

Plant Galls of Chorpe and District.

Compiled November 1914 from Notes made in 1908,
1911, 1913 and 1914.

By HAROLD J. BURKILL, M.A., F.R.G.S.

THE following list of plant galls has been compiled from my note books as the result of visits to Thorpe during 1908, 1911, 1913 and 1914.

The area in which I have collected or examined the specimens is bounded roughly by a line drawn from Hindlow station on the north, through Hurdlow and Parsley Hay stations, Lathkill Valley, Stanton Moor, Grange Mill, Ible, Wirksworth, Weston Underwood, Brailsford, Rodsley, Yeaveley, Norbury, Ellastone, Rams-horn, Winkhill, Morridge, Blakemeer House to Longnor and Hindlow station. Some of these places have only been visited by cycle, and have therefore not been thoroughly searched for galls.

No work has been done in May or June, consequently the spring forms of Oak galls are poorly represented, and such as I have been able to find have been few and far between, and have owed their existence beyond their normal time mostly to the attacks of parasites.

All the places mentioned as localities in the list will I think be found on the local maps of the Ordnance Survey, 1 inch to the mile.

The Botanical names are those of the tenth edition of *The London Catalogue of British Plants*.

The names of the agents causing the galls are taken from Dr. Houard's *Les Zoocécidies des Plantes d'Europe et du Bassin de la Méditerranée*.

For comparison with existing lists of the galls of the two counties I have throughout divided the localities into those of Derbyshire, D, and Staffordshire, S, and where a place on the county boundary is mentioned such as Thorpe Mill or Coldwall Bridge the letters D or S signify on which side of the boundary the galls have been found. *Xestophanes potentillæ* used to occur in the middle of Coldwall Bridge but the plants of *Potentilla reptans* have been disturbed from that spot, though this year (1914) there are colonies of the galls by the gates at both ends of the bridge.

The four commonest galls in the district are those of *Perrisia crataegi*, *P. veronica*, *P. urtica*, and *Oligotrophus bursarius*, all of them caused by midges. Some of the midge galls have been found in unexpected places, such as the tops of the hills exposed to the prevailing winds. For instance, *Contarinia helianthemis* galls occur up to the top of the ridge of Bunster (1,000 ft.) and *Rhopalomyia millefolii* has been found 10 ft. below the summit of Thorpe Cloud (900 ft.). *Andricus ostreus* is the most widely distributed oak gall, being noticeable on many trees which have not been attacked by *Neuroterus denticularis*.

Anyone who is able to work the district more completely than I have been able to do will be able to add largely to the list of species and localities as there must be many kinds of galls that have escaped my limited chances of observation, and I shall look forward with pleasure to seeing a more capable worker compiling a fuller list in the near future.

RANUNCULUS REPENS, LINN.

1. *Perrisia ranunculi*, Bremi.

D.—In places round Tissington and Parwich.

S.—Near Ilam.

2. *Urocystis anemones*, Persoon.

D.—Very abundant in 1914. Not so conspicuous other years.

S.—Occasionally 1914. Scarce 1908 and 1911.

CAPSELLA BURSA-PASTORIS, MEDIC.

3. *Cystopus candidus*, Lév.

D.—Buxton Road near Alsop station; Sandy Brook bridge.

HELIANthemum CHAMÆCISTUS, MILL.

4. *Contarinia helianthemii*, Hardy.

D.—Dovedale.

S.—Bunster, plentiful.

VIOLA CANINA, LINN.

5. *Perrisia affinis*, Kieff.

D.—Wyaston; Harthill Moor; Dovedale.

S.—Near Thor's Cave; Mayfield.

LYCHNIS DIOICA, LINN.

6. *Perrisia sp.* Flower heads enlarged, petals undeveloped or aborted. Many white larvæ inside the calyx.

D.—Dovedale.

STELLARIA HOLOSTEA, LINN.

7. *Brachycolus stellaris*, Hardy.

S.—Mayfield.

STELLARIA GRAMINEA, LINN.

8. *Brachycolus stellaris*, Hardy.

D.—Near Coldwall Bridge.

9. *Eriophyes atrichus*, Nal.

D.—Near Bradley Wood.

HYPERICUM PERFORATUM, LINN.

10. *Perrisia hyperici*, Bremi.

S.—Bunster.

HYPERICUM MONTANUM, LINN.

11. *Perrisia hyperici*, Bremi.

D.—Dovedale.

12. *Perrisia serotina*, Winn.

D.—Drabber Tor.

TILIA PLATYPHYLLOS, SCOP.

13. *Eriophyes tiliæ*, Pagenst.

D.—Tissington Park.

14. *Eriophyes tiliarum*, Con.

D.—Tissington Park.

TILIA VULGARIS, HAYNE.

15. *Contarinia tiliarum*, Kieff.

D.—Thorpe.

16. *Eriophyes tiliæ*, Pagenst.

S.—Near Ilam.

17. *Eriophyes tilarius*, Con.
D.—Thorpe.
S.—Ilam; Near Ilam.
18. *Eriophyes tetratrichus*, Nal.
D.—Thorpe.
S.—Ilam.
19. *Eriophyes tiliæ*, Pagenst, *var exilis*, Nal.
S.—Ilam.

TILIA PARVIFOLIA, EHRH.

20. *Eriophyes tiliæ*, Pagenst, *var liosoma*, Nal.
D.—Tissington Park.

RHAMNUS CATHARTICUS, LINN.

21. *Trichopsylla Walkeri*, Först.
D.—Dovedale, abundant.

ACER PSEUDO-PLATANUS, LINN.

22. *Eriophyes macrorrhynchus*, Nal.
D.—Via Gellia; Fenny Bentley; Thorpe; Narrowdale;
Dove Valley from Thorpe Mill to Mappleton.
S.—Near Ilam; Coldwall Farm; River bank between Coldwall Bridge and Okeover; Okeover Park.
The variegated Sycamores in Thorpe churchyard are attacked by this mite.

ACER CAMPESTRE, LINN.

23. *Eriophyes macrochelus*, Nal.
D.—Broadlow Ash, rare.
24. *Eriophyes macrorrhynchus*, Nal.
D.—Narrowdale; Dovedale; Coldwall Bridge; River bank between Thorpe and Mappleton.
S.—Mayfield.

MEDICAGO LUPULINA, LINN.

25. Aborted flower buds, brown and hairy, enclosing a cavity caused by ?
S.—Blore.

TRIFOLIUM PRATENSE, LINN.

26. *Perrisia* sp. Leaflets folded, white larva.
D.—Thorpe Mill.

TRIFOLIUM REPENS, LINN.

27. *Perrisia trifolii*, F. Löw. Larva pale yellow.
D.—Broadlow Ash; Woodeaves; Kirk Ireton.
S.—Coldwall.

LOTUS CORNICULATUS, LINN.

28. *Contarinia loti*, De Geer.

- D.—Dovedale; Gag Lane; Earl Sterndale.
S.—Coldwall Bridge; Bunster; Ilam; Musden Wood; Threelows; Newtown near Longnor.
29. *Perrisia loticola*, Rübs.
D.—Dovedale.
- LOTUS ULIGINOSUS, SCHKUHR.
30. *Contarinia loti*, De Geer.
S.—Blake Brook; Warslow.
- VICIA CRACCA, LINN.
31. *Perrisia viciae*, Kieff.
D.—Yeldersley; Ednaston Lodge; Whitmeadow Farm;
S.—Alstonefield; Stanshope; Blore.
- VICIA SEPIUM, LINN.
32. *Perrisia viciae*, Kieff.
D.—Brassington; Bradbourne Mill; Dovedale; Whitmeadow Farm.
S.—Ilam; Swinscoe; Ellastone; Okeover to Blore; (abundant August, 1914).
- LATHYRUS PRATENSIS, LINN.
33. *Perrisia* sp.
D.—Coldwall Bridge.
S.—Stanton; Swinscoe.
- PRUNUS SPINOSA, LINN.
34. *Eriophyes similis*, Nal.
D.—Frequent.
S.—Stanton.
35. Leaves curled by *Aphis* sp.
D.—Abundant.
S.—Several places.
- PRUNUS INSITITIA, LINN.
36. *Eriophyes similis*, Nal.
D.—Near Coldwall Bridge.
37. *Aphis* sp.
D.—Dovedale; near Coldwall Bridge.
- PRUNUS DOMESTICA, LINN.
39. *Aphis* sp.
S.—Ellastone.
- SPIRÆA ULMARIA, LINN.
39. *Perrisia pustulans*, Rübs.
D.—Dovedale; Tissington Lane; Parwich Hill.
40. *Perrisia ulmariae*, Bremi.
D.—Abundant in most places where the plant grows.

- S.—Coldwall Bridge ; Stanton ; Okeover ; Blore, etc.
41. Big concavities on the under surface of the leaves occupied by *Aphis* sp.
D.—Dovedale.
- RUBUS FRUTICOSUS, LINN.
42. *Perrisia plicatrix*, H. Löw.
D.—Thorpe ; Dovedale.
S.—Near Stanton.
- RUBUS SP.
43. *Perrisia plicatrix*, H. Löw.
S.—Near Thor's cave.
- POTENTILLA REPTANS, LINN.
44. *Xestophanes potentillæ*, Retz.
D.—Thorpe ; Gag Lane ; Coldwall Bridge.
S.—Coldwall Bridge ; near Mayfield.
- ROSA SPINOSISSIMA, LINN.
45. *Rhodites eglanteriæ*, Hartig.
D.—Rodsley.
- ROSA MOLLIS, SM.
46. *Rhodites eglanteriæ*, Hartig.
S.—Near Blore ; Swallow Moor.
- ROSA TOMENTOSA, SM.
47. *Perrisia rosarum*, Hardy.
S.—Near Blore.
- ROSA CANINA, LINN.
48. *Rhodites eglanteriæ*, Hartig.
D.—Generally distributed.
S.—Recorded from several places.
49. *Rhodites rosæ*, Linn.
D.—Fairly frequent, Linn.
S.—In several places.
- 50.—*Rhodites rosarum*, Giraud.
S.—Blore.
51. *Perrisia rosarum*, Hardy.
D.—Common.
S.—Frequent.
- ROSA ARVENSIS, HUDS.
52. *Rhodites eglanteriæ*, Hartig.
D.—Coldwall Bridge ; The Roughs, Thorpe.
S.—Coldwall Bridge.
53. *Rhodites eglanteriæ*
and
54. *Perrisia rosarum* } have been found on some other
species of *Rosa* which have not
been identified.

PYRUS AUCUPARIA, Ehrh.

55. *Aphis Sorbi*, Kalt.
S.—Swallow Moor.

CRATÆGUS OXYACANTHA, LINN.

56. *Perrisia cratægi*, Winn.
D.—Common everywhere on the hedges.
S.—Common everywhere on the hedges.
57. *Aphis cratægi*, Buckton.
D.—Thorpe Mill ; Coldwall Bridge.
S.—Near Isaak Walton ; Coldwall Bridge.
58. *Eriophyes goniothorax*, Nal.
D.—Pasture Tops.
S.—Coldwall Bridge ; Stanton ; Musden Wood.

EPILOBIUM ANGUSTIFOLIUM, LINN.

59. *Perrisia Kiefferiana*, Rübs.
S.—Near Thor's cave.

EPILOBIUM HIRSUTUM, LINN.

60. Fungus causing swelling and twisting of stem.
D.—Thorpe Mill.

EPILOBIUM MONTANUM, LINN.

61. Fungus as on *E. hirsutum*.
D.—Dovedale.

EPILOBIUM PALUSTRE, LINN.

62. Buds aborted, covered with white hairs.
D.—Dovedale.
Similar buds on *E. hirsutum* by the Bletch Brook.

PIMPINELLA SAXIFRAGA, LINN.

63. Plant resembling Houard's description of the species when galled by *Aphis anthrisci*, Kalt., containing green Aphides with black cornicles, found August, 1913.
S.—Coldwall Bridge.

SAMBUCUS NIGRA, LINN.

64. Leaves curled at the margins, resemble the work of *Epitrimerus trilobus*, Nal.
D.—Lin Dale.
S.—Bunster.

VIBURNUM OPULUS, LINN.

65. Leaves curled and pouched. Concavities occupied by Aphides.
S.—Near Ilam.

LONICERA PERICLYMENUM, LINN.

66. *Siphocoryne xylostei*, Schrank.

D.—Bradley Wood.

S.—Brown Edge.

GALIUM VERUM, LINN.

67. *Perrisia galii*, H. Löw.

D.—Plentiful in 1913, not so noticeable in 1914.

S.—Bunster; Coldwall Bridge; Blore.

68.—*Perrisia gallicola*, H. Löw.

S.—Blore; Bunster.

69. *Eriophyes galii*, Karp.

D.—Dovedale.

70. *Trioza galii*, Förster.

D.—Dovedale; Gag Lane; Bradbourne; Brassington.

S.—Bunster; Musden Wood; Blore.

71. Flower heads in a dense mass, aborted. Caused by
.....?

D.—Brassington.

GALIUM SAXATILE, LINN.

72. *Eriophyes galii*, Karp.

S.—Blore.

GALIUM PALUSTRE, LINN.

73. *Perrisia hygrophila*, Mik.

D.—Dovedale; Harthill Moor; Hillside opposite
Thorpe Cloud station; Near Bradley Wood;
Yeldersley.

S.—Brown edge.

GALIUM APARINE, LINN.

74. *Eriophyes galii*, Karp.

D.—Dovedale; Hilltop south of Parwich.

S.—Coldwall Bridge; Foot of Bunster; near Ilam.

VALERIANA OFFICINALIS, LINN.

75. *Uromyces valerianæ*, Schum.

D.—Dovedale.

76.—Stem swollen and twisted into a spiral. Caused by
.....?

D.—Dovedale, three different years.

SCABIOSA COLUMBARIA, LINN.

77. *Eriophyes squalidus*, Nal.

D.—Dovedale.

ACHILLEA MILLEFOLIUM, LINN.

78. *Rhopalomyia millefolii*, H. Löw.

D.—In several places each year, but not noticed as
much in 1914 as previously.

S.—Coldwall Bridge ; Thorpe Mill ; Ilam ; Okeover ;
Musden Wood ; Leek Road, near Caltonmoor
House.

79. Flower head aborted, covered with a dense mass of
short white hairs, probably due to *Eriophyes*.
S.—Near Stanton.

ACHILLEA PTARMICA, LINN.

80. *Rhopalomyia ptarmicæ*, Vallot.
S.—Swallow Moor.

81. Aborted head, resembles Houard's description of
Clinorrhyncha millefolii, Wachtl.
S.—Brown Edge.

SENECIO JACOBÆA, LINN.

82. Stems and leaves swollen by a dark crimson fungus.
S.—Bunster.

CENTAUREA NIGRA, LINN.

83. *Urophora solstitialis*, Linn.
S.—Coldwall Bridge ; Ellastone.

84. *Læwiola centaureæ*, F. Löw.
S.—Ilam ; Musden Wood.

CENTAUREA SCABIOSA, LINN.

85. Small red pustules, possibly *Eriophyes centaureæ*, Nal.
D.—Drabber Tor.

HIERACIUM PILOSELLA, LINN.

86. Swelling on mid-rib, resembling galls caused by *Tylenchus*.
D.—Dovedale.

HYPOCHÆRIS RADICATA, LINN.

87. Heads aborted. *Perrisia* sp.
D.—Near Via Gellia.

CAMPANULA ROTUNDIFOLIA, LINN.

88. *Miarus campanulæ*, Linn.
D.—Dovedale, plentiful in one place, 1913.

89. *Perrisia trachelii*, Wachtl.
D.—Dovedale, plentiful in places, 1913, 1914.

FRAXINUS EXCELSIOR, LINN.

90. *Perrisia acrophila*, Winn.
S.—Okeover.

91. *Perrisia fraxini*, Kieff.
D.—Frequent.
S.—Frequent.

92. *Psyllopsiis fraxini*, Linn.
D.—Common.
S.—Common.

93.—*Eriophyes fraxini*, Karp.

D.—Thorpe Mill, scarce; Below Peveril Hotel; Buxton Road, just outside Ashbourne, scarce; used to occur in a garden in Thorpe in large quantities but the two trees infested with the mite were cut down in 1912.

VERONICA CHAMÆDRYS, LINN.

94. *Perrisia veronicæ*, Vallot.

D.—Abundant everywhere in the district.

S.—Abundant.

ORIGANUM VULGARE, LINN.

95. *Eriophyes origani*, Nal.

D.—Dovedale, near Reynard's cave, abundant.

S.—Bunster, very abundant.

NEPETA HEDERACEA, TREV.

96. *Aulax glechomæ*, Linn.

D.—Via Gellia. S.—Bunster.

97. *Oligotrophus bursarius*, Bremi.

D.—Generally abundant.

S.—Plentiful.

STACHYS PALUSTRIS, LINN.

98. *Perrisia* sp. Buds with white larvæ.

D.—Dovedale.

STACHYS SYLVATICA, LINN.

99. *Perrisia* sp. Terminal bud galls.

D.—Dovedale.

POLYGONUM AMPHIBIUM, LINN.

100. *Perrisia persicariæ*, Linn.

D.—Thorpe Mill; Thorpe Green; The Roughs, Thorpe; near Hinchley Wood.

S.—Coldwall Bridge.

BUXUS SEMPERVIRENS, LINN.

101. *Psylla buxi*, Linn.

D.—Ashbourne; Thorpe.

ULMUS GLABRA, HUDS.

102. *Schizoneura ulmi*, Linn.

D.—Fairly common.

S.—Coldwall Bridge; Ilam; Okeover.

103. *Tetraneura ulmi*, De Geer.

S.—Coldwall Bridge.

URTICA DIOICA, LINN.

104. *Perrisia urticæ*, Perris.

D.—Abundant. S.—Abundant.

JUGLANS REGIA, LINN.

105. *Eriophyes tristriatus* var *erinea*, Nal.
S.—Ilam.

BETULA ALBA, LINN.

106. *Eriophyes rudis*, Canest.
D.—Bradbourne.
S.—Ilam.

ALNUS ROTUNDIFOLIA, MILL.

107. *Eriophyes brevitarsus*, Nal.
D.—River bank below Thorpe.
108. *Eriophyes laevis*, Nal.
D.—Thorpe Mill.
S.—Ilam; Thorpe Mill.
109. *Eriophyes Nalepai*, Focken.
D.—Dovedale; River bank from Thorpe Mill to
Coldwall Bridge.
S.—Near Okeover.

CORYLUS AVELLANA, LINN.

110. *Eriophyes avellanae*, Nal.
D.—Generally distributed.
S.—Frequent: very conspicuous near Stanton, Sep-
tember, 1914.

QUERCUS ROBUR, LINN.

111. *Andricus autumnalis*, Hartig.
D.—Near Tissington.
S.—Musden Wood; near Stanton.
112. *Andricus callidoma*, Giraud.
S.—Mayfield; near Stanton, plentiful one year.
113. *Andricus collaris*, Hartig.
D.—Dovedale; Foot of Thorpe Cloud; Shirley;
Rodsley; Ednaston Lodge; Bradley Wood;
Pasture Tops; Tissington; Lea Hall; between
Thorpe and Mappleton, by the river.
S.—Stanton; Mayfield.
114. *Andricus corticis*, Hartig.
D.—Generally distributed.
S.—Fairly common.
115. *Andricus curvator*, Hartig.
D.—Common.
S.—Generally plentiful.
116. *Andricus fecundator*, Hartig.
D.—Common.
S.—Common.

117. *Andricus gemmatus*, Adler.
D.—Yeldersley. Only found once, but as the alternate form is fairly plentiful in the district this gall must occur in several localities.
118. *Andricus globuli*, Hartig.
D.—Yeldersley; Spendlane Farm; Bradley Wood.
119. *Andricus inflator*, Hartig.
D.—Yeldersley; Pasture Tops.
S.—Isaak Walton.
120. *Andricus marginalis*, Schl.
D.—Yeldersley.
S.—Near Stanton, 1908, 1913.
121. *Andricus ostreus*, Giraud.
D.—Found on almost every oak tree.
S.—Common.
122. *Andricus pilosus*, Adler.
D.—Bradley Wood. This record is based on an old catkin retaining halves of two galls which is all that I have seen, but as the alternative form (*A. fecundator*) is common this gall should be plentiful in the spring.
123. *Andricus radialis*, Fabr.
D.—Broadlow Ash; Clifton.
S.—Near Stanton; Mayfield; Isaak Walton.
124. *Andricus trilineatus*, Hartig.
D.—Dovedale; Yeldersley.
S.—Okeover Park.
125. *Andricus verrucosus*, Schenck.
D.—Ednaston Lodge.
S.—Near Stanton.
126. *Biorrhiza aptera*, Bosc.
D.—Rodsley; Edlaston.
S.—Near Stanton; Mayfield.
127. *Biorrhiza pallida*, Oliv. (= *Teras terminalis*, Fabr.)
D.—Yeldersley; Bradley Wood; Clifton.
S.—Stanton; Ilam.
128. *Cynips Kollari*, Hartig.
D.—Common.
S.—Common.
129. *Dryophanta agama*, Hartig.
D.—Yeldersley, rare.
130. *Dryophanta disticha*, Hartig.
D.—Yeldersley.

- S.—Near Stanton, plentiful in 1908 but the bushes on which it grew were cut down and I have not seen the gall in that neighbourhood since.
131. *Dryophanta divisa*, Hartig.
D.—Bradley Wood; Stanton Moor; Yeldersley; Ednaston Lodge.
S.—Stanton, abundant in 1908 on the same bushes as the last species, but now rather scarce. Also found near Mayfield; Ramshorn; Blake Brook.
132. *Dryophanta folii*, Linn.
S.—Musden Wood.
133. *Dryophanta longiventris*, Hartig.
D.—Bradley Wood; Yeldersley; Dove Valley, between Thorpe and Mappleton.
S.—Near Stanton; Wootton Park.
134. *Dryophanta similis*, Adler.
D.—Bradley Wood.
135. *Dryophanta Taschenbergi*, Schl.
D.—Bradley Wood.
136. *Neuroterus allbipes*, Schenck.
D.—Bradley Wood.
137. *Neuroterus aprilinus*, Giraud.
D.—Yeldersley.
S.—Okeover Park; Wootton Park; near Stanton.
138. *Neuroterus baccarum*, Linn.
D.—Bradley Wood; Yeldersley; Pasture Tops.
139. *Neuroterus fumipennis*, Hartig.
D.—Dovedale; Thorpe Mill; Bradley Wood; Yeldersley, plentiful; Stanton Moor.
S.—Okeover Park; near Stanton; Musden Wood.
140. *Neuroterus laeviusculus*, Schenck.
D.—Bradley Wood; Pasture Tops; Ednaston Lodge; Yeldersley.
S.—Near Stanton; near Mayfield.
141. *Neuroterus lenticularis*, Oliv.
D.—Abundant in many places. The ground in Bradley Wood in October, 1914, was covered with them.
S.—Plentiful.
This species does not seem to occur on as many trees as *Andricus ostreus*, Giraud, but where it does occur it is much more numerous.
142. *Neuroterus numismatis*, Oliv.
D.—Abundant in many places.

- S.—Abundant near Stanton, Mayfield, Musden Wood, and Okeover Park.
143. *Neuroterus tricolor*, Hartig.
D.—Bradley Wood; Yeldersley.
144. *Neuroterus vesicator*, Schl.
D.—Bradley Wood; Kniveton; Yeldersley; Snels-ton; Pasture Tops; Dove Valley, between Thorpe and Mappleton.
S.—Near Stanton; Musden Wood.
- 145.—*Trigonaspis megaptera*, Panzer. (*T. crustalis*, Hartig.)
D.—Bradley Wood.
S.—Near Stanton; Musden Wood.
146. *Trigonaspis renum*, Giraud.
D.—Ednaston Lodge.
S.—Near Stanton; Mayfield.
147. *Macrodiplosis dryobia*, F. Löw.
S.—Musden Wood.
148. *Nacrodiplosis volvens*, Kieff.
D.—Yeldersley; Bradley Wood.

FAGUS SYLVATICA, LINN.

149. *Oligotrophus annulipes*, Hartig.
D.—Bradley Wood; Yeldersley.

SALIX TRIANDRA, LINN.

150. *Pontania proxima*, Lepel.
D.—Tissington; Thorpe.
151. *Cryptocampus saliceti*, Fall.
D.—River bank below Thorpe.
152. *Oligotrophus capreae*, Winn.
D.—Hinchley Wood; Coldwall Bridge.
153. *Perrisia marginem torquens*, Winn.
D.—Several places.
S.—Near Blore.
154. *Rhabdophaga heterobia*, H. Löw.
D.—River bank below Thorpe.
S.—Near Blore.
155. *Rhabdophaga rosaria*, H. Löw.
D.—Thorpe; River bank below Thorpe; Woodeaves Mill.
156. Midge gall in bud—yellow larva.
D.—Thorpe Mill.
157. Midge gall in bud—orange yellow larva, different shape to the last species.
D.—Thorpe Mill.

SALIX FRAGILIS, LINN.

158. *Pontania proxima*, Lepel.
D.—Abundant in many places.
S.—Swallow Moor; Foot of Bunster.
159. *Cryptocampus testaceipes*, Zadd.
S.—Swallow Moor; Blake Brook.
160. Sawfly gall on petiole, or mid-rib, larva pale green
with black head.
D.—Pasture Tops.
161. *Perrisia marginem torquens*, Winn.
S.—Near Blore.
162. *Perrisia terminalis*, H. Löw.
S.—Swallow Moor.
163. *Rhabdophaga heterobia*, H. Löw.
D.—Rodsley.
164. *Rhabdophaga rosaria*, H. Löw.
D.—Rodsley.
165. *Eriophyes* sp. Long marginal rolls.
D.—Near Bradley Wood.

SALIX ALBA, LINN.

166. *Pontania proxima*, Lepel.
D.—In several places.
167. Petiole gall (see No. 160 above).
D.—Pasture Tops.
168. *Perrisia Inehbaldiana*, Mik.
D.—Wash Brook; Pasture Tops; Hinchley Wood;
Bradbourne Mill.
169. *Rhabdophaga rosaria*, H. Löw.
D.—Same four localities as the last species.
170. Mid-rib midge gall, resembles *Rhabdophaga nervorum*,
Kieff.
D.—Bradbourne Mill.
171. Twig gall, midge larva, resembles figures and descrip-
tion of *Rhabdophaga Karschi*, Kieff.
D.—Pasture Tops.
- 172.—*Eriophyes* sp.
D.—Bradbourne Mill; Thorpe Cloud station; Pas-
ture Tops; Woodeaves.

SALIX PURPUREA.

173. *Pontania salicis*, Christy.
D.—Hinchley Wood.
174. *Rhabdophaga heterobia*, H. Löw.
D.—Hinchley Wood.

SALIX PURPUREA, VAR.

175. *Pontania salicis*, Christy.
D.—Narrowdale; below Thorpe Mill to Coldwall Bridge.
S.—Milldale.
Very abundant some years, scarce in others.
176. *Cryptocampus saliceti*, Fall.
D.—River bank above Coldwall Bridge.

SALIX VIMINALIS, LINN.

177. *Pontania proxima*, Lepel.
D.—Rodsley.
178. *Perrisia marginem torquens*, Winn.
D.—Common wherever the plant occurs.
S.—Common in several places.

SALIX CAPREA, LINN.

179. *Pontania Bridgmani*, Cam.
D.—Snelston; near Redhouse Farm; Thorpe.
S.—Near Blore.
180. *Pontania proxima*, Lepel.
D.—Yeldersley; Parwich Hill; Rodsley; Kniveton; near Redhouse Farm.
181. *Cryptocampus venustus*, Zadd.
D.—Rodsley; Snelston; Parwich Hill; Ednaston Lodge.
S.—North of Ilam two localities.
182. *Oligotrophus capreae*, Winn.
D.—Snelston; Ednaston Lodge; Hinchley Wood; Redhouse Farm.
S.—Near Blore.
183. *Perrisia marginemtorquens*, Winn.
S.—Ecton.
- 184.—*Twig* gall resembling that of *Radophaga albipennis*, Winn.
D.—Parwich Hill.
185. *Rhadophaga heterobia*, H. Löw.
S.—Near Blore.
186. *Rhadophaga rosaria*, H. Löw.
S.—Near Blore; near Wetton.
187. *Rhadophaga salicis*, Schrank.
D.—Yeldersley.

SALIX CAPREA X CINEREA.

188. *Pontania Bridgmani*, Cam.
D.—Ednaston Lodge.

189. *Cryptocampus saliceti*, Fall.
D.—Thorpe.

SALIX AURITA, LINN.

190. *Pontania proxima*, Lepel.
S.—Ramshorn.
191. *Oligotrophus capreae*, Winn.
S.—Ramshorn.
192. Female catkins persisting, aborted, galled by midge
D.—Yeldersley. [larvæ.

SALIX AURITA X CINEREA.

193. *Pontania proxima*, Lepel.
D.—Parwich Hill.
194. Female catkins persisting, aborted, galled by midge
larvæ.
D.—Yeldersley.

SALIX CINEREA, LINN.

195. *Pontania Bridgmani*, Cam.
D.—Thorpe Mill; Ednaston Lodge.
S.—Stanton.
196. *Pontania pedunculi*, Hartig. = *N. bellus*, Zadd.
D.—Bradbourne Mill; Thorpe.
197. *Pontania proxima*, Lepel.
D.—Redhouse Farm; Kniveton; Parwich Hill;
Yeldersley; Bradbourne Mill; Bradley Wood;
Pasture Tops.
198. *Pontania salicis*, Christy.
S.—Swallow Moor.
199. *Cryptocampus ater*, Jurine.
D.—Thorpe Mill.
200. *Cryptocampus saliceti*, Fall.
D.—Thorpe; Pike House; Parwich Hill; Ednaston
Lodge; near Bradley Wood.
S.—Foot of Bunster.
201. *Cryptocampus venustus*, Zadd.
D.—Ednaston Lodge.
202. *Oligotrophus capreae*, Winn.
D.—Generally distributed round the district.
S.—Swallow Moor; Musden Wood; Isaak Walton;
near Blore.
203. ? *Rhabdophaga albipennis*, Winn.
D.—Pike House; Parwich Hill.
204. *Rhabdophaga heterobia*, H. Löw.
D.—Thorpe; Dovedale.

- 205.—*Rhabdophaga nervorum*, Kieff.
D.—Foot of Thorpe Cloud.
206. *Rhabdophaga rosaria*, H. Löw.
D.—Dovedale; Thorpe Mill.
207. *Rhabdophaga saliciperda*, Dufour.
D.—Thorpe Mill.
S.—Foot of Bunster.
208. *Rhabdophaga salicis*, Schrank.
D.—Foot of Thorpe Cloud; Thorpe Mill.
S.—Foot of Bunster; Stanton.
- 209, 210, 211, 212. There are three other kinds of galls on the twigs and one on the petiole occupied by midge larvæ which I have not been able to identify
213. *Eriophyes tetanothrix*, Nal.
D.—Thorpe Mill; Foot of Thorpe Cloud; Pasture Tops.
- I have found leaves of the following species of *Salix* rolled and sometimes occupied by Sawfly larvæ, but the insects have not been determined:—
Salix alba, *cinerea*, *fragilis*, *purpurea*.

POPULUS TREMULA, LINN.

214. *Contarinia* sp.
S.—River bank, between Coldwall Bridge and Oke-
215. *Phyllocoptes populi*, Nal. [over.
S.—Musden.
216. Leaves aborted and curled, thickly inhabited by
Aphides.
S.—Stanton.

TAXUS BACCATA, LINN.

217. *Oligotrophus taxi*, Inchbald.
D.—Dovedale.
S.—Blöre; Ellastone.
218. *Eriophyes psilaspis*, Nal.
D.—Dovedale.

LARIX EUROPEA, D.C.

219. *Adelges strobilobius*, Kalt.
D.—Near Grange Mill.

PICEA EXCELSA, Link.

220. *Adelges abietis*, Kalt.
D.—Near the Lathkill Valley; Thorpe; Bradley
Wood.
S.—Between Coldwall Bridge and Okeover; Alstone-
field.

Similar galls occur on introduced trees of other species
in Okeover Park.

AGROPYRON REPENS, BEAUV.

221. *Chlorops taeniopus*, Meigen.
D.—Near Bradley Wood; Thorpe.
S.—Ilam.

PTERIS AQUILINA, LINN.

222. *Perrisia filicina*, Kieff.
D.—Near Bradley Wood; Yeldersley.
S.—Musden Wood.
- 223.—*Anthomyia signata*, Brischke.
D.—Yeldersley (determination made from old galls).
S.—Musden Wood.

LASTREA FILIX-MAS, PRESL.

224. *Anthomyia signata*, Brischke.
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