exilis*, Dew. Common on Long Island.
1070. *stellulata*, L., var. *scirpoides*, Gray.
1071. *scoparia*, Schk.
1072. *lagopopoides*, Schk.
1073. *adusta*, Boott. Near New Haven, *Prudden*.
1074. *fœnea*, Willd. East Haven, *Veitch*; also on L. I.
1075. *straminea*, Schk.
1076. *alata*, Torr. River Head, L. I.

1077. **stricta**, Lam. Most abundant of the genus, forming great tussocks in the swamps.
1078. **crinita**, Lam.
1079. **granularis**, Muhl. New Haven and Wading River.
1080. **pallescens**, L.
1081. **conoidea**, Schk.
1082. **grisea**, Wahl.
1083. **gracillima**, Schw.
1084. **virescens**, Muhl.
1085. **triceps**, Michx.
1086. **platyphylla**, Carey. Mt. Carmel, etc.
1087. **retrocurva**, Dew.
1088. **digitalis**, Willd.
1089. **laxiflora**, Lam. Common in several forms.
1090. **umbellata**, Schk. East Rock, etc.
1091. **Emmonsii**, Dew.
1092. **nigro-marginata**, Schwein. Common on Long Island.
1093. **Pennsylvanica**, Lam.
1094. **varia**, Muhl.
1095. **pubescens**, Muhl.
1096. **miliacea**, Muhl.
1097. **scabrata**, Schw.
1098. **debilis**, Michx.
1099. **flava**, L. Berlin, *N. Coleman*.
1100. **Æderi**, Ehrh. East Quinipiac marsh.
1101. **filiformis**, L.
1102. **lanuginosa**, Michx.
1103. **vestita**, Willd.
1104. **striata**, Michx. Common on Long Island.
1105. **comosa**, Boott.
1106. **hystricina**, Willd.
1107. **tentaculata**, Muhl.
1108. **intumescens**, Rudge.
1109. **lupulina**, Muhl.
1110. **folliculata**, L.
1111. **subulata**, Michx. A dwarf form found at Northville, L. I., by *H. W. Young*.
1112. **squarrosa**, L.
1113. **utriculata**, Boott. Northville, L. I., *H. W. Young*.
1114. **bullata**, Schk.

ORDER 111. GRAMINEÆ.

466. **LEERSIA**, Solander.

1115. **Virginica**, Willd.
1116. **oryzoides**, Swartz.

467. **ZIZANIA**, Gronov.

1117. **aquatica**, L. Common in marshes.

468. PHLEUM, L.

1118. PRATENSE, L.

469. VILFA, Adans., Beauv.

1119. **aspera**, Beauv.

1120. **vaginæflora**, Torr.

470. SPOROBOLUS, R. Br.

1121. **heterolepis**, Gray. Top of West Rock near the precipice, *Dr. Monson*,
and in a similar situation at Snake Rock, *Allen*.

1122. **serotinus**, Gray. Salt marsh near the Light-house, *A. H. Young*.

471. AGROSTIS, L.

1123. **perennans**, Tuck. *Hall* and *Harger*.

1124. **scabra**, Willd.

1125. **canina**, L.

1126. **vulgaris**, With.

1127. **alba**, L. Beaver Meadows.

472. CINNA, L.

1128. **arundinacea**, L.

473. MUHLENBERGIA, Schreb.

1129. **sobolifera**, Trin. Maltby Park, Pine Swamp in Hamden, etc.

1130. **glomerata**, Trin. Beaver Meadows, Oxford and Mt. Carmel.

1131. **Mexicana**, Trin. Allingtown, etc.

1132. **sylvatica**, Torr. and Gray. Maltby Park, *A. H. Young*.

1133. **Willdenovii**, Trin. West Rock, Mt. Carmel, etc.

1134. **diffusa**, Schreb. Near West River, *A. H. Young*.

1135. **capillaris**, Kunth. Rocks, etc.

474. BRACHYELYTRUM, Beauv.

1136. **aristatum**, Beauv. Westville.

475. CALAMAGROSTIS, Adans.

1137. **Canadensis**, Beauv.

1138. **Nuttalliana**, Steud. New Haven, Pine Swamp, etc.

1139. **arenaria**, Roth. Shore of the Sound, *Eaton*.

476. ORYZOPSIS, Michx.

1140. **melanocarpa**, Muhl. Roaring Brook, etc.

1141. **asperifolia**, Michx. Meriden, *Allen*.

477. STIPA, L.

1142. **avenacea**, L.

478. ARISTIDA, L.

- 1143. *dichotoma*, Michx.
- 1144. *gracilis*, Ell. Maltby Park, etc.
- 1145. *purpurascens*, Poir.
- 1146. *tuberculosa*, Nutt. On Long Island.

479. SPARTINA, Schreb.

- 1147. *cynosuroides*, Willd.
- 1148. *polystachya*, Willd., Muhl. Marshes.
- 1149. *juncea*, Willd.
- 1150. *stricta*, Roth., var. *glabra*, Gray. East Haven, etc.

480. CYNODON, Richard.

- 1151. *DACTYLON*, Pers. Westville, etc.

481. ELEUSINE, Gærtn.

- 1152. *INDICA*, Gærtn. New Haven, etc.

482. TRICUSPIS, Beauv.

- 1153. *seslerioides*, Torr. New Haven, Orange, etc.
- 1154. *purpurea*, Gray. Pease.

483. DACTYLIS, L.

- 1155. *GLOMERATA*, L.

484. EATONIA, Raf.

- 1156. *Pennsylvanica*, Gray. Woods along Mill River below the dam, *Prudden*; Northville, L. I., *H. W. Young*.

485. GLYCERIA, R. Br., Trin.

- 1157. *Canadensis*, Trin.
- 1158. *obtusa*, Trin. Common on Long Island.
- 1159. *elongata*, Trin. Westville, Maltby Park, Mt. Carmel, etc.
- 1160. *nervata*, Trin.
- 1161. *pallida*, Trin. East Haven, *Allen*.
- 1162. *aquatica*, Smith.
- 1163. *fluitans*, R. Br. On Long Island.
- 1164. *acutiflora*, Torr. Orange, *Eaton*.
- 1165. *maritima*, Wahl. *Allen*.

486. BRIZOPYRUM, Link.

- 1166. *spicatum*, Hook. Common in salt marshes.

487. POA, L.

1167. **annua**, L.
1168. **compressa**, L.
1169. **serotina**, Ehrh.
1170. **pratensis**, L.
1171. TRIVIALIS, L.
1172. **alsodes**, Gray. Westville, *Allen*.

488. ERAGROSTIS, Beauv.

1173. POÆOIDES, Beauv. *Hall*.
var. MEGASTACHYA, Gray. *E. E. Brewster*.
1174. **reptans**, Nees. Banks of Connecticut River, *Eaton*.
1175. PILOSA, Beauv. West Rock, *Hall*.
1176. **capillaris**, Nees.
1177. **pectinacea**, Gray.

489. FESTUCA, L.

1178. **tenella**, Willd. Orange, *Prudden*.
1179. **ovina**, L. *Prudden*.
var. DURIUSCULA, Gray. Common on Long Island.
var. RUBRA, Gray. Northville, L. I., *H. W. Young*.
1180. ELATOR, L.
1181. **nutans**, Willd. Not rare.

490. BROMUS, L.

1182. SECALINUS, L. In wheat fields.
1183. MOLLIS, L. Mattituck, L. I., *H. W. Young*.
1184. RACEMOSUS, L. Middle Island, Long Island, *Miller*. Also found by *Harger*.
1185. **Kalmii**, Gray. Oxford, *Harger*.
1186. **ciliatus**, L. New Haven, East Rock, etc.
1187. STERILIS, L. Aquebogue, L. I., *H. W. Young*.
1188. TECTORUM, L. Steamboat wharf, *Harger*; River Head, L. I., etc.

491. PHRAGMITES, Trin.

1189. **communis**, Trin. Quinnipiac marsh, etc.

492. LOLIUM, L.

1190. PERENNE, L. East Haven, *Harger*; Prospect street, New Haven, *Hawes*.

493. TRITICUM, L.

1191. **repens**, L.

494. HORDEUM, L.

1192. **jubatam**, L. Marshes along Shore Line railroad.

495. ELYMUS, L.

1193. *Virginicus*, L.
1194. *Canadensis*, L. East Rock, *A. H. Young*.
1195. *striatus*, Willd. East Haven, Allen.

496. GYMNOSTICUM, Schreb.

1196. *Hystrix*, Schreb. Hills of New Haven County, etc.

497. DANTHONIA, DC.

1197. *spicata*, Beauv. East Rock, Woodbridge, etc.

498. AVENA, L.

1198. *SATIVA*, L.

499. TRISETUM, Pers.

1199. *palustre*, Torr. Near New Haven, *Allen*. Northville, L. I., *H. W. Young*.

500. AIRA, L.

1200. *flexuosa*, L. Naugatuck Valley, *Eaton*.

501. ARRHENATHERUM, Beauv.

1201. *AVENACEUM*, Beauv. West River, Waterbury, etc., *Eaton*.

502. HOLCUS, L. (pars.)

1202. *LANATUS*, L.

503. HIEROCHLOA, Gmelin.

1203. *borealis*, Roem. and Schultes. *Prudden*.

504. ANTHOXANTHUM, L.

1204. *ODORATUM*, L.

505. PHALARIS, L.

1205. *CANARIENSIS*, L. East Haven, *W. W. Denlow*.
1206. *arundinacea*, L.

506. PASPALUM, L.

1207. *setaceum*, Michx. *Prudden*.
1208. *laeve*, Michx. East Haven, *Harger*; Edgewood, *Veitch*.

507. PANICUM, L.

1209. *filiforme*, L.
1210. *GLABRUM*, Gaudin. Cedar Hill, *Eaton*.
1211. *SANGUINALE*, L.
1212. *agrostoides*, Spreng.
1213. *proliferum*, Lam. East Haven, West River, etc.
1214. *capillare*, L.

1215. *virgatum*, L.
1216. *amarum*, Ell. Sandy shores of Long Island Sound at Guilford, *Dr. Barratt* ;
Light-house Point, *Pease, Young*, etc. ; West River, *Hall*. Has
since been collected in Colorado by *Brandegee*.
1217. *latifolium*, L.
1218. *clandestinum*, L. On the roads near the Light-house, *Young*.
1219. *pauciflorum*, Ell. ?
1220. *dichotomum*, L. !
1221. *depauperatum*, Muhl. *Pease*.
1222. *verrucosum*, Muhl. *Harger*.
1223. *CRUS-GALLI*, L.
var. *HISPIDUM*, Gray. Lower Beaver Meadows, *Prudden*.

508. *SETARIA*, Beauv.

1224. *VERTICILLATA*, Beauv. *Pease*.
1225. *GLAUCA*, Beauv.
1226. *VIRIDIS*, Beauv. North of East Rock, *Eaton*.
1227. *ITALICA*, Kunth. Escaped, *Pease*.

509. *CENCHRUS*, L.

1228. *tribuloides*, L. Sands along the shore.

510. *ANDROPOGON*, L.

1229. *furcatus*, Muhl.
1230. *scoparius*, Michx.
1231. *Virginicus*, L.
1232. *macrourus*, Michx. River Head, Manorville, etc., L. I.

511. *SORGHUM*, Pers.

1233. *nutans*, Gray. East Haven, Naugatuck Valley, etc.

SERIES II.

CRYPTOGAMOUS OR FLOWERLESS PLANTS.

CLASS III. ACROGENS.

ORDER 112. EQUISETACEÆ.

512. EQUISETUM, L.

1234. *arvense*, L.
1235. *sylvaticum*, L.
1236. *limosum*, L. Ditches along the Shore Line railroad in East Haven.
1237. *hyemale*, L.
1238. *scirpoides*, Michx. Norfolk, *Eaton*; probably within our limits.

ORDER 113. FILICES.

513. POLYPODIUM, L.

1239. *vulgare*, L.

514. ADIANTUM, L.

1240. *pedatum*, L.

515. PTERIS, L.

1241. *aquilina*, L.

516. PELLÆA, Link.

1242. *atropurpurea*, Link. Maltby Park, *Eaton*; abundant in Berlin, *Brandegee*.

517. WOODWARDIA, Smith.

1243. *Virginica*, Smith. Mt. Carmel, *Eaton*; Oxford, *Harger*; Berlin, *Brandegee*.
Common on Long Island.
1244. *angustifolia*, Smith. Maltby Park and Stratford, *Gen. Eaton*; East Haven, south of the village, *Hall*; common on Long Island.

518. ASPLENIUM, L.

1245. *Trichomanes*, L.
1246. *ebeneum*, Ait.
1247. *angustifolium*, Michx. Meriden, *Eaton*; Mt. Totoket, *W. W. Denslow*.
1248. *thelypteroides*, Michx. Dells of West Rock, East Rock, etc.
1249. *Filix-fœmina*, Bernh.

519. CAMPTOSORUS, Link.

1250. *rhizophyllus*, Link. Roaring Brook, Maltby Park, Farmington, Oxford.
etc.: rare.

520. PHEGOPTERIS, Fée.

1251. *polypodioides*, Fée. At Wintergreen Falls, and on trap hills.
1252. *hexagonoptera*, Fée.
1253. *Dryopteris*, Fée. Along the roadside south of Mt. Carmel, and at
Meriden. *Eaton*.

521. ASPIDIUM, Swartz.

1254. *Thelypteris*, Swartz.
1255. *Noveboracense*, Swartz.
1256. *spinulosum*, Swartz. var. *intermedium*, Gray.
var. *Boottii*, Gray. Maltby Park, and formerly near Orange street,
New Haven.
1257. *cristatum*, Swartz.
var. *Clintonianum*, D. C. Eaton. Waterbury, *Patton*.
1258. *Goldianum*, Hook. Roaring Brook, *Eaton*; Mt. Totoket, *Harger*.
1259. *marginale*, Swartz.
1260. *acrostichoides*, Swartz.

522. CYSTOPTERIS, Bernh.

1261. *fragilis*, Bernh.

523. STRUTHIOPTERIS, Willd.

1262. *Germanica*, Willd. Alluvial soil along the Connecticut, Housatonic and
Farmington rivers.

524. ONOCLEA, L.

1263. *sensibilis*, L.

525. WOODSIA, R. Br.

1264. *obtusa*, Torr.
1265. *Ilvensis*, R. Br. On trap hills.

526. DICKSONIA, L'Her.

1266. *punctilobula*, Kunze.

527. LYGODIUM, Swartz.

1267. *palmatum*, Swartz. This plant is somewhat abundant in several localities;
e. g., in Plainville, Farmington, Berlin, Middletown, and prob-
ably elsewhere.

528. OSMUNDA, L.

1268. *regalis*, L.
1269. *Claytoniana*, L.
1270. *cinnamomea*, L.

529. BOTRYCHIUM, Swartz.

1271. *simplex*, Hitchcock. Wading River, *Miller*.
1272. *lanceolatum*, Angström. Orange, *Harger*.
1273. *ternatum*, Swartz. Several varieties occur more or less abundantly.
1274. *Virginianum*, Swartz.

530. OPHIOGLOSSUM, L.

1275. *vulgatum*, L. Not common.

ORDER 114. LYCOPODIACEÆ.

531. LYCOPODIUM, L., Spring.

1276. *lucidulum*, Michx.
1277. *inundatum*, L. Hamden and Mt. Carmel.
var. *BIGELOVII*, Tuckerm. Beaver Meadows, etc.
1278. *dendroideum*, Michx.
1279. *clavatum*, L. Rare near New Haven; more common northward.
1280. *complanatum*, L.

532. SELAGINELLA, Beauv., Spring.

1281. *rupestris*, Spring. On rocks.
1282. *apus*, Spring. Marshes and meadows.

533. ISOETES, L.

1283. *riparia*, Engelm. Whitneyville, *Eaton*.
1284. *Engelmanni*, Braun. Meriden, *Hall*.

ORDER 115. HYDROPTERIDES.

534. MARSILIA, L.

1285. *quadrifolia*, L. Bantam Lake, Litchfield, *Dr. T. F. Allen*. "The only known American habitat."

CLASS IV. ANOGENS.

ORDER 116. MUSCI.

A. BRYINÆ.

I. ACROCARPI.

535. SPHÆRANGIUM, Schimp.

1286. *muticum*, Schimp. Old ploughed field near Pine Swamp, *J. A. Allen*.

536. PHASCUM, L., Schimp.

1287. *cuspidatum*, Schreber. Woodbridge, *J. A. Allen*.

537. PLEURIDIUM, Brid.

1288. *alternifolium*, Brid. In pastures near Pine Rock.

538. GYMNSTOMUM, Hedwig.

1289. *curvirostrum*, Hedw. Mill Rock; Killingworth, (sterile), *Hall*.

539. WEISIA, Hedwig.

1290. *viridula*, Brid. Grassy banks.

540. DICRANUM, Hedwig.

1291. *varium*, Hedw. Earth.

1292. *heteromallum*, Hedw. Earth.

1293. *flagellare*, Hedw. Decayed stumps.

1294. *interruptum*, Br. and Sch. Rocks and woods.

1295. *longifolium*, Hedw. Meriden Hills.

1296. *scoparium*, L.

1297. *fuscescens*, Turner. Rocks along the shore, *A. Barron*.

1298. *Schreberi*, Web. and Mohr. Swamps in Wallingford, *A. Barron*.

1299. *spurium*, Hedw. Near the Sound, *A. Barron*.

1300. *undulatum*, Turner. Saltonstall Ridge and northward.

541. CAMPYLOPUS, Brid.

1301. *viridis*, Sull. and Lesq. Wallingford, *A. Barron*.

542. LEUCOBRYUM, Hampe.

1302. *glaucum*, Hampe.

543. **FISSIDENS**, Hedwig.

1303. **minutus**, Sull. Saltonstall Ridge, *Kleeberger*.
1304. **osmundioides**, Hedw. Saltonstall Ridge, *Kleeberger*; on earth, Prospect street near the reservoir, *Eaton*.
1305. **adiantoides**, Hedw. Rocks in brooks.
1306. **bryoides**, Hedw. In a green-house. *R. Veitch*; also on the sides of a well on Church street, New Haven. *W. T. Browne*.

544. **CONOMITRIUM**, Montagne.

1307. **Julianum**, Montagne. Cold running water, Woodbridge Glen, etc.

545. **CERATODON**, Brid.

1308. **purpureus**, Brid. Roofs and roadsides.

546. **LEPTOTRICHUM**, Hampe.

1309. **tortile**, Hampe. Roadsides near West Rock.
1310. **vaginans**, Br. and Sch. Fair Haven, *Eaton*.
1311. **pallidum**, Hampe. Bare earth in woods.

547. **BARBULA**, Hedw.

1312. **unguiculata**, Hedw. Railway embankment, Fair Haven; roadside, Woodbridge.
1313. **cæspitosa**, Schwægr. Among other mosses in woods.
1314. **tortuosa**, Web. and Mohr. Serpentine rocks in Maltby Park, *Eaton*.
1315. **papillosa**, Wilson. On elm trees.

548. **GRIMMIA**, Ehrh.

1316. **conferta**, Funk. Pine Rock, *Allen*.
1317. **apocarpa**, Hedw. Rocks in rivulets.
1318. **Olneyi**, Sull. Slopes of trap rock near Judges' Cave.
1319. **Pennsylvanica**, Schwægr. Rocks.

549. **DRUMMONDIA**, Hook.

1320. **clavellata**, Hook. On trees.

550. **RACOMITRIUM**, Br. and Sch.

1321. **aciculare**, Brid. Below Wintergreen Falls, (sterile), *Eaton*.

551. **HEDWIGIA**, Ehrh.

1322. **ciliata**, Ehrh. Rocks and boulders.

552. **PTYCHOMITRIUM**, Br. and Sch.

1323. **incurvum**, Sull.

553. **ULOTA**, Mohr.

1324. **Ludwigii**, Brid. On trees in woods.
1325. **crispa**, Brid. On trees.
1326. **crispula**, Brid. On trees.
1327. **Hutchinsiae**, Br. and Sch. On rocks.

554. **ORTHOTRICHUM**, Hedw.

1328. **Ohioense**, Sull. and Lesq. Mt. Carmel, *Young*.
1329. **psilocarpum**, James. On trees.
1330. **strangulatum**, Beauv. On trees, Maltby Park, *Eaton*.
1331. **sordidum**, Sull. and Lesq. *Pease*.
1332. **citrinum**, Austin. Mt. Carmel, *Young*.
1333. **cupulatum**, var. **minus**, Sull. North side of East Rock, on stones, *Allen*.

555. **ENCALYPTA**, Schreber.

1334. **streptocarpa**, Hedw. Serpentine Rocks. Maltby Park, (sterile), *Eaton*.

556. **TETRAPHIS**, Hedw.

1335. **pellucida**, Hedw. Rotten stumps.

557. **PHYSCOMITRIUM**, Brid.

1336. **pyriforme**, Br. and Sch. Earth.

558. **FUNARIA**, Schreb.

1337. **hygrometrica**, Hedw.

559. **LEPTOBRYUM**, Br. and Sch.

1338. **pyriforme**, Br. and Sch. Fair Haven, *Eaton*.

560. **WEBERA**, Hedw.

1339. **nutans**, Hedw. New Haven, *Kleeberger*.
1340. **albicans**, Br. and Sch. Wintergreen Falls.

561. **BRYUM**, Dill., Schimp.

1341. **bimum**, Schreb. New Haven.
1342. **cæspiticium**, L.
1343. **argenteum**, L.
1344. **pseudotriquetrum**, Schwægr. West Rock.
1345. **roseum**, Schreb. Wet woods.

562. **MNIUM**, L.

1346. **cuspidatum**, Hedw. In grassy lawns, etc.
1347. **affine**, Schwægr. Wet woods.
1348. **hornum**, L. Woodbridge Glen; swamps in East Haven, etc.

1349. *orthorhynchum*, Br. and Sch. Woods, *A. Barron*.
1350. *cinclidioides*, Blytt. Ponds in woods; fruiting on Mt. Carmel, and at Saybrook.
1351. *punctatum*, Hedw. Mountain rivulets in Hamden, Cheshire, etc.

563. *MEESIA*, Hedw.

1352. *tristicha*, Br. and Sch. Meriden, in the valley, *N. Coleman*.

564. *AULACOMNIUM*, Schwægr.

1353. *heterostichum*, Br. and Sch.
1354. *palustre*, Schwægr. Wet meadows.

565. *BARTRAMIA*, Hedwig.

1355. *pomiformis*, Hedw.
1356. *Æderi*, Swartz. Rivulets on the Meriden Hills; Roaring Brook near the falls, *Eaton*.

566. *PHILONOTIS*, Brid.

1357. *fontana*, Brid. Wet places, Mt. Carmel, Totoket, etc., (sometimes fruiting).

567. *ATRICHUM*, Beauv.

1358. *undulatum*, Beauv. Moist places in woods.
1359. *angustatum*, Br. and Sch. Moist earthy banks; much commoner than the other.

568. *POGONATUM*, Beauv.

1360. *brevicaule*, Brid. Clayey banks.

569. *POLYTRICHUM*, Dill.

1361. *formosum*, Hedw.
1362. *piliferum*, Schreb. Trap ledges.
1363. *juniperinum*, Hedw. West Rock, etc.
1364. *strictum*, Menz. Maltby Park, *Young*.
1365. *commune*, L.

570. *DIPHYSCIUM*, Mohr.

1366. *foliosum*, Mohr. Damp earth.

571. *BUXBAUMIA*, Haller.

1367. *aphylla*, Haller. On damp earth, Wintergreen Falls, West Rock and Woodbridge Glen.

II. PLEUROCARPI.

572. FONTINALIS, Dill.

1368. *antipyretica*, var. *gigantea*, Sull. Mountain rivulets, (not seen in fruit).
1369. *Novæ-Angliæ*, Sull. Rivulets, (occasionally fruiting.)
1370. *Dalecarlica*, Br. and Sch. Wintergreen Falls, (sterile).
1371. *Lescurii*, Sull. *A. Barron*.

573. DICHELYMA, Myrin.

1372. *capillaceum*, Br. and Sch. Pools in thickets, Maltby Park, Saltonstall Ridge, Stony Creek, etc.

574. CRYPHÆA, Mohr.

1373. *glomerata*, Schimp. On red cedars at Mt. Carmel, *Young*.

575. LEPTODON, Mohr.

1374. *trichomitrium*, Mohr. On trees and rocks.

576. NECKERA, Hedw.—Schimp.

1375. *pennata*, Hedw. On trees; rather rare.

577. LEUCODON, Schwægr.

1376. *julaceus*, Sull. Rocks and trees, Mt. Carmel, Maltby Park, etc.
1377. *brachypus*, Brid. On trees, Guilford, *Elton*.

578. THELIA, Sull.

1378. *hirtella*, Sull. Tree-trunks near the ground.
1379. *asprella*, Sull. With the last, but less common.
1380. *Lescurii*, Sull. Ledges, West Rock, East Rock, etc.

579. LESKEA, Hedw.

1381. *obscura*, Hedw. Trees.
1382. *polycarpa*, Hedw. Wallingford, *A. Barron*.

580. ANOMODON, Hook. and Taylor.

1383. *rostratus*, Br. and Sch. Base of trees.
1384. *attenuatus*, Hartmann. On rocks, West Rock, etc.
1385. *obtusifolius*, Br. and Sch. Rocks, Maltby Park.
1386. *tristis*, Hook and Taylor. Trees; not very common.

581. THUIDIUM, Br. and Sch.

1387. *tamariscinum*, Auctt. *non* Sch.
1388. *delicatumum*, Auctt. *non* Sch. Saltonstall Ridge, etc.
1389. *scitum*, Br. and Sch. Maltby Park.
1390. *æstivum*, Austin. *A. Barron*.
1391. *minutulum*, Br. and Sch. Decaying logs, West Haven woods, etc.

582. **ELODEUM**, Sull.

1392. **paludosum**, Sull. Not rare in swamps.

583. **PLATYGYRUM**, Br. and Sch.

1393. **repens**, Br. and Sch.

584. **PYLAISÆA**, Br. and Sch.

1394. **intricata**, Br. and Sch. Trees.

1395. **velutina**, Br. and Sch.

585. **CYLINDROTHECIUM**, Br. and Sch.

1396. **cladorrhizans**, Br. and Sch. On stones, Maltby Park, etc.

1397. **seductrix**, Br. and Sch. On stones in wet places, and on walls.

586. **CLIMACIUM**, Web. and Mohr.

1398. **Americanum**, Brid. Damp places in woods.

587. **HOMALOTHECIUM**, Br. and Sch.

1399. **subcapillatum**, Br. and Sch. Trees.

588. **CAMPTOTHECIUM**, Br. and Sch.

1400. **nitens**, Br. and Sch. Berlin, *N. Coleman*.

589. **BRACHYTHECIUM**, Br. and Sch.

1401. **lætum**, Br. and Sch.

1402. **salebrosum**, Br. and Sch.

1403. **velutinum**, Br. and Sch. Mt. Carmel, East Rock, etc.

1404. **rutabulum**, Br. and Sch.

1405. **campestre**, Br. and Sch. On earth under trees.

1406. **rivulare**, Br. and Sch. In rivulets, Mt. Carmel, Bethany, etc.

1407. **plumosum**, Br. and Sch. On stones.

1408. **Novæ-Angliæ**, Sull. Banks of rivulets in woods, Saybrook, etc.

1409. **populeum**, Hedw. On stones in dry woods.

590. **EURHYNCHIUM**, Br. and Sch.

1410. **Boscii**, Sull. On stones in damp places.

1411. **strigosum**, Br. and Sch.

1412. **diversifolium**, Br. and Sch. Southern slope of Whitney Peak and elsewhere, *Pease*.

1413. **piliferum**, Br. and Sch. Swamps, Westville.

1414. **hians**, Hedw. Saltonstall Ridge, East Haven and Cheshire.

1415. **Sullivantii**, (Spruce), Sull. *Allen*.

591. **RHYNCHOSTEGIUM**, Br. and Sch.

1416. *rusciforme*, Br. and Sch. Mountain rivulets.
1417. *serrulatum*, Sull. On earth.
1418. *deplanatum*, Sull. Paine's Hole, Mt. Carmel, *Pease*.
1419. *recurvans*, Austin.
1420. *cylandrocarpum*, (Müll.), Austin. Wintergreen Falls, (sterile), *J. A. Allen*.

592. **THAMNIUM**, Br. and Sch.

1421. *Alleghaniense*, Sull. Overhanging rocks, chiefly along mountain rivulets.

593. **PLAGIOTHECIUM**, Br. and Sch.

1422. *lætum*, Br. and Sch. Sargent's River.
1423. *denticulatum*, Br. and Sch.
1424. *Mühlenbeckii*, Br. and Sch. Moist woods, commonly on rotten logs.
1425. *sylvaticum*, Br. and Sch. Meriden and Fair Haven.

594. **AMBLYSTEGIUM**, Br. and Sch.

1426. *adnatum*, Sull. Tree-trunks.
1427. *serpens*, Br. and Sch.
1428. *radicale*, Br. and Sch.
1429. *orthocladon*, Sull.
1430. *riparium*, Br. and Sch. Wet places and streams.

595. **HYPNUM**, Dill.—Schimp.

(1) **CAMPYLUM**, Sull.

1431. *chrysophyllum*, Brid.
1432. *hispidulum*, Brid.

(2) **HARPIDIUM**, Sull.

1433. *aduncum*, Sull. End of Maltby Park and Fair Haven, *Eaton*.
1434. *hamifolium*, Schimp. Beaver Meadows, *Allen*.

(3) **RHYTIDIUM**, Sull.

1435. *rugosum*, Ehrh. Abundant, but sterile, on crest of Meriden Hills.

(4) **DREPANIUM**, Br. and Sch.

1436. *pallesens*, Br. and Sch. On stones and trees, *Pease*.
1437. *reptile*, Michx. Trees.
1438. *imponens*, Hedw.
1439. *cupressiforme*, L. On rocks, in several forms; fruiting on Pine Rock.
1440. *curvifolium*, Hedw.

(5) **HETEROPHYLLIUM**, Br. and Sch.

1441. **Haldanianum**, Greville.

(6) **CTENIDIUM**, Br. and Sch.

1442. **molluscum**, Hedw.

(7) **CTENIUM**, Br. and Sch.

1443. **Crista-Castrensis**, L. Saltonstall Ridge, Mt. Carmel, etc.; sterile.

(8) **CALLIERGON**, Sull.

1444. **cordifolium**, Hedw. Water; fruiting at Mt. Carmel and Saybrook.
1445. **cuspidatum**, L. Boggy meadows, (sterile).
1446. **Schreberi**, Willd.

596. **HYLOCOMIUM**, Br. and Sch.

1447. **splendens**, Br. and Sch. Trap ranges, (not fruiting.)
1448. **brevirostrum**, Br. and Sch. Shady ravines, Wintergreen Falls, Cheshire,
etc.
1449. **triquetrum**, Br. and Sch.

B. **SPHAGNACEÆ.**

597. **SPHAGNUM**, L.

1450. **cymbifolium**, L.
1451. **acutifolium**, Ehrh.
1452. **squarrosus**, Pers. Pine Swamp, *Hall*.

ORDER 117. **HEPATICÆ.**

598. **RICCIA**, Micheli.

1453. **fluitans**, L. Beaver Meadows, floating among Lemnæ.
1454. **natans**, L.
1455. **Sullivantii**, Austin. Bottom of exsiccated pools, Maltby Park.

599. **FIMBRIARIA**, Nees.

1456. **tenella**, Nees. On moist ground, half a mile east of Wintergreen Lake.

600. **GRIMALDIA**, Raddi.

1457. **barbifrons**, Bisch. On black mould in crevices of trap rock.

601. **ASTERELLA**, Beauv.

1458. **hemispherica**, Beauv. East Rock and Pine Rock.

602. **CONOCEPHALUS**, Necker.

1459. **conicus**, Dumort. Rocks moistened by spray; fruiting at Wintergreen Falls and Paine's Brook on Mt. Carmel.

603. **MARCHANTIA**, L.

1460. **polymorpha**, L. Damp rocks.

604. **LUNULARIA**, Micheli.

1461. **vulgaris**, Micheli. In greenhouses.

605. **ANTHOCEROS**, Micheli.

1462. **lævis**, L. Damp clayey banks, Woodbridge Glen, etc.

606. **NOTOTHYLAS**, Sull.

1463. **valvata**, Sull. Muddy margin of Lake Whitney near H. Prescott's.

607. **METZGERIA**, Raddi.

1464. **furcata**, Nees. Rocks and sometimes tree-trunks, Maltby Park, Saltonstall Ridge, etc.

608. **ANEURA**, Dumort.

1465. **pinnatifida**, Nees. Wet rocks, Wintergreen Falls and Woodbridge Glen.
1466. **sessilis**, Sprengl., var. **aquatica**, Austin. In water, Fair Haven, *Hall*.
1467. **multifida**, Dumort. Maltby Park.

609. **BLASIA**, Micheli.

1468. **pusilla**, L. Wintergreen Falls.

610. **PELLIA**, Raddi.

1469. **epiphylla**, Nees. Woodbridge Glen, Wintergreen Falls, etc.

611. **STEETZIA**, Lehm.

1470. **Lyelli**, Lehm. Beaver Meadows, *Pease*.

612. **FRULLANIA**, Raddi.

1471. **Grayana**, Mont. Trees and rocks.
1472. **Hutchinsiae**, Nees. Dripping rocks, Woodbridge Glen and Wintergreen Falls.
1473. **Eboracensis**, Lehm. Trees.
1474. **Virginica**, Gottsche. Mt. Carmel.

613. **LEJEUNIA**, Libert.

1475. *serpyllifolia*, Libert. Killingworth, *Hall*.
1476. *echinata*, Taylor. Wintergreen Falls, etc.

614. **PHRAGMICOMA**, Dumort.

1477. *clypeata*, (Schwein.) Austin.

615. **MADOTHECA**, Dumort.

1478. *platyphylla*, Dumort. Trees and rocks.
1479. *porella*, Nees. Rocks in rivulets.

616. **RADULA**, Nees.

1480. *complanata*, Dumort. Shaded rocks; sometimes on trees.

617. **BLEPHAROSTOMA**, Dumort.

1481. *trichophyllum*, Dumort.

618. **BLEPHAROZIA**, Dumort.

1482. *ciliaris*, Dumort. Damp ground among mosses.

619. **TRICHOLEA**, Dumort.

1483. *tomentella*, Dumort. About shady pools, Maltby Park, etc.

620. **MASTIGOBRYUM**, Nees.

1484. *trilobatum*, Nees. Moist rocks among mosses.

621. **LEPIDOZIA**, Nees.

1485. *setacea*, Mitten. On banks and decayed wood.
1486. *reptans*, Nees. North of Maltby Park and at Sargent's River and Wintergreen Falls.

622. **CALYPOGEIA**, Raddi.

1487. *Trichomanis*, Corda. On rotten wood.

623. **GEOCALYX**, Nees.

1488. *graveolens*, Nees. Damp ground.

624. **CHILOSCYPHUS**, Corda.

1489. *ascendens*, Hook. and Wilson. In rills, Maltby Park and Epigæa Ravine.
1490. *polyanthos*, Corda. Epigæa Ravine; hills west of the Naugatuck.

625. **LOPHOCOLEA**, Nees.

1491. **heterophylla**, Nees. Trees, Maltby Park.
1492. **bidentata**, Nees. *A. Barron*.

626. **LIOCHLÆNA**, Nees.

1493. **lanceolata**, Nees. Earth near Wintergreen Falls, etc.

627. **ODONTOSCHISMA**, Dumort.

1494. **Sphagni**, Dumort. On mosses in bogs.

628. **CEPHALOZIA**, Dumort.

1495. **connivens**, Austin. Commonest on decayed wood, Maltby Park.
1496. **curvifolia**, Dicks. Mt. Carmel and East Rock, *Allen*.
1497. **divaricata**, Austin. Earth, north of Maltby Park.
1498. **bicuspidata**, Dumort. Base of trees, East Haven.

629. **JUNGERMANNIA**, L.—Dumort.

1499. **barbata**, Schreb. On moist shaded rocks.
1500. **excisa**, Dicks. Wintergreen Falls, etc., *J. A. Allen*.
1501. **crenulata**, Smith. West Rock. Earth.
1502. **Schraderi**, Martius. West Rock, *Prof. Allen*.

630. **SCAPANIA**, Lindenberg.

1503. **nemorosa**, Nees. West Rock, Wintergreen Falls, etc.
1504. **albicans**, var. **taxifolia**, Austin. Woodbridge Glen, Sargent's River.
var. **taxifolia minor**, Austin. With the last.

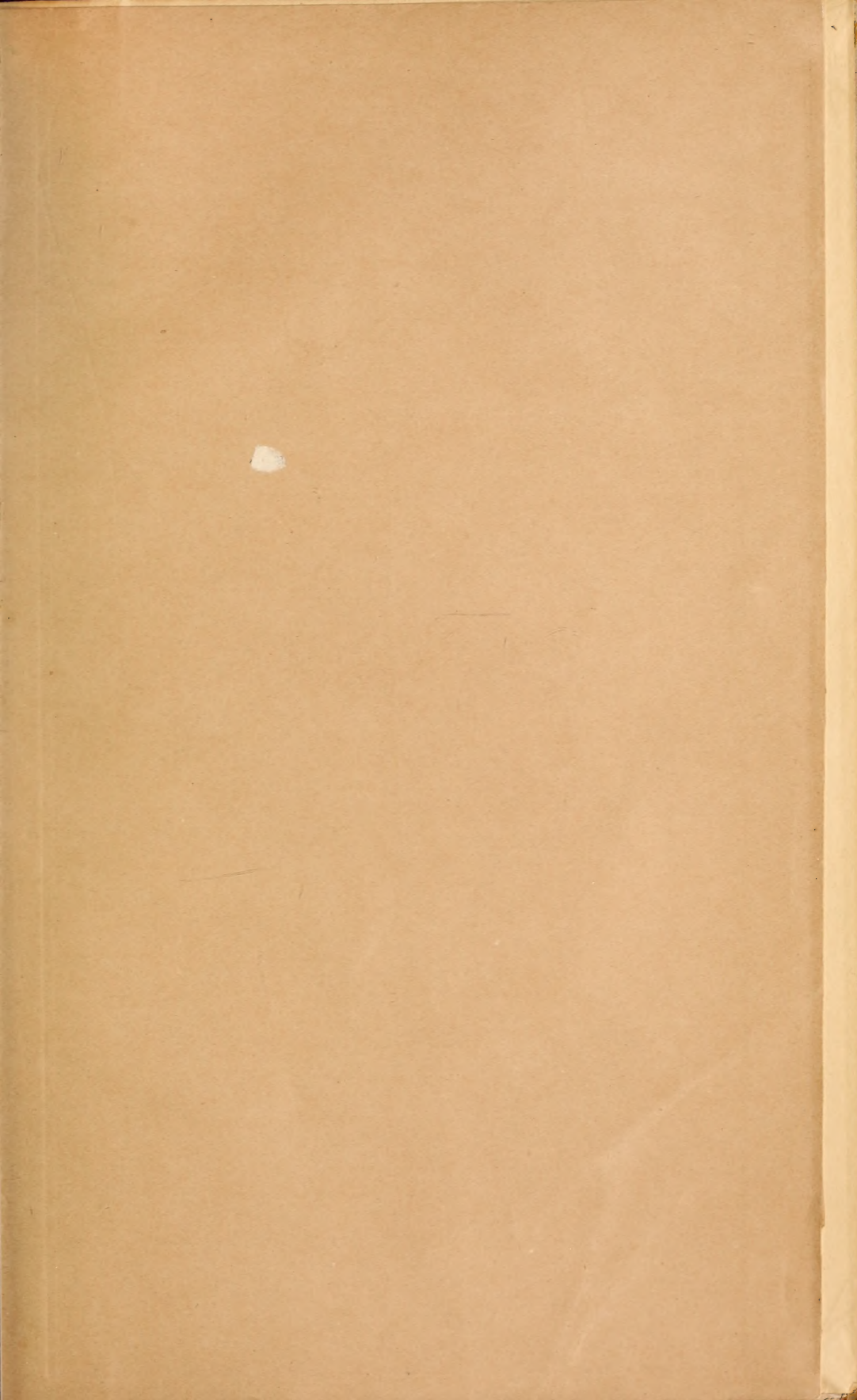
631. **PLAGIOCHILA**, Nees. and Mont.

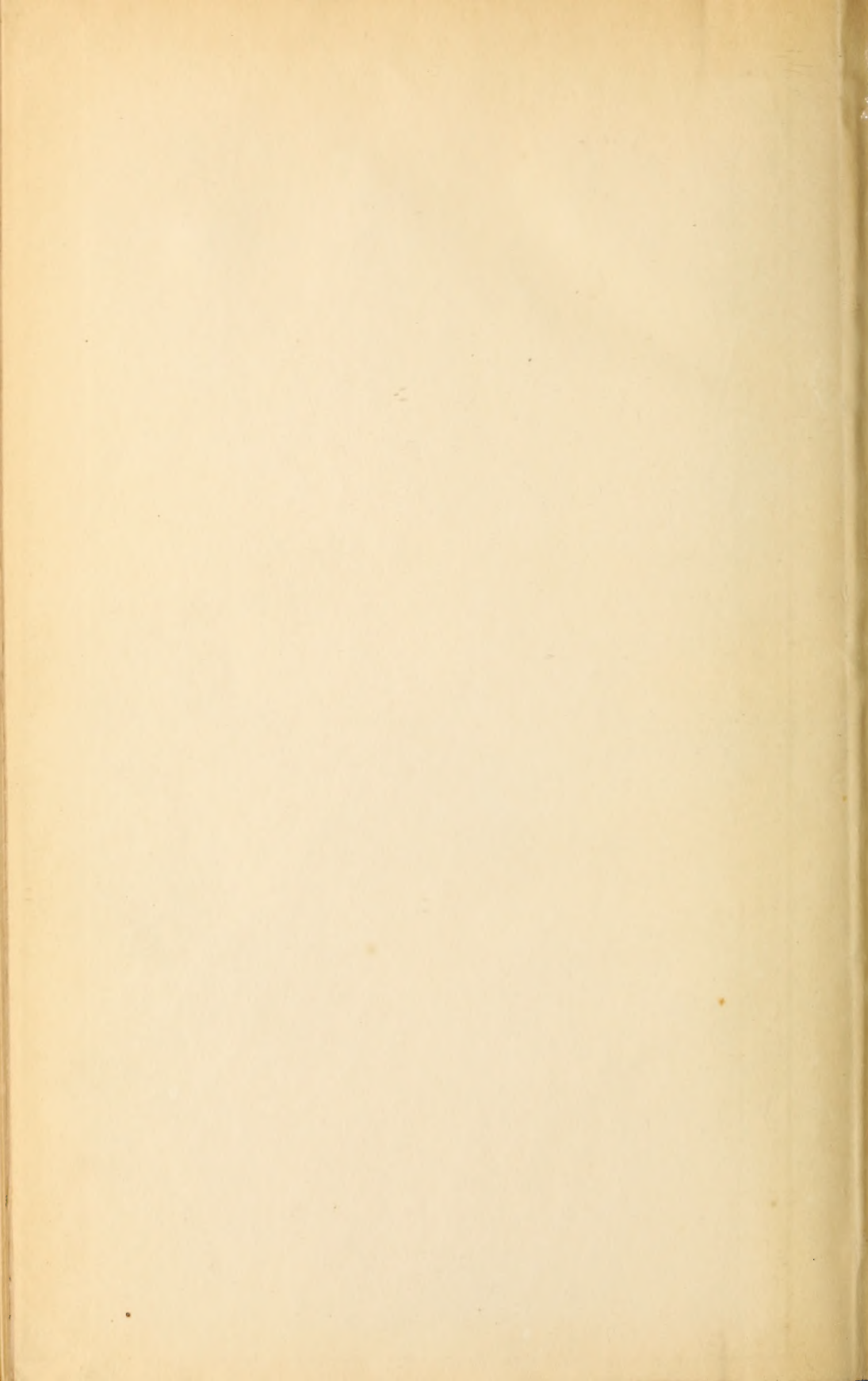
1505. **asplenioides**, Nees. and Mont. Banks of rivulets, Maltby Park.
1506. **porelloides**, Lindenberg. Among mosses, Wintergreen Falls.

ADDITIONS AND CORRECTIONS.

- Page 7, sp. 117. Also in East Haven, *Denslow*.
- After sp. 121 insert: **Arenaria Grœnlandica**, Spreng. occurs on bleak granite rocks below Middletown, some 400 feet above the sea; both the locality and good specimens of the plant having been shown us by *Mr. H. L. Osborn*, of Wesleyan University, who discovered the plant in 1877.
- Page 15, sp. 306, should read, **ambiguum**, Nutt., var. **CAPILLACEUM**, Gray, at River Head, and var's. **NATANS**, Gray, and **LIMOSUM**, Gray, at Wading River.
- Page 16, sp. 319 should be stricken out.
- After sp. 330 insert: **Echinocystis lobata**, Torr. and Gray. "Occurs in profusion on the banks of Connecticut River at Windsor Locks," *N. W. Hayden*, and is undoubtedly within our limits.
- Page 20, sp. 408. For *J. H. Hall*, read *I. H. Hall*.
- Page 27, after sp. 563 insert: **Rhodora Canadensis**, L. Pine Swamp, Cromwell, *Brandegee*.
- Page 30, sp. 634. Common on Long Island.
- Page 32, sp. 676. For Mich. read Michx.
- After sp. 681 insert: **S. hyssopifolia**, Michx. Wading River and vicinity.
- Page 36, Genus 340. For **Phytolacca**, L. read **Phytolacca**, Tourn.
- Page 39, sp. 809. Common.
- Page 41, sp. 845. For *leutea* read *lutea*.
- Page 44, sp. 911. Very common in slow waters in Connecticut.
- Page 45, after sp. 927 insert: **H. lacera**, R. Br. Common.
- Page 51, sp. 1072. Should read **lagopodioides**.
- Page 52, sp. 1092. Collected by *H. W. Young*.
- Page 56, genus 496. Read **Gymnostichum**.
- Page 58, after sp. 1246 insert: **A. Ruta-muraria**, L. Berlin, *Brandegee*.
- Page 61, sp. 1298 should be **Schraderi**, Web. and Mohr.: it is common in bogs and wet woods.
- After sp. 1288 insert: **Bruchia flexuosa**, Schwægr. Old fields on earth, *J. A. Allen*.
- Systegium Sullivantii**, Schimp. East Haven, *J. A. Allen*.
- Page 64, after sp. 1357 insert: **Timmia Megapolitana**, Hedwig. Sargent's River, *E. E. Brewster*.







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