

*BRITISH,
JOURNAL OF
HERPETOLOGY*

No. 1

JUNE 1948

PRICE - FOUR SHILLINGS

BRITISH HERPETOLOGICAL SOCIETY

OFFICERS.

President.—MALCOLM SMITH. British Museum (Natural History), London, S.W.7.

Secretary.—A. G. LEUSCHER. British Museum (Natural History), London, S.W.7.

Editor.—A. D'A. BELLAIRS, Dept. of Anatomy, London Hospital Medical College,
Turner Street, London, E.1.

H. W. PARKER, British Museum (Natural History), London, S.W.7.

HELEN SPURWAY, Department of Biometry, University College, Gower Street,
London, W.C.1.

BRITISH JOURNAL OF HERPETOLOGY.

The Journal of the British Herpetological Society. It has been inaugurated to promote the study of reptiles and amphibia and to publish observations on their structure, classification, habits and life histories.

Contents of No. 1, June, 1948.

H.R.H. TAYLOR.—The distribution of Reptiles and Amphibia in the British Isles, with Notes on Species recently introduced. Page 1—38.

Contributions should be addressed to the Editor. Articles should be typed in double-spacing on one side of the paper only. Figures should be drawn in Indian ink on plain white paper.

*The Distribution of Reptiles and Amphibia
in the British Isles, with Notes on Species
recently introduced*

By R. H. R. Taylor

CONTENTS.

	PAGE		PAGE
Introduction	3, 4	<i>Rana temporaria</i>	23, 24
List of Authorities 4, 5, 6, 7, 8, 9, 10		<i>Rana ridibunda</i>	24
<i>Dermochelys coriacea</i>	10	<i>Rana esculenta</i>	24
<i>Eretmochelys imbricata</i>	10	<i>Hyla arborea</i>	25
<i>Caretta caretta</i>	10, 11	<i>Alytes obstetricans</i>	25
<i>Lepidochelys kempi</i>	11	Maps	
Unidentified turtles	11	Marine Turtles	26
<i>Terrapins (Various)</i>	11	<i>Anguis fragilis</i>	27
<i>Anguis fragilis</i>	11, 12,	<i>Lacerta vivipara</i>	28
<i>Lacerta vivipara</i>	13, 14	<i>Lacerta agilis</i>	29
<i>Lacerta viridis</i>	14	<i>Coronella austriaca</i>	29
<i>Lacerta muralis</i>	14	<i>Natrix natrix</i>	30
<i>Lacerta agilis</i>	15	<i>Vipera berus</i>	31
<i>Coronella austriaca</i>	15	<i>Triturus helveticus</i>	32
<i>Natrix natrix</i>	17	<i>Triturus cristatus</i>	33
<i>Vipera berus</i>	15, 16	<i>Triturus vulgaris</i>	34
<i>Triturus helveticus</i>	18	<i>Bufo calamita</i>	35
<i>Triturus cristatus</i>	19	<i>Bufo bufo</i>	36
<i>Triturus vulgaris</i>	20, 21	<i>Rana ridibunda</i>	37
<i>Bufo calamita</i>	21	<i>Rana esculenta</i>	37
<i>Bufo bufo</i>	21, 22	<i>Rana temporaria</i>	38

REPTILES AND AMPHIBIA IN THE BRITISH ISLES.

INTRODUCTION.

Although most of the British reptiles and amphibia are familiar creatures, no detailed account of their distribution has previously been published. In this paper a complete record of the occurrence of the different species in the British Isles and Channel Isles is presented and illustrated with the aid of maps. The method employed is as follows.

1. The system of dividing the British Isles into vice-counties has been adopted. Regarding these, the following modifications have been made:—

- (a) The Scilly Isles are included in Cornwall W.
- (b) Lundy I. is included in Devon N.
- (c) The County of London is considered as a division of its own, and is marked by a ring. (⊙).
- (d) North Lancashire and Westmoreland, normally included together, have been considered separately.

A list of all the vice-counties in the British Isles, and their numbers on the maps, is given below. Where a species is marked as being recorded from a vice-county this does not necessarily indicate that it occurs throughout the vice-county. Vice-counties from which no records have been obtained are left white in the maps.

ENGLAND AND WALES		TRENT	W. HIGHLANDS
	PENINSULA	53 Leicester with Rutland	97 Westernness
1	West Cornwall with Scilly	54 South Lincoln	(West Inverness with
2	East Cornwall	55 North Lincoln	North Argyll)
3	South Devon	56 Nottingham	98 Argyll (Main)
4	North Devon	57 Derby	99 Dumbarton
5	South Somerset	MESSEY	100 Clyde Isles
6	North Somerset	58 Cheshire	101 Kintyre
	CHANNEL	59 South Lancashire	102 South Ebudes (Islay, etc.)
7	North Wilts.	60 Mid Lancashire	103 Mid Ebudes (Mull, etc.)
8	South Wilts.	HUMBER	104 North Ebudes (Skye, etc.)
9	Dorset	61 South-east York	N. HIGHLANDS
10	Isle of Wight	62 North-east York	105 West Ross
11	Hants. South	63 South-west York	106 East Ross
12	Hants. North	64 Mid-west York	107 East Sutherland
13	West Sussex	65 North-west York	108 West Sutherland
14	East Sussex	TYNE	109 Caithness
	THAMES	66 Durham	NORTH ISLES
15	East Kent	67 Northumberland, South	Outer Hebrides
16	West Kent	68 Cheviotland, or Northum-	111 Orkney
17	Surrey	berland, North	112 Shetland
18	South Essex	LAKES	IRELAND
19	North Essex	69 Westmoreland with	1 South Kerry
20	Herts.	North Lancashire	2 North Kerry
21	Middlesex	70 Cumberland	3 West Cork
22	Berks.	71 Isle of Man	4 Mid Cork
23	Oxford	SCOTLAND	5 East Cork
24	Bucks.	W. LOWLANDS	6 Waterford
	ANGLIA	72 Dumfries	7 South Tipperary
25	East Suffolk	73 Kirkeudbright	8 Limerick
26	West Suffolk	74 Wigtown	9 Clare with Aran Isles
27	East Norfolk	75 Ayr	10 North Tipperary
28	West Norfolk	76 Kenfrew	11 Kilkenny
29	Cambridge	77 Lanark	12 Wexford
30	Bedford and detached	E. LOWLANDS	13 Carlow
	part of Hunts.	78 Peebles	14 Leix
31	Hunts.	79 Selkirk	15 South-east Galway
32	Northampton	80 Roxburgh	16 West Galway
	SEVERN	81 Berwick	17 North-east Galway
33	East Gloucester	82 East Lothian	18 Offaly
34	West Gloucester	83 Midlothian	19 Kildare
35	Monmouth	84 West Lothian	20 Wicklow
36	Hereford	E. HIGHLANDS	21 Dublin
37	Worcester	85 Fife with Kinross	22 Meath
38	Warwick	86 Stirling	23 Westmeath
39	Stafford and Dudley	87 South Perth with	24 Longford
	Shropshire	Clackmannan, and	25 Roscommon
	SOUTH WALES	parts of Stirling	26 East Mayo
41	Glamorgan	88 Mid Perth	27 West Mayo
42	Brecon	89 North Perth	28 Sligo
43	Radnor	90 Angus or Forfar	29 Leitrim
44	Carmarthen	91 Kincardine	30 Cavan
45	Pembroke	92 South Aberdeen	31 Louth
46	Cardigan	93 North Aberdeen	32 Monaghan
	NORTH WALES	94 Banff	33 Fermanagh
47	Montgomery	95 Moray or Elgin	34 East Donegal
48	Merioneth	96 Easternness	35 West Donegal
49	Caernarvon	(East Inverness with	36 Tyrone
50	Denbigh and parts of Flint	Nairn)	37 Armagh
	and Caernarvon		38 Down
51	Flint		39 Antrim
52	Anglesey		40 Derry

REPTILES AND AMPHIBIA IN THE BRITISH ISLES.

- 20 BOULENGER, G. A.—On the Reptiles and Batrachians. Victoria County Hist. of Northampton. 1902.
- 21 " —Zoologist Vol. 44, 1886, p.250.
- 21A " —Proc. South London Ent. and Nat. Hist. Soc. 1919.
- 22 BRITISH MUSEUM (NAT. HIST.)—Specimens and photographs in the collection.
- 23
- 24 BROMFIELD, W. A.—Zoologist, Vol. 6, 1848, p.2304.
- 25 BROWN, A.—Fauna, Flora and Geology of the Clyde Area, 1901.
- 26 BROWNE, M.—Notes on the Vertebrate Animals of Leicestershire, Zoologist, Vol. 45, 1887.
- 27 " —The vertebrate animals of Leicestershire and Rutland, 1889.
- 28 " —On the Reptiles and Batrachians. Victoria County of Leicester, 1907.
- 29 BULL, H.—Zoologist, Vol. 7, 1849, p.2394.
- 30 CAMBRIDGE, O. P.—Notes on the Reptiles and Batrachians of Dorset. P.Dorset Club. Vol. 15, 1894.
- 31 " —Zoologist, Vol. 37, 1879, p.461.
- 32 " —Zoologist, Vol. 50, 1892, p.232.
- 33 CAMPBELL, J. M.—Reptiles of Clydesdale and West of Scotland. A contribution towards a complete list of the Fauna and Flora of Clydesdale and West of Scotland, 1876.
- 34 CARR, J. W.—Zoologist, Vol. 12, 1908, p.34.
- 35 " —On the Reptiles and Batrachians. Victoria County Hist. of Nottingham, 1906.
- 36 CARTER, J.—Zoologist, Vol. 51, 1893, p.397.
- 37 CHARBONNIER, H. J.—Notes on the Reptiles, Amphibia and Fish of the Bristol District. P. Bristol Soc. Vol. 5, 1887, p.133.
- 38 CHARLTON, G. V.—Zoologist, Vol. 51, 1893, p.397.
- 39 CHARNLEY, J. R.—Vertebrate Fauna of the Blackpool District. Prepared for Brit. Assoc., 1936.
- 40 CHOPE, R. P.—Adder and its young. Rep. Devon Ass. Adv. Sci, 1936, pp.133-135.
- 41 CLARKE, J.—On the Reptiles and Batrachians. Victoria County History of Cornwall. 1906.
- 42 CLARKE, W. G.—List of Reptiles and Batrachians in the neighbourhood of Thetford, Tr. Norfolk Soc. VI, 1897.
- 43 CLARKE, W. J.—Zoologist, Vol. 52, 1894, p.191.
- 44 CLOGG, S.—Zoologist, Vol. 27, 1869, p.1724.
- 45 " —Zoologist, Vol. 33, 1875, p.4343.
- 46 COLLENETTE, C. L.—A History of Richmond Park, with an account of its birds and animals, 1938.
- 47 CORBEN, G. B.—Zoologist, Vol. 1, 1897, p.431.
- 48 CORNISH, C. J.—On the Reptiles and Batrachians. Victoria County Hist. of Berkshire. 1906.
- 49 CORNISH, T.—(Jonathan Couch's list of Cornish reptiles revised by Cornish). The Journal of the Royal Institute of Cornwall, Vol. 19, 1877, pp.425-427.
- 50 COWARD, T. A.—(and OLDHAM, C.)—The reptiles and amphibians of Cheshire (In the vertebrate Fauna of Cheshire and Liverpool Bay 2), 1910.
- 51 " —In Lawson's "A check list of the fauna of Lancashire and Cheshire," 1930. Arbroath.
- 52 " —Zoologist, Vol. 5, 1901, p.355.
- 53 " —Zoologist, Vol. 9, 1905, p.316.
- 54 COWIN, W. S.—Observations recorded in a letter, 1946.
- 55 CROSSMAN, A. F.—On the Reptiles and Batrachians. Victoria County Hist. of Hertford, 1902.

- 56 CUMMINGS, B. F.—Zoologist, Vol. 13, 1909, p.445.
57 „ —Zoologist, Vol. 16, 1912, p.38.
58 DARK, S. T. E.—Observations recorded in a letter, 1938.
59 DIVER, C.—Observations recorded in a letter, June, 1938.
60 DIXON, H. N.—Proc. Linn. Soc., London, 1933-34, pp.23-24.
61 DOVER, W. K.—Zoologist, Vol. 35, 1877, p.451.
62 DUNS, PROF.—Proc. Roy. Soc., Edinburgh, Vol. 5, 1866, p.619.
63 EDWARD, T.—Zoologist, Vol. 19, 1861, p.7713.
64 ELMHIRST, R.—Observations on Isle of Cumbrae, 1946 (recorded in a letter).
65 EVANS, A. H.—A vertebrate fauna of the Tweed area including Farne Islands (Berwick Roxburgh, Selkirk), 1911.
66 EVANS, W.—On the Reptiles and Batrachians of the Edinburgh District. P.Phys. Soc., Edinburgh, Vol. 12, 1894.
66A „ —Scot. Nat. 1921, p.21.
67 FAWCETT, J. W.—Reptiles and Amphibians of the County of Durham. Naturalist, 1900, p.36.
68 FISHWICK, J. L.—On the Reptiles and Batrachians. Victoria County Hist. of Bedford, 1904.
69 FITTER, R. S. R.—London Naturalist, 1940, pp.18-19.
70 „ —London Naturalist, 1944.
71 „ —Observations recorded in a letter, 1946.
72 FLINTOFF, R. J.—(and HARRISON, D. and MACKLEY, C.)—Hole of Horum, Saltersgate. North Western Naturalist, 1938.
73 FLOWERS, S. S.—Zoologist, Vol. 5, 1901, p.430.
74 FORREST, H. E.—Caradoc Record, 1891 to 1914.
75 „ —Caradoc Record, 1915 to 1941.
76 „ —Fauna of Shropshire, 1899.
77 „ —On the Reptiles and Batrachians. Victoria County Hist. of Shropshire, 1908.
78 „ —Zoologist, Vol. 15, 1911, p.239.
79 „ —The vertebrate Fauna of North Wales, 1907.
80 „ —Handbook of vertebrate Fauna of North Wales, 1919.
81 „ —Zoologist, Vol. 8, 1904, p.391.
82 „ —Zoologist, Vol. 12, 1908, p.159.
83 FOSTER, A. H.—Reptiles and Amphibians, in Hine's "The Natural History of the Hitchin Region, 1934, pp.201-204.
84 GADOW, H.—Reptilia and Amphibia of Cambridgeshire. In J. E. Marr and A. E. Shipley Handbook to the Natural History of Cambridgeshire, 1904.
85 GALLWEY, E.—Naturalist, London, 1933, p.97.
86 „ —Naturalist, London, 1934, pp.97-105.
87 GIBBS, A. E.—On the Reptiles and Batrachians. Victoria County Hist. of Buckinghamshire, 1905.
88 GILL, L. E.—On the Reptiles and Batrachians. Victoria County Hist. of Durham, 1905.
89 GLADSTONE, H.—A catalogue of the fauna of Dumfriesshire, 1912.
90 GORDON, G.—Zoologist, Vol. 23, 1865, p.9457.
91 GRABHAM, O.—On the Reptiles and Batrachians. Victoria County Hist. of Yorkshire, 1907.
92 GREENING, L.—Zoologist, Vol. 44, 1886, p.250.
93 HAINES, C. R.—On the Reptiles and Batrachians. Victoria County Hist. of Rutland, 1908.
94 HALL, L. B.—Proc. Bournemouth Nat. Sci. Soc. 20, 1928.
95 „ —London Nat. 1928-1929, p.60.
96 „ —Field, Feb. 1, 1936, p.238.

REPTILES AND AMPHIBIA IN THE BRITISH ISLES.

- 97 HARDCASTLE, F. R.—Catalogue of local reptilia and amphibia. Trans. Eastbourne Nat. Hist. Soc., 1922.
- 98 HARDING, A.—On the Reptiles and Batrachians. Victoria County Hist. of Huntingdon, 1926.
- 99 HARDY, E.—Field, 174, 1939, p.415.
- 100 HARRIS, G. T.—Nature, 132, 1933, p.482.
- 101 HARRISON, J. W. H.—The Natural History of the Island of Raasay and of the adjacent Isles of South Rona, Scalpay, Longay and Fladday. Scot. Nat. Edinburgh, 1937, pp.61-71.
- 102 HARVEY, J. R.—The reptiles of Cork. Contribution towards a Fauna and Flora of the County of Cork, 1845.
- 103 HARVIE BROWN, T. A.—A vertebrate Fauna of Scotland; Tay Basin and Strathmore, 1906.
- 104 „ —(and BUCKLEY, T. E.) Vertebrate Fauna of Argyll and Inner Hebrides, 1892.
- 105 „ —(and BUCKLEY, T. E.) Vertebrate Fauna Moray Basin ii, 1896.
- 106 „ —(and BUCKLEY, T. E.) Vertebrate Fauna of the Outer Hebrides, 1888.
- 107 „ —(and BUCKLEY, T. E.) Vertebrate Fauna of Sutherland, Caithness and West Cromarty, 1888.
- 108 „ —(and MACPHERSON, H. A.). A Vertebrate Fauna of Scotland; N.W. Highlands and Skye, 1904.
- 109 „ —(and BUCKLEY, T. E.) Vertebrate Fauna of the Orkney Isles, 1891.
- 110 „ —(and BUCKLEY, T. E.) Vertebrate Fauna of the Shetland Isles, 1899.
- 111 HAZELWOOD, A.—Yorkshire Nat. Union Annual Reports, 1942-43 and '44.
- 112 HEPBURN, A.—Zoologist, Vol. 6, 1848, p.2027.
- 113 HINXMAN and EAGLE CLARK, W.—List of Reptiles and Batrachians of West Ross-shire. P. Phys. Soc. Edinburgh, Vol. 12, 1894, p.415.
- 114 HISTORY BERWICKSHIRE NAT. CLUB.—1919 to 1931.
- 115 HONY, G. B.—The Reptiles, Amphibians and Fish of Wilts. Wilts. Arch. and N.H. Mag., Vol. 39, June, 1916, p.258 and p.405.
- 116 HULL, J. E.—Vasculum, Newcastle, 1936.
- 117 IMMS, A. D.—A scientific survey of the Cambridge District. Rep. Brit. Assoc. Adv. Sci., 1938.
- 118 INCHBALD, P.—(Reptiles of Llandudno and District) Williams's Complete Guide to Llandudno, 1860.
- 119 JANE, F. W.—Trans. Hertfordshire Nat. Hist. Soc., 1946.
- 120 JERSEY MUSEUM.—Specimen in.
- 121 JOHNSTONE, J.—On the Reptiles and Batrachians. Victoria County Hist. of Lancashire, 1906.
- 122 KENSALL, J. E.—The Reptiles of Hampshire and Isle of Wight. P. Hamps. Field Club, 1897.
- 123 KERMODE, —Isle of Man Zool., 1893, pp.64 and 65.
- 124 KIDD, F. L., PYEFINCH, K. A. and BUTLER, P. M.—The Ecology of Bardsey Island, Topography and types of environment. J. Animal Ecology, London, 1935.
- 125 LARKEN, E. P.—Zoologist, Vol. 45, 1887, p.237.
- 126 LAVER, H.—On the Reptiles and Batrachians. Victoria County History of Essex, 1903.
- 127 LEIGHTON, G. R.—The Life History of British Serpents and their local distribution in the British Isles, 1901.
- 128 „ —The Life History of British Lizards and their local distribution in the British Isles, 1903.

- 129 LEIGHTON, G. R.—Rep. Brit. Ass. 1903, p.694.
 130 " —On the Reptiles and Batrachians. Victoria County Hist. of Hereford, 1908.
 131 " —Zoologist, Vol. 5, 1901, p.25.
 131A LESTER, J.—Personal observations, 1947.
 132 LEUTSCHER, E.—Countryside, 1939, p.440.
 133 LLOYD, BERTRAM.—Census of Pembrokeshire Reptiles and Amphibians recorded in a letter dated 1946.
 134 LLOYD, B.—Trans. Herts. Nat. Hist. Soc., Vol. 20, 1936
 135 " —Trans. Herts. Nat. Hist. Soc., Vol. 21, 1939, pp.64-66.
 136 LODGE, G. E.—Zoologist, Vol. 45, 1887, p.272.
 137 LONGFIELD, C.—Zoologist, Vol. 39, 1881, p.337.
 138 LOTHERINGTON, E. B.—Naturalist, London, 1934, pp.129-130.
 139 LOVERIDGE, A.—Cardiff Nat. Hist. Soc. Trans., Vol. 46, 1914.
 140 " —Reptiles and Amphibians in Glamorgan. Glamorgan County History, 1936.
 141 " —Zoologist, Vol. 17, 1913, p.235.
 142 " —Zoologist, Vol. 18, 1914, p.358.
 143 LOWE, E. E.—On the Reptiles and Batrachians. Victoria County Hist. of Devonshire, 1906.
 144 " and others—The Zoology of Leicestershire. Rep. Brit. Assoc. Adv. Sci. 103, 1933.
 145 LUMSDEN, E. S.—Zoologist, Vol. 5, 1901, p.479.
 145A MacGREGOR, A.—Scot. Nat. 1914, p.165-166.
 146 MACINTYRE, D. M.—Field, London, 152, 12th July, 1928, p.74.
 147 MacLEAN, D.—Scot. Nat. Edinburgh, 1927, p.100.
 148 MacPHERSON, H. A.—Zoologist, Vol. 41, 1883, p.226.
 149 " —Vertebrate Fauna of Lakeland, 1892.
 150 " —On the Reptiles and Batrachians. Victorian County Hist. of Cumberland, 1901.
 151 " —Zoologist, Vol. 41, 1883, p.130.
 152 M'WILLIAM, J. M.—Scot. Nat. 155, 1925, p.159.
 153 MANCHESTER MUSEUM.—Specimens in.
 154 MARRIOTT, St. J.—British woodlands as illustrated by Lessness Abbey Woods (Kent) London, 1925, p.58.
 155 MASEFIELD, J. R. B.—(Reptiles of Staffordshire) Repts. of North Staffordshire Nat. Field Club, 1892.
 156 " —Reports Zoology-Reptilia, Trans. N. Staff. Nat. Field Club, 1926.
 157 MEYRICK, E.—Rep. Marlborough Soc. (List of reptiles and batrachians in Marlborough district), 1896.
 158 MILLER, S. H. and SKERTCHLY, S. B. J.—Fenland Past and Present (Reptiles of Bedford, Cambridge, Huntingdon, Lincoln, Norfolk), 1878.
 159 MOFFAT, C. B.—Irish Nat. Journal, Belfast, Vol. 86, 1944, pp.224-225.
 160 MORLEY, C.—Trans. Suffolk Nat. Soc. Vol. 5, 1944, p.90.
 161 MURTON, J.—Zoologist, Vol. 25, 1867, p.836.
 162 NATIONAL MUSEUM OF WALES.—Specimens in.
 163 NICOL, E. A. T.—Observations recorded in a letter, 1946.
 164 OLDHAM, C.—North Western Nat. Arboreal, Vol. 8, 1933, pp.105-110.
 165 " —Tr. Hertford Nat. Hist. Soc. Vol. 19, 1934, pp.209-210.
 166 " —Zoologist, Vol. 13, 1909, p.354.
 167 " —Zoologist, Vol. 14, 1896, p.147.
 168 " —Scot. Nat. Edinburgh, 1927, p.189.
 169 " —Observations recorded in a letter dated September, 1938.

REPTILES AND AMPHIBIA IN THE BRITISH ISLES.

- 170 OLLIS, W.—Zoologist, Vol. 9, 1905, p.317.
 171 PALMER, M. G.—Ilfracombe Fauna and Flora, 1946.
 172 PARFITT, E.—The Fauna of Devon and Report and Tr. of the Devonshire Assoc., 1877.
 173 PARKER, H. W.—Proc. Linnean Soc. of London, Session 151, 1938-39, 5 Apr., 1939
 174 " —Personal observations.
 175 " —Record recorded in letter.—See also "Evening News" 29-2-40.
 176 PAYNE, L. G.—London Naturalist, 1935, pp.83-87.
 177 PENTLAND, G. H.—Irish Nat. Dublin, Vol. 15, 1906.
 178 PICKLES, H.—A list of the mammals, reptiles, amphibians and fishes in the parish of
 Halifax. Halifax Nat., Vol. 7, 1902.
 179 PIERSON, L. G.—Annual Rep. of Marlborough N. H. Soc. for 1923, 1924.
 180 PITMAN, M. R.—Report on Nat. Hist. of Wilts. for 1936 Wilts. Arch. and N.H.
 Mag., Vol. 48, 1937.
 181 PROCTER, R.—Observations recorded in a letter dated 1946.
 182 PROJER, T. W.—List of reptilia in neighbourhood of Cardiff. Handbook for Cardiff
 and District prepared for use of the Brit. Assoc., 1891.
 183 RAMSBOTHAM, R. H.—Zoologist, Vol. 52, 1894, p.65.
 184 RIDLEY, H. N.—Zoologist, Vol.40, 1882, p.435.
 185 RINTOUL, L. J. and BAXTER, E. V.—A vertebrate Fauna of Forth, 1935.
 186 RITCHIE, J.—Trans. Perth Soc. Nat. Sci., Vol. 8, 1925.
 187 " —Scot. Nat. Edinburgh, 1924, p.165.
 188 " —Scot. Nat. Edinburgh, 1927, p.189.
 189 ROEBUCK, W. D.—In Clarke and Roebuck's Handbook of the Vertebrate Fauna of
 Yorkshire, 1881, pp.ix-x and 91-96, London and Leeds.
 190 ROPE, E. J.—The Reptiles of Suffolk, Trans. Suffolk Nat. Soc., Vol. 2, 1934.
 191 ROPE, G. T.—On the Reptiles and Batrachians. Victoria County Hist. of Suffolk, 1911.
 192 " —Zoologist, Vol. 41, 1883, p.84.
 193 ROSE, G. A. St. C.—Zoologist, Vol. 40, 1882, p.394.
 194 ROYAL SCOTTISH MUSEUM.—Specimen in.
 195 RUSKIN BUTTERFIELD, W. C. J.—On the Reptiles and Batrachians. Victoria
 County Hist. of Sussex, 1905.
 196 RUSSELL, H.—Zoologist, 1904, p.352 and p.390.
 197 SAVAGE, R. M.—Proc. Zool. Soc., London, 1935.
 198 " —Proc. Zool. Soc., London, 1939.
 199 SCHARFFE, R. F.—Clare Island Survey. Reptilia and Amphibia Proc. of the Royal
 Irish Academy, Vol. 31, 1912.
 200 " —Reptiles and Amphibians, in Handbook of the City of Dublin and
 surrounding district prepared for the Brit. Assoc., 1908.
 201 " —Zoologist, Vol. 48, 1890, p.357.
 202 SERVICE, R.—Reptiles of Kirkcudbright. In Maxwell, J. H's Guide Book to the
 Stewartry of Kirkcudbright, 1896.
 203 " —Zoologist, Vol. 39, 1881, p.424.
 204 SIM, G.—The Vertebrate Fauna of Dee, 1903.
 205 SIMPSON, F. W.—Trans. Suffolk Nat. Soc., Vol. 3, 1936, p.202.
 206 SINEL, J.—Rept. and Trans. Guernsey Soc. Nat. Sci., 1905-8.
 207 SMALLCOMBE, W. A.—Quaestionés Naturalés Reading, Vol. 1, 1933.
 208 SMITH, E. P.—J. Animal Ecol, Vol. 8, 1939, pp.168-170.
 209 SMITH, M. A.—Personal observations, 1946-47.
 210 SOUTHWELL, T.—On the Reptiles and Batrachians. Victoria County Hist. of
 Norfolk. 1901.
 211 " —Mammalia and Reptilia of Norfolk, Zoologist, 1871, pp.2751-60.
 212 STEELE ELLIOTT J.—Zoologist, Vol. 52, 1894, p.154.
 213 " —Zoologist, Vol. 9, 1905, p.315.
 214 " —Zoologist, Vol. 54, 1896, p.147.

BRITISH JOURNAL OF HERPETOLOGY.

- 215 STORER, G. H.—On the Reptiles and Batrachians. Victoria County Hist. of Stafford, 1908.
- 216 „ —On the Reptiles and Batrachians. Victoria County Hist. of Derby, 1905.
- 217 SUTHERLAND, W.—Zoologist, Vol. 19, 1861, p.7795.
- 218 SWANTON, E. W.—The Mammals, Fishes, Reptiles and Amphibians of Haslemere and District (approx. within a six mile radius). Sci. paper Haslemere Nat. Hist. Soc., Vol. 10, 1928.
- 219 TAYLOR, R. H. R.—Personal observations.
- 220 TEMPERLEY, G. W.—Observations recorded in a letter dated 1946.
- 221 TETLEY, „—Survey of Steep Holm. Proc. Bristol Nat. Soc., Vol. 8, 1939, pp.467.
- 222 THOMPSON, WM.—Reptiles of Ireland in "Natural History of Ireland," Vol. 4, 1856.
- 223 THOMSON, M. J.—Observations recorded in a letter dated 1946.
- 224 TOMES, R. F.—On the Reptiles and Batrachians. Victoria County Hist. of Worcester, 1901.
- 225 „ —On the Reptiles and Batrachians. Victoria County Hist. of Warwick, 1904.
- 226 TRANSACTIONS YORKSHIRE NAT. UNION.—Reports 1903-1904, Part 31.
- 227 TUCK, REV. J. G.—Zoologist, Vol. 7, 1903, p.278.
- 228 TUCKER, B. W.—On the Reptiles and Batrachians. Victoria County Hist. of Oxford, 1939.
- 229 VESEY-FITZGERALD, B.—Observations recorded in a letter dated May, 1946.
- 230 WADHAM, P.—In Morley's "Natural History of the I. of Wight," 1909.
- 231 „ —Proc. I. of Wight Nat. Hist. Soc. 1935, 1937.
- 232 WAGSTAFFE, R. and CLEGG, J.—Rep. Southport Sci. Soc., Vol. 30, 1936.
- 233 WARWICK, T.—Isle of Colonsay, Scot. Nat. Edinburgh, 1939, pp.75-76.
- 234 WEST, R. M.—Proc. I. of Wight Nat. Hist. Soc., 1934.
- 235 WITCHELL, C. A. and STRUGNELL, W. B.—Fauna and Flora of Gloucestershire, Stroud, 1892.
- 236 „ —Zoologist, Vol. 50, 1892, p.153.
- 237 ZUCKERMAN, S.—J. Animal Ecology, London, Vol. 4, 1935.

DERMOCHELYS CORIACEA (LEATHERY TURTLE).

- Cornwall W. 22 (35 mls. W by S of Bishops Rock, Scilly Isles).
- Dorset. 30 and 22 (Coast of Dorset).
- Suffolk E. 190 (Lowestoft, 1913).
- Yorkshire S.E. 189 and 91 (Bridlington, 1871).
- Caernarvon. 22 (Pwllheli).

ERETMOCHELYS IMBRICATA (HAWKSBILL TURTLE).

- Somerset N. and S. 4 and 14 (River Parret).
- Monmouth and Gloucester W. 235 (River Severn, 1774).
- Yorkshire N.E. 189 and 91 (Redcar, 1849).
- Banff. 204 and 63 (Greenside, east of Macduff, about 1861). [Note by compiler.—This specimen recorded also (vide 105) as *C. caretta*.]
- Orkney Isles. 109.

CARETTA CARETTA (LOGGERHEAD TURTLE).

- Cornwall W. 41 (Mousehole, 1896) — 22 (at sea off Hayle, 7-8-45 and Gwithian Sands, Hayle, 10-8-45).
- Cornwall E. 22 (Crookslets Beach, Bude, 25-8-45).
- Devon (?N or S). 22 (Coast of Devon).
- Dorset. 173 (Between Charmouth and Lyme Regis 18-12-38. Originally recorded as unidentified, but skull later examined at British Museum).

REPTILES AND AMPHIBIA IN THE BRITISH ISLES.

- Sussex W. 173 and 22 (Selsey Bill, 18-11-38 — Felpham, 11-12-38, and Bognor, 16-12-38).
 Lancashire Mid. 51, 39 and 22 (River Lune, Oct., 1927).
 Glamorgan. 162 (Oxwich Beach, 7-2-46).
 Pembroke. 173 (Tenby, 11-12-38).
 Aberdeen N. 187 and 217 (Pennan, 1861). [Note by compiler.—Originally reported (vide 63 and 204) as *E. imbricata*.]
 Ebudes N. 187 (Pool Roag, Dunvegan, Loch Bracadale, Skye, 1923).
 Outer Hebrides. 187 (Vallay, North Uist, 1898) — 194 (West side North Uist, 13-2-46).
 Shetland Isles. 194 (West side Unst, 13-12-45).
 Donegal (?E. or W.). 222 (1838).
 Galway W (Connemara). 22 (Inishmore, Aran Isles, 1926).
 Cork E. 222 (Youghal, record very doubtful).

LEPIDOCHELYS KEMPI (KEMP'S LOGGERHEAD TURTLE).

- Channel Isles. 173 and 120 (Beaumont, Jersey, 10-12-38).
 Cornwall W. 22 (Scilly Isles, 1925) — 173 and 22 (Portreath 30-12-38).
 Sussex W. 173 and 22 (Pagham Beach near Bognor 28-1-39).
 Pembroke. 162 (Freshwater West, 14-12-30).
 Merioneth. 162 (Mochras, 12-11-30). [Note by compiler.—This specimen originally reported (vide 75) as *E. imbricata*.]

UNIDENTIFIED TURTLES.

- Cornwall W. 173 (St. Ives 8—11-11-38).
 Sussex E. 173 (Bexhill 11-12-38) — 175 (Hasting 28-2-40).
 Kirkcudbright. 202 (Southernness, 1829).

TERRAPINS (VARIOUS).

- Surrey. 218. The following were introduced many years ago in the pond at Frensham Hall.
Emys orbicularis.
Chrysemys picta.
Chelydra serpentina one reached Shottermill in 1925.
 46. *Emys orbicularis* seen in Penn pond in 1934.
 Kent. E. 174. *Emys orbicularis* found in Military Canal, Appledore, 1938.
 Suffolk E. 191. *Emys lutaria* introduced Blaxhall and Little Glemham in 1894-1895, still there in 1908.
 190. *Emys lutaria* had spread to Snape in 1934.
 Isle of Wight. 230. *Emys orbicularis* introduced at St. Lawrence about 1906.

ANGUIS FRAGILIS (SLOW WORM).

- | | |
|--|--|
| Channel Isles. 206. | Berkshire. 48 — 207. |
| Cornwall W. 49 — 41 — 128. | Surrey. 17 — 128 — 218 — 22 — 46 (1918-23) — 58 (1908) — 69 (1939-40). |
| Cornwall E. 49 — 41 — 128 — 44 — 45. | London. 58 (1908). |
| Devon S. 172 — 143 — 128 — 60 (1905) — 174 (1936). | Sussex W. 195 — 218. |
| Devon N. 172 — 128 — 171 (1934). | Sussex E. 195 — 128 — 97 — 219 (1938) — 22. |
| Somerset S. 4 — 14 — 219 (1946) (1947). | Kent W. 18 — 128 — 22 — 154. |
| Somerset N. 4 — 14 — 128 — 221 (1938). | Kent E. 18 — 128 |
| Dorset. 30 — 128 — 59 (1937). | Monmouth. 130 — 128 |
| Isle of Wight. 15 — 122 — 128 — 234. | Gloucester W. 37 — 235 — 128 |
| Hampshire S. 15 — 122 — 128 — 22. | Gloucester E. 235 — 128 |
| Hampshire N. 15 — 122 — 128 — 218. | Oxfordshire. 228 |
| Wiltshire N. 157 — 128 — 116 — 115 — 180 — 179. | Buckinghamshire. 87 — 20 — 128 — 71 (1942). |
| Wiltshire S. 128 — 115 — 180. | |

ANGUIS FRACILIS (SLOWWORM)—continued

- Middlesex. 128
 Hertfordshire. 55 — 83 — 22 — 169 — 119
 Essex S. 126 — 128 — 70 (1944).
 Essex N. 126 — 128
 Hereford. 130 — 128
 Worcester. 224 — 128 — 74 — 75 (1940
 and '41).
 Warwick. 225
 Northampton. 20
 Bedford. 158 — 68
 Huntingdon. 158 — 98 (not included in
 list of 1926).
 Cambridge. 158 — 84 — 117
 Suffolk W. 191 — 190
 Suffolk E. 191 — 190
 Shropshire. 76 — 224 — 77 — 128 — 74 —
 75 (1937 and 1940).
 Stafford. 155 — 215 — 128 — 156
 Leicester and Rutland. 26 — 27 — 93 —
 28 — 128 — 144
 Norfolk E. 211 — 158 — 210 — 128
 Norfolk W. 211 — 42 — 158 — 210 — 191
 Cheshire. 155 — 128 — 50 — 51 — 153
 Derbyshire. 216 — 128
 Nottingham. 35 (1903).
 Lincoln S.—158 — 3
 Lincoln N. 158 — 128 — 3.
 Lancashire S. 121 — 232 (probably escapes
 in Southport district) — 51 (none
 recorded recently).
 Lancashire Mid. 39 (1936) — 153
 Lancashire N. 121 — 128 — 22
 Westmoreland. 149
 Yorkshire S.E. 189 — 91 — 226
 Yorkshire N.E. 189 — 91 — 128 — 72
 (1937) — 226
 Yorkshire S.W. 189 — 91 — 178 — 226
 Yorkshire Mid.W. 189 — 91 — 128 —
 11 — 226
 Yorkshire N.W. 189 — 91
 Cumberland. 149 — 150 — 128
 Durham. 67 — 88 — 128
 Northumberland S. 220 (1946).
 Northumberland N. 65 — 220
 Glamorgan. 182 — 128 — 140 — 71 (1941).
 Carmarthen. 128 — 5
 Pembroke. 128 — 133 (1939).
 Brecknock. 128
 Cardigan. 128
 Radnor. 128
 Montgomery. 128
 Merioneth. 128 — 79 — 75 (1935 and '36)
 — 80
 Denbigh (and part of Caernarvon). 128 —
 75 (1933) — 80
 Flint. 128 — 80
 Caernarvon. 118 — 128 — 124 — 80
 Anglesey. 128 — 80
 Kirkcudbright. 202
 Dumfries. 89
 Roxburgh. 65
 Berwick. 66 — 185 — 65
 Ayr. 128
 Lanark. 128 — 25 — 33
 Peebles. 66 — 185
 East Lothian. 66 — 185
 Midlothian. 66 — 128 — 185
 Renfrew. 33 — 128 — 25
 Dumbarton. 33 — 128 — 25
 Stirling. 33 — 128 — 185 — 25
 Linlithgow. 66
 Fife and Kinross. 66 — 185
 Clyde Islands. 104 — 128 — 152 — 64
 Kintyre. 104 — 128
 Argyll (Main). 104 — 128
 Perth and Clackmannon. 66 — 128 — 185
 Perth Mid. 66 — 128 — 103 — 22
 Perth N. 128 — 103 — 186
 Angus (Forfar). 103
 Kincardine. 103 — 204
 Aberdeen S. 204 — 128 — 22
 Aberdeen N. 105 — 204 — 128
 Moray (Elgin). 105
 Easternness (Inverness E. and Nairn). 105
 — 128
 Westernness (Inverness W. and part of
 Argyll). 104 — 128 — 103 — 219
 (1937).
 Ebudes S. 104 — 233 (1938).
 Ebudes Mid. 104
 Ebudes N. 108
 Outer Hebrides. 62 — 106 — 128 — 103 —
 22
 Ross W. 113 — 108
 Sutherland E. 107 — 105
 Sutherland W. 107 — 108
 No records from Ireland.

REPTILES AND AMPHIBIA IN THE BRITISH ISLES.

LACERTA VIVIPARA (VIVIPAROUS LIZARD).

- Cornwall W. 49 — 41 — 128 — 13 — 219 (1938).
 Cornwall E. 49 — 41 — 128 — 13 — 22
 Devon S. 172 — 143 (1905) — 128
 Devon N. 172 — 143 — 128 — 40 (1935) — 171
 Somerset S. 4 — 14 — 219 (1938) (1947)
 Somerse: N. 4 — 37 — 14 — 128
 Dorset. 30 — 128 — 22 — 59 (1936).
 Isle of Wight. 15 — 122 — 128
 Hampshire S. 15 — 122 — 128 — 22
 Hampshire N. 15 — 122 — 128 — 13 — 218 — 22
 Wiltshire N. 157 — 115 — 180 — 179
 Wiltshire S. 115 — 180
 Berkshire. 48 — 207
 Surrey. 17 — 128 — 13 — 218 — 22 — 58 (1935) — 69 (1940).
 London. 58 (1935).
 Sussex W. 195 — 13 — 218 — 22
 Sussex E. 195 — 128 — 13 — 97 — 22
 Kent W. 18 — 128 — 154
 Kent E. 18 — 174 (1935).
 Monmouth. 128
 Gloucester W. 37 — 235 — 128
 Gloucester E. 235 — 128
 Oxfordshire. 238
 Buckinghamshire. 87 — 128
 Hertfordshire. 55 — 83 — 119
 Essex S. 126 — 128 — 70 (1944).
 Essex N. 126 — 128
 Hereford. 130 — 128
 Worcester. 76 — 224 — 225 — 128 — 75 (1940 and '41).
 Warwick. 224 — 225
 Northampton. 20
 Bedford. 158 — 68 — 83
 Huntingdon. 158 — 98
 Cambridge. 158 — 84 — 117
 Suffolk W. 191 — 190
 Suffolk E. 191 — 190 (1934).
 Shropshire. 76 — 224 — 77 — 128 — 74 — 75 (1935 and 1937).
 Stafford. 155 — 215 — 128
 Leicester and Rutland. 26 — 27 — 93 — 28 — 128 — 144
 Norfolk E. 211 — 158 — 210 — 128 — 190 (1934).
 Norfolk W. 211 — 42 — 158 — 210 — 13 — 190 (1934) — 22
 Cheshire. 121 — 128 — 50 — 51 — 153 (1938).
 Derbyshire. 216
 Nottingham. 35 (1903) — 128
 Lincoln S. 158 — 3
 Lincoln N. 158 — 128 — 3
 Lancashire S. 128 — 51 — 232
 Lancashire Mid. 51 — 39
 Lancashire N. 149 — 121 — 51
 Westmoreland. 149
 Yorkshire S.E. 189 — 91 — 226
 Yorkshire N.E. 189 — 91 — 128 — 22 — 72 (1937) — 226
 Yorkshire S.W. 189 — 91 — 11 — 111 (1941) — 226
 Yorkshire Mid.W. 189 — 91 — 128 — 11 — 111 (1942) — 226
 Yorkshire N.W. 189 — 91
 Cumberland. 149 — 150 — 128
 Durham. 67 — 88 — 128
 Northumberland S. 220
 Northumberland N. 65 — 220
 Glamorgan. 182 — 140 (1910) — 153 (1911).
 Carmarthen. 128 — 5
 Pembroke. 128 — 169 (1936) — 133 (1932) — 71 (1943).
 Brecknock. 128.
 Cardigan. 128
 Radnor. 128
 Montgomery. 128 — 74 (1903).
 Merioneth. 128 — 74 — 75 (1934 and '35) — 80
 Denbigh (and part of Caernarvon). 118 — 128 — 74 — 80
 Flint. 128 — 13 — 22 — 80
 Caernarvon. 118 — 128 — 80
 Anglesey. 128 — 80
 Isle of Man. 123 — 123 — 13 — 22
 Wigtown. 222
 Kirkcudbright. 202
 Dumfries. 89
 Roxburgh. 65
 Selkirk. 65
 Berwick. 66 — 185 — 114 (1919) — 65
 Ayr. 128
 Lanark. 128 (1900) — 25 — 33

LACERTA VIVIPARA (VIVIPAROUS LIZARD)—continued

- Peebles. 66 — 128 — 185
 East Lothian. 66 — 185
 Midlothian. 66 — 128 — 185
 Renfrew. 33 — 128 — 25
 Dumbarton. 33 — 128 — 25
 Stirling. 33 — 128 — 185 — 25
 Linlithgow. 185
 Fife and Kinross. 66 — 103 — 185
 Clyde Islands. 128 — 64
 Kintyre. 104 — 128
 Argyll (Main). 33 — 104 — 128
 Perth S. and Clackmannan. 66 — 128 — 185
 Perth Mid. 66 — 128 — 103 — 186
 Perth N. 128
 Angus (Forfar). 103
 Kincardine. 204
 Aberdeen S. 204
 Aberdeen N. 204
 Banff. 105
 Moray (Elgin). 105 — 128 — 13 — 22
 Easternness (Inverness E. and Nairn). 222 — 105 — 128 — 188 (1927).
 Westernness (Inverness W. and part of Argyll). 104 — 128
 Ebudes S. 104 — 233 (1938).
 Ebudes N. 128 — 101
 Ross E. 105
 Ross W. 107 — 113 — 128 — 13 — 22
 Sutherland E. 107 — 105
 Sutherland W. 107 — 108
 Caithness. 107
 Donegal E. 128
 Antrim. 222 — 6 — 128
 Down. 222 — 6 — 128 — 9 — 7
 Fermanagh. 13 — 22
 Mayo W. 128 — 13 — 199
 Louth. 128 — 177 — 13
 Galway W (Connema.a). 128 — 13 — 199
 Meath. 128 — 13 — 22
 Dublin. 222 — 128 — 200
 Wicklow. 222 — 128 — 13 — 200
 Kilkenny. 128 — 13 — 22
 Wexford. 22
 Kerry N. 128 — 13
 Kerry S. 128
 Cork W. 222 — 102 — 128 — 13
 Cork Mid. 222 — 102 — 13
 Cork E. 222 — 102
 Waterford. 128 — 13 — 169 (1936).

LACERTA VIRIDIS (GREEN LIZARD).

- Channel Isles. 206
 Devon S. 131A (100 specimens introduced into Paignton, 1937; still present 1946).
 Isle of Wight. 231 (*Lacerta viridis* liberated in 1899 at St. Lawrence Still there in 1936. One specimen reached Chale in 1934).
 Surrey. 218 (Introduced at Frensham Hall).
 Monmouth. 182 (Ynysneuadd Woods, Ebbw Vale in 1872; specimen put in Cardiff Museum).
 Caernarvon. 237 (Twenty specimens liberated on coast at Portmerion in 1931. No evidence yet whether they have bred, still seen 1935).

LACERTA MURALIS (WALL LIZARD).

- Channel Isles. 206 (Jersey only).
 Devon S. 131A (About 200 specimens introduced into Paignton 1937; cannot now be found).

REPTILES AND AMPHIBIA IN THE BRITISH ISLES.

LACERTA AGILIS (SAND LIZARD).

Devon S. 172
 Devon N. 172 — 171
 Dorset. 30 — 15 — 16 — 96 — 22 — 59
 (1937).
 Hampshire S. 15 — 122 — 16 — 22
 Wiltshire S. 180
 Berkshire. 15 — 48 — 73 (1886) — 145
 Surrey. 15 — 17 — 16 — 218 — 29 — 22
 Sussex E. 195 (1892) — 97
 Kent E. 22 (1946).
 Buckinghamshire. 145
 Huntingdon. 68.
 Cambridge. 84 — 190 — 117
 Suffolk W. 190 (1928, observation con-
 sidered doubtful).
 Suffolk E. 205 (1936).
 Norfolk E. 190
 Norfolk W. 84
 Cheshire. 50 — 51 (states now extinct) —
 52
 Lincoln N. 3
 Lancashire S. 30 — 121 — 50 — 51 — 16
 — 232 — 52 — 22 — 153

Lancashire Mid. 51
 Lancashire N. 121 — 51
 Merioneth. 75 (1934 and '35).
 Denbigh (and part of Caernarvon). 118 —
 79 — [Note by compiler: Doubtful
 whether still exists.]
 Flint. 80 (1914).
 Isle of Man. 123 — 54 (Probably does not
 exist).

No records from Scotland or Ireland.

The only vice-counties in which this lizard
 is now known to exist for certain are:—

Hampshire, S.
 Dorset
 Surrey
 Coast of Lancashire
 Kent, E.

The other records are doubtful for two
 reasons:—

- (1) The species no longer exists.
- (2) Records incorrect.

CORONELLA AUSTRILIACA (SMOOTH SNAKE).

Devon S. 34 (1907). [Note by compiler:
 Probably now extinct.]
 Dorset. 30 — 15 — 95 (1928) — 96 — 31
 — 54 (1937).
 Hampshire S. 30 — 15 — 122 — 47 — 22
 — 229
 Hampshire N. 122 — 17 — 229
 Wiltshire N. 116
 Wiltshire S. 115 — 180 (1935) — 229
 Berkshire. 48 — 129 (1903). [Note by

compiler: Probably now extinct.]
 Surrey. 15 — 122 — 17 (1898) — 218
 (1898) — 184 — 2 — 22 — 229
 Sussex W. 229
 Sussex E. 195 (1898 and 1901). [Note by
 compiler: Probably now extinct.]
 Suffolk E. 160 (states that one was re-
 corded many years ago). [Note by
 compiler: Probably now extinct.]
 No records from Scotland or Ireland.

VIPERA BERUS (VIPER; ADDER).

Cornwall W. 49 — 41 — 127 — 22 — 219
 (1938) — 169 (1932).
 Cornwall E. 49 — 41 — 44
 Devon S. 172 — 143 — 127 — 100 — 40
 174 (1936) — 22
 Devon N. 172 — 143 — 127 — 40 (1935) —
 57 (1908) — 22 — 171
 Somerset S. 4 — 14
 Somerset N. 4 — 37 — 14 — 127
 Dorset. 30 — 127 — 94 (1926) — 22 — 59
 (1937).
 Isle of Wight. 15 — 122 — 234 — 230
 (1932) — 22

Hampshire S. 15 — 122 — 127 — 94 (1926)
 — 100 — 22 — 132
 Hampshire N. 15 — 122 — 218
 Wiltshire N. 157 — 116 — 115 — 180 —
 179
 Wiltshire S. 115 — 180
 Berkshire. 48 — 127 — 38 — 207
 Surrey. 17 — 127 — 218 — 125 — 136 —
 22 — 71 (1939).
 Sussex W. 195 — 127 — 218 — 22
 Sussex E. 195 — 127 — 97 — 183 — 22
 Kent W. 18 — 127 — 22 — 174 (1938) —
 154

VIPERA BERUS (VIPER; ADDER)—continued

- Kent E. 18 — 127 — 22
 Monmouth. 130 — 127 — 139
 Gloucester W. 37 — 235 — 127 — 236 — 130
 Gloucester E. 235
 Oxfordshire. 228
 Buckinghamshire. 87
 Hertfordshire. 55 — 83 — 119 (probably now extinct).
 Essex S. 126 — 174 (1926) — 22 — 132
 Essex N. 126
 Hereford. 130 — 127 — 22 — 74 — 75 (1941).
 Worcester. 76 — 224 — 77 — 74 — 75 (1930).
 Warwick. 225
 Northampton. 20
 Bedford. 68 — 83
 Huntingdon. 68 — 98
 Cambridge. 158 — 98 (Not recorded for many years) — 84 (extinct) — 117 (doubtful whether still to be found)
 Suffolk W. 191 — 127 — 190 (1934).
 Suffolk E. 191 — 127 — 190 (1934) — 22
 Shropshire. 76 — 224 — 77 — 127 — 74 — 75 (1941).
 Stafford. 155 — 215 — 127 — 156
 Leicester and Rutland. 26 — 27 — 93 — 28 — 127 — 144
 Norfolk E. 211 — 210 — 127 — 190 (1933).
 Norfolk W. — 211 — 42 — 158 — 210 — 127 — 22
 Cheshire. 155 — 127 — 50 — 51 — 153
 Derbyshire. 216 — 127
 Nottingham. 35 (1904).
 Lincoln N. 127 — 3
 Lancashire S. 121 — 51 — 153
 Lancashire Mid. 149 — 121 — 127 — 51 — 161 — 39
 Lancashire N. 149 — 121 — 51 — 22
 Westmoreland. 127
 Yorkshire S.E. 189 — 91
 Yorkshire N.E. 189 — 91 — 127 — 138 — 111 (1941 and '42) — 72 (1937) — 226
 Yorkshire S.W. 189 — 91 — 127 — 226
 Yorkshire Mid W. 189 — 91 — 127 — 11 — 36
 Yorkshire N.W. 189 — 91
 Cumberland. 149 — 150 — 127
 Durham. 67 — 88 — 127
 Northumberland S. 67 — 127 — 22 — 220
 Northumberland N. 127 — 65 — 220
 Glamorgan. 182 — 127 — 140 (1914) — 139 — 22
 Carmarthen. 127 — 133 — 5
 Pembroke. 127 — 22 — 169 (1930) — 133 (1938).
 Brecknock. 127
 Cardigan. 127 — 22 — 169 (1924).
 Montgomery. 127 — 79 — 74 — 75 (1934)
 Merioneth. 127 — 79 — 75 (1936) — 80
 Denbigh (and part of Caernarvon). 127 — 79 — 80
 Flint. 127 — 79 — 75 (1918) — 80
 Caernarvon. 118 — 127 — 79 — 80
 Anglesey. 127 — 79 — 22 — 80
 Wigtown. 193
 Kirkcudbright. 202
 Dumfries. 89
 Roxburgh. 90 — 65
 Selkirk. 65
 Berwick. 66 — 185 — 90 — 114 (1929) — 65
 Ayr. 222
 Lanark. 66 — 25 — 33
 Peebles. 66 — 185 — 65
 East Lothian. 66 — 185
 Midlothian. 66 — 127 — 185 — 22
 Renfrew. 33 — 25
 Dumbarton. 33 — 25
 Stirling. 33 — 127 — 25
 Fife and Kinross. 66 (probably died out) — 185 (doubtful if now exists).
 Clyde Islands. 22 — 64
 Kintyre. 85 — 86 (1933).
 Argyll (Main). 104
 Perth S. and Clackmannan. 66 — 127 — 185 — 22
 Perth Mid. 127 — 103 — 186
 Perth N. 127 — 103 — 22
 Angus (Forfar). 103
 Kincardine. 103 — 204
 Aberdeen S. 204 — 127 — 22
 Aberdeen N. 127
 Banff. 105
 Moray (Elgin). 105 — 22
 Easternness (Inverness E. and Nairn). 127
 Ebudes S. 222 — 104
 Ebudes Mid. 104 — 146 — 22
 Ebudes N. 108 — 22 — 101
 Ross E. 105
 Ross W. 107 — 108 — 147 — 22
 Sutherland E. 107 — 105
 Sutherland W. 107 — 108 — 22
 Caithness. 107 — 22
 No records from Ireland.

REPTILES AND AMPHIBIA IN THE BRITISH ISLES.

NATRIX NATRIX (GRASS SNAKE; RINGED SNAKE).

- Channel Isles. 206
 Cornwall W. 49 — 41
 Cornwall E. 49 — 41 — 127
 Devon S. 172 — 143 (1903) — 127
 Devon N. 172 — 143 (1903) — 127 — 171 (1944).
 Somerset S. 4 — 14 — 127 — 219 (1938).
 Somerset N. 4 — 14 — 127
 Dorset. 30 — 127 — 32 — 59 (1937).
 Isle of Wight. 15 — 122 — 234 — 230 (1910).
 Hampshire S. 15 — 122 — 127 — 22.
 Hampshire N. 15 — 122 — 218
 Wiltshire N. 157 — 116 — 115 — 180 — 179
 Wiltshire S. 115 — 180
 Berkshire. 48 — 127 — 207
 Surrey. 127 — 218 — 22 — 58 (1915) — 71 (1940).
 London. 58 (1915) — 22 [Note by compiler: doubtful if still exists.]
 Sussex W. 195 — 127 — 218
 Sussex E. 195 — 127 — 97 — 22
 Kent W. 18 — 127 — 154
 Kent E. 18 — 127
 Monmouth. 127
 Gloucester W. 37 — 235 — 127
 Gloucester E. 235
 Oxfordshire. 228
 Buckinghamshire. 87 — 127 — 71 (1942)
 Middlesex. 134 (1930) — 135 (1936).
 Hertfordshire. 55 — 83 — 134 (1934) — 135 (1938 and 1940).
 Essex S. 126 — 127 — 70 (1944).
 Essex N. 126 — 127
 Hereford. 130 — 127
 Worcester. 224 — 127 — 74 (1914).
 Warwick. 225 — 127
 Northampton. 20 — 127
 Bedford. 158 — 68
 Huntingdon. 158 — 98
 Cambridge. 158 — 127 — 84 — 117
 Suffolk W. 191 — 127 — 190 (1934).
 Suffolk E. 211 — 191 — 127 — 190 (1934)
 Shropshire.—76 — 77 — 127 — 74 — 75 (1940).
 Stafford. 155 — 215 — 127 — 156 (1924 and '26).
 Leicester and Rutland. 26 — 27 — 93 — 28 — 127 — 144
 Norfolk E. 211 — 158 — 210 — 127 — 190
 Norfolk W. 211 — 42 — 158 — 210 — 127 — 22
 Cheshire. 127 — 50 — 51 — 153 (1920)
 Derbyshire. 216 — 127
 Nottingham. 35
 Lincoln S. 158 — 127 — 3
 Lincoln N. 158 — 127 — 3
 Lancashire S. 121 — 232 (probably escapes in Southport district) — 153 (probably an escape) — 51 (none recorded recently).
 Lancashire Mid. 39
 Lancashire N. 149 — 121 — 127 — 22
 Westmoreland. 149
 Yorkshire S.E. 189 — 91 — 111 (1941) — 226
 Yorkshire N.E. 189 — 91 — 127 — 226
 Yorkshire S.W. 189 — 91 — 178 — 127 — 11
 Yorkshire Mid W. 189 — 91 — 127 — 11 — 226
 Yorkshire N.W. 189 — 91
 Cumberland. 149 — 150 — 127
 Durham. 67 — 88 (probably doesn't exist) — 127
 Northumberland S. 67 [Note by compiler: Doubtful whether exists.]
 Glamorgan. 182 — 127 — 141 — 142 (1913) — 140 (1913) — 139
 Carmarthen. 127 — 131 — 140 — 5
 Pembroke. 169 (1930 — 133 (1939).
 Brecknock. 127.
 Montgomery. 127 — 79 — 74 — 75 (1919).
 Merioneth. 127 — 79 — 80
 Denbigh (and part of Caernarvon). 118 — 127 — 79 — 80
 Flint. 80
 Caernarvon. 127 — 79 — 75 (1931) — 22 — 153 — 80
 Anglesey. 127 — 79 — 80
 Dumfries. 202 (probably introductions).
 Roxburgh. 127
 Berwick. 66 (probably escapes only) — 127
 Lanark. 25 (probably an escape).
 East Lothian. 66 (probably escapes only).
 Midlothian. 66 (probably escapes) — 185 (probably escapes).
 Renfrew. 25 (probably an escape).
 Linlithgow. 66 (probably escapes) — 185 (probably escapes).
 Aberdeen S. 204 (probably escapes).
 No records from Ireland.

TRITURUS HELVETICUS (PALMATE NEWT).

- Channel Isles. 205
 Cornwall W. 41 — 22 — 169 (1936).
 Cornwall E. 41 — 165 — 22 — 164 (1933)
 — 169 (1938).
 Devon S. 172 — 143 — 164.
 Devon N. 164 (1901) — 171
 Somerset S. 4 — 14 — 164 — 22
 Somerset N. 37 — 14 — 164 — 22
 Dorset. 30 — 59 (1937).
 Isle of Wight. 15 — 122 — 164 — 22
 Hampshire S. 15 — 122 — 132
 Hampshire N. 15 — 122 — 218
 Wiltshire S. 115 — 180
 Berkshire. 207
 Surrey. 17 — 218 — 22
 Sussex W. 218
 Sussex E. 195 — 97 — 170
 Kent E. 22
 Monmouth. 22 — 140
 Gloucester W. 235 — 148
 Gloucester E. 235 — 148
 Oxfordshire. 165 (1885) — 19. [Note by
 compiler: Probably does not now
 exist.]
 Buckinghamshire. 87 — 165
 Hertfordshire. 83 — 164 — 165 — 166 —
 119
 Essex S. 126 — 164 — 190 — 21 — 22
 Essex N. 126 — 190
 Hereford. 130 — 10 — 22 — 209 (1937).
 Worcester. 76 — 224 — 77 — 74 — 75
 (1916) — 212 — 22
 Warwick. 225
 Cambridge. 84 — 190 — 117
 Suffolk E. 190 (1933).
 Shropshire. 76 — 77 — 74 — 75 (1933 and
 '34) — 78 — 212 — 22
 Stafford. 215
 Norfolk E. 211 — 158 — 210 — 190
 Cheshire. 50 — 51 — 164
 Lancashire S. 189 — 121 — 51 — 164 —
 153 (1932).
 Lancashire Mid. 51 — 92 — 39
 Lancashire N. 51
 Yorkshire S.E. 91 — 181
 Yorkshire N.E. 189 — 91 — 43 — 226
 Yorkshire S.W. 189 — 91 — 178 — 11 —
 111 (1942).
 Yorkshire Mid W. 189 — 91 — 11 — 164
 — 111 (1942) — 226 — 181
 Yorkshire N.W. 189 — 91
 Cumberland. 150 — 164 — 220
 Northumberland S. 220
 Glamorgan. 164 — 140 — 169 (1937).
 Carmarthen. 164 — 5
 Pembroke. 164 — 169 (1936) — 133 (1935).
 Brecknock. 164 — 214 — 169 (1936).
 Cardigan. 164
 Radnor. 164 — 214
 Merioneth. 75 (1934) — 164 — 80
 Denbigh (and part of Caernarvon). 79 —
 74 — 164 — 82 — 167 — 169 (1935)
 — 80
 Flint. 74 — 164 — 80
 Caernarvon. 79 — 74 — 75 (1921) — 164
 — 53 — 22 — 80
 Anglesey. 79 — 164 — 80
 Kirkcudbright. 202 — 19 — 203
 Dumfries. 89
 Lanark. 25 — 33
 Peebles. 66 — 22 — 65
 East Lothian. 66 — 185
 Midlothian. 66 — 185 — 22
 Renfrew. 33 — 25
 Dumbarton. 33 — 25
 Stirling. 33 — 66 — 185 — 25
 Linlithgow. 66 — 185 — 22
 Fife and Kinross. 66 — 103 — 185
 Clyde Islands. 64
 Kintyre. 164 — 66A
 Argyll (Main). 22 — 66A
 Perth S. and Clackmannan. 66 — 185
 Perth Mid. 103 — 164
 Perth N. 103
 Angus (Forfar). 103
 Kincardine. 103 — 204
 Aberdeen S. 204
 Aberdeen N. 204 — 22
 Banff. 105
 Moray (Elgin). 105 — 145A
 Easternness (Inverness E. and Nairn). 105
 — 22
 Westernness (Inverness W. and part of
 Argyll). 22
 Ebudes N. 101
 Ross E. 105
 Ross W. 113 — 22
 Sutherland E. 105 — 164 — 22
 Sutherland W. 107 — 108 (1902) — 164
 No records from Ireland.

REPTILES AND AMPHIBIA IN THE BRITISH ISLES.

TRITURUS CRISTATUS (GREAT CRESTED NEWT; WARTY NEWT).

- Cornwall W. 49
 Cornwall E. 49
 Devon S. 172 — 143 — 22
 Devon N. 172 — 171 (1936).
 Somerset S. 4 — 14
 Somerset N. 4 — 14
 Dorset. 30
 Isle of Wight. 15 — 122 — 22
 Hampshire S. 15 — 122
 Hampshire N. 15 — 122 — 218
 Wiltshire N. 157 — 115 — 180 — 179
 Wiltshire S. 115 — 180
 Berkshire. 48 — 207
 Surrey. 17 — 218 — 22 — 58 (1926).
 London. 58 (1926) — 22
 Sussex W. 195 — 218
 Sussex E. 195 — 97
 Kent W. 18 — 22
 Kent E. 18
 Gloucester W. 37 — 235 — 174 (1938).
 Gloucester E. 235
 Oxfordshire. 228
 Buckinghamshire. 87
 Middlesex. 22
 Hertfordshire. 55 — 83 — 164 — 22 — 119
 Essex S. 126 — 164 — 21
 Essex N. 126
 Hereford. 130 — 10 — 209 (1937).
 Worcester. 224 — 74 (1900) — 22
 Warwick. 225
 Northampton. 20
 Bedford. 158 — 68 — 87
 Huntingdon. 158 — 98
 Cambridge. 158 — 84 — 117
 Suffolk W. 191 — 190
 Suffolk E. 191 — 190 (1933).
 Shropshire. 76 — 77
 Stafford. 155 — 215
 Leicester and Rutland. 26 — 27 — 93 — 28
 — 144
 Norfolk E. 211 — 158 — 210
 Norfolk W. 211 — 42 — 158 — 210
 Cheshire. 50 — 51 — 153 (1932).
 Derbyshire. 216
 Nottingham. 35
 Lincoln S. 158 — 3
 Lincoln N. 158 — 3
 Lancashire S. 121 — 51 — 232 (1924) —
 22
 Lancashire Mid. 121 — 51 — 39
 Lancashire N. 149 — 121 — 51
 Westmoreland. 149
 Yorkshire S.E. 189 — 91 — 226
 Yorkshire N.E. 189 — 91 — 43
 Yorkshire S.W. 189 — 91 — 11 — 111
 (1942).
 Yorkshire Mid W. 189 — 91 — 11 — 111
 (1941 and '42) — 226
 Yorkshire N.W. 189 — 91
 Cumberland. 149 — 150
 Durham. 67 — 88
 Northumberland S. 220
 Northumberland N. 65 — 220
 Glamorgan. 182 — 164 — 140
 Carmarthen. 164 — 5
 Cardigan. 164 (hearsay only).
 Montgomery. 79 — 164
 Denbigh (and part of Caernarvon). 118 —
 79 — 164 — 82 — 167 — 80
 Flint. 79 — 164 — 80
 Caernarvon. 80
 Anglesey. 79 — 164 (1903) — 80
 Kirkcudbright. 202
 Dumfries. 89
 Ayr. 25
 Lanark. 25 — 33
 East Lothian. 66 — 185
 Midlothian. 66 — 185 — 22
 Renfrew. 33 — 25
 Dumbarton. 33 — 25
 Stirling. 33 — 66 — 185 — 25
 Linlithgow. 66 — 185
 Fife and Kinross. 66 — 185
 Kintyre. 25
 Perth S. and Clackmannan. 66 — 185
 Perth N. 103 — 22
 Banff. 105
 Moray (Elgin). 105 — 145A
 Easternness (Inverness E. and Nairn). 105
 Ross E. 105
 Ross W. 107
 Sutherland E. 107 — 105 — 108
 Sutherland W. 107 — 108
 No record from Ireland.

TRITURUS VULGARIS (SMOOTH NEWT).

- Channel Isles. 206
 Cornwall W. 49 — 169 (presence considered doubtful).
 Cornwall E. 49 — 22 — 164 — 169
 Devon S. 172 — 143 (believed to exist).
 Devon N. 172 — 143 — 22
 Somerset S. 4 — 14 — 22
 Somerset N. 4 — 14 — 22
 Dorset. 30
 Isle of Wight. 15 — 122 — 22
 Hampshire S. 15 — 122
 Hampshire N. 15 — 122 — 218
 Wiltshire N. 157 — 115 — 180 — 179
 Wiltshire S. 115 — 180
 Berkshire. 48 — 207
 Surrey. 17 — 218 — 22 — 46 (1937) — 58 — 69 (1940).
 London. 58 — 22
 Sussex W. 195 — 218
 Sussex E. 195 — 97
 Kent W. 18 — 22 — 154
 Kent E. 18
 Monmouth. 182
 Gloucester W. 37 — 235 — 148 — 174 (1938).
 Gloucester E. 235 — 148
 Oxfordshire. 228
 Buckinghamshire. 87
 Hertfordshire. 55 — 83 — 164 — 165 — 119
 Essex S. 126 — 164 — 21 — 70 (1944).
 Essex N. 126
 Hereford. 130 — 10 — 209 (1937).
 Worcester. 224 — 74 (1904).
 Warwick. 225 — 1 (1932).
 Northampton. 20
 Bedford. 158 — 68
 Huntingdon. 158 — 98
 Cambridge. 158 — 84 — 117
 Suffolk W. 191 — 190
 Suffolk E. 191 — 190 (1925).
 Shropshire. 77 — 74 — 75 (1940).
 Stafford. 155 — 215
 Leicester and Rutland. 26 — 27 — 93 — 28 — 144
 Norfolk E. 211 — 158 — 210 — 22
 Norfolk W. 211 — 42 — 158 — 210 — 190
 Cheshire. 50 — 51 — 153
 Derbyshire. 216 — 153 (1932).
 Nottingham. 35
 Lincoln S. 158 — 3
 Lincoln N. 158 — 3
 Lancashire S. 121 — 51 — 232
 Lancashire Mid. 121 — 51 — 39
 Lancashire N. 149 — 121 — 51
 Westmorland. 149
 Yorkshire S.E. 189 — 91 — 226
 Yorkshire N.E. 189 — 91 — 43 — 226
 Yorkshire S.W. 189 — 91 — 178 — 11
 Yorkshire Mid W. 189 — 91 — 11 — 111 (1941 and '42) — 226
 Yorkshire N.W. 189 — 91
 Cumberland. 149 — 150
 Durham. 67 — 88
 Northumberland S. 220
 Northumberland N. 65 — 220
 Glamorgan. 182 — 164 — 140 (1913).
 Carmarthen. 164 — 5
 Montgomery. 164
 Merioneth. 164 — 80
 Denbigh (and part of Caernarvon). 118 — 164 — 82 — 167 — 80
 Flint. 164 — 80
 Kirkcudbright. 202
 Dumfries. 89
 Roxburgh. 65
 Berwick. 65
 Lanark. 25 — 33
 East Lothian. 66 — 185
 Midlothian. 66 — 185 — 22
 Renfrew. 33 — 25
 Dumbarton. 33 — 25
 Stirling. 33 — 66 — 185 — 25
 Linlithgow. 66 — 185
 Fife and Kinross. 66 — 185
 Kintyre. 104
 Argyll (Main). 104
 Perth and Clackmannan. 185
 Banff. 105
 Moray (Elgin). 105 (said to occur) — 145A
 Easternness (Inverness E. and Nairn). 105 (said to occur).

REPTILES AND AMPHIBIA IN THE BRITISH ISLES.

TRITURUS VULGARIS (SMOOTH NEWT)—continued

- | | |
|--|----------------------------------|
| Westernness (Inverness W. and part of Argyll). 104 | Fermanagh. 22 |
| Ebudes N. 101 | Mayo W. 199 |
| Ross E. 105 (said to occur). | Sligo. 222 |
| Ross W. 107 | Roscommon. 22 |
| Sutherland E. 107 — 105 | Galway W. (Connemara). 222 — 199 |
| Sutherland W. 107 | Galway N.E. 222 |
| Antrim. 222 — 6 | Galway S.E. 222 |
| Down. 222 — 6 | Dublin. 222 — 22 — 200 |
| | Tipperary N. 222 |
| | Cork E. 137 |

BUFO CALAMITA (NATTERJACK).

- | | |
|--|--|
| Cornwall W. 12 | Shropshire. 77 — 74 (Several imported and turned loose in Boreatton Park, 1900). |
| Cornwall E. 12 | Leicester and Rutland. 27 (introduced by author in Leicester Museum grounds) — 28 |
| Devon S. 172 — 12 | Norfolk E. 211 — 12 — 210 — 190 — 22 |
| Devon N. 12 | Norfolk W. 211 — 158 — 12 — 210 |
| Dorset. 30 — 12 | Cheshire. 12 — 50 — 51 — 22 |
| Isle of Wight. 15 — 122 | Lincoln N. 158 — 12 — 3 |
| Hampshire S. 12 — 15 — 122 — 229 | Lancashire S. 12 — 121 — 50 — 51 — 232 — 22 — 99 (1939) — 153 (1934). |
| Hampshire N. 12 — 15 — 122 — 8 | Lancashire Mid. 12 — 51 — 39 |
| Berkshire. 12 | Lancashire N. 149 — 121 — 51 |
| Surrey. 12 — 17 — 55 — 218 — 176 — 24 — 22 — 58 (1902). | Westmoreland. 149 — 12 |
| London. 58 (1902) — 22 | Yorkshire N.E. 181 |
| Sussex W. 195 | Yorkshire Mid W. 189 — 91 (only one specimen ever recorded). [Note by compiler: Probably now extinct.] |
| Kent E. 18 | Cumberland. 149 — 12 — 150 — 151 |
| Buckinghamshire. 87 | Denbigh (and part of Caernarvon). 118 — 79 — 50 — 81 — 80 |
| Middlesex. 12 | Flint. 79 — 50 — 74 — 81 — 80 |
| Hertfordshire. 12 — 55 — 135 (states all previous records are false) — 229 (about 1931). | Kirkcudbright. 202 |
| Worcester. 224 (1860). [note by compiler: Probably now extinct.] | Dumfries. 202 — 66 — 89 |
| Bedford. 213 (1905) — 22 | Renfrew. 25 |
| Cambridge. 12 — 84 — 213 — 117 | Kerry N. 222 — 22 |
| Suffolk W. 12 — 191 | Kerry S. 222 — 201 — 61 — 22 |
| Suffolk E. 12 — 191 — 190 (1930) — 227 — 192 | |

BUFO BUFO (COMMON TOAD).

- | | |
|--|------------------------------------|
| Channel Isles. 206 | Somerset N. 4 — 14 |
| Cornwall W. 49 — 41 — 22 — 169 (1931). | Dorset. 30 — 59 (1937). |
| Cornwall E. 49 — 41 | Isle of Wight. 15 — 122 |
| Devon S. 172 — 143 | Hampshire S. 15 — 122 |
| Devon N. 172 — 143 — 171 | Hampshire N. 15 — 122 — 218 |
| Somerset S. 4 — 14 — 219 (1938). | Wiltshire N. 157 — 115 — 180 — 179 |

BUFO BUFO (COMMON TOAD) continued

- Wiltshire S. 115 — 180
 Berkshire. 48 — 207
 Surrey. 17 — 218 — 22 — 46 (1937) —
 58 (1922) — 69 (1939).
 London. 58 (1922) — 22
 Sussex W. 195 — 218
 Sussex E. 195 — 97 — 219 (1937).
 Kent W. 18 — 154
 Kent E. 18
 Monmouth. 182 — 130
 Gloucester W. 37 — 235
 Gloucester E. 235
 Oxfordshire. 228
 Buckinghamshire. 87
 Middlesex. 22
 Hertfordshire. 55 — 83 — 71 (1939) — 119
 Essex S. 126 — 22 — 70 (1944).
 Essex N. 126
 Hereford. 130
 Worcester. 224 — 74 — 75 (1935).
 Warwick. 225
 Northampton. 20
 Bedford. 158 — 68
 Huntingdon. 158 — 98
 Cambridge. 158 — 84 — 117
 Suffolk W. 191 — 190
 Suffolk E. 191 — 190
 Shropshire. 76 — 77 — 74 — 75 (1940).
 Stafford. 155 — 215
 Leicester and Rutland. 26 — 27 — 93 —
 28 — 144
 Norfolk E. 211 — 158 — 210
 Norfolk W. 211 — 42 — 158 — 210
 Cheshire. 50 — 51
 Derbyshire. 216
 Nottingham. 35
 Lincoln S. 158 — 3
 Lincoln N. 158 — 3
 Lancashire S. 121 — 51 — 232 — 99 (1939)
 — 153
 Lancashire Mid. 121 — 51
 Lancashire N. 149 — 121 — 51
 Westmoreland. 149
 Yorkshire S.E. 189 — 91 — 226
 Yorkshire N.E. 189 — 91 — 72 (1937) —
 226
 Yorkshire S.W. 189 — 91 — 178 — 11 —
 111 (1942) — 226
 Yorkshire Mid W. 189 — 91 — 11 — 111
 (1941 and '42) — 226
 Yorkshire N.W. 189 — 91
 Cumberland. 149 — 150
 Durham. 67 — 88
 Northumberland S. 220
 Northumberland N. 65 — 220
 Glamorgan. 182 — 141 — 140 (1913).
 Carmarthen. 5
 Pembroke. 133 (1936) — 71 (1943).
 Montgomery. 79
 Merioneth. 79 — 80
 Denbigh (and part of Caernarvon). 118 —
 79 — 80
 Flint. 79 — 80
 Caernarvon. 79 — 80
 Anglesey. 79 — 80
 Kirkcudbright. 202
 Dumfries. 89
 Roxburgh. 65
 Selkirk. 65
 Berwick. 185 — 65
 Ayr. 222
 Lanark. 25 — 33
 Peebles. 185 — 65
 East Lothian. 66 — 185
 Midlothian. 66 — 185 — 22
 Renfrew. 33 — 25
 Dumbarton. 33 — 25
 Stirling. 33 — 66 — 185 — 25
 Linlithgow. 66 — 185
 Fife and Kinross. 66 — 103 — 185
 Clyde Islands. 22 — 64
 Kintyre. 104
 Argyll (Main). 104
 Perth S. and Clackmannan. 185
 Perth Mid. 103
 Perth N. 103
 Angus (Forfar). 103
 Kincardine. 103 — 204
 Aberdeen S. 204
 Aberdeen N. 204
 Banff. 105
 Moray (Elgin). 105
 Easternness (Inverness E. and Nairn). 105
 Westernness (Inverness W. and part of
 Argyll). 104
 EbuDES S. 104
 EbuDES N. 101 — 163
 Ross E. 105
 Ross W. 107 — 113
 Sutherland E. 107 — 105
 Sutherland W. 107 — 108
 Caithness. 107 — 22
 Orkney Isles. 109
 102 (attempts to naturalise *B.bufo* in Co.
 Cork failed).

REPTILES AND AMPHIBIA IN THE BRITISH ISLES.

RANA TEMPORARIA (COMMON FROG).

- Channel Isles. 206
 Cornwall W. 49 — 41 — 22
 Cornwall E. 49 — 41
 Devon S. 172 — 143 — 22
 Devon N. 172 — 143 — 171 (1942).
 Somerset S. 4 — 14
 Somerset N. 4 — 14
 Dorset. 30
 Isle of Wight. 15 — 122
 Hampshire S. 15 — 122
 Hampshire N. 15 — 122 — 218
 Wiltshire N. 157 — 115 — 180 — 179
 Wiltshire S. 115 — 180
 Berkshire. 48 — 207 — 71 (1941).
 Surrey. 17 — 218 — 46 (1937) — 58 —
 71 (1942).
 London. 58 — 22
 Sussex W. 195 — 218 — 71 (1940).
 Sussex E. 195
 Kent W. 18 — 154
 Kent E. 18
 Monmouth. 182
 Gloucester W. 37 — 235
 Gloucester E. 235
 Oxfordshire. 228
 Buckinghamshire. 87 — 71 (1941).
 Middlesex. 197 — 22 — 198 (1938).
 Hertfordshire. 55 — 83 — 197 — 198
 (1938) — 71 (1939) — 119
 Essex S. 126 — 198 (1927) — 70 (1944).
 Essex N. 126 — 198
 Hereford. 130
 Worcester. 224 — 75 (1938 and 1940).
 Warwick. 225
 Northampton. 20
 Bedford. 158 — 68
 Huntingdon. 158 — 98
 Cambridge. 158 — 84 — 22 — 117
 Suffolk W. 191 — 190
 Suffolk E. 191 — 190
 Shropshire. 76 — 77 — 74 — 75 (1939 and
 1940).
 Stafford. 155 — 215 — 156
 Leicester and Rutland. 26 — 27 — 93 —
 28 — 144 — 71 (1940).
 Norfolk E. 211 — 158 — 210 — 22
 Norfolk W. 211 — 42 — 158 — 210
 Cheshire. 50 — 51
 Derbyshire. 216
 Nottingham. 35
 Lincoln S. 158 — 3
 Lincoln N. 158 — 3
 Lancashire S. 121 — 51 — 232 — 22
 Lancashire Mid. 121 — 51
 Lancashire N. 149 — 121 — 51
 Westmoreland. 149
 Yorkshire S.E. 189 — 91 — 226
 Yorkshire N.E. 189 — 91 — 111 (1941) —
 72 (1937) — 226
 Yorkshire S.W. 189 — 91 — 178 — 11 —
 111 (1942) — 226
 Yorkshire Mid W. 189 — 91 — 11 — 111
 (1941 and '42) — 226
 Yorkshire N.W. 189 — 91
 Cumberland. 149 — 150
 Durham. 67 — 88
 Northumberland S. 220
 Northumberland N. 65 — 220
 Glamorgan. 182 — 140 (1913).
 Carmarthen. 5
 Pembroke. 133 (1939) — 17 (1941).
 Montgomery. 79 — 74 (1903).
 Merioneth. 79 — 75 (1932 and '33) — 80
 Denbigh (and part of Caernarvon). 118 —
 79 — 80
 Flint. 79 — 80
 Caernarvon. 79 — 80
 Anglesey. 79 — 80
 Isle of Man. 123
 Kirkcudbright. 202
 Dumfries. 89
 Roxburgh. 65
 Selkirk. 65
 Berwick. 185 — 65
 Ayr. 222
 Lanark. 25 — 33
 Peebles. 185 — 65
 East Lothian. 66 — 185
 Midlothian. 66 — 185 — 22
 Renfrew. 33 — 25
 Dumbarton. 33 — 25
 Stirling. 33 — 66 — 185 — 25
 Linlithgow. 66 — 185
 Fife and Kinross. 103 — 185
 Clyde Islands. 104 — 64
 Kintyre. 104
 Argyll (Main). 104
 Perth S. and Clackmannan. 185
 Perth Mid. 103
 Perth N. 103
 Angus (Forfar). 103
 Kincardine. 103 — 22 — 204
 Aberdeen S. 204
 Aberdeen N. 204

RANA TEMPORARIA (COMMON FROG)—continued

- Banff. 105 — 22
 Moray (Elgin). 105 — 22
 Easternness (Inverness E. and Nairn). 105
 — 112 — 198 (1937) — 71 (1943).
 Westernness (Inverness W. and part of
 Argyll). 104 — 219 (1937).
 Ebudes S. 104
 Ebudes Mid. 104
 Ebudes N. 22 — 101
 Ross E. 105
 Ross W. 107 — 22
 Sutherland E. 107 — 105 — 223 (1946).
 Sutherland W. 107 — 108
 Caithness. 107 — 22
 Donegal W. 22
 Antrim. 222 — 6
 Down. 222 — 6 — 7
- Mayo W. 222 — 199
 Cavan. 198 — 159 (1942).
 Galway W. (Connemara). 199
 Offaly 22
 Dublin. 22 — 200
 Wicklow. 198
 Wexford. 159 (1916 and 1924).
 Kerry N. 22
 Kerry S. 22
 Cork W. 102 — 22
 Cork Mid. 102
 Cork E. 102

NOTE.—*R. temporaria* is believed to have been introduced into Ireland in 1796, but some authorities regard it as indigenous.

RANA RIDIBUNDA (MARSH FROG).

- Sussex E. 209 (Romney marshes in the quadrangle formed by Rye, Tenterden, Hythe and Dungeness. Introduced 1935 at Stone in Oxney. Originally recorded by 208 as *R. esculenta*).
 Kent E. 209 (as for Sussex E.)

RANA ESCULENTA (EDIBLE FROG).

- Hampshire S. 122 (Some let out into Itchen river about 1895 by Mr. Cotton of Bishopstoke). — 209 (Now extinct).
 Surrey. 196 (Ockham and Chilworth, established from specimens from Brussels and Berlin; Shere and Gomshall marsh, established from specimens from Berlin about 1884). 218 (Introduced in pond at Frensham Hall). 209 (Gravel pits near Twickenham, 1938; Have been there since 1929 at least). 46 (Richmond Park, 1931).
 Sussex W. 209 (Bolney, 1943. Now extinct).
 Kent W. 209 (Otford, Dunton Green).
 Middlesex. 209 (Teddington).
 Bedford. 68 (Woburn Park, introduced) — 209 (Only a few left at Woburn Park in 1946).
 Cambridge. 158 (Foulmire Fen 1843) — 210 (Foulmire Fen, Whaddon, probably introduced 1837 — 84 (Foulmire Fen, between Chesterton and Milton), 196 and 22 (Foulmire Fen) — 117 (Once common, now seldom found) — 209 (No longer exists).
 Suffolk W. 190 (apparently no longer exists).
 Suffolk E. 190 (apparently no longer exists).
 Shropshire. 74 (introduced at Tong in 1840, now extinct).
 Norfolk E. 211 and 158 (Imported 1837, 1841 and 1842 and put in at Morton and Hockering) — 210 (Morton and Hockering) — 84 (Hickling Broad) — 209 (No longer exists).
 Norfolk W. 211 and 158 (Imported 1837, 1841 and 1842 and put in at Foulden near Stoke Ferry) — 210 (Foulden and Stow Bedon) 84 and 196 (between Thetford and Scoulton, Foulden Fen) — 22 (Records from Stow Bedon and Foulden) — 209 (No longer exists).
 Midlothian. 185 (about 1907 some put in a pond beside Queensferry Road). 209 (Now extinct).

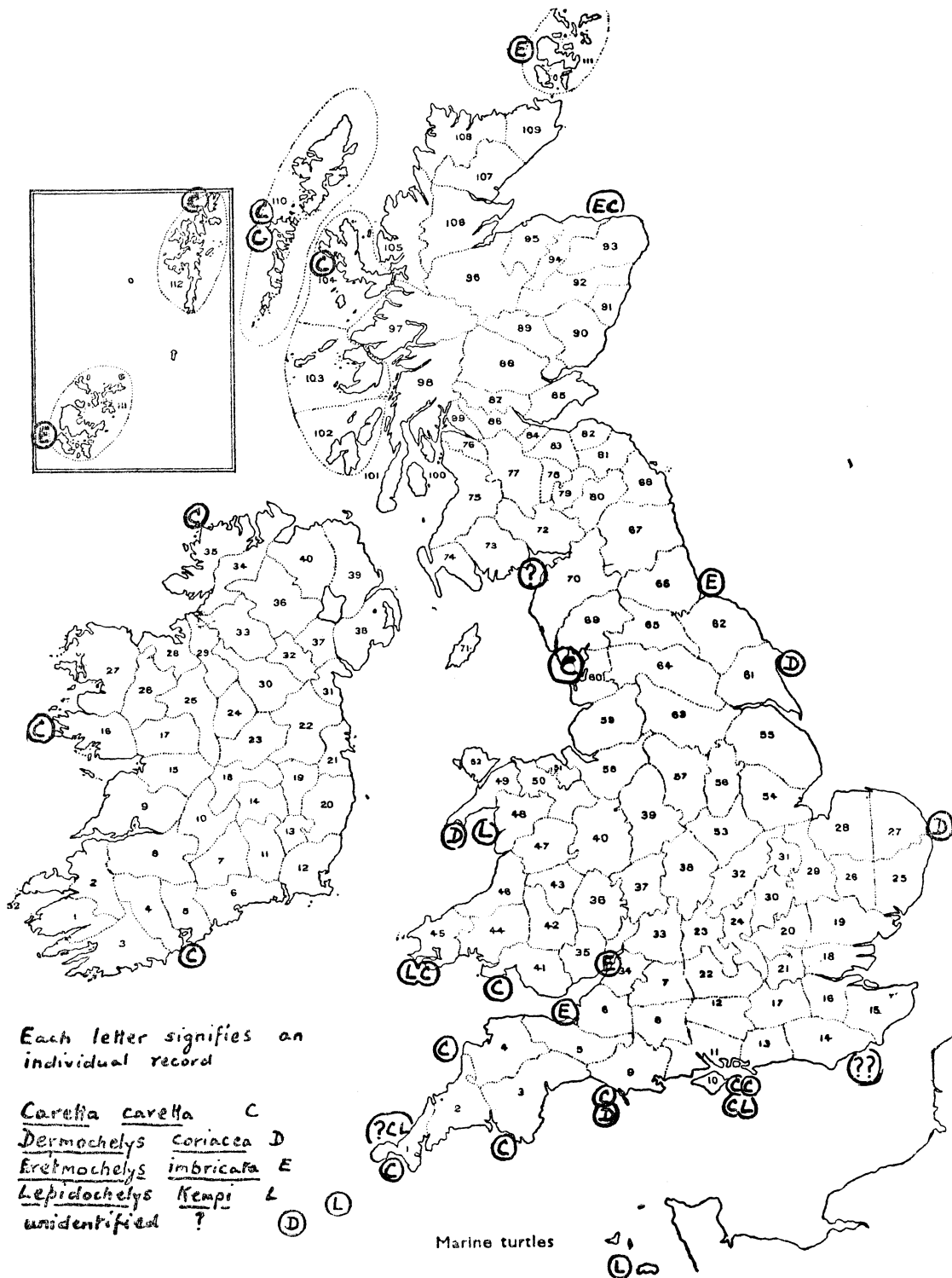
ALYTES OBSTETRICANS
(MIDWIFE TOAD).

Bedford. 21A. Introduced into a garden at Bedford. Bred there for at least 20 years.
Last recorded 1927.

HYLA ARBOREA
(EUROPEAN TREE FROG).

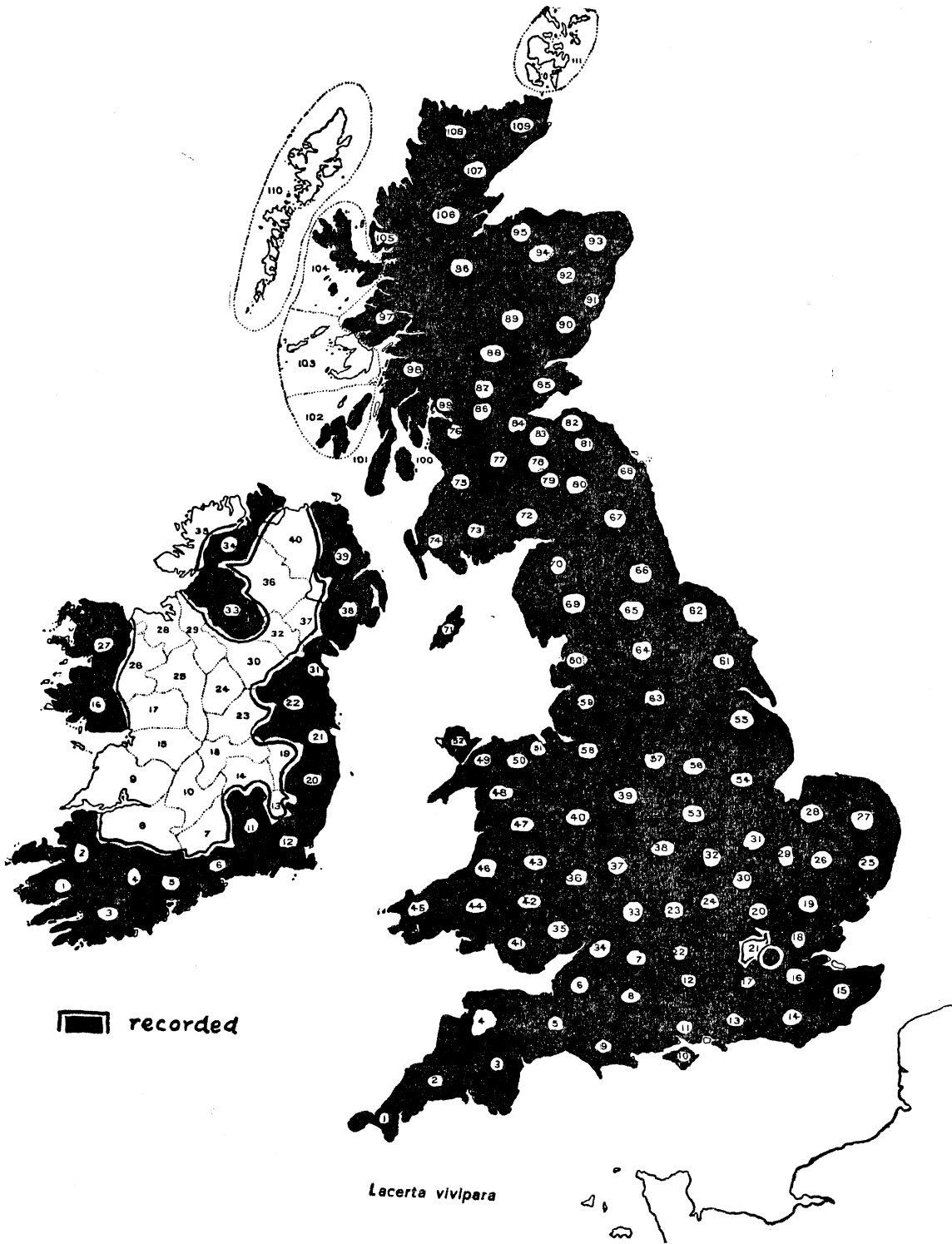
Isle of Wight. 230. Introduced by Lord Walsingham into his ground at St. Lawrence about
1906. Bred regularly for many years. It was also known to be breeding at Fresh-
water. Cannot now be found.

Devon S. 131A. Fifty specimens introduced into Paignton in the summer of 1937. Cannot
now be found.

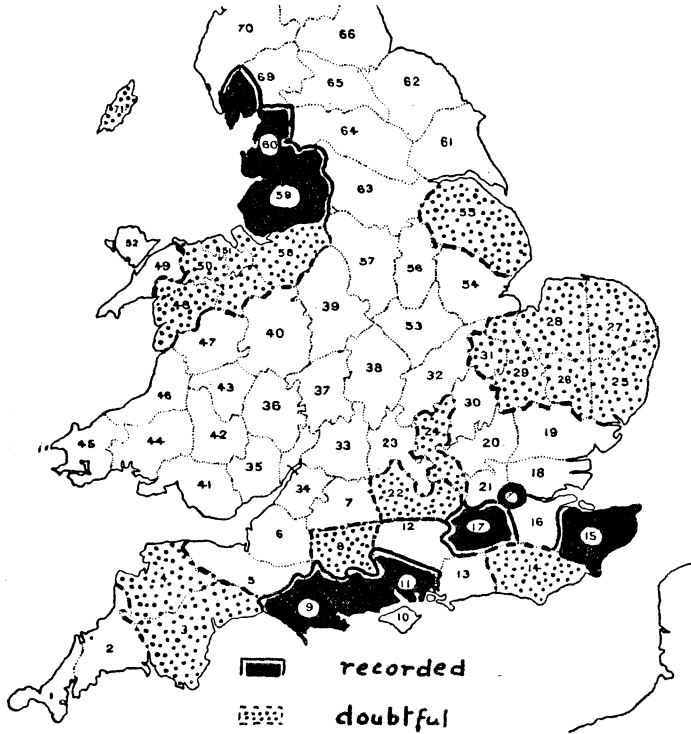


REPTILES AND AMPHIBIA IN THE BRITISH ISLES.

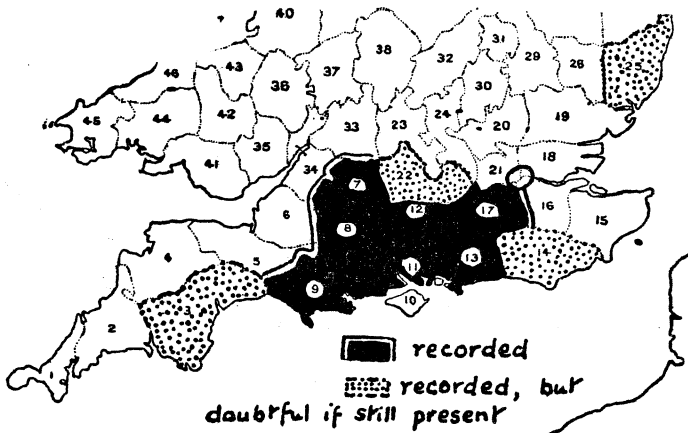




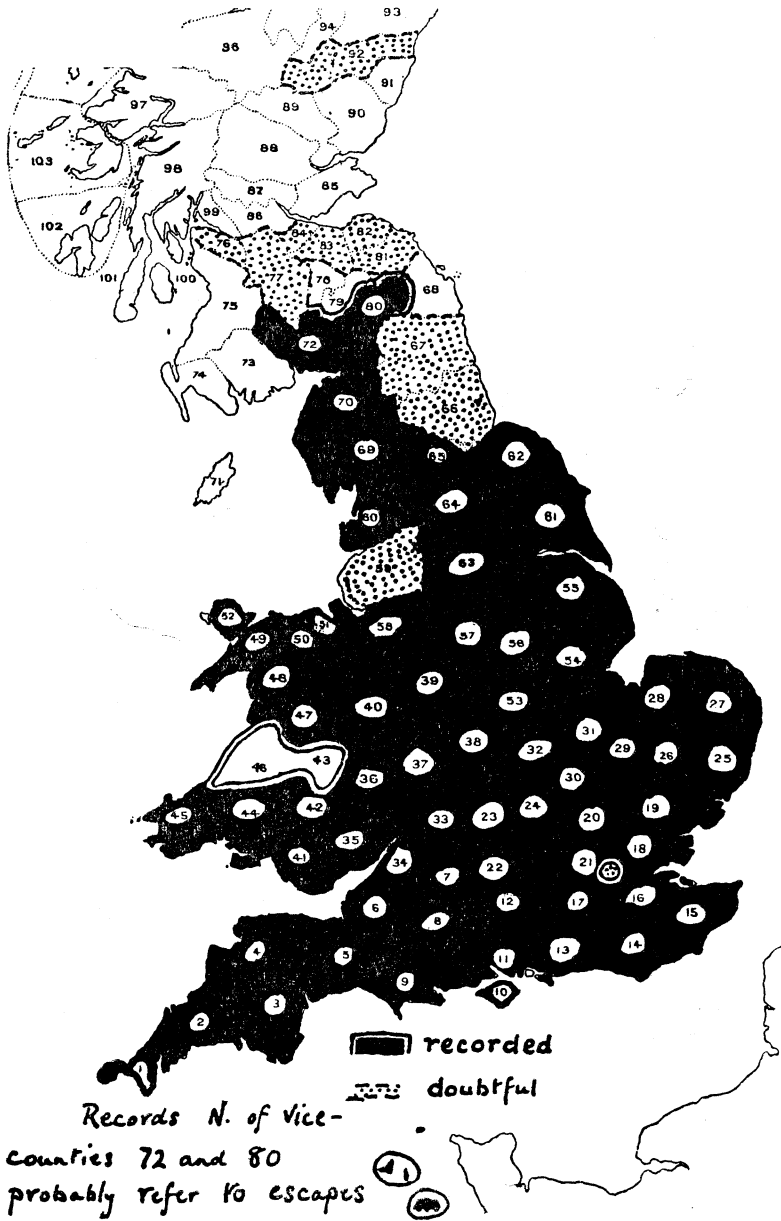
REPTILES AND AMPHIBIA IN THE BRITISH ISLES.



Lacerta agilis



Coronella austriaca

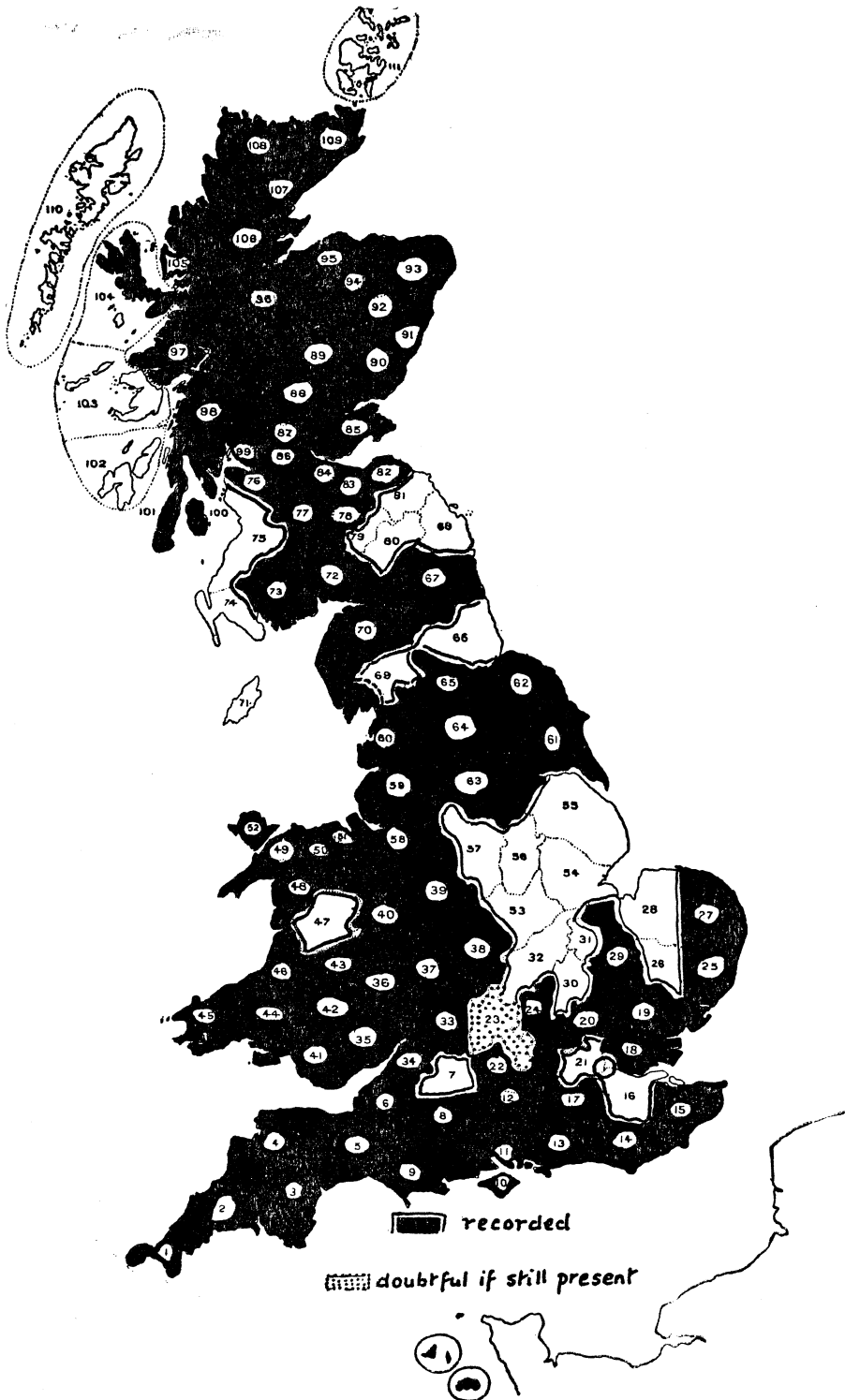


Matrix matrix

REPTILES AND AMPHIBIA IN THE BRITISH ISLES.



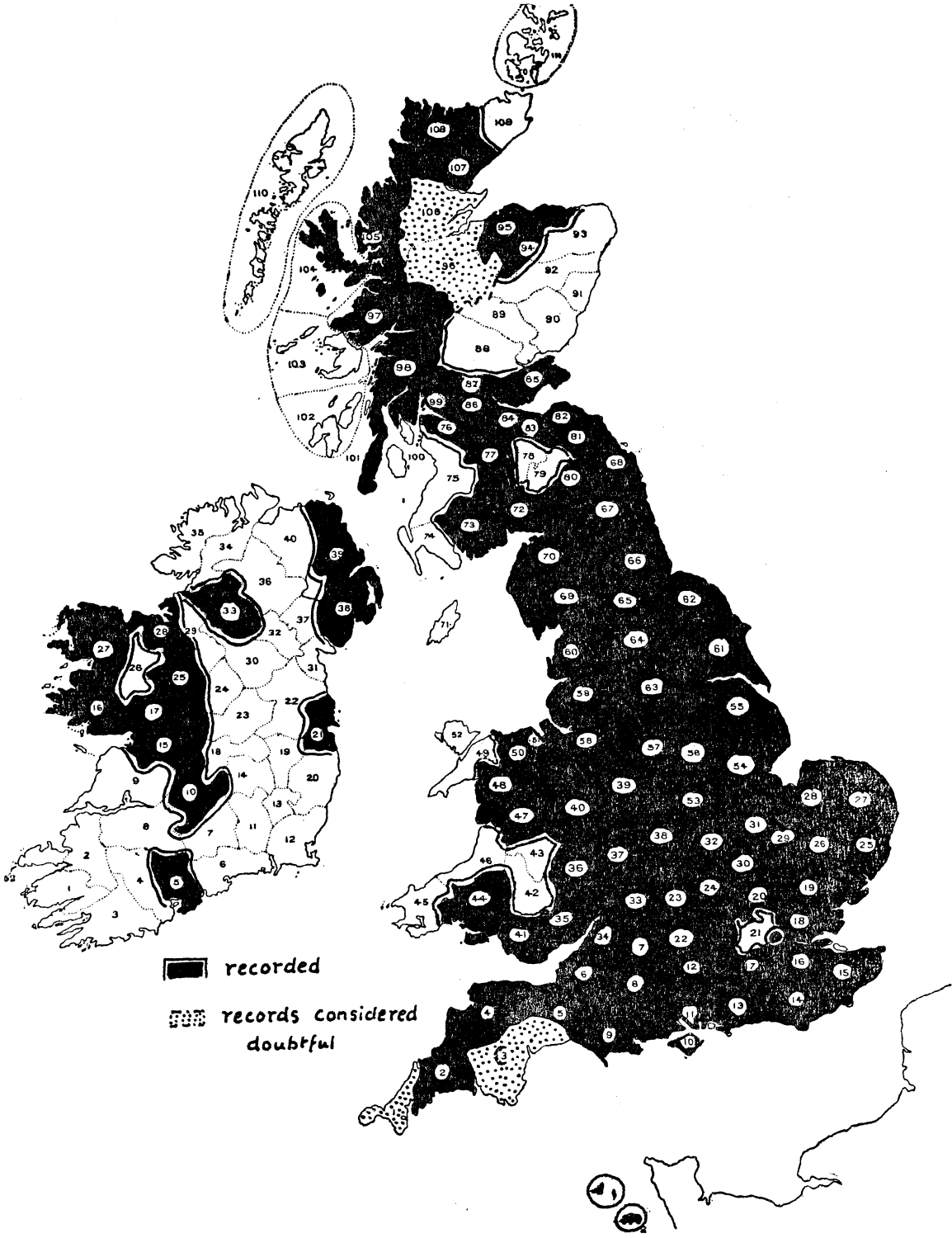
Vipera berus



Triturus helveticus

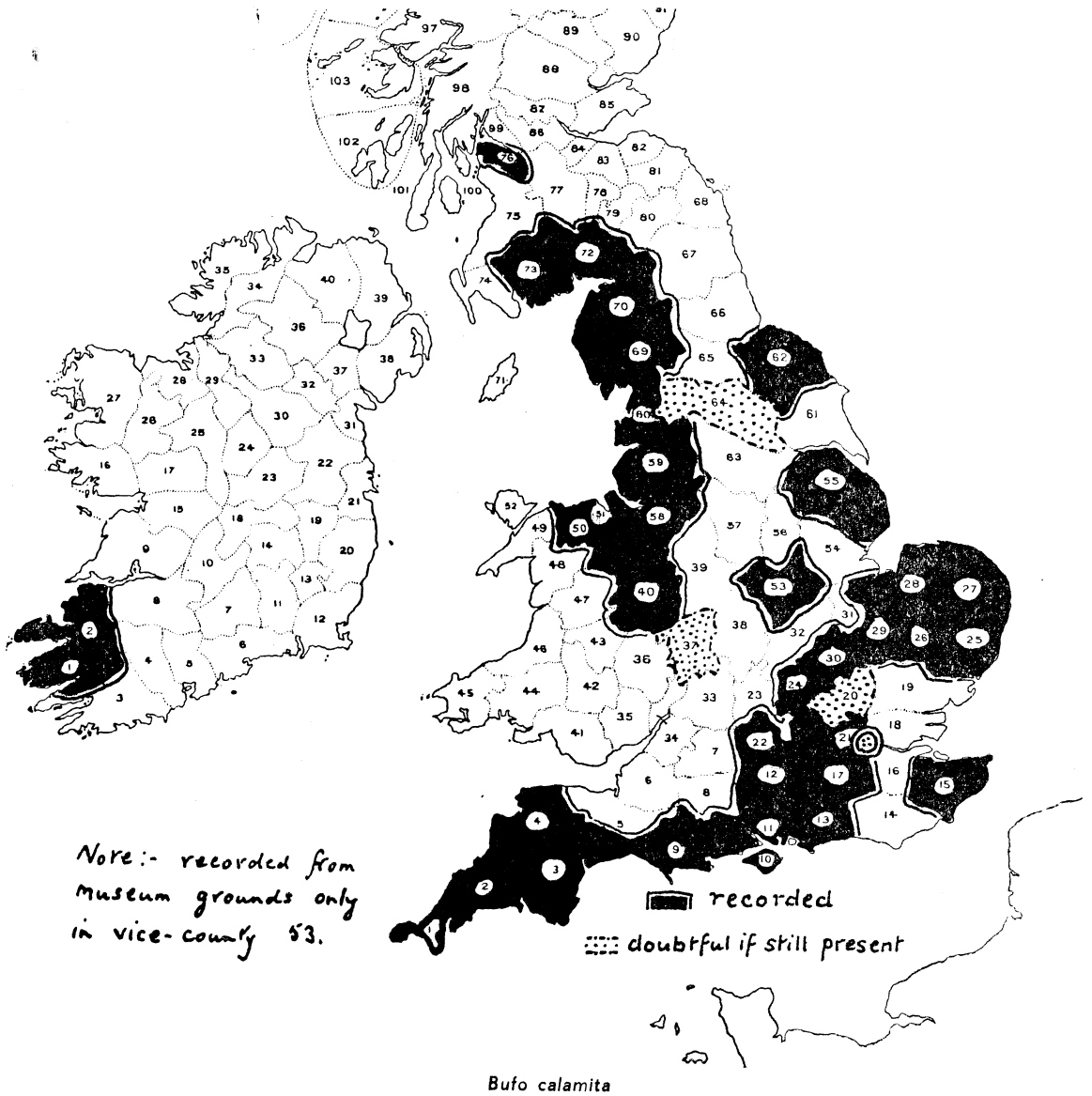
REPTILES AND AMPHIBIA IN THE BRITISH ISLES.

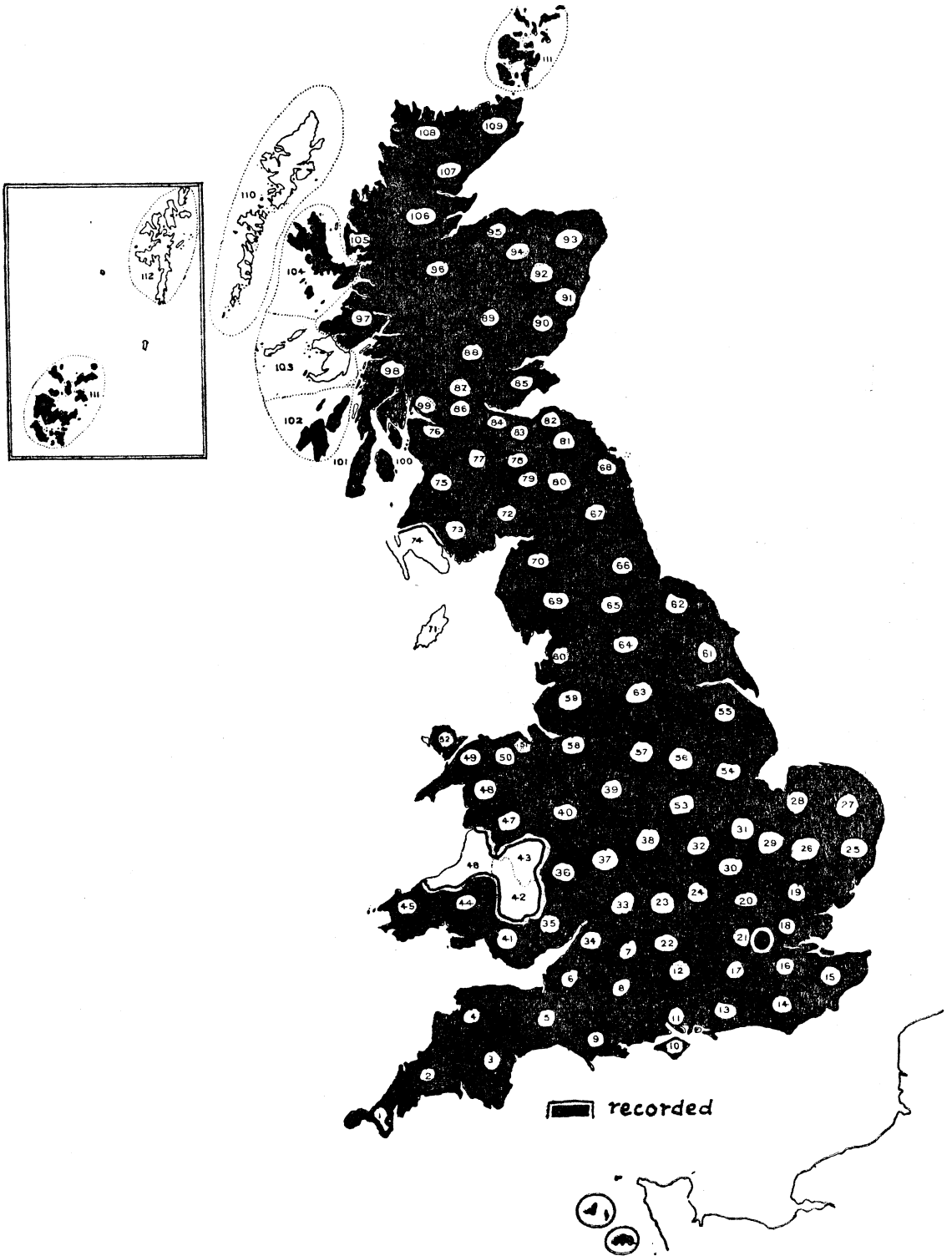




Triturus vulgaris

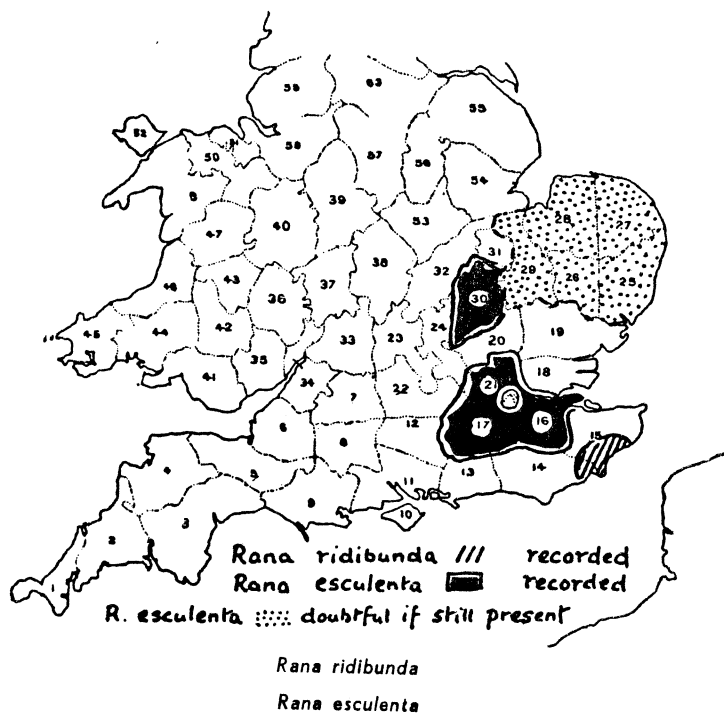
REPTILES AND AMPHIBIA IN THE BRITISH ISLES.

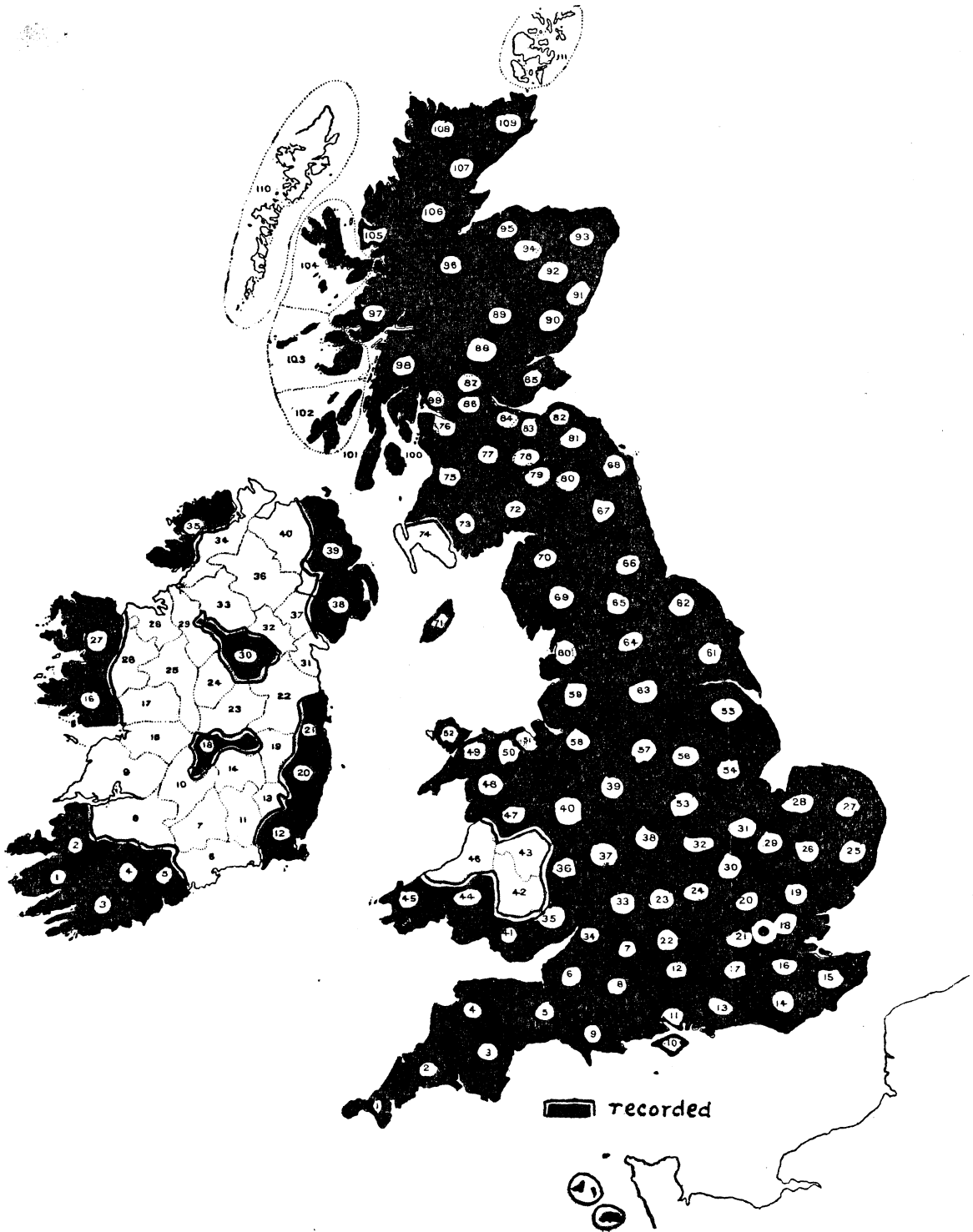




Bufo bufo
36

REPTILES AND AMPHIBIA IN THE BRITISH ISLES.





Rana temporaria
38