

TRANSACTIONS  
OF THE  
BISHOP'S STORTFORD & DISTRICT  
NATURAL HISTORY SOCIETY

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VOL. I  
LIST OF  
**VASCULAR PLANTS**  
OF  
BISHOP'S STORTFORD AND DISTRICT

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COMPILED BY MEMBERS OF THE SOCIETY

**1952**

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VOL. I                  PART II

THE VASCULAR PLANTS OF  
BISHOP'S STORTFORD AND DISTRICT

1952

## FOREWORD

WHEN our Society was founded in 1935 it was decided that our "district" should comprise the area included by a circle having a radius of six miles centred on the Corn Exchange, Bishop's Stortford. This area includes the following villages and hamlets:

Albury	Hatfield Broad Oak	Quendon
Berden	Hatfield Heath	Rickling
Birchanger	Henham	Sawbridgeworth
Braughing	High Wych	Sheering
Elsenham	Little Hadham	Standon
Farnham	Little Hallingbury	Stocking Pelham
Furneux Pelham	Manuden	Takeley
Gilston	Much Hadham	Ugley
Great Hallingbury	Patmore Heath	Widford

Over much of this area the soil is boulder clay; this is the home of the Oxlip, *Primula elatior*, and in many of our woods it occurs in great abundance and provides a most beautiful sight in April. Where the chalk nears the surface or crops out, typically lime-loving plants are found in limited numbers. The dominant trees are oak and hornbeam.

Up to the present (1950) some parts of this area have not been thoroughly hunted and there are gaps in our knowledge of some Orders, especially *Cyperaceae*. The list must therefore be regarded as only a tentative one. A number of species not included are known to occur just outside our district. When the whole area has been thoroughly worked it is likely that a number of additions will have to be made.

The list has been compiled by the following members of our Society to which their ciphers are appended:

B. J. Adams (As)	H. J. Holmes (Hs)
P. B. M. Allan (An)	Mrs. Kedge (Kg)
R. D. Anstead (Ad)	J. Killick (Kk)
C. S. Colman (Cn)	N. Monk-Jones (MJ)
C. Craufurd (Cd)	Miss L. W. Laverick (Lk)
E. G. Eagling (Eg)	W. E. Palmer (Pr)
Miss M. Elliot (Et)	Miss Rawlins (Rs)
Mrs. N. Ferguson (Fn)	Miss Turner (Tr)
A. E. Hick (Hk)	

The discovery in our district of species not in this list should be notified *with specimens* to Mr. R. D. Anstead, 5 Maple Avenue, Bishop's Stortford.

The nomenclature adopted in this list is that in the *Check-List of British Vascular Plants* compiled by Prof. A. R. Clapham and issued by the British Ecological Society in 1946 (*Journal of Ecology*, 333, pp. 308 seq.).

Where the botanical name of a plant is followed by "agg." it indicates that the species has now been broken up by some authorities into a number of sub-species and varieties whose claim to specific rank is not always generally conceded. A more critical determination of these has not yet been possible in our area, and more intensive study of them is required.

31st December, 1950.



#### Ranunculaceae

1. *Clematis vitalba* L. : TRAVELLER'S JOY  
Ubiquitous throughout our district, in hedgerows and woods. Occasionally attains a large size with thick "liana-like" stems.
2. *Thalictrum flavum* L. : YELLOW MEADOW RUE  
First found 10.vii.20 in meadows by Rye Street and specimens brought from there since (Cn). Also in meads by the River Stort.
3. *Anemone nemorosa* L. : WOOD ANEMONE  
Very common in all woods in our district, spreading into grassland on the verges. Whenever woods are coppiced and the light let in the anemones spread very rapidly and soon make a complete ground cover.
4. *Adonis annua* L. : PHEASANT'S EYE  
Found once only, 1938 (Kg).
5. *Ranunculus fluitans* agg. : WATER CROWFOOT  
Common in ponds and streams. This plant has many forms which have been distinguished as species. The local forms need further study.
6. *Ranunculus flammula* L. : LESSER SPEARWORT  
Not very common. Woodside Green (Cn); Hatfield Forest; by the Stort and canal, and occasionally in other wet places.
7. *Ranunculus ficaria* L. : LESSER CELANDINE (PILEWORT)  
One of our commonest Spring flowers, occurring throughout the district.
8. *Ranunculus sceleratus* L. : CELERY-LEAVED CROWFOOT  
Frequent in our district in wet places. Bury Green in quantity, 1939-40 (Ad); Hatfield Forest, in the swamp.
9. *Ranunculus auricomus* L. : WOOD CROWFOOT (GOLDBLOCKS)  
Frequent in our district in woods and shady hedgerows. Usually with deformed petals, but with complete corolla—Bury Green Lane, 1939 (Ad).
10. *Ranunculus acris* L. : MEADOW BUTTERCUP  
Plentiful everywhere in grasslands and by roadsides.
11. *Ranunculus repens* L. : CREEPING BUTTERCUP  
Common in our district, often a troublesome garden weed. Favours damp places. The glades in Stocking Plantation are carpeted with it.

12. *Ranunculus bulbosus* L. : BULBOUS BUTTERCUP  
Plentiful in grasslands. In some fields in this district it makes very striking carpets of bloom in early Spring.

13. *Ranunculus parviflorus* L. : SMALL-FLOWERED CROWFOOT  
London Bridge in Hatfield Forest, 1936. It has now (1949) spread over a large area there beside Elgin Coppice.

14. *Ranunculus arvensis* L. : CORN CROWFOOT  
Common in cornfields throughout our district.

15. *Caltha palustris* L. : MARSH MARIGOLD (KINGCUPS)  
Occasional and widespread in wet places, but not in large quantities. Birchanger; by the Stort and canal; Hatfield Forest.

16. *Helleborus viridis* L. : GREEN HELLEBORE  
"Specimens brought to me from Takeley Woods by L. J. Bacon, 11.v.29" (Cn). Frequently grown in gardens.

17. *Aconitum anglicum* Stapf : MONKSHOOD  
A long-established clump of this plant on the river bank above Pinchpools, Manuden, may be considered wild (An).

#### Berberidaceae

18. *Berberis vulgaris* L. : COMMON BARBERRY  
Only one shrub of this is known in our district, in a hedge between Parsonage Lane and Birchanger. It will probably be destroyed as the site is now a building area.

#### Nymphaeaceae

19. *Nuphar lutea* (L.) Sm. : YELLOW WATERLILY  
In the Stort and canal and their backwaters.

#### Papaveraceae

20. *Papaver rhoeas* L. : COMMON RED POPPY  
Very frequent in cornfields and by roadsides.

21. *Papaver dubium* L. : LONG SMOOTH-HEADED POPPY  
Scarce. Waste ground off Maple Avenue, 1940 (Cn).

22. *Chelidonium majus* L. : CELANDINE  
Foxdells, 1938; Quendon, 1938; Manuden, 1938; Wallbury Dells, 1942.

#### Fumariaceae

23. *Corydalis lutea* (L.) DC. : YELLOW CORYDALIS  
Quite frequent but probably always a garden escape and not truly wild. It is very commonly grown in cottage gardens throughout our district.

24. *Fumaria officinalis* L. : COMMON FUMITORY  
Frequent in our district. This plant needs more careful study as there are quite possibly other species to be found.

#### Cruciferae

25. *Nasturtium officinale* R.Br. : WATERCRESS  
Common throughout the district in ditches and streams.

26. *Nasturtium sylvestris* (L.) Besser : CREEPING YELLOW CRESS  
In Meadowdyke garden, Maze Green Road, as a persistent weed (Cn). Found nowhere else.

27. *Nasturtium islandica* (Oeder) Borbás : MARSH WATERCRESS  
By the canal near London Bridge, Bishop's Stortford, 1940; Sawbridgeworth, 1938; Rickling, 1938.

28. *Nasturtium amphibia* (L.) Besser : GREAT WATERCRESS  
On the lock gates at Spellbrook, 1938 (Ad); on waste ground by London Bridge, Bishop's Stortford, 1941 (Ad).

29. *Barbarea vulgaris* R.Br. : COMMON WINTER CRESS (YELLOW ROCKET)  
Common throughout our district. Occurs in Hatfield Forest.

30. *Cardamine pratensis* L. : LADY'S SMOCK (CUCKOO FLOWER)  
Plentiful everywhere. A double-flowered variety was found at Hatfield Forest in 1947.

31. *Cardamine hirsuta* L. : HAIRY BITTERCRESS  
A common weed in gardens and cultivated areas.

32. *Erophila verna* (L.) Chevall. : WHITLOW GRASS  
Rare in our district and reported from one locality only: Hatfield Forest, 1936 (Cn), 1941 (Ad).

33. *Armoracia lapathifolia* Gilib. : HORSERADISH  
Frequent by roadsides and in waste places. Probably usually a garden escape.

34. *Arabidopsis thaliana* (L.) Heynh. : THALECRESS (WALLCRESS)  
Occasional. Twyford Road, 1938 (As); railway-bank near foot-  
bridge, Bishop's Stortford, 1941 (Ad); level-crossing, Birchanger foot-  
path, 1944 (Ad).

35. *Sisymbrium officinale* (L.) Scop. : HEDGE MUSTARD  
Very common throughout our district.

36. *Descurainia sophia* (L.) Prantl : FLIXWEED  
Found in one place only, the waste ground between the gasworks  
and the canal (Cn); 1940 (Ad); 1941 (Ad), (Cn).

37. *Alliaria petiolata* (Bieb.) Cavara & Grande: GARLIC MUSTARD  
Ubiquitous throughout our district.

38. *Erysimum cheiranthoides* L. : TREACLE MUSTARD  
Found in one locality only: Wickham Hall farm near the Farn-  
ham road. First reported in 1944 and seen each year since then.

39. *Brassica oleracea* L. : WILD CABBAGE  
Common throughout our district, being often cultivated.

40. *Brassica campestris* L. : FIELD CABBAGE  
Stacey's Farm, 1939; field by Hadham road rifle butts, 1940 (Ad).

41. *Brassica nigra* (L.) Koch : COMMON MUSTARD  
In rough ground near the town; but birds probably carry the seed,  
as this plant is commonly cultivated as a green dressing crop.

42. *Capsella bursa-pastoris* (L.) Medic. : SHEPHERD'S PURSE  
One of the commonest weeds throughout the district.

43. *Coronopus squamatus* (Forsk.) Aschers. : WARTCRESS  
(SWINE'S CRESS)  
An uncommon plant in our district, though it may possibly be  
frequently overlooked. Manuden, 1938 (Ad); the College upper field,  
1946 (Cn).

44. *Lepidium sativum* L. : CRESS  
This plant appeared as a weed in Mr. Sutton's garden, Maze  
Green road, in July 1942.

45. *Cardaria draba* (L.) Desv. : HOARY CRESS  
This plant appears to be spreading and becoming quite common.  
Twyford level-crossing, 1938 (As); Maple Avenue, 1939 (Ad); waste  
ground by the river, 1941 (Ad); Cricketfield Lane, 1944 (Hk).

46. *Thlaspi arvense* L. : PENNY-CRESS (MITHRIDATE MUSTARD)  
First recorded 16.vi.21 in the College grounds (Cn). Seen again  
in the same place, 1940-1947 (Cn). By the wall of the gasworks, on the  
canal towing-path, 1941 (Ad), (Cn).

47. *Raphanus raphanistrum* L. : WILD RADISH  
A common weed of cultivation throughout our district.

#### Resedaceae

48. *Reseda luteola* L. : DYER'S ROCKET (YELLOW WEED, WELD)  
Occasional; usually on chalky soil. Hatfield Forest, 1939 (Ad);  
Wallbury Dells, 1939; Manuden, in a gravel pit, 1948 (Hk).

#### Cistaceae

49. *Helianthemum nummularium* (L.) Mill. : COMMON ROCKROSE  
This plant occurs occasionally in our district where the chalk  
actually appears on the surface and is strictly confined to such places.  
By the footpath by Cherry Cottages near the Farnham road; Little  
Hadham Farm, 1941 (Ad); near Broome Wood, 1948 (Et).

#### Violaceae

50. *Viola odorata* L. : SWEET VIOLET  
The blue-flowered sweet violet is quite rare in our district, but  
the white-flowered variety is very common everywhere in hedgerows.

51. *Viola hirta* L. : HAIRY VIOLET  
Only once recorded: Hatfield Forest (MJ). This plant probably  
does occur, however, in our district but escapes notice. A more diligent  
search for it is required.

52. *Viola canina* L. : DOG VIOLET  
Very frequent throughout the district. Particularly fine displays  
of it are to be seen in woods such as Canfield Hart. It varies very  
much in the colour and markings of the flowers and has been divided  
by some authorities into a number of different species. For lack of  
study of these variations found locally all are included under the above  
name.

53. *Viola tricolor* agg. : HEARTSEASE

A common cornfield weed throughout our district. This again has several different varieties some of which have been given specific rank.

**Polygalaceae**

54. *Polygala vulgaris* L. : COMMON MILKWORT

Quite frequent in our district wherever the chalk nears the surface. Both white and blue varieties are commonly found and occasionally the red form. Hatfield Forest; Farnham gravel pit; Tom Wood's Pasture, and elsewhere.

**Caryophyllaceae**

55. *Dianthus armeria* L. : DEPTFORD PINK

In one locality only: Bishop's Stortford golf links, 1942 (Hs), and each year since then.

56. *Silene cucubalus* Wibel : BLADDER CAMPION  
Common throughout our district.

57. *Silene gallica* agg. : ENGLISH CATCHFLY

Rare. Reported only once, from the College playing-fields, 1941 (As).

58. *Melandrium noctiflorum* (L.) Fr. : NIGHT-FLOWERING  
CATCHFLY

Occasional. Piggot's Farm in a cornfield, 1940 (As); plentiful at Thorley, 1941 (As).

59. *Melandrium album* (Mill.) Garcke : WHITE CAMPION

Very common throughout our district, especially in cornfields. Increasing in frequency as the soil becomes chalky on the Cambridge side.

60. *Melandrium dioicum* (L.) Coss. & Germ. : RED CAMPION  
Ubiquitous throughout our district.

61. *Lychnis flos-cuculi* L. : RAGGED ROBIN

Frequent in wet places. Brewery Fields; Broome Wood (An); Patmore Wood, Albury (An); Thorley Wash; Birchanger.

62. *Agrostemma githago* L. : CORN COCKLE

Now very rare and seldom seen in our district from which it seems to have disappeared. The last time it was recorded was in 1938 (Cd).

63. *Cerastium vulgatum* L. : MOUSE-EAR CHICKWEED  
A ubiquitous weed.

64. *Cerastium arvense* L. : FIELD CHICKWEED  
Manuden; Rickling, 1938; in fields by the canal, etc.; Patmore Heath, 1950.

65. *Myosoton aquaticum* (L.) Moench : WATER STITCHWORT  
Frequent by the canal and its backwaters and apparently spreading.

66. *Stellaria media* (L.) Vill. : CHICKWEED  
Plentiful everywhere.

67. *Stellaria holostea* L. : GREATER STITCHWORT  
Plentiful everywhere.

68. *Stellaria graminea* L. : LESSER STITCHWORT  
Very common throughout the district.

69. *Arenaria verna* L. : VERNAL SANDWORT  
Not common. Reported from Hatfield Forest, 1939 (Tr).

70. *Arenaria trinervia* L. : THREE-NERVED SANDWORT  
A very common plant in our district in hedgerows and woods.

71. *Arenaria serpyllifolia* L. : THYME-LEAVED SANDWORT  
On a wall at Manuden (Cn); Farnham gravel-pit at the base of a chalk cliff, 1944 (Ad); garden paths, Maple Avenue (Ad).

72. *Sagina procumbens* L. : PROCUMBENT PEARLWORT  
Common everywhere in waste and stony places. Often found on garden paths and rockeries.

73. *Spergularia rubra* (L.) J. & C. Presl : PURPLE SANDWORT  
Rare. Seen once or twice on gravel paths in the College grounds (Cn).

#### Portulacaceae

74. *Claytonia perfoliata* Willd. : PERFOLIATE CLAYTONIA  
Doubtfully wild in our district. It appeared in a garden at No. 88 Hadham Road in 1940-41 (Fn); also in a garden at Meadowdyke, Maze Green Road, some years ago (Cn).

75. *Montia fontana* L. : WATER BLINKS  
Patmore Heath, 1950 (Ad).

#### Tamaricaceae

76. *Tamarix gallica* L. : TAMARISK  
In gardens only; not wild in our district.

#### Hypericaceae

77. *Hypericum perforatum* L. : PERFORATED ST. JOHN'S WORT  
Plentiful everywhere.

78. *Hypericum quadrangulum* L. : SQUARE-STALKED ST. JOHN'S WORT  
Frequent in woods in our district. Stocking Plantation; Thorley Wood; Hatfield Forest, etc.

79. *Hypericum pulchrum* L. : SLENDER ST. JOHN'S WORT  
Common everywhere in the district.

80. *Hypericum hirsutum* L. : HAIRY ST. JOHN'S WORT  
Frequent in woods in our district. Thorley Wood; Canfield Hart; Hatfield Forest, etc.

#### Malvaceae

81. *Malva moschata* L. : MUSK MALLOW  
Plentiful, especially on chalky soil. A white-flowered variety is sometimes found: Farnham chalk-pit, 1939-49.

82. *Malva sylvestris* L. : COMMON MALLOW  
A common roadside plant throughout the district.

83. *Malva rotundifolia* L. : DWARF MALLOW  
Occasional but probably overlooked.

84. *Abutilon indicum*. G. Don.

An introduced plant which appeared in a garden in Stansted Road in 1942 (Hk). On an allotment in Rye Street in 1943 (Cd). On an allotment near the Red White and Blue inn in 1945 and 1949 (Cd).

85. *Hibiscus trionum* L.

A weed of cultivated and waste places, very common in cornfields in E. Europe and thus imported into Britain with corn, appearing sporadically where corn siftings are thrown. Wickham Hall Farm in a field of lucerne, 1949 (Cd).

#### Tiliaceae

86. *Tilia vulgaris* Hayne : LIME  
Not wild, but many avenues have been planted with it in the town.

#### Linaceae

87. *Linum catharticum* L. : CATHARTIC FLAX  
Very common on chalky soil in our district. Farnham gravel-pit; Randall's Farm, Takeley; Hatfield Forest, etc.

88. *Linum bienne* Mill. : NARROW-LEAVED FLAX  
Upper Field, the College grounds, 1909 (Cn). Not reported since then.

#### Geraniaceae

89. *Geranium sanguineum* L. : BLOODY CRANE'S-BILL  
Found in our district once only, at Pedler's Green (MJ).

90. *Geranium versicolor* L.  
A garden escape; found in two places at Hockerill in 1946.

91. *Geranium phaeum* L. : DUSKY CRANE'S-BILL  
Doubtfully wild in our district; reported once only, from a railway bank in 1938 (Tr).

92. *Geranium pyrenaicum* Burm. f. : MOUNTAIN CRANE'S-BILL  
Quite common in our district: by the railway embankments and along the canal, roadsides, etc. It is replaced northwards by a pale flowered variety.



93. *Geranium molle* L. : DOVE'S-FOOT CRANE'S-BILL  
Very common throughout the district.

94. *Geranium pusillum* L. : SMALL-FLOWERED CRANE'S-BILL  
Very occasional; Prime's Farm (Cn).

95. *Geranium dissectum* L. : CUT-LEAVED CRANE'S-BILL  
Frequent throughout the district.

96. *Geranium robertianum* L. : HERB ROBERT  
One of our commonest plants, occurring throughout the district.

97. *Erodium cicutarium* agg. : HEMLOCK STORK'S-BILL  
Occasional only, near Wickham Hall, 1922-1949.

#### Oxalidaceae

98. *Oxalis acetosella* L. : COMMON WOOD SORREL  
Not very frequent but grows sparingly in woods in our district.  
Hatfield Forest; Birchanger Wood; Bloodhound's Wood; Planting's  
Wood; Canfield Hart; Alsa Wood in quantity.

99. *Oxalis corniculata* L. : YELLOW WOOD SORREL  
A common weed in gardens from which it sometimes spreads.  
Not truly wild in our district.

#### Balsaminaceae

100. *Impatiens parviflora* DC. : SMALL-FLOWERED BALSAM  
Occasional. In the grounds of the Nursing Home at Stansted,  
1940; Stansted old chalk-pit, 1947 (MJ); as a weed in "Meadow Dyke"  
and other Maze Green Road gardens, 1941 (Cn).

#### Aquifoliaceae

101. *Ilex aquifolium* L. : HOLLY  
Very common in all woods in our district.

#### Celastraceae

102. *Euonymus europaeus* L. : SPINDLE-TREE  
Quite frequent in woods and hedges in our district.

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#### Rhamnaceae

103. *Rhamnus catharticus* L. : BUCKTHORN  
Fairly frequent in hedges and woods in our district. Hatfield  
Forest.

#### Aceraceae

104. *Acer pseudo-platanus* L. : SYCAMORE  
Occasional only; not a common tree in our district. Stocking  
Plantation; by the new water reservoir; Pinchpools, Manuden.

105. *Acer campestre* L. : COMMON MAPLE  
Very common throughout our district both in woods and hedges.

106. *Acer platanoides* L. : NORWAY MAPLE  
Very frequently planted in the town. Maple Avenue, etc. It is  
one of the earliest trees to come into flower and leaf in the Spring.  
The clear gold of the leaves add much to the display of tints in the  
autumn. A variety, *schwedlerii*, forms a clump behind the Red White  
and Blue inn on the Manuden road.

107. *Acer negundo* L. : ASH-LEAVED MAPLE  
A North American species often planted in gardens in the town.  
Little Hadham Road (Kg).

#### Hippocastanaceae

108. *Aesculus hippo-castanum* L. : HORSE CHESTNUT  
A very common tree throughout our district both planted in gar-  
dens and avenues and woods. The red-flowered Chestnut (*A. rubi-  
cunda*) is also frequent in gardens and by roadsides. A specimen of  
*Aesculus octandra*, the SWEET BUCK-EYE, grows near the Shell House  
in Hatfield Forest.

#### Leguminosae

109. *Laburnum anagyroides* Medic. : LABURNUM  
Common in gardens; also in coppices by the Manuden road near  
Hazel End, but not truly wild.

110. *Genista tinctoria* L. : DYER'S GREENWEED  
Not frequent, but in scattered places. Brewery Fields for many  
years; Tom Wood's Pasture, 1941 (this was ploughed up in 1944);  
Golf Course (Hs).

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111. *Ulex europaeus* L. : GORSE, FURZE

Not a common plant in our district but seen occasionally by roadsides between Stortford and Stansted and also at Takeley, but probably planted in both places. Waste ground near Cherry Gardens.

112. *Sarothamnus scoparius* (L.) Koch : COMMON BROOM

Not common in our district but in scattered spots. Ugley, outside Broome Wood (An); Wallbury Dells (Ad).

113. *Ononis repens* L. : REST HARROW

Frequent by roadsides. Prime's Farm; Hadham Road near the Green Man; Farnham gravel-pit; Thorley, by the river; Rickling, etc. Always the spineless variety in our district.

114. *Medicago sativa* L. : LUCERNE

Frequent in cultivation and often as an escape by roadsides.

115. *Medicago falcata* L. : YELLOW SICKLE MEDICK

Occasional only. Waterworks Lane, 1942 (Cn); grassfields above Pinchpools, Manuden (An).

116. *Medicago lupulina* L. : BLACK MEDICK (NONSUCH)

Plentiful everywhere.

117. *Melilotus officinalis* (L.) Lam. : FIELD MELILOT

Common throughout the district.

118. *Melilotus alba* Medic. : WHITE MELILOT

Occasional only. First recorded in 1920 and occasionally since then. Sawbridgeworth, near the railway bridge, 1940 (Ad). Sometimes in cultivated fields with lucerne.

119. *Trifolium pratense* L. : PURPLE CLOVER

Ubiquitous throughout the district.

120. *Trifolium ochroleucon* Huds. : SULPHUR CLOVER

Quite frequent by roadsides and hedgerows throughout the district.

121. *Trifolium incarnatum* L. : CRIMSON CLOVER

Very occasional, in cultivated grass and clover leys. In a field of rye-grass and clover by Plantings Wood, 1944 (Ad).

122. *Trifolium arvense* L. : HARE'S-FOOT TREFOIL

Very occasional and quite a rarity in our district. Gravel-pit, Hallingbury road, by the railway bridge, 1939 (Ad); Stansted road (Et).

123. *Trifolium hybridum* L. : ALSIKE CLOVER

Very scarce; a rarity in our district. Stansted road (Et).

124. *Trifolium repens* L. : WHITE (DUTCH) CLOVER

Plentiful everywhere.

125. *Trifolium fragiferum* L. : STRAWBERRY-HEADED TREFOIL

Occasional in our district. Waterworks Lane, where it has been for many years; Bury Green Lane, 1942 (Ad); near the entrance to Prime's Farm by the small pond, 1946 (Ad).

126. *Trifolium campestre* Schreb. : HOP TREFOIL

Not uncommon in our district on gravel. Dane's Bridge, 1941 (Ad); Hadham road rifle butts, 1941 (Ad); Bury Green Lane, Isolation Hospital site, 1944 (Ad); Farnham gravel-pit, 1945. And elsewhere.

127. *Trifolium dubium* Sibth. : LESSER YELLOW TREFOIL

Very common throughout our district.

128. *Lotus corniculatus* L. : BIRD'S-FOOT TREFOIL

One of our commonest plants in fields and by roadsides throughout the district.

129. *Lotus tenuis* Willd. : DECUMBENT BIRD'S-FOOT TREFOIL

Found only once, on the site of the old Isolation Hospital, in 1942 and again in the same place in 1946, but not seen since (Ad).

130. *Lotus uliginosus* Schkuhr. : MARSH BIRD'S-FOOT TREFOIL

Quite frequent in our district. Canfield Hart; Hatfield Forest, etc.

131. *Robinia pseudo-acacia* L. : WHITE ACACIA (FALSE ACACIA)

A frequent tree in gardens and occasionally found as an escape but not truly wild.

132. *Astragalus glycyphyllos* L. : SWEET MILK VETCH

Very occasional. Quendon road (Cn).

133. *Ornithopus perpusillus* L. : COMMON BIRD'S-FOOT

Very occasional. Patmore Heath, 1950.

134. *Onobrychis viciifolia* Scop. : SAINFOIN  
Commonly cultivated in this district and often found as an escape by roadsides.

135. *Vicia hirsuta* (L.) S. F. Gray : HAIRY VETCH  
Occasional. Old coach road, Rickling, 1939 (Ad); Farnham chalk-pit, 1944.

136. *Vicia tetrasperma* (L.) Schreb. : SLENDER VETCH  
A very common vetch in our district in grassy places and among undergrowth.

137. *Vicia cracca* L. : TUFTED VETCH  
Ubiquitous in hedgerows.

138. *Vicia sepium* L. : BUSH VETCH  
Common throughout the district.

139. *Vicia sativa* L. : COMMON VETCH  
Common everywhere.

140. *Vicia lathyroides* L. : SPRING VETCH  
Occasional only. Farnham chalk-pit, 1945.

141. *Lathyrus aphaca* L. : YELLOW VETCHLING  
Rare. Recorded once only: Maze Green Road, 1922 (Cn), and not seen since.

142. *Lathyrus nissolia* L. : CRIMSON (GRASS) VETCHLING  
Not uncommon. Golf links (Cn); Spellbrook, 1939; chalk-pit between Little Hadham and Albury, 1940 (Cd).

143. *Lathyrus pratensis* L. : MEADOW VETCHLING  
One of the commonest vetchlings in our district, occurring by roadsides everywhere.

#### Caesalpineae

144. *Cercis siliquastrum* L. : JUDAS TREE  
A fine specimen off Parsonage Lane.

#### Rosaceae

145. *Prunus spinosa* L. : BLACKTHORN, SLOE  
Abundant throughout the district.

146. *Prunus insititia* L. : BULLACE  
Abundant throughout the district.

147. *Prunus cerasus* L. : CHERRY  
Fairly common in woods in our district. Hatfield Forest; Bloodhounds Wood; Birchanger Wood; Patmore Wood; Albury, etc.

148. *Prunus padus* L. : BIRD CHERRY  
Not very common in this district and doubtfully wild. Planted in the Vicarage garden, Bishop's Stortford, and in Sawbridgeworth churchyard.

149. *Filipendula ulmaria* (L.) Maxim. : MEADOWSWEET  
Common in wet places throughout the district.

150. *Rubus idaeus* L. : RASPBERRY  
Hoggett's Wood (Cd).

151. *Rubus caesius* L. : DEWBERRY  
Common throughout the district.

152. *Rubus fruticosus* agg. : BLACKBERRY, BRAMBLE  
Ubiquitous throughout the district.

153. *Geum urbanum* L. : COMMON AVENS  
Common throughout the district.

154. *Fragaria vesca* L. : WILD STRAWBERRY  
Very common in woods throughout the district.

155. *Potentilla sterilis* (L.) Garcke. : STRAWBERRY-LEAVED CINQUEFOIL  
One of our commonest and earliest Spring flowers.

156. *Potentilla verna* L. : SPRING CINQUEFOIL  
Once only—behind the Hospital, 1921 (Cn), and not seen since.

157. *Potentilla erecta* (L.) Rausch : TORMENTIL  
Common throughout the district.

158. *Potentilla reptans* L. : CREEPING CINQUEFOIL  
Plentiful everywhere.

159. *Potentilla anserina* L. : SILVERWEED  
Common in damp places throughout the district.

160. *Alchemilla arvensis* (L.) Scop. : FIELD LADY'S MANTLE  
(PARSLEY PIERT)

Not very frequent in this district. Sometimes in cornfields; Broome Wood; a weed in Meadow Dyke garden, Maze Green Road, for many years (Cn).

161. *Alchemilla vulgaris* L., agg. : COMMON LADY'S MANTLE

Quite frequent in the district. Hatfield Forest, near the lake; watermeadows near Manuden; near the gamekeeper's cottage, Planting's Wood; Broome Wood, etc.

162. *Agrimonia eupatoria* L. : COMMON AGRIMONY  
Common throughout the district; a road- and hedge-side plant.

163. *Poterium sanguisorba* L. : SALAD BURNET  
A common plant on the chalk throughout the district.

164. *Rosa arvensis* Huds. : FIELD ROSE

This white-flowered rose is the commonest in this district in woods and hedges. It is more common than *R. canina*.

165. *Rosa canina* L. : COMMON DOG ROSE

Common in hedgerows throughout the district but not so common as *R. arvensis*.

166. *Sorbus aucuparia* L. : MOUNTAIN ASH (ROWAN)

Common in gardens and occasionally as an escape (e.g. Manuden); but not truly wild.

167. *Sorbus aria* agg. : WHITE BEAM

Very occasional. Thorley (An).

168. *Pyrus communis* L. : WILD PEAR

Very occasional. In a hedge at Waterworks Lane (Ad); north side of Canfield Hart wood (Ad).

169. *Malus pumila* Mill. : CRAB APPLE

Common throughout the district in woods and hedgerows. Common at Ugley (An); Manuden, above Pinchpools (An); Hatfield Forest; Wallbury Dells; Stocking Plantation; and other woods.

170. *Crataegus oxyacanthoides* Thuill. : HAWTHORN

A very common tree throughout the district.

171. *Crataegus monogyna* Jacq. : CUT-LEAVED HAWTHORN  
Quite frequent in hedges throughout the district.

Quite a large number of hybrids showing variations of leaf and fruit forms are to be found in the hedges and woods in the district where the Genus is frequent and these need further study. Hybrids of garden origin are found planted as ornamental trees for the sake of their brilliant fruits in the autumn. A fine specimen of *C. carrieri* Vauv. (*C. crus-galli* x *C. mexicana*) is in Maze Green Road.

#### Saxifragaceae

172. *Saxifraga granulata* L. : MEADOW SAXIFRAGE

Only very occasional in this district. Twyford, 1939 (As); railway embankment near the Red White and Blue inn, 1948 (Et).

173. *Chrysosplenium oppositifolium* L. : GOLDEN SAXIFRAGE

This plant used at one time to grow in Birchanger Wood, but it has not been seen there or anywhere else in this district since 1921 (Cn).

#### Grassuiaceae

174. *Sedum telephium* L. : ORPINE (LIVELONG)

Rare in this district. Latchmore Bank, in waste ground, 1942; railway bank near Collins Cross, 1943; Broome Wood, 1946.

175. *Sedum acre* L. : BITING STONECROP (WALL PEPPER)

Doubtfully wild in this district, but often seen in gardens and on the roofs of old cottages.

176. *Sedum rupestre* L. : ST. VINCENT'S ROCK STONECROP

Reported once only, from a gravel-pit at Manuden. Probably a garden escape.

#### Haloragaceae

177. *Myriophyllum verticillatum* L. : WHORLED WATER MILFOIL

Very occasional only. Reported from the canal near Sawbridge-worth (Rs).

#### Callitrichaceae

178. *Callitriche palustris* L. : WATER STARWORT

Very common in all ponds and streams in the district.

### Lythraceae

179. *Peplis portula* L. : WATER PURSLANE  
Occasional only.

180. *Lythrum salicaria* L. : PURPLE LOOSESTRIFE  
Frequent in wet places throughout the district. In the Town  
Meads; Hazel End; by the canal, etc.

### Onagraceae

181. *Chamaenerion angustifolium* (L.) Scop. : ROSE-BAY  
WILLOW-HERB

Very common throughout the district. It appears wherever trees  
are felled or coppiced. A white-flowered variety appears occasionally.

182. *Epilobium hirsutum* L. : GREAT HAIRY WILLOW-HERB  
Ubiquitous in wet places.

183. *Epilobium parviflorum* Schreb. : SMALL-FLOWERED  
WILLOW-HERB  
Common everywhere.

184. *Epilobium montanum* L. : BROAD-LEAVED WILLOW-HERB  
Common everywhere.

185. *Epilobium roseum* Schreb. : PALE WILLOW-HERB  
Frequent in our district.

These *Epilobium* in all probability cross, and hybrids showing  
variations from type can be found.

186. *Epilobium tetragonum* L. : SQUARE-STALKED WILLOW-HERB  
Probably quite frequent in this district. Frequent on the banks of  
the canal (Ad).

187. *Epilobium palustre* L. : MARSH WILLOW-HERB  
Occasional. Possibly more frequent but overlooked. Hatfield  
Forest, in the swamp and watercourse at the head of the lake, 1939 (Et).

188. *Circaea lutetiana* L. : ENCHANTER'S NIGHTSHADE  
Common throughout the district. Sometimes a troublesome weed  
in gardens. Very abundant at Hatfield Forest (An).

### Cucurbitaceae

189. *Bryonia dioica* Jacq. : COMMON (WHITE) BRYONY  
Ubiquitous throughout the district, in hedgerows.

### Umbelliferae

190. *Hydrocotyle vulgaris* L. : COMMON WHITE-ROT  
(MARSH PENNYWORT)  
Very occasional; possibly overlooked. Hatfield Forest, 1938.

191. *Sanicula europaea* L. : WOOD SANICLE  
Quite common in woods in our district.

192. *Conium maculatum* L. : HEMLOCK  
Not uncommon in the district. Hatfield Forest; Manuden; Rick-  
ling road; ditches in Long Meadow; by the River Stort; etc.

193. *Bupleurum rotundifolium* L. : HARE'S EAR  
Occasional. Bury Green, 1920 (Cn). Appeared in a garden after  
a bomb had scattered soil in July 1941 (As).

194. *Apium nodiflorum* (L.) Lag. : PROCUMBENT MARSHWORT  
Recorded once only but possibly overlooked in other places. Hat-  
field Forest, 1929 (Eg).

195. *Carum carvi* L. : CARAWAY  
Very occasional. 1927 (Eg).

196. *Petroselinum segetum* (L.) Koch : CORN PARSLEY  
Reported once only, 1937 (Eg).

197. *Sison amomum* L. : BASTARD STONE-PARSLEY (HEDGE  
SISON)  
Frequent in our district. In a ditch, Maze Green Road; Long  
Meadow; Stocking Plantation, etc.

198. *Sium latifolium* L. : WATER PARSNIP  
Occasional. By the Stort, 1941 (Ad). Possibly more common and  
overlooked.

199. *Sium erectum* Huds. : NARROW-LEAVED WATER PARSNIP  
Frequent in wet places in the district. Hatfield Forest, in the  
swamp by the lake; ditches, etc.

200. *Aegopodium podagraria* L. : GOUT WEED (BISHOP'S WEED)  
Ubiquitous throughout the district. Often a troublesome weed in  
gardens. A common local name for it is Ground Elder.

201. *Pimpinella saxifraga* L. : COMMON BURNET SAXIFRAGE  
Rather scarce in our district. In a field by Twyford lock, 1948 (Ad).
202. *Pimpinella major* (L.) Huds. : BURNET SAXIFRAGE  
Rare. Stocking Plantation; rough ground north of Hallingbury Road near the Sewage Farm, 1942.
203. *Conopodium majus* (Gouan) Lor. & Barr. : COMMON  
EARTHNUT (PIG NUT)  
Fairly plentiful in the district. Hatfield Forest; in a field below the gamekeeper's cottage in Plantings Wood, in quantity (Ad); Wallbury Dells, etc.
204. *Chaerophyllum temulum* L. : CHERVIL  
One of the commonest roadside weeds; ubiquitous throughout our district.
205. *Scandix pecten-veneris* L. : SHEPHERD'S-NEEDLE  
A very common cornfield weed in this district.
206. *Anthriscus scandicina* (Weber) Mansf. : BEAKED PARSLEY  
(BURR CHERVIL)  
Plentiful throughout the district.
207. *Oenanthe fistulosa* L. : COMMON WATER DROPWORT  
Occasional. Hatfield Forest, at the west end of the lake, 1946.
208. *Aethusa cynapium* L. : FOOL'S PARSLEY  
A common weed, plentiful throughout the district.
209. *Silaum silaus* (L.) Schinz & Thell. : PEPPER SAXIFRAGE  
Common throughout the district; a roadside plant. Maple Avenue; plentiful in fields round the College playing-fields.
210. *Angelica sylvestris* L. : ANGELICA  
Common in damp places. Hatfield Forest; Birchanger, etc.
211. *Pastinaca sativa* L. : COMMON WILD PARSNIP  
Very plentiful by roadsides throughout the district, especially where the soil is chalky.
212. *Heracleum sphondylium* L. : COW PARSNIP (HOG WEED)  
Ubiquitous throughout the district.

213. *Daucus carota* L. : WILD CARROT  
Plentiful throughout the district, especially where the soil is chalky.

#### Araliaceae

214. *Hedera helix* L. : IVY  
Ubiquitous.

#### Cornaceae

215. *Cornus sanguinea* L. : DOGWOOD  
A very common shrub in this district. (There is a specimen of *Cornus mas* in a garden at No. 88 Hadham Road.)

#### Adoxaceae

216. *Adoxa moschatellina* L. : MOSCHATEL  
Recorded only once, in 1935, and not seen since.

#### Caprifoliaceae

217. *Sambucus nigra* L. : COMMON ELDER  
Plentiful everywhere in our district.

218. *Viburnum opulus* L. : GUELDER ROSE  
Common in hedgerows throughout the district.

219. *Viburnum lantana* L. : WAYFARING-TREE  
Common, especially at Manuden and Ugley.

220. *Symphoricarpos albus* (L.) S. F. Blake : SNOWBERRY  
In woods and shrubberies and often spreads to scrubland in this district. Grows wild in Bloodhounds Wood.

221. *Lonicera periclymenum* L. : HONEYSUCKLE (WOODBINE)  
Common throughout the district.

#### Rubiaceae

222. *Galium cruciata* (L.) Scop. : CROSSWORT  
In one locality only: Hatfield Broad Oak road, between Takeley station and Canfield Hart wood.

223. *Galium verum* L. : LADY'S BEDSTRAW (YELLOW BEDSTRAW)  
Plentiful everywhere in our district.

224. *Galium mollugo* L. : HEDGE BEDSTRAW  
Plentiful throughout the district.

225. *Galium palustre* L. : MARSH BEDSTRAW  
Frequent in wet places throughout the district.

226. *Galium uliginosum* L. : BOG BEDSTRAW  
Occasional. Hatfield Forest, at the west end of the lake (Ad).

227. *Galium aparine* L. : GOOSE-GRASS (CLEAVERS)  
Ubiquitous.

228. *Galium tricornis* Stokes : ROUGH-FRUITED CORN BEDSTRAW  
Occasional in hedgerows. Bury Green, 1941 (Cn); bottom of Long Meadow, 1943 (Ad).

229. *Asperula odorata* L. : WOODRUFF  
In one locality only: Canfield Hart wood.

230. *Sherardia arvensis* L. : FIELD MADDER  
A very common cornfield weed in our district.

#### Valerianaceae

231. *Valeriana dioica* L. : MARSH VALERIAN  
Not uncommon in wet places in our district. Hatfield Forest; the canal near Spellbrook, etc.

232. *Valeriana officinalis* L. : GREAT WILD VALERIAN  
Fairly frequent in our district. Hatfield Forest, etc.

233. *Valerianella locusta* L. : CORN SALAD  
Occasional. Farnham (Cn); railway embankment between the bridges near the Red White and Blue inn (Et).

234. *Valerianella dentata* (L.) Poll. : NARROW-FRUITED CORN SALAD  
Fairly common. Farnham (Cn); Much Hadham, 1939; Prime's Farm hedgrows, 1941 (Ad).

#### Dipsaceae

235. *Dipsacus fullonum* L. : TEAZEL  
Very frequent throughout our district. In quantity in Stocking Plantation.

236. *Dipsacus pilosus* L. : SMALL TEAZEL  
Occasional only. Much Hadham, 1929; Barwick Ford, 1944 (MJ); in the lane to Farnham gravel-pit. First seen here in 1939, but none in 1940 or 1941. Appeared again in 1942, but absent 1944. Since then it has been seen in 1945, 1947, and 1949. Warren Wood, 1950.

237. *Knautia arvensis* (L.) Coult. : FIELD SCABIOUS  
Frequent throughout the district.

238. *Succisa pratensis* Moench : DEVIL'S-BIT SCABIOUS  
Not infrequent in restricted localities. Plentiful at one time in Tom Wood's Pasture, but this was ploughed in 1944. The plant still remains round the margins and in Long Meadow; also round the edges of Bloodhounds Wood. Latchmore Bank north of the Hallingbury road, 1944.

#### Compositae

239. *Eupatorium cannabinum* L. : HEMP AGRIMONY  
Common in wet places throughout the district.

240. *Bellis perennis* L. : COMMON DAISY  
Ubiquitous.

241. *Erigeron canadensis* L. : CANADA FLEA-BANE  
A common weed in waste places. Frequent round about the town.

242. *Erigeron acris* L. : BLUE FLEA-BANE  
On the verge of Stansted Road, 1950 (Et).

243. *Filago germanica* (L.) L. : COMMON FILAGO  
Occasional. Near Bloodhounds Wood by the side of a cornfield, 1941 (Fn).

244. *Filago minima* (Sm.) Pers. : LEAST FILAGO  
Frequent in this district. Maple Avenue, 1938 (Ad); near the river at Manuden, 1939 (Ad); Wallbury Dells, etc.

245. *Gnaphalium uliginosum* L. : MARSH CUDWEED  
Reported once only: Latchmore Bank north of the Hallingbury  
Road, 1944 (Cn).

246. *Inula conyza* DC. : PLOUGHMAN'S SPIKENARD  
Stansted old chalk-pit, 1947 (MJ); in Stansted chalk-pit 1951 (Ad).

247. *Pulicaria dysenterica* (L.) Bernh. : COMMON FLEA-BANE  
Frequent in wet places in our district.

248. *Ambrosia artemisiifolia* L.  
An introduced weed from Peru. Appeared in a garden in Stansted  
Road, in 1942 (Hk).

249. *Bidens cernua* L. : BUR MARIGOLD  
Occasional only. Hatfield Forest by the lake; on the banks of the  
canal.

250. *Bidens tripartita* L. : TRIFID BUR MARIGOLD  
Not common but seen in several places in our district. Hatfield  
Forest, by the lake; Wallbury Dells, 1937 (Ad); Hazel End, by the  
watercress beds, 1943-5.

251. *Achillea millefolium* L. : COMMON YARROW  
Ubiquitous.

252. *Anthemis arvensis* L. : CORN CHAMOMILE  
Common throughout the district.

253. *Chrysanthemum leucanthemum* L. : OX-EYE DAISY  
(CORN MARIGOLD)  
A very plentiful plant in cornfields in our district.

254. *Matricaria inodora* L. : SCENTLESS MAYWEED  
Plentiful everywhere.

255. *Matricaria matricarioides* (Less.) Porter : RAYLESS MAYWEED  
A North American weed, very common by roadsides through-  
out the district.

256. *Tanacetum vulgare* L. : TANSY  
Doubtfully wild in this district. Pledgdon Heath, 1947 (Cn).

257. *Artemisia absinthium* L. : COMMON WORMWOOD  
One specimen only known in this district which can be considered  
as wild: Elgin Coppice in Hatfield Forest, 1948 (An, Cd).

258. *Artemisia vulgaris* L. : MUGWORT  
Very common throughout the district.

259. *Tussilago farfara* L. : COLTSFOOT  
Fairly frequent on railway embankments and by roadsides. Town  
Meads, 1950 (An).

260. *Petasites fragrans* (Vill.) C. Presl : WINTER HELIOTROPE  
A garden escape. By the roadside in Maple Avenue.

261. *Petasites hybridus* (L.) Gaertn., Mey & Scherb. : BUTTERBUR  
Not at all frequent in our district. Fullers End, Elsenham, 1946  
(MJ); Cannon Mill Lane, near the railway crossing, 1947 (Et).

262. *Senecio vulgaris* L. : COMMON GROUNDSEL  
Ubiquitous.

263. *Senecio sylvaticus* L. : HEATH (MOUNTAIN) GROUNDSEL  
Comparatively scarce in this district. Brewery fields (Hk); Blood-  
hounds Wood, 1948 (Et).

264. *Senecio viscosus* L. : STINKING GROUNDSEL  
Reported once only: between the castle and the railway, 1949  
(Kk).

265. *Senecio erucifolius* L. : HOARY RAGWORT  
Common throughout the district.

266. *Senecio jacobaea* L. : COMMON RAGWORT  
Plentiful everywhere.

267. *Senecio aquaticus* Hill : MARSH RAGWORT  
Common in wet places by the Stort and canal, etc.

268. *Carlina vulgaris* L. : CARLINE THISTLE  
Very occasional in this district, on chalk. Great Hallingbury, be-  
tween the church and the lake, 1943 (Ad).

269. *Arctium lappa* L. : COMMON BURDOCK  
Ubiquitous.



270. *Arctium minus* (Hill) Bernh. : LESSER BURDOCK  
Quite frequent in our district. Hatfield Forest; Randall's Farm; Takeley, and elsewhere.

271. *Carduus crispus* L. : WELTED THISTLE  
Common throughout the district.

272. *Carduus nutans* L. : MUSK THISTLE  
Occasional only. Plantings Wood, 1939 (Ad).

273. *Cirsium vulgare* (Savi) Ten. : SPEAR PLUME THISTLE  
Common throughout the district. Very often fasciated, especially in 1937.

274. *Cirsium palustre* (L.) Scop. : MARSH THISTLE  
Plentiful everywhere in our district.

275. *Cirsium acaulos* (L.) Scop. : STEMLESS THISTLE  
Frequent in this district on chalky soil.

276. *Cirsium arvense* (L.) Scop. : CREEPING (FIELD) THISTLE  
Ubiquitous. *C. arvense* var. *setosa*, a variety without spines on the leaves, appeared in Cricketfield Lane where a pipeline was laid in 1944 and has been there ever since 1949 (Hk).

277. *Onopordon acanthium* L. : SCOTCH (COTTON) THISTLE  
Rare. Reported once only from a waste dump at the north end of the railway station, 1944 (Pr).

278. *Centaurea nigra* L. : COMMON Knapweed  
Plentiful everywhere.

279. *Centaurea scabiosa* L. : GREATER Knapweed  
Common throughout the district, especially on the chalk. Occasionally a white-flowered variety is found. It is frequently parasited by *Orobanche major* L.

280. *Centaurea solstitialis* L. : YELLOW STAR THISTLE  
A casual in this country. Reported only once in our district—in a field of lucerne near Farnham chalk-pit, 1949 (Cd).

281. *Cichorium intybus* L. : SUCCORY (CHICORY)  
Not uncommon in our district by the edges of fields. Plentiful at Bollington Hall (An). Also Long Meadow, Plantings Wood, Bury Green Lane, etc.

282. *Lapsana communis* L. : COMMON NIPPLE-WORT  
Common throughout the district.

283. *Picris hieracioides* L. : HAWKWEED PICRIS  
Quite frequent in this district. Abundant in the upper playing-fields of the College (Cn). Hatfield Forest in quantity, and elsewhere.

284. *Picris echinoides* L. : BRISTLY OX-TONGUE  
Quite a common plant in our district.

285. *Crepis taraxacifolia* Thuill. : BEAKED HAWK'S-BEARD  
Common everywhere by roadsides.

286. *Crepis capillaris* (L.) Wallr. : SMOOTH HAWK'S-BEARD  
A very common roadside weed.

287. *Hieracium pilosella* L. : MOUSE-EAR HAWKWEED  
Very common everywhere.

288. *Hieracium sabauda* agg. : SAVOY HAWKWEED  
In the upper playing-field of the College ten years ago (Cn, 1949); Farnham road, near the gravel-pit, 1944 (Ad).

289. *Hypochoeris radicata* L. : CAT'S EAR  
Common everywhere.

290. *Leontodon hispidus* L. : ROUGH HAWK-BIT  
Common in grass fields.

291. *Leontodon autumnalis* L. : AUTUMN HAWK-BIT  
Common in grass fields.

292. *Taraxacum officinale* Weber : DANDELION  
Ubiquitous. Has especially fine flowers on the boulder clay soils in this district, of which it is quite a feature.

293. *Lactuca serriola* L. : PRICKLY LETTUCE  
Long Meadow, 1944 (Cn); Thorley Hill, 1944 (Hn); on the north side of Canfield Hart wood, 1945 (Ad); in a swamp near the castle gardens, 1947 (Ad); seems to be spreading; not uncommon 1949-50.

294. *Sonchus oleraceus* L. : COMMON SOWTHISTLE  
Ubiquitous.

295. *Sonchus asper* (L.) Hill : PRICKLY SOWTHISTLE  
Ubiquitous.

296. *Sonchus arvensis* L. : CORN SOWTHISTLE  
Frequent in cornfields.

297. *Tragopogon pratensis* L. : GOAT'S-BEARD  
Common throughout the district but always the variety with long involucre bracts.

298. *Tragopogon porrifolius* L. : PURPLE GOAT'S-BEARD (SALSAFY)  
Latchmore Bank, 1948 (MJ). Possibly a garden escape.

#### Campanulaceae

299. *Campanula glomerata* L. : CLUSTERED BELL-FLOWER  
On the chalk, but not plentiful in this district. Farnham chalk-pit; by the footpath in Long Meadow; Bury Green; near Thorley, by the High Wych road, 1944 (Hk).

300. *Campanula trachelium* L. : NETTLE-LEAVED BELL-FLOWER  
In the lane leading to Farnham chalk-pit; ditch by Stocking Plantation; by the Bourne near Rye Street.

301. *Campanula rapunculoides* L. : CREEPING BELL-FLOWER  
A garden weed: Meadow Dyke, Maze Green Road. Possibly not truly wild in this district.

302. *Campanula rotundifolia* L. : HAREBELL  
Hatfield Forest; Rickling Green (Cn); Wallbury Dells; edge of Great Plantings Wood, 1941 (Ad).

303. *Specularia hybrida* (L.) A. DC. : CORN BELL-FLOWER  
(VENUS'S LOOKING-GLASS)  
A frequent cornfield weed. Manuden-Rickling old coach road, plentiful.

#### Ericaceae

304. *Arbutus unedo* L. : STRAWBERRY-TREE  
A specimen in Bishop's Stortford cemetery.

#### Monotropaceae

305. *Monotropa hypopithys* L. : YELLOW BIRD'S-NEST  
Reported once only—from Stocking Wood, Little Hadham, 1927 (Cn).

#### Primulaceae

306. *Primula vulgaris* Huds. : COMMON PRIMROSE  
Plentiful in woods in this district.

307. *Primula veris* L. : COWSLIP  
Plentiful everywhere in this district.

308. *Primula elatior* (L.) Hill : TRUE OXLIP (BARDFIELD OXLIP)  
Plentiful in woods on the boulder clay in this district. A hybrid *P. elatior* x *P. vulgaris* occurs in Canfield Hart.

309. *Lysimachia nummularia* L. : MONEYWORT (CREEPING JENNY)  
Frequent in damp places. Hatfield Forest; Thorley Wood, and elsewhere.

310. *Lysimachia nemorum* L. : YELLOW PIMPERNEL  
(WOOD LOOSESTRIFE)  
Birchanger Wood, 1921 (Cn); Canfield Hart, 1946 (Ad); Hatfield Forest, 1947 (Ad); Alsa Wood, Ugley, in quantity.

311. *Anagallis arvensis* L. : SCARLET PIMPERNEL  
A common cornfield weed.

312. *Anagallis foemina* Mill. : BLUE PIMPERNEL  
In a garden at Stansted, 1940.

#### Oleaceae

313. *Fraxinus excelsior* L. : ASH  
A common tree throughout the district.

314. *Ligustrum vulgare* L. : PRIVET  
Frequent in woods, where it has probably spread from gardens by bird-carried seed.

#### Apocynaceae

315. *Vinca minor* L. : LESSER PERIWINKLE  
At the Much Hadham road end of Bury Green Lane and in the opposite wood.

### Gentianaceae

316. *Blackstonia perfoliata* (L.) Huds. : PERFOLIATE YELLOW-WORT

On chalk. Rifle butts by Wickham Hall (now demolished); north side of Canfield Hart wood.

317. *Centaureum umbellatum* Gilib. : CENTAURY  
Frequent in our district, especially on chalky soils. A white-flowered variety is not uncommon.

### Boraginaceae

318. *Cynoglossum officinale* L. : COMMON HOUND'S-TONGUE  
Plentiful at Hatfield Forest; also at Canfield Hart.

319. *Symphytum officinale* L. : COMMON COMFREY  
Plentiful by the river and canal and in wet places. Hatfield Forest, outside Beggar's Hall.

320. *Anchusa sempervirens* L. : EVERGREEN ALKANET  
Bishop's Stortford, 1926 (Cn), 1938 (Ad); Bury Lodge; Takeley, near the A.A. box, 1941 (Ad).

321. *Myosotis scorpioides* L. : FORGET-ME-NOT  
Frequent in all wet places.

322. *Myosotis arvensis* (L.) Hill : FIELD SCORPION-GRASS  
Common everywhere throughout the district.

323. *Myosotis collina* Hoffm. : EARLY SCORPION-GRASS  
This small *Myosotis* is frequent at Hatfield Forest on the mounds made by the ant *Ananthomyops flavus*. Also found on the railway embankment between the bridges north of the Red White and Blue inn, 1948 (Et).

324. *Myosotis versicolor* Sm. : YELLOW AND BLUE FORGET-ME-NOT  
We have only one record: Thorley, 1949 (Et).

325. *Lithospermum officinale* L. : COMMON GROMWELL  
Recorded only at Hatfield Forest.

326. *Lithospermum arvense* L. : CORN GROMWELL  
(BASTARD ALKANET)

A very common cornfield weed throughout the district.

### Convolvulaceae

327. *Calystegia sepium* (L.) R. Br. : GREATER BINDWEED  
Plentiful everywhere and often a troublesome weed in gardens.

328. *Convolvulus arvensis* L. : LESSER BINDWEED  
Common throughout the district; a roadside weed.

### Solanaceae

329. *Solanum dulcamara* L. : WOODY NIGHTSHADE (BITTERSWEET)  
Common throughout the district.

330. *Solanum nigrum* L. : BLACK NIGHTSHADE  
A common weed everywhere.

331. *Solanum sisymbriifolium* Lam.  
An introduced plant which appeared in a field of flax on Pocock's Farm in 1941. The flax seed probably came from Brazil.

332. *Lycium chinense* Mill. : TEA-PLANT (TEA-TREE)  
Frequently cultivated as a hedge plant in this district.

333. *Atropa bella-donna* L. : DEADLY NIGHTSHADE (DWALE)  
Stansted chalk-pit; Manuden.

334. *Datura stramonium* L. : COMMON THORN-APPLE  
Quite frequent in waste places and near rubbish heaps.

335. *Hyoscyamus niger* L. : HENBANE  
Fairly common in our district. The College vegetable garden; Convent playing-fields; Hockerill College, in a filled-in bomb crater, 1942; Farnham gravel-pit; and elsewhere.

### Scrophulariaceae

336. *Verbascum thapsus* L. : GREAT MULLEIN  
Hatfield Forest, in Elgin Coppice, 1948-50 (An), and Spittlemore Coppice, 1947; Farnham chalk-pit.

337. *Verbascum nigrum* L. : DARK MULLEIN (BLACK MULLEIN)  
Occasional only.

338. *Verbascum blattaria* L. : MOTH MULLEIN  
Occasional; usually a garden escape.

339. *Linaria cymbalaria* (L.) Mill. : IVY-LEAVED TOAD-FLAX  
Frequent on walls in the town. Bury Lodge, Takeley, 1941 (Ad).
340. *Linaria elatine* (L.) Mill. : SHARP-POINTED FLUELLIN  
Occasional only. In a cornfield on the east side of Hatfield Forest, not far from Shell House, 1946 (Pr).
341. *Linaria spuria* (L.) Mill. : MALE FLUELLIN  
(ROUND-LEAVED TOAD-FLAX)  
A fairly frequent cornfield weed in our district.
342. *Linaria purpurea* (L.) Mill. : PURPLE TOAD-FLAX  
On waste land by the river. Probably a garden escape.
343. *Linaria vulgaris* Mill. : YELLOW TOAD-FLAX  
Not uncommon by roadsides and on railway embankments.
344. *Linaria minor* (L.) Desf. : LESSER TOAD-FLAX  
Long Meadow, 1922 (Cn); Stane Street halt, 1946-50 (Ad);  
Thorley Wash, in ballast on the railway line, 1948-49.
345. *Scrophularia aquatica* L. : WATER FIGWORT  
Frequent in wet places, ditches, and along the river-bank above the town.
346. *Scrophularia nodosa* L. : KNOTTED FIGWORT  
Common throughout the district.
347. *Scrophularia vernalis* L. : YELLOW FIGWORT  
Recorded once only, at Debden in 1939 (Cn).
348. *Digitalis purpurea* L. : FOXGLOVE  
Ugley and Quendon woods (An), but rare in our district.
349. *Veronica hederifolia* L. : IVY-LEAVED SPEEDWELL  
A very common garden weed.
350. *Veronica persica* Poir. : BUXBAUM'S SPEEDWELL  
Plentiful everywhere.
351. *Veronica arvensis* L. : WALL SPEEDWELL  
Fairly common on walls and in waste places and woods in the district.

352. *Veronica serpyllifolia* L. : THYME-LEAVED SPEEDWELL  
Common everywhere.
353. *Veronica officinalis* L. : COMMON SPEEDWELL  
Not so frequent as some other Veronicas in this district but occurs in woods—Hatfield Forest, Bloodhound's Wood, Canfield Hart and others.
354. *Veronica chamaedrys* L. : GERMANDER SPEEDWELL  
Plentiful everywhere.
355. *Veronica scutellata* L. : MARSH SPEEDWELL  
Woodside Green (Cn); Patmore Heath, 1950.
356. *Veronica montana* L. : MOUNTAIN SPEEDWELL  
Alsa Wood, Ugley, 1950. Also in other woods, 1950.
357. *Veronica anagallis-aquatica* L. : WATER SPEEDWELL  
In ditches and wet places. Waterworks Lane, 1941; Thorley, near the church, 1944; Hatfield Forest, on the lake margins, 1946.
358. *Veronica beccabunga* L. : BROOKLIME  
Frequent in wet places.
359. *Euphrasia officinalis* agg. : EYEBRIGHT  
Not uncommon, especially on chalky soil. Hatfield Forest; Woodside Green; Farnham chalk-pit; Takeley; Randall's Farm, and elsewhere.
360. *Odontites rubra* Gilib. : RED BARTSIA  
Common throughout the district.
361. *Rhinanthus minor* agg. : COMMON YELLOW RATTLE  
A hayfield weed. Spellbrook watermeadows.
362. *Melampyrum cristatum* L. : CRESTED COW-WHEAT  
Manuden, 1949 (Hk and Et).
363. *Melampyrum arvense* L. : PURPLE COW-WHEAT  
Long Meadow, in a barley field, 1920 (Cn). Not recorded since.
364. *Melampyrum pratense* L. : COMMON YELLOW COW-WHEAT  
Occasional. Wallbury Dells; Weston Green; Little Hadham (Cn).

### Orobanchaceae

365. *Orobanche elatior* Sutton : TALL BROOM-RAPE  
Frequent in this district, parasitic on *Centaurea scabiosa* L. In quantity in Farnham gravel-pit.

366. *Orobanche apiculata* Wallr. : SMALL BROOM-RAPE  
Stortford Park and Hyde Hall cricket-ground (Cn); Manuden, 1942 (Hk); near the lake, Great Hallingbury, 1943; Birchanger, in abundance, 1949 (Et). Parasitic on clover.

### Verbenaceae

367. *Verbena officinalis* L. : VERVAIN  
Bedlar's Green, 1943 (Hs).

### Labiatae

368. *Mentha longifolia* (L.) Huds. : HORSE MINT  
Gaston Green 1948 (Rs); between the Castle and the railway, 1949 (Kk).

369. *Mentha spicata* L. : SPEARMINT  
Between the Castle and the railway, 1949 (Kk).

370. *Mentha aquatica* L. : WATER MINT  
Very common in ditches and wet places.

371. *Mentha gracilis* Sole : WHORLED MINT  
This plant is probably of hybrid origin. Bloodhounds Wood, 1940 (Cn); Stocking Plantation, 1945; and elsewhere.

372. *Mentha arvensis* L. : CORN MINT  
Frequent in cornfields. Manuden (Ad); Randall's Farm, Takeley, 1940 (Ad); and elsewhere.

373. *Lycopus europaeus* L. : GIPSY-WORT  
Common by the side of the canal and elsewhere in wet places. Hatfield Forest.

374. *Origanum vulgare* L. : MARJORAM  
Farnham gravel-pit, in quantity; Rickling Green, old coach road; Much Hadham road, 1944 (Ad).

375. *Thymus serpyllum* agg. : WILD THYME  
Farnham chalk-pit (An); Hatfield Forest; Patmore Heath.

376. *Acinos arvensis* (Lam.) Dandy : BASIL THYME  
Fairly common in hedgerows.

377. *Calamintha ascendens* Jord. : COMMON CALAMINT  
Farnham gravel-pit; Hatfield Forest; and elsewhere. Common.

378. *Salvia verbenaca* L. sec. Pugs. : CLARY (WILD SAGE)  
Scarce. Puckeridge, 1949; Stansted road, 1946.

379. *Nepeta cataria* L. : CATMINT  
Farnham Lane, 1948 (Et), and again in 1950.

380. *Glechoma hederacea* L. : GROUND IVY  
A common weed everywhere.

381. *Scutellaria galericulata* L. : COMMON SKULLCAP  
On the river and canal banks.

382. *Prunella vulgaris* L. : COMMON SELF-HEAL  
Plentiful everywhere.

383. *Stachys officinalis* (L.) Trev. : WOOD BETONY  
Tom Wood's Pasture (since ploughed); Long Meadow; Wallbury Dells; Birchanger; Hockerill field-path.

384. *Stachys palustris* L. : MARSH WOUNDWORT  
By the river and canal.

385. *Stachys sylvatica* L. : HEDGE WOUNDWORT  
Plentiful everywhere.

386. *Stachys annua* (L.) L. : PALE ANNUAL WOUNDWORT  
Appeared as a weed in Mr. Sutton's garden, Maze Green Road, in 1940.

387. *Galeopsis ladanum* L. : HEMP-NETTLE  
In the Rickling-Berden old coach road.

388. *Galeopsis angustifolia* Hoffm. : RED HEMP-NETTLE  
Little Hadham Farm, 1941, and elsewhere. Not uncommon.

389. *Galeopsis tetrahit* L. : COMMON HEMP-NETTLE  
Frequent. Wallbury Dells, 1939 (Ad); hedgerows at Prime's Farm, and elsewhere.

390. *Lamium amplexicaule* L. : HENBIT  
Farnham gravel-pit, 1942 (MJ).

391. *Lamium hybridum* Vill. : HYBRID RED DEAD NETTLE  
Maze Green Road, 1949 (Ad and Kk).

392. *Lamium purpureum* L. : RED DEAD NETTLE  
Ubiquitous.

393. *Lamium album* L. : WHITE DEAD NETTLE  
Ubiquitous.

394. *Galeobdolon luteum* Huds. : YELLOW ARCHANGEL  
Frequent in this district. Long Meadow; Bury Green; Hadham  
road; Takeley road, and elsewhere.

395. *Ballota nigra* L. : BLACK HOREHOUND  
A common roadside and hedgerow plant.

396. *Ajuga reptans* L. : COMMON BUGLE  
Very common everywhere. A variety with pink flowers occurs in  
Bloodhounds Wood and one with white flowers in Elgin Coppice,  
Hatfield Forest, and in Canfield Hart.

#### Plantaginaceae

397. *Plantago lanceolata* L. : RIBWORT PLANTAIN  
Ubiquitous.

398. *Plantago media* L. : HOARY PLANTAIN  
Ubiquitous.

399. *Plantago major* L. : GREATER PLANTAIN  
Ubiquitous.

#### Illecebraceae

400. *Scleranthus annuus* L. : ANNUAL KNAWEL  
Cornfields near Hallingbury, 1942.

#### Amaranthaceae

401. *Amaranthus retroflexus* L.  
An introduced plant which appeared in a field of lucerne on  
Wickham Hall farm in 1949 (Cd).

#### Chenopodiaceae

402. *Chenopodium polyspermum* L. : MANY-SEEDED GOOSEFOOT  
A very common weed in our district.

403. *Chenopodium album* L. : WHITE GOOSEFOOT  
Common everywhere.

404. *Chenopodium urbicum* L. : UPRIGHT GOOSEFOOT  
Hatfield Forest, by the lake, 1938; Manuden.

405. *Chenopodium rubrum* L. : RED GOOSEFOOT  
Common everywhere.

406. *Chenopodium bonus-henricus* L. : GOOD KING HENRY  
Long Meadow; the canal, near the gasworks, 1940 (Ad); Manu-  
den (An); and elsewhere.

407. *Atriplex patula* L. : COMMON ORACH  
Manuden-Rickling road, 1938 (Ad); Thorley, by the river, 1949  
(Et); Woodside Green, 1949 (Et).

#### Polygonaceae

408. *Polygonum convolvulus* L. : BLACK BINDWEED  
A common cornfield weed in our district.

409. *Polygonum dumetorum* L. : COPSE BUCKWHEAT  
A weed in the garden of Meadow Dyke, Maze Green Road (Cn).

410. *Polygonum aviculare* agg. : COMMON KNOTGRASS  
Common on waste ground in the Windhill district, by the gas-  
works, etc.

411. *Polygonum hydropiper* L. : WATER PEPPER  
Hatfield Forest, by the lake; waste ground near the canal.

412. *Polygonum persicaria* L. : SPOTTED PERSICARIA  
Hatfield Forest, by the lake; waste ground by the gasworks (Ad).

413. *Polygonum lapathifolium* L. : PALE-FLOWERED PERSICARIA  
Waste ground by the gasworks (Ad); Cricket Field, 1950 (Hk).

414. *Polygonum amphibium* L. : AMPHIBIOUS PERSICARIA  
Waste ground by the gasworks (Ad); Twyford lock (Cn).
415. *Polygonum bistorta* L. : COMMON BISTORT (SNAKEWORT)  
Maze Green Road, in a field since built upon, 1937; Sewage Farm.
416. *Rumex conglomeratus* Murr. : SHARP DOCK  
Bollington Hall farm, near Manuden, 1949 (Et); Stocking Plantation, 1949 (Et).
417. *Rumex obtusifolius* L. : BROAD-LEAVED DOCK  
Common everywhere.
418. *Rumex crispus* L. : CURLED DOCK  
Harvey's Farm, 1939 (Ad).
419. *Rumex sanguineus* L. : RED-VEINED DOCK  
Woodside Green, 1949 (Et).
420. *Rumex hydrolapathum* Huds. : GREAT WATER DOCK  
On the canal banks.
421. *Rumex acetosella* L. : SHEEP'S SORREL  
Common. Patmore Heath (An); Wallbury Dells; Hatfield Forest; and elsewhere.
422. *Rumex acetosa* L. : COMMON SORREL  
Common everywhere.

#### Thymelaeaceae

423. *Daphne laureola* L. : SPURGE LAUREL  
Bury Green; Coppice at back of Thorley road (As); in quantity in the wood between Stocking Plantation and Great Hadham road; Hoggett's Wood.

#### Loranthaceae

424. *Viscum album* L. : MISTLETOE  
Plentiful at Hatfield Forest on hawthorn and other trees; several colonies on *Aesculus octandra* near the Shell House.

#### Euphorbiaceae

425. *Euphorbia peplis* L. : PURPLE SPURGE  
Common everywhere.
426. *Euphorbia platyphyllos* L. : BROAD-LEAVED WARTED SPURGE  
Bury Green Lane, 1944 (Cn); edge of Canfield Hart, 1945 (Ad).
427. *Euphorbia esula* L. : LEAFY SPURGE  
Wallbury Dells; Stane Street Halt, by the railway.
428. *Euphorbia exigua* L. : DWARF SPURGE  
A common cornfield weed in our district.
429. *Euphorbia lathyris* L. : CAPER SPURGE  
Common in gardens as a weed; probably not truly wild.
430. *Mercurialis perennis* L. : DOG'S MERCURY  
Ubiquitous.
431. *Mercurialis annua* L. : ANNUAL MERCURY  
Thornfield Road, 1945 (MJ); as a garden weed at 42 Hadham Road, 1949 (Cn).

#### Buxaceae

432. *Buxus sempervirens* L. : BOX  
Hatfield Forest; doubtfully wild.

#### Ulmaceae

433. *Ulmus glabra* Huds. : WYCH ELM  
Frequent in this district.
434. *Ulmus procera* Salisb. : COMMON ELM  
Frequent in this district, but many are dying from elm disease.

#### Cannabaceae

435. *Humulus lupulus* L. : HOP  
Common in hedges. Probably escape from cultivation; but no hops are now grown in this district.

### Urticaceae

436. *Urtica dioica* L. : STINGING NETTLE  
Ubiquitous.
437. *Urtica urens* L. : SMALL NETTLE  
Stansted chalk-pit, 1937 (Ad); Bury Green Lane, 1946 (Ad)  
Alsa Wood, near Ugley Green, 1950; Gilston Park, 1950.
438. *Parietaria diffusa* Mert. & Koch. : PELLITORY-OF-THE-WALL  
On the bridge over the stream between Spellbrook and the railway  
crossing; on the wall of a house in Manuden.

### Juglandaceae

439. *Juglans regia* L. : WALNUT  
A fairly common tree in this district.
440. *Juglans nigra* L. : BLACK WALNUT  
Hatfield Forest, in the chestnut grove at Warren House.

### Betulaceae

441. *Betula pendula* Roth : COMMON BIRCH (SILVER BIRCH)  
A common tree in this district.
442. *Alnus glutinosa* (L.) Gaertn. : COMMON ALDER  
Hatfield Forest; Stocking Plantation; by the Dunmow road near  
Thremhall Priory. Occasional in the N.W. area.

### Corylaceae

443. *Carpinus betulus* L. : HORNBEAM  
With the oak the commonest tree in our district.
444. *Corylus avellana* L. : HAZEL  
The common undergrowth in the woods in this district and in  
hedgerows.

### Fagaceae

445. *Quercus robur* L. : BRITISH OAK  
The most prominent tree in this district, all of the pedunculate  
kind.

446. *Quercus cerris* L. : TURKEY OAK  
A large specimen at Great Hallingbury Church; Hatfield Forest,  
in Spittlemore Coppice.

447. *Quercus ilex* L. : HOLM OAK  
Hazel End; Windhill monastery garden.

448. *Quercus suber* L. : CORK OAK  
One historic specimen at Wallbury Dells.

449. *Castanea sativa* Mill. : SPANISH CHESTNUT  
Frequent in woods in this district. Hatfield Forest, etc.

450. *Fagus sylvatica* L. : BEECH  
Occasional only in this district. Hatfield Forest; Ugley; and else-  
where.

### Salicaceae

451. *Salix fragilis* L. : CRACK WILLOW  
By the pond near the entrance to Prime's farm, and elsewhere.

452. *Salix alba* L. : COMMON WHITE WILLOW  
Frequent in this district. A variety, *S. vitellina*, has been planted  
by the roadside at Takeley.

453. *Salix viminalis* L. : OSIER  
Hazel End; by the River Stort and canal; near the Castle gardens.  
Often cultivated.

454. *Salix caprea* L. : GOAT WILLOW  
Frequent throughout the district, but rather rare north of  
Pinchpools (Manuden).

455. *Salix aurita* L. : ROUND-LEAVED WILLOW  
Frequent.

456. *Salix atrocinerea* Brot. : GREY SALLOW  
Frequent.

457. *Salix babylonica* L. : WEEPING WILLOW  
In gardens at Hassobury; Great Hallingbury, near the church.



458. *Populus alba* L. : WHITE POPLAR (ABELE)  
Frequent in this district.

459. *Populus tremula* L. : ASPEN  
Plentiful, sometimes abundant, in most woods in the district.  
Hatfield Forest; Bloodhounds Wood; Hoggett's Wood, etc.

460. *Populus nigra* L. : BLACK POPLAR  
Frequent; often planted.

461. *Populus fastigiata* L. : LOMBARDY POPLAR  
Manuden, in the glebe (planted); occasional elsewhere.

462. *Populus balsamifera* L. : BALSAM (CANADIAN) POPLAR  
Garden of White Lodge; College grounds.

463. *Populus trichocarpa* L.  
A small plantation near the Reindeer Inn at Spellbrook. A native  
of western North America.

#### Ceratophyllaceae

464. *Ceratophyllum demersum* L. : COMMON HORNWORT  
In the canal (Ad); in the lake at Hatfield Forest (Ad).

### MONOCOTYLEDONS

#### Hydrocharitaceae

465. *Elodea canadensis* Michx. : WATER THYME  
In the canal; in a stream by Stocking Plantation; in the lake at  
Hatfield Forest.

#### Orchidaceae

466. *Neottia nidus-avis* (L.) L. C. Rich. : BIRD'S-NEST ORCHIS  
"I have notes of this in various years up to 1949 from Long  
Meadow and Stansted" (Cn).

467. *Listera ovata* (L.) R. Br. : TWAYBLADE  
Not uncommon in woods in this district: Hatfield Forest;  
Canfield Hart; Planting's Wood; Thorley Wood; etc.

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468. *Anacamptis pyramidalis* (L.) L. C. Rich. : PYRAMIDAL  
ORCHIS

College Upper Field (Cn); between Great Hallingbury church  
and the lake, 1943; Hatfield Forest, 1946; gravel-pit at Manuden,  
1949 (Et).

469. *Orchis morio* L. : GREEN-WINGED ORCHIS  
"Used to be abundant in and just beyond Long Meadow but has  
not been seen there for some years" (Cn).

470. *Orchis mascula* (L.) L. : EARLY PURPLE ORCHIS  
Frequent in all woods in our district.

471. *Orchis latifolia* L. sec. Pugsl. : MARSH ORCHIS  
Frequent in wet places in this district. A complete series of  
colours can be found. This species now includes what was sometimes  
called SPOTTED ORCHIS, the *O. maculata* of B. & H.

472. *Ophrys apifera* Huds. : BEE ORCHIS  
Not uncommon in this district but very variable, being plentiful  
in some years (1937 particularly) and scarce in others. Golf course;  
College Upper Field; Farnham gravel-pit; Wickham Hall rifle-butts;  
Canfield Hart, N.E. side; Hatfield Forest.

473. *Ophrys insectifera* L. : FLY ORCHIS  
"One specimen found in Thorley Wood in 1925" (Cn). Not seen  
since.

474. *Gymnadenia conopsea* (L.) R. Br. : FRAGRANT ORCHIS  
Spellbrook, 1939.

475. *Coeloglossum viride* (L.) Hartm. : GREEN HABENARIA  
(FROG ORCHIS)  
"Used to be frequent in Long Meadow but not seen there for  
many years" (Cn).

476. *Platanthera bifolia* (L.) L. C. Rich. : BUTTERFLY ORCHIS  
Sparingly in woods in this district. Hatfield Forest; Canfield  
Hart; Planting's Wood; Thorley Wood; Battles Wood, Manuden,  
1942 (Hk).

#### Iridaceae

477. *Iris foetidissima* L. : STINKING IRIS (GLADDON)  
Canfield Hart; Birchanger Wood.

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478. *Iris pseudacorus* L. : YELLOW FLAG IRIS  
Frequent in wet places by the river and canal.

#### Amaryllidaceae

479. *Narcissus pseudo-narcissus* L. : WILD DAFFODIL  
Farnham; Bloodhounds Wood; Crouch Hill Wood, Manuden.  
Formerly (1938) common in Beggar's Hall Coppice, Hatfield Forest,  
but since picked out of existence (An).

480. *Allium vineale* L. : CROW GARLIC  
Frequent as a weed in cornfields and by roadsides.

481. *Allium ursinum* L. : RAMSONS  
Rare in this district. "In a swampy field by the roadside at Little  
Hallingbury, 1948" (Rs); Battles Wood, Manuden, 1950; Patmore  
Heath Wood, 1950.

#### Dioscoreaceae

482. *Tamus communis* L. : BLACK BRYONY  
Frequent in hedgerows.

#### Liliaceae

483. *Scilla non-scripta* (L.) Hoffm. & Link : WILD  
HYACINTH (BLUEBELL)  
Common in all our woods.

484. *Ornithogalum umbellatum* L. : STAR OF BETHLEHEM  
Occasional; doubtfully wild. By the side of the Manuden-Rickling  
road, near Rickling, 1936 (An).

485. *Paris quadrifolia* L. : HERB PARIS  
To be found in most woods in our district.

#### Juncaceae

486. *Juncus inflexus* L. : HARD RUSH  
Hatfield Forest. Frequent in wet places.

487. *Juncus effusus* L. : SOFT RUSH  
Frequent by the river and canal.

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488. *Juncus articulatus* L. : COMMON JOINTED RUSH  
In the town (As).

489. *Luzula pilosa* (L.) Willd. : HAIRY WOOD-RUSH  
Birchanger wood; Bloodhounds Wood; Hatfield Forest.

490. *Luzula campestris* (L.) DC. : FIELD WOOD-RUSH  
Common everywhere in dry open fields.

#### Typhaceae

491. *Typha latifolia* L. : GREAT REED-MACE  
By the river and canal; Sewage Farm, 1949; Hatfield Forest, by  
the lake.

#### Sparganiaceae

492. *Sparganium erectum* L. : BRANCHED BUR-REED  
Frequent in wet places in our district. Hatfield Forest.

493. *Sparganium simplex* Huds. : SIMPLE BUR-REED  
By the canal, 1940 (Ad); in the moat between the Castle gardens  
and the Causeway; near Sawbridgeworth station, 1948 (Rs).

#### Araceae

494. *Arum maculatum* L. : CUCKOO-PINT (LORDS  
AND LADIES)  
Ubiquitous.

#### Lemnaceae

495. *Lemna trisulca* L. : IVY-LEAVED DUCKWEED  
Hatfield Forest, in the swamp at the N.W. end of the lake.

496. *Lemna minor* L. : LESSER DUCKWEED  
Common everywhere.

#### Alismataceae

497. *Alisma plantago-aquatica* L. : GREAT WATER PLANTAIN  
Plentiful by the river and canal. Hatfield Forest, by the lake.

498. *Sagittaria sagittifolia* L. : COMMON ARROWHEAD  
Common in the river and canal and in streams in this district.

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### Butomaceae

499. *Butomus umbellatus* L. : FLOWERING RUSH  
By the canal near Sawbridgeworth, 1938; in a pond at Wickham Hall farm, 1949 (Cd).

### Potamogetonaceae

500. *Potamogeton natans* L. : BROAD-LEAVED POND-WEED  
Common in ponds and in the canal.
501. *Potamogeton perfoliatus* L. : PERFOLIATE POND-WEED  
In the canal, 1938.
502. *Potamogeton crispus* L. : CURLY POND-WEED  
In the canal, 1938.
503. *Potamogeton pectinatus* L. : FENNEL POND-WEED  
In the canal, 1938.
504. *Potamogeton densus* L. : OPPOSITE-LEAVED POND-WEED  
In the lake at Hatfield Forest; in water-cress beds near Pinchpools.

### Cyperaceae

505. *Scirpus lacustris* L. : COMMON BULL-RUSH (BULRUSH)  
By the river and canal.
506. *Scirpus sylvaticus* L. : WOOD CLUB-RUSH  
Once only : at Sheering in 1947.
507. *Blysmus compressus* (L.) Link : BROAD-LEAVED BLYSMUS  
Hatfield Forest, at the south end of the lake.
508. *Cladium mariscus* (L.) Pohl : FEN SEDGE  
Hatfield Forest, at the N.W. end of the lake, 1944. "By 1949 it had spread into the fen area, and as this silted up it increased there to a great extent". (An).
509. *Carex pulicaris* L. : FLEA SEDGE  
Common everywhere.
510. *Carex disticha* Huds. : SOFT BROWN SEDGE  
Hatfield Forest, 1945 (As).

511. *Carex paniculata* L. : PANICLED SEDGE  
Hatfield Forest.

512. *Carex vulpina* L. : FOX SEDGE  
Common in wet places by the canal; Hatfield Forest by the lake, and elsewhere.

513. *Carex spicata* Huds. : PRICKLY SEDGE  
By the river and canal; Hatfield Forest (As).

514. *Carex echinata* Murr. : LITTLE PRICKLY SEDGE  
Common everywhere.

515. *Carex remota* L. : REMOTE SEDGE  
Common everywhere.

516. *Carex nigra* (L.) Reichard : BLACK SEDGE  
Hatfield Forest; Thorley, meadows by the railway, 1940 (As); Bailey Hills woods, 1944; Patmore Heath, 1950 (Ad).

517. *Carex flacca* Schreb. : GLAUCOUS SEDGE  
Common everywhere.

518. *Carex pendula* L. : PENDULOUS SEDGE  
Hatfield Forest; Bury Green Lane, 1939 (As); frequent in this district.

519. *Carex sylvatica* Huds. : WOOD SEDGE  
Frequent in woods in our district.

520. *Carex hirta* L. : HAIRY SEDGE  
Hatfield Forest; Patmore Heath, 1950 (Ad).

521. *Carex ovalis* Good. : OVAL SEDGE  
Patmore Heath, 1950 (Ad).

522. *Carex pseudocyperus* L. : CYPERUS-LIKE SEDGE  
Hatfield Forest, at the north end of the lake (As); Plantings Wood (As).

523. *Carex acutiformis* Ehrh. : MARSH SEDGE  
By the River Stort, 1940; town meads, 1947 (As); Hatfield Forest.

524. *Carex vesicaria* L. : BLADDER SEDGE  
Hatfield Forest, by the side of the lake, 1947.

#### Gramineae

525. *Setaria viridis* (L.) Beauv. : GREEN BRISTLE GRASS  
An introduced species. Near the cricket ground, 1949 (Kk); in a field of lucerne, Wickham Hall farm, 1949 (Cd).

526. *Phalaris canariensis* L. : CANARY GRASS  
Occasional. Generally in gardens.

527. *Phalaris arundinacea* L. : COMMON REED-GRASS  
Abundant in the streams round the car park; town meads; by the gasworks, etc.

528. *Anthoxanthum odoratum* L. : VERNAL GRASS  
Hockerill meadows, and elsewhere.

529. *Alopecurus myosuroides* Huds. : SLENDER FOX-TAIL GRASS  
On the Manuden-Rickling road, 1938.

530. *Alopecurus pratensis* L. : MEADOW FOX-TAIL  
Common everywhere.

531. *Milium effusum* L. : SPREADING MILLET  
Occasional. In the town, 1940.

532. *Phleum pratense* L. : COMMON CAT'S-TAIL (TIMOTHY)  
GRASS  
Common everywhere.

533. *Agrostis canina* L. : BROWN BENT-GRASS  
Birchanger Wood, 1939; Broome Wood, Ugley, 1946; Hatfield Forest, 1946.

534. *Agrostis stolonifera* L. : MARSH BENT-GRASS  
Abundant in Hatfield Forest.

535. *Calamagrostis epigejos* (L.) Roth : WOOD SMALL-REED  
(BUSH-GRASS)  
In open spaces in thickets. Hatfield Forest; Alsa Wood, Stansted, 1950 (Ad).

536. *Aira caryophyllea* L. : SILVERY HAIR-GRASS  
Patmore Heath, 1950 (Ad).

537. *Aira praecox* L. : EARLY HAIR-GRASS  
Patmore Heath, 1950 (Ad).

538. *Deschampsia caespitosa* (L.) Beauv. : TUFTED HAIR-GRASS  
Patmore Heath, 1950 (Ad).

539. *Deschampsia flexuosa* (L.) Trin. : WAVED HAIR-GRASS  
On hedge banks. Seldom flowers.

540. *Holcus mollis* L. : CREEPING SOFT-GRASS  
In the town, 1939 (As).

541. *Holcus lanatus* L. : MEADOW SOFT-GRASS  
(YORKSHIRE FOG)  
Common everywhere.

542. *Avena fatua* L. : WILD OAT  
By the canal towing-path near Sawbridgeworth, 1948 (Rs).

543. *Arrhenatherum elatius* (L.) J. & C. Presl. : FALSE OAT  
Common everywhere.

544. *Phragmites communis* Trin. : COMMON REED  
Common in wet places by the river and canal. Hatfield Forest, by the lake.

545. *Cynosurus cristatus* L. : CRESTED DOG'S-TAIL GRASS  
Hockerill meadows, 1939; Patmore Heath, 1950 (Ad).

546. *Koeleria gracilis* Pers. : CRESTED KEOLERIA  
Patmore Heath, 1950 (Ad).

547. *Catabrosa aquatica* (L.) Beauv. : WATER WHORL-GRASS  
By the River Stort, 1940 (As). Found in much the same place as recorded in the *Flora Hertfordensis*. Also on dredged mud by the river at South Mill, 1940 (As); between the Castle and the railway at Stortford, 1949 (Pr and Kk).

548. *Melica uniflora* Retz. : WOOD MELICK  
Occasional.

549. *Dactylis glomerata* L. : COCK'S-FOOT GRASS  
Common everywhere.
550. *Briza media* L. : COMMON QUAKING GRASS  
Common. Hatfield Forest, etc.
551. *Poa annua* L. : ANNUAL MEADOW-GRASS  
Universal.
552. *Poa compressa* L. : FLAT-STEMMED MEADOW-GRASS  
Between the Castle and the railway, Bishop's Stortford, 1949 (Kk).
553. *Poa pratensis* agg. : SMOOTH MEADOW-GRASS  
Common everywhere.
554. *Poa trivialis* L. : ROUGHISH MEADOW-GRASS  
Occasional.
555. *Glyceria fluitans* (L.) R. Br. : FLOTE-GRASS  
Occasional.
556. *Glyceria maxima* (Hartm.) Holmb. : REED MEADOW-GRASS  
By the river and canal.
557. *Festuca pratensis* Huds. : MEADOW FESCUE-GRASS  
College meadows, 1939; Hockerill meadows; on hedge banks in  
Maple Avenue; the town meads.
558. *Bromus ramosus* Huds. : HAIRY WOOD BROME-GRASS  
In the town, 1939 (As); Sawbridgeworth.
559. *Bromus sterilis* L. : BARREN BROME-GRASS  
Common everywhere.
560. *Brachypodium sylvaticum* (Huds.) Beauv. : SLENDER FALSE  
BROME-GRASS  
Occasional.
561. *Lolium perenne* L. : PERENNIAL RYE-GRASS  
Universal.
562. *Lolium temulentum* L. : DARNEL  
Common everywhere.

563. *Agropyron repens* (L.) Beauv. : COUGH-GRASS  
(QUITCH, TWITCH)  
Universal.
564. *Nardus stricta* L. : MAT-GRASS  
Patmore Heath, 1950 (Ad).
565. *Hordeum nodosum* L. : MEADOW BARLEY  
Occasional.
566. *Hordeum murinum* L. : WALL BARLEY  
Common everywhere.

## CONIFERAE

A number of species in this Natural Order occur in our district. Most of these have been introduced and have been planted for ornamental purposes in gardens in and around the town and in parks like Hatfield Forest.

The following list has been compiled by Mr. H. J. Holmes of our Society.

### Cupressaceae

567. *Juniperus communis* L. : COMMON JUNIPER

### Taxaceae

568. *Taxus baccata* L. : COMMON YEW  
Frequent in churchyards throughout the district. Also at Plaw Hatch, Hatfield Forest, Manuden (Vicarage garden), and elsewhere.

### Pinaceae

569. *Pinus sylvestris* L. : SCOTCH FIR  
In gardens; also near the Shell House in Hatfield Forest.
570. *Pinus nigra* Arnold : CORSICAN PINE  
In gardens.
571. *Pinus wallichiana* Jackson : BHUTAN PINE  
In Dunmow Road, Bishop's Stortford.

572. *Pinus pinea* L. : STONE PINE  
A fine specimen in Elgin Coppice at Hatfield Forest.
573. *Larix decidua* Mill. : LARCH  
Single trees in gardens; occasional plantations. At Thorley; Hockerill Halt.
574. *Picea abies* (L.) Karsten : NORWAY SPRUCE  
Common in plantations and gardens.
575. *Picea omorika* Bolle : SERBIAN SPRUCE  
In gardens; Plaw Hatch.
576. *Abies alba* Mill. : EUROPEAN SILVER FIR  
In gardens and plantations.
577. *Cedrus libani* Loud. : CEDAR OF LEBANON  
Plaw Hatch; Hockerill Training College; Gilston Park; and in other grounds and gardens.
578. *Cedrus deodara* Loud. : DEODAR  
In Elgin Coppice at Hatfield Forest; Hockerill Training College.
579. *Cedrus atlantica* Manetti : ATLAS CEDAR  
In parks and gardens; Hatfield Forest.
580. *Cupressus macrocarpa* Hart. : MONTEREY CYPRESS  
Common in gardens.
581. *Chamaecyparis lawsoniana* (Murray) Parlatores :  
LAWSON'S CYPRESS  
Common in gardens.
582. *Sequoia wellingtonia* Seeman : MAMMOTH TREE  
In gardens; frequent in this area.
583. *Sequoia sempervirens* (Lambert) Endlicher : REDWOOD  
In gardens; frequent in this area.
584. *Araucaria araucana* (Molina) K. Koch : MONKEY PUZZLE  
Occasional in gardens, becoming rare.
585. *Taxodium distichum* Rich. : DECIDUOUS CYPRESS  
Elgin Coppice at Hatfield Forest; St. Mary's Convent, Bishop's Stortford.

## PTERIDOPHYTA

### Ophioglossaceae

586. *Ophioglossum vulgatum* L. : ADDER'S TONGUE  
Plahting's Wood.

### Polypodiaceae

587. *Pteridium aquilinum* (L.) Kuhn : BRACKEN  
There are colonies of it in various woods in our district but no extensive areas of it. Long Meadow; Brewery Fields; Bloodhounds Wood, etc.

588. *Dryopteris filix-mas* agg. : MALE FERN  
In most of the woods in this district, sparingly.

589. *Dryopteris spinulosa* (Mull.) Warr :  
NARROW PRICKLY-TOOTHED FERN  
Hatfield Forest (Spittlemore Coppice); Broome Wood.

### Equisetaceae

590. *Equisetum telmateia* Ehrh. : GREAT HORSE-TAIL  
Hatfield Forest, at the end of the lake near Shell House.

591. *Equisetum arvense* L. : COMMON HORSE-TAIL  
Frequent in waste places.

592. *Equisetum palustre* L. : MARSH HORSE-TAIL  
Common in wet places. Hatfield Forest, in the swamp, etc.

### Addendum

- 43a. *Coronopus didymus* (L.) Sm. : LESSER WARTCRESS  
(SWINECRESS)  
A weed in a garden in Maple Avenue, 1951 (Ad).

- 55a. *Saponaria officinalis* L. : SOAPWORT  
Henham, in sand-pits by the roadside (Cd). Possibly not truly wild as the site was long ago occupied by cottages. These were pulled down twenty years ago and the plant has been there ever since. "Has colonized my garden in Windhill" (An).

- 557a. *Festuca ovina* L. : SHEEP'S FESCUE  
Hatfield Forest; Patmore Heath, 1951.