

## ADDITIONS TO THE FLORA OF LUNDY

By H. J. M. BOWEN, Magdalen College, Oxford.

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Lundy, an island in the Bristol Channel situated twelve miles from North Devon (its Watsonian vice-county), and twenty-four miles from South Wales, is of considerable botanical interest. The most interesting feature for the visiting botanist in July and August will undoubtedly be the endemic Lundy cabbage, *Rhynchosinapis Wrightii*, first recognised as a distinct species by Dr. F. R. Elliston Wright in 1936. This plant is common on cliffs on the east side of the island, and seems to be in no danger of extermination.

The topography of the island merits a brief description. The major portion consists of a granite tableland over a hundred metres high, covered by a layer of boggy peat, with a flora closely similar to that of Dartmoor. Locally dominant plants include *Calluna vulgaris*, *Pteridium aquilinum* and *Salix repens*; *Wahlenbergia hederacea* occurs in one bog. An unusual plant found abundantly on the infertile north end of this region is *Ophioglossum vulgatum* ssp. *polyphyllum*. The western cliffs are precipitous and very exposed: *Armeria maritima*, *Agrostis tenuis* and *Holcus lanatus* are the dominants, while typical western plants like *Erodium maritimum*, *Asplenium marinum* and *Dryopteris aemula* are frequent. In contrast, the eastern cliffs are remarkably sheltered, and have somewhat gentler slopes. These slopes are dominated by *Pteridium aquilinum* and the recently introduced *Rhododendron ponticum*, which forms thick coverts; *Carex paniculata* tussocks make the eastern combs difficult to examine. Under the *Pteridium* grows a fairly rich flora of normally woodland plants: *Primula vulgaris*, *Lysimachia nemorum* and *Endymion non-scriptus* are common plants here, while *Scrophularia Scorodonia*, undoubtedly native, is frequent. *Angelica Archangelica* is an unusual alien which is fully naturalised in several places along the eastern cliffs. Finally, in the south-east corner of the island is an upthrust of Devonian slate which weathers much more quickly than the granite to give a slightly basic topsoil. Here, on the rapidly disintegrating cliffs, are many of the island's rarities, plants like *Trigonella orni-thopodioides*, *Lotus hispidus*, *Sarothamnus scoparius* ssp. *maritimus*, *Daucus Gingidium*, *Desmazeria marina* and *Bromus Ferronii*.

The first plant lists for Lundy are contained in primarily non-botanical works by Chanter (1871) and Loyd (1925). These authors, particularly the latter, record a number of plants that are not now to be found, and more than a few which probably never grew on the island at all (e.g. *Ranunculus Lingua* and *Centaurium latifolium*). Moreover, they record neither sedges nor grasses, which are conspicuous features of the vegetation. The first scientific flora of the island was compiled by Wright in 1933, with additions and corrections in 1935 and 1936. It

is the purpose of the present note to report further additions and to suggest some corrections to Wright's list.

My main sources of information are: Martin & Fraser (1939, *The Flora of Devon*), a valuable work which, however, includes several of Loyd's unconfirmed records (these are not included in the list below); an MS. list of plants collected by Miss J. Parsons in 1938; and the reports of the Lundy Field Society from 1947 onwards. I have also added a few records from material collected during a short visit to the island in 1951.

The sequence is that of Druce (1928, *British Plant List*), but the nomenclature is taken from Clapham, Tutin and Warburg (1952, *Flora of the British Isles*). Native plants alien to Lundy are indicated by a † before the record: plants alien to the British Isles are indicated by a † before the *B.P.L.* number.

## INITIALS AND ABBREVIATIONS.

E.D.W.—E. D. Wiggins	J.R.C.—J. R. Chanter.
<i>Fl. Dev.</i> — <i>Flora of Devon</i>	L.A.H.—L. A. Harvey
F.R.E.W.—F. R. Elliston Wright.	L.R.W.L.—L. R. W. Loyd
H.G.M.—H. G. Morgan.	M.G.—M. Goddard
H.J.M.B.—H. J. M. Bowen	R.J.—R. Jelley.

- 6/5. RANUNCULUS BULBOSUS L. Recorded L.R.W.L.; South end, H.G.M. and E.D.W.; stated not to occur, F.R.E.W.
- 6/13. R. PARVIFLORUS L. Very sparingly in dry turf under Marisco Castle, 1951, H.J.M.B.
- † R. GRAMINEUS L. A South European plant recorded by R. Etheridge in 1855 (cf. *Phyt.* (N.S.) 1, 120). There is a specimen labelled Lundy in the Stephens' Herbarium at Bristol (see Roper (1925)).
- †21/1. PAPAVER SOMNIFERUM L. Recorded *Fl. Dev.*, and noted by H.J.M.B. as planted in Millcombe.
- †31/4. CORYDALIS LUTEA (L.) DC. A few plants on Millcombe garden wall, 1951, H.J.M.B.
- †34/1. CHEIRANTHUS CHEIRI L. Recorded *Fl. Dev.*; farm walls, not common, H.J.M.B.
- 39/5. CARDAMINE HIRSUTA L. A not uncommon native in Millcombe and in damp places along the East side, generally in the shade of rocks or *Pteridium* fronds, H.J.M.B.
- †45/1. ARMORACIA RUSTICANA Gaertn., Mey. & Scherb. One plant near the farm, 1951, H.J.M.B.
- 54/2. BRASSICA NAPUS L. Recorded L.R.W.L.; uncommon colonist, Tillage field, 1951, H.J.M.B.
- †61/3. CARDARIA DRABA (L.) Desv. Recorded E.D.W., perhaps in error for *Lepidium Smithii*.
- 89/2. POLYGALA VULGARIS L. Recorded J.R.C., L.R.W.L. and *Fl. Dev.*; grazed fields, not common, H.J.M.B.
- 92/3. DIANTHUS ARMERIA L. Recorded *Fl. Dev.*, but not seen for many years and presumed extinct.
- 96/5. †SILENE ANGLICA L. A casual, recorded *Fl. Dev.* and L.R.W.L.
- 98/3. †MELANDRIUM ALBUM (Mill.) Garcke. Recorded *Fl. Dev.* and L.R.W.L., but not seen recently.
- †100/12. CERASTIUM TOMENTOSUM L. A garden escape in Millcombe and on the farm walls, 1951, H.J.M.B.

- 101/3b. †*STELLARIA APETALA* Ucria. Paths and bare places at the South end, not common and probably a colonist, H.J.M.B. (det. J. H. Burnett).
- 102/5. *ARENARIA SERPYLLIFOLIA* L. Recorded without a locality, M.G. and R.J., and perhaps in error.
- 103/2. *SAGINA SUBULATA* (Sw.) C. Presl. About fifty plants on bare ground near the North end, looking quite native, H.J.M.B.
- 104/2. †*SPERGULARIA ARVENSIS* L. var. *SATIVA* (Boenn.) Mert. & Koch. Abundant in the Tillage field, 1951, H.J.M.B. F.R.E.W. records the type, but agreed *in litt.* that his plants may have been this variety.
- 105/2. *SPERGULARIA MARGINATA* Kittel. Recorded *Fl. Dev.*; needs confirmation.
- 105/3. *SPERGULARIA SALINA* J. & C. Presl. Recorded *Fl. Dev.*; needs confirmation.
- 112/15. *HYPERICUM HUMIFUSUM* L. Recorded L.R.W.L.; Tillage field, 1948, H.G.M. and E.D.W.. Perhaps both errors for *H. pulchrum*.
- 116/1. †*LAVATERA ARBOREA* L. Planted in several stations near bird traps in 1950, and flourishing.
- 125/3. *LINUM CATHARTICUM* L. S.W. corner, M.G. and R.J.; common and appearing native there, H.J.M.B.
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147/3. *EUONYMUS JAPONICUS* L. f. Partly naturalised in Millcombe, H.J.M.B.; Stonycroft, and planted near the Old Light, 1950, L.A.H.
- 155/10. *TRIFOLIUM SCAPRUM* L. Recorded M.G. and R.J., almost certainly in error for *T. striatum*.
- 160/7. *LOTUS HISPIDUS* DC. Not uncommon at Lametry, 1949, L.A.H.; one large plant at the South Light, 1951, H.J.M.B.; rare in v.-c. 4 (N. Devon), but I have seen it at Dale Fort, Pembs. (v.-c. 45), H.J.M.B.
- 176/34. †*VICIA HIRSUTA* (L.) S. F. Gray. Near farm, 1948, M.G. and R.J.; still there, 1951, H.J.M.B.
- 185/29. *RUBUS POLYANTHEMOS* Lindeb. Recorded by W. P. Hiern in *Fl. Dev.*
- 185/66. *R. PYRAMIDALIS* Kalt. Recorded by W. P. Hiern in *Fl. Dev.*
- 185/153. *R. CAESIUS* L. Recorded by W. P. Hiern in *Fl. Dev.*
- 191/1. *AGRIMONIA EUPATORIA* L. Recorded M.G. and R.J.; needs confirmation.
- 194/6. †*ROSA CANINA* L. Recorded M.G. and R.J., probably in error for the next.
- 194/14. †*R. MICRANTHA* Sm. ? A non-flowering sweetbriar growing in Millcombe path in 1951 is probably this species, but it is not a native plant.
- 195/13. †*SORBUS ARIA* agg. Several moribund young trees planted in Millcombe.
- †204/2. *ESCALLONIA MACRANTHA* Hook. & Arn. Planted in Millcombe and flourishing, H.J.M.B.
- 220/4. *EPILOBIUM PARVIFLORUM* Schreb. Recorded M.G. and R.J., almost certainly in error for *E. montanum* or *E. obscurum*.
- †224/1. *FUCHSIA MAGELLANICA* Lam. var. *RICCARTONII* (Lebas) Bailey. Naturalised in Millcombe, H.J.M.B.; Stonycroft, and planted at the Old Light, L.A.H.
- 295/1. *RUBIA PEREGRINA* L. South end, 1948, E.D.W.; needs confirmation.
- 296/6. *GALIUM ULIGINOSUM* L. Recorded L.R.W.L.; about five plants in a boggy part of St. John's valley, H.J.M.B.
- 301/1. *VALERIANA OFFICINALIS* L. Recorded M.G. and R.J.; needs confirmation.
- †320/3. *ERIGERON CANADENSIS* L. A casual once recorded in *Fl. Dev.*
- 324/3. †*FILAGO GERMANICA* (L.) L. Recorded L.R.W.L.; casual, Tillage field, 1947, H.G.M. (with a query).
- †370/13. *CHRYSANTHEMUM PARTHENIUM* (L.) Bernh. Millcombe, 1951, H.J.M.B.
- 371/2. †*MATRICARIA CHAMOMILLA* L. A casual, recorded L.R.W.L. and *Fl. Dev.*
- 383/6. *SENECIO ERUCIFOLIUS* L. Recorded *Fl. Dev.*; needs re-identifying.
- 393/3. *ARCTIUM MINUS* (Hill) Bernh. The only burdock on the island; F.R.E.W. records the aggregate species, but agrees with this correction in a private communication.

- 396/4. CIRSIIUM ACAULON (L.) Scop. Recorded M.G. and R.J., but a most unlikely plant and probably an error for one of the other thistles.
- 441/1. †LAPSANA COMMUNIS L. Recorded L.R.W.L.; several plants under trees in Millcombe, 1951, H.J.M.B.
- 445/1. PICRIS ECHIOIDES L. Recorded *Fl. Dev.*, not seen recently.
- 422/1. LEONTODON HISPIDUS L. Recorded L.R.W.L.; S.W. corner, M.G. and R.J.; not common there, H.J.M.B.
- †452/1. RHODODENDRON PONTICUM L. Dominant on the eastern cliffs, and planted near Middle Pond.
- 457/5. LIMONIUM BINERVOSUM (G. E. Sm.) C. E. Salmon. Recorded J.R.C., L.R.W.L., etc.; Jenny's Cove, L.A.H. (det. A. R. Clapham); about 200 plants of a stunted form of this species, just above the spray zone, H.J.M.B.
- †473/1. VINCA MAJOR L. Planted in Millcombe, H.J.M.B.
- †498/1. BORAGO OFFICINALIS L. Recorded L.R.W.L.; Millcombe, 1951, H.J.M.B.
- 517/2. †SOLANUM NIGRUM L. A casual, recorded L.R.W.L. and *Fl. Dev.*
- 524/1. †HYOSCYAMUS NIGER L. A casual, recorded *Fl. Dev.*
- 543/19. †VERONICA AGRESTIS L. ? Recorded J.R.C. and, with a query, *Fl. Dev.*
- †558/4. MENTHA SPICATA L. emend. Huds. A garden relict in Millcombe and near the old Post Office, H.J.M.B.
- 577/6. †STACHYS ARVENSIS (L.) L. Tillage field, 1947, M.G. and R.J.; not uncommon there, 1951, H.J.M.B.
- 588/9. †PLANTAGO MEDIA L. Recorded L.R.W.L. and *Fl. Dev.*; Landing cove, 1951, H.J.M.B.
- 606/3. †ATRIplex PATULA L. Recorded *Fl. Dev.*; near the farm, 1951, H.J.M.B.
- 615/15. POLYGONUM AEQUALE Lindm. This is the common knotgrass; it is recorded as *P. aviculare* by F.R.E.W.
- 618/3b. RUMEX CRISPUS L. var. TRIGRANULATUS Syme. About fifty plants on the driftline, among shingle and boulders, at Landing Cove, H.J.M.B.
- 628/14 †EUPHORBIA PEPLUS L. Recorded L.R.W.L.; a few plants in Millcombe, near the big house, 1951, H.J.M.B.
- 628/17. EUPHORBIA PEPLIS L. Recorded *Fl. Dev.*, now presumed extinct.
- 651/3. †POPULUS NIGRA L. Once planted according to Hiern in *Fl. Dev.*, but no longer to be found.
- 663/1. LISTERA OVATA (L.) R.Br. Recorded, on the evidence of a visitor, by the 1951 warden; a most unlikely native.
- 664/2. SPIRANTHES SPIRALIS (L.) Chevall. About a dozen flourishing plants near the Rocket Pond, first found 1948, L.A.H.
- †683/1. CROCOSMIA × CROCOSMIIFLORA (Lemoine) N.E.Br. Planted in Millcombe, H.J.M.B.
- †697/1. YUCCA GLORIOSA L. Planted in Millcombe, H.J.M.B.
- 727/1. LEMNA MINOR L. Recorded J.R.C. and L.R.W.L.; pools on the East side, H.G.M. and E.D.W., confirmed H.J.M.B.
- 753/61. CAREX PAIRAEI F. Schultz. East side, not uncommon, H.J.M.B. (det. J.H. Burnett); in a private communication F.R.E.W. agrees that his record of *C. spicata* was probably an error for this species.
- 770/1. †ALOPECURUS PRATENSIS L. Several large clumps near the farm, 1951, H.J.M.B.
- †794/7. AVENA SATIVA L. Casual, near the farm, 1951, H.J.M.B.
- 824/2. †POA PRATENSIS L. ssp. PRATENSIS. Near the farm, 1951, H.J.M.B.; ssp. *subcaerulea* (Sm.) Tutin is native and much commoner.
- 826/9. FESTUCA OVINA L. Recorded *Fl. Dev.*; native, but not so common as *F. rubra*, H.J.M.B.
- †827/16. BROMUS SECALINUS L. A few plants near the Hotel, 1951, H.J.M.B.
- 827/20. B. FERRONIH Mabille. Common on the cliffs, South end and perhaps elsewhere, flowering much earlier than *B. mollis* and soon drying up, H.J.M.B.
- †831/1. SECALE CEREALE L. Casual, near farm, 1951, H.J.M.B.
- †841/4. PINUS NIGRA Arnold ssp. NIGRA. Planted in Millcombe with *P. radiata* Don, H.J.M.B.

- 844/. Equisetum sp. Quarry Bay, at sea-level, 1948, H.G.M.; should be re-found and identified.
- 856/3. Dryopteris austriaca (Jacq.) Woyнар. Recorded L.R.W.L., and confirmed by H. W. Pugsley in 1934; not reported since.

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