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The Wiltshire Natural History Magazine

Volume 75 1980

The Wiltshire Archæological and Natural History Society

The Wiltshire Archaeological and Natural History Society

The Society was founded in 1853. Its activities include:

the promotion of archaeological and historical work and the study of all branches of natural history within the county;
the safeguarding and conservation of the antiquities and the flora and fauna of the region;
the issue of a *Magazine* and other publications;
excursions to places of archaeological and historical interest;
and the maintenance of a Museum and Library.

Enquiries about membership should be made to the Secretary of the Society, 41 Long Street, Devizes.

Natural History Section

The object of this Section is to promote the study of all branches of natural history in the County by:

encouraging field observations,
maintaining records,
arranging field and other meetings,
and by putting observers in touch with each other.

Particulars of the Section from the Honorary Treasurer.
The subscription rates for membership of the Section are as follows:
Single £3 Family £4

Natural history observations should be sent to the County Recorders:

Plants: Mrs J. Swanborough, 'Amberley', Pew Hill, Chippenham.
Amphibians and Reptiles: Mrs M. Browne, Latimer Lodge, West Kington, Chippenham.
Lepidoptera: J.N. d'Arcy Esq., 18 Westbury Road, Edington, Westbury.
Birds: G.L. Webber Esq., 66 Southbrook Extension, Swindon.
Mammals: Mrs M. Browne, Latimer Lodge,West Kington, Chippenham.

Records for all other groups should be sent to The Biological Records Centre, c/o The Museum, 41 Long Street, Devizes, Wiltshire.

Officers of the Natural History Section 1980–81

Chairman: Patrick J. Dillon, Wayside, Wantage Road, Great Shefford, Newbury, Berkshire RG16 7DF.
Hon. Secretary: Mrs E. Stephens, 95 Leigh Park Road, Bradford-on-Avon.
Hon. Treasurer: A. Edwins Esq., 69 Countess Road, Amesbury, Salisbury.
Hon. Editor: Mrs M. Browne, Latimer Lodge, West Kington, Chippenham SN14 7JJ.
Hon. Bulletin Editor: Miss Y. Greasley, Upper Flat, 46 Drynham Road, Trowbridge.
Hon. Programme Secretary: Mrs D. Herrod-Taylor, c/o The Museum, 41 Long Street,

The Wiltshire Natural History Magazine

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Editorial note: the Weather Report for 1979 has been held over.

A Catalogue of The Natural History Library of the Wiltshire Archæological & Natural History Society

Part I Printed Works

compiled by
Patrick J. Dillon and Philippa Noad[1]

Introduction

The Society was founded in 1853 to "foster interest in and to explore the archaeology, antiquities, history, local history and natural history of Wiltshire . . . .". Implicit in this aim was the collection of appropriate documentary material and, according to C.W. Pugh in his *Centenary History* of the Society (Devizes, 1953), one of the earliest acts of Council was to establish a sub-committee which was given power to draw up rules for the use of a Library and to spend up to £5 a year on the purchase of additional books.

There was a steady accumulation of books as the Society grew in membership and in 1874 the Long Street building was acquired and with it the opportunity of establishing a library and reading room. At this point, Council recognised that it would be necessary to draw up a detailed listing of all the books held by the Society, but it was not until 1894 that the first catalogue (compiled by Bell and Goddard) was published. Regular supplements to this catalogue appeared until it was eventually superseded by a large folio typewritten volume into which accessions were entered in manuscript. In 1932 this was replaced by a standard card index system.

It is clear from the 1894 catalogue that, in its early years, the Library was built up mainly from volumes presented by members. A notable example is Macgillivray's *Natural History of Deeside and Braemar*, privately printed in 1855 for Queen Victoria, a copy of which was presented by H.R.H. Prince Albert to G. Poulett Scrope, who subsequently passed it on to the Library. Unfortunately, several of the natural history books recorded in 1894 are no longer present in the Library, among them a set of some thirty volumes, dating from the 1870s, dealing with various aspects of the flora and fauna of North America. In all probability these were disposed of early this century when interest in natural history within the Society was at a low ebb. Indeed, it is fair to say that growth in the natural history content of the Library has largely reflected the interest and enthusiasm for the subject shown by leading figures in the Society. There have been some extremely lean times, with years passing between the acquisition of one book and the next, but these have been followed by great upsurges in interest, often stimulated by the energies of a single prominent member.

Such a member was Canon E.H. Goddard who became Secretary and Editor to the Society in 1892 and Librarian in 1909, a post he held until 1942. For much of this period he ran the Society virtually singlehanded and his achievements in the Library were of immense proportions. Apart from co-editing the first catalogue, he indexed press cuttings (over 30,000 of them), hand bound numerous papers and documents and, in 1920, published a *Wiltshire Bibliography* which is still a standard work.

Goddard's interest in natural history, as reflected in the notebooks which he kept on an occasional basis at the time[2], developed during his college days and reached a peak early in his career in the Church. As he became more involved in the Society his energies were diverted towards local history and archaeology. Nevertheless, he still had an extremely important role to play, for in the early

1 The compilers of the catalogue would like to thank the following for help and advice with the preparation of material and correction of the text: Pamela Colman, Joan Friend, Yvette Greazley, Joan Norton and Sue Pettit.

2 See Dillon, P.J. (1977). "E.H. Goddard's Natural History Notes, 1873–1887". *Wiltshire Natural History Magazine*, Vol. 72, pp. 3–9.

decades of the century interest in natural history in general was waning and, but for Goddard's constant stream of natural history notes in the *Magazine*, interest within the Society might well have declined beyond the point of recovery. In this way he was well poised to persuade the Library Committee to make new purchases of natural history material when the revival of interest came in the 1930s. He also built up his own zoological library, from which he donated many items to the Society in 1935. The present sections on Mollusca and Arthropoda are made up largely of Goddard volumes.

Goddard's death, in 1947, coincided with the formation of the Natural History Section of the Society, a development of undoubted value to the natural history movement within the Society and within the county as a whole, but one which was to have its own unforeseen influence on the fortunes of the Library. As the Section extended its influence as a Field Club, and eventually as a publisher of its own natural history material, responsibility for the subject was gradually withdrawn from the Society's headquarters in Devizes. As a result, interest in the natural history volumes in the Library fell away and many of them were withdrawn and placed in storage in an attic room where they were to remain until 1978.

In 1956, R.E. Sandell became Honorary Librarian of the Society. Apart from being a local historian of some repute, he also maintained a keen interest in natural history in general and botany in particular[1]. He was thus able to ensure that natural history was not completely neglected within the Library administration and, from an early date, he recognized the potential value of a separate natural history library. But the opportunity of establishing one did not come until just before his death in 1978 when an automatic alarm system was installed in Long Street and the caretaker's flat became available for extensions to the Library and offices. The natural history books were brought out of storage and, with Dick Sandell's botanical volumes, they formed the nucleus of the present collection in Upper Room 2.

The Natural History Library has thus become a monument to two of the Society's most energetic Librarians. In recent years it has been extended by donations of good runs of journals, notably from Mr Arnold Smith and Mrs Seccombe Hett.

Although the library is not primarily of specialist local interest, many of the standard works on Wiltshire are to be found. For the geologist there is Barron's *Geology of Wiltshire* (1976) and a number of H.M.S.O. publications dealing with local formations. The copy of Arkell's *The Jurassic System in Great Britain* (1933), presented to the Society by the author, deals with outcrops in the west of the county.

Those with an interest in ornithology will find in A.C. Smith's *Birds of Wiltshire* (1887) a wealth of information. As well as a systematic account of the birds of Wiltshire it contains chapters on the biology of birds and two papers putting the case for conservation of rooks and small birds, which were much persecuted at the time. This book has been updated by three successive handlists: Hony's *Notes on the Birds of Wiltshire* (1915), Peirson's *Wiltshire Birds* (1959) and Webber's *Supplement to Wiltshire Birds* (1968). Two other handlists by Hony, dealing with vertebrate groups, are in the library: *The Reptiles, Amphibians and Fishes of Wiltshire* (1916) and *The Mammals of Wiltshire* (1916); both are now of historical interest only and will shortly be superseded by new publications.

Entomological books of local interest include an interleaved copy of de Worms' *Macrolepidoptera of Wiltshire* (1962) and *A Handbook of British Lepidoptera* (1895), an early standard work by E. Meyrick, a Wiltshireman.

For the local botanist there are many volumes deserving special attention; several of the standard handbooks are annotated for local interest and there is a series of Wiltshire floras. One of the most interesting is Smith's *Flora Sarisburiensis* (1817); a note by Canon E.H. Goddard (*Circa* 1905) says that he has never heard of another copy, but it is listed in a recent bibliography (Freeman, 1980) and a copy is held in the library of the Linnean Society of London. There are two Preston floras, *The Flora of Marlborough* (1863) and *The Flowering Plants of Wilts* (1888); the former was updated in 1919 by Smith-Pearse's *Handlist of the Flowering Plants of the District* and additions to the latter were published in the *Journal of Botany*. For all Preston's extensive writings on the local flora there are numerous discrepancies in his records and it is to Grose's *Flora of Wiltshire* (1957) and its *Supplement* (1975) that the modern student looks; the interleaved copy of the *Flora* in the

1 See also the Appreciation in Vol. 74 of the *Wiltshire Natural History Magazine* and in the *Reprint of the Flora of Wiltshire* (both 1979).

Library has numerous annotations by R.E. Sandell. Finally, for those with an interest in herbaria, the two Wedgwood *Catalogues* will be of particular value. Allen Wedgwood was born on Campden Hill, London, in 1893. He was at Marlborough College from 1906 to 1911 and then went to Cambridge to read Agriculture. He began his botanical collection at Marlborough in 1907 and thenceforth spent all his holidays looking for plants. His Herbarium of 1,836 specimens is now in Marlborough College.

The Catalogue

The first part of the catalogue, presented here, lists books, pamphlets and individual offprints and papers. (A second part, dealing with serial publications and manuscripts, is in preparation.) The items are listed alphabetically, according to author, in the following sections:

Topography and Regional Natural History
Geology and Palaeontology
Zoology:
  Vertebrates
  Molluscs
  Arthropods
Botany:
  General Works
  Cryptogams
  Floras
  Trees, Shrubs and Forestry.

Each item is presented in standard bibliographical format: Author; title; place of publication; publisher; date of publication and edition; illustrations; paging; volume size.

This is followed by a short description of the contents and, to be of maximum value to the researcher, details of any annotations, inscriptions etc. A note on the condition of the volume, where appropriate, is added. Bibliographical detail not available from the work itself has been obtained from Freeman's *British Natural History Books, 1495-1900: A Handlist* (Dawson, 1980) and Kerrich, Hawkesworth and Sims' *Key Works to the Fauna and Flora of the British Isles and Northwestern Europe* (Academic Press, 1978).

It is the Society's policy that volumes should not be withdrawn from the Library and there are no loan facilities. Requests to consult volumes on the premises should be made in the normal manner through the Librarian.

Topography & Regional Natural History

GREENWOOD, G. *Rain and Rivers*. London: Longman, Brown, Green, Longmans & Roberts, 1857. With maps. iv-viii, 2-195pp. 8vo.
Notes on formation of river valleys, denudation etc. Critically annotated. Decorated cover. Worn.

HARVEY, L.A. & St. LEGER-GORDON, D. *Dartmoor*. London: Collins, 1953. With colour plates and maps. v-xiv, 1-273pp. 8½" x 5½".
The geology, climate, water supply, prehistoric civilisations, historical background, inhabitants and customs. New Naturalist series. Original paper dust-jacket. Good condition.

HOLLAND, S. *Badgeworth Nature Reserve*. The Gloucestershire Trust for Nature Conservation, 1967. 2nd ed. 1-19pp. cr8vo.
Information pamphlet about the site of the Adder's-tongue spearwort *(Ranunculus ophioglossifolius)*. Slightly discoloured.

MACAN, T.T. & WORTHINGTON, E.B. *Life in Lakes and Rivers*. London: Collins, 1951. With diagrams, colour plates and maps. v-xvi. 2-272pp. 8½" x 5½".
Chapters on different kinds of lakes, productivity, food chains, stock, crops, animals, plants etc. New Naturalist series. Good condition.

MacGILLIVRAY, W. *The Natural History of Deeside and Braemar*. London: for private circulation, 1855. With colour map. iv–xx, 2–507pp. 8vo.

Notes on the geology and lists of plants, insects, molluscs, fish, birds, mammals etc. With inscription "This work printed by command of the Queen is presented to Mr. Poulett Scrope by H.R.H. Prince Albert". Decorated cover. Spine worn.

MORRIS, *Sir* Daniel. *A Natural History of Bournemouth and District*. Bournemouth: The Natural Science Society, 1914. With plates and maps. iii–xiv, 1–399pp. 7″ x 5″.

Topography, geology, climate, flora, fauna, archaeology, municipal government etc. Slightly worn.

NICHOLSON, E.M. *Britain's Nature Reserves*. London: Country Life Ltd., 1957. 1st ed. With plates and a map. 7–175pp. 8½″ x 5½″.

On the functions of nature reserves and the Nature Conservancy. Book-plate of R. E. Sandell. Original paper dust-jacket. Good condition.

NORTH, F.J., CAMPBELL, B. & SCOTT, R. *Snowdonia, the National Park of North Wales*. London: Collins, 1949. With diagrams, plates and maps. v–xviii, 4–469pp. 8½″ x 5½″.

The geology, natural history and historical background of the mountains and valleys. Original paper dust-jacket. Good condition.

SALISBURY, *Sir* Edward. *Downs and Dunes*. London: G. Bell & Sons Ltd., 1952. With diagrams, plates and distribution maps. vi–xiii, 2–328pp. roy8vo.

An explanation of the factors which determine the composition of the flora. Paper cover. Very good condition.

WOOLDRIDGE, S.W. & GOLDRING, F. *The Weald*. London: Collins, 1953. With diagrams, colour plates and maps. v–x, 1–276pp. 8½″ x 5½″.

The role of the Weald in the growth and development of natural science (for example, Gilbert White's parish of Selborne lies in this region). Original paper dust-jacket. Slightly worn.

Geology and Palaeontology

ANDREWS, W.R. *The Making of the South Downs*. Vol. 2, Part VIII of "Transactions of the Eastbourne Natural History Society". Eastbourne: Farncombe & Co., 1893–1894. 420–432pp. 8vo.

On the geological processes which formed the downland. Paper cover. Worn.

ARKELL, W.J. *The Corallian Rocks of Oxford, Berkshire and North Wiltshire*. London: The Royal Society of London, 1927. With diagrams, plates and maps. 67–180pp.

The stratigraphy, geology and palaeontology. Reproduced from the "Philosophical Transactions" of the Royal Society of London, series B, vol. 216, pp. 67–181. Presented to the Library by the author in 1927, bound in 1928. Signed by Canon E. H. Goddard. Marbled paper on cover.

ARKELL, W.J. *The Jurassic System in Great Britain*. Oxford: The Clarendon Press, 1933. With diagrams, plates and maps. vi–xii, 2–681pp. 9½″ x 6½″.

A general description. Presented to the Library by the author, with a letter to Canon E. H. Goddard. Good condition.

ARKELL, W.J. *The Geology of the Country around Weymouth, Swanage, Corfe and Lulworth*. London: His Majesty's Stationery Office, 1947. With diagrams, plates and colour map. iii–xii, 2–386pp. 9½″ x 6″.

The stratigraphy, geology and palaeontology. An explanation of Sheets 341, 342, 343 and small portions of Sheets 327, 328 and 329 of The Geological Survey of Great Britain.

BARRON, R.J. *The Geology of Wiltshire*. Bradford-on-Avon: The Moonraker Press, 1976. 1st ed. With diagrams, plates and maps. 5–176pp. 8″ x 7″.

A practical outline of the geology with a list of principal exposures. Signed by the author. Original dust-jacket. Good condition.

BELL, *Prof. A Monograph of the Fossil Malacostracous Crustacea of Great Britain, Part II*. London: The Palaeontographical Society, 1862. With 11 plates. vi, 1–40pp. 11″ x 8½″.

The crustacea of the gault and greensand with descriptions and engravings of several Wiltshire species. With two letters from the author to Mr Cunnington. Cardboard cover. Worn.

BENNETT, E. *A Catalogue of the Organic Remains of the County of Wilts*. Warminster: J.L. Vardy, 1831. With 18 plates. iv, 2-9pp. 11" x 8½".

Wiltshire fossils, with corrections in manuscript by the author. With the inscription "W. B. Conybeare from the author". Worn.

BRITISH MUSEUM (NATURAL HISTORY). *British Caenozoic Fossils. (Tertiary and Quaternary)*. London: The Trustees of The British Museum, 1959. Colour map as frontispiece. iii-vi, 1-30pp. 8½" x 5½".

A guide to the identification and distribution of fossils. Paper cover. Slightly worn.

BROWNE, H. *The Geology of Scripture*. Frome: W.P. Penny, 1832. Illustrated. vi, 2-216pp. 8vo.

"The Geology of Scripture, illustrating the operation of the deluge, and the effects of which it was productive; with a consideration of scripture history, in reference to Stonehenge and Abury in Wiltshire and to the caves of Elephanta and Salsette and the wonders of flora in Hindoostan." Extensively foxed. Carboard cover. Worn.

CASTELL, C.P. *et al*. *British Mesozoic Fossils*. London: The Trustees of The British Museum, 1962. Illustrated. Colour map as frontispiece. iii-v, 2-205pp. 8½" x 5½".

Geological distribution, with drawings of all the British Mesozoic fossils. Paper cover. Worn.

CHATWIN, C.P. *British Regional Geology. The Hampshire Basin and Adjoining Areas*. London: Her Majesty's Stationery Office, 1948. 2nd ed. With diagrams, plates and maps. ii-iv, 2-99pp. 9½" x 6".

The formations in the Jurassic, Cretaceous, Eocene and Oligocene systems of the region.

CHATWIN, C.P. *The Hampshire Basin and Adjoining Areas*. (British Regional Geology). London: Her Majesty's Stationery Office, 1948. 2nd ed. With diagrams, plates and maps. ii-iv, 2-99pp.

The stratigraphy, geology, palaeontology and rock types of the region. Paper cover. Slightly worn.

CHARLESWORTH, J.K. *The Geology of Ireland*. London: Oliver & Boyd, 1953. 1st ed. With plates and maps. viii-xvi, 1-276pp. 8¾" x 5¾".

The evolution of physical features of the Irish landscape. With two bookplates of R. E. Sandell. Good condition.

DEWEY, H. *South West England*. (British Regional Geology). London: Her Majesty's Stationery Office, 1948. 2nd ed. With diagrams, plates and maps. iii-vi, 2-71pp. 9½" x 6".

The stratigraphy, geology and rock types of the region. Paper cover. Worn.

FLETCHER, L. *An Introduction to the Study of Rocks*. London: The Trustees of the British Museum (National History), 1909. 4th ed. Illustrated. viii, 2-155pp. 8½" x 5½".

A guide to the characteristics, relationships and significance of rocks; a companion to the *Introduction to the Study of Meteorites* (1881). Cardboard cover. Good condition.

FLETT, *Sir* John Smith. *The First Hundred Years of the Geological Survey of Great Britain*. London: His Majesty's Stationery Office, 1937. 1st ed. With plates. 3-280pp. 9½" x 6".

Centenary manual of The Geological Survey of Great Britain (formed in 1835). Good condition.

HENNAH, *Rev*. R. *A Succinct Account of the Lime Rocks of Plymouth*. Plymouth: W. Curtis. With 10 plates. iv-vii, ii-iv, 2-69pp. cr4to.

From papers read before The Geological Society on the stratigraphy, geology, fossils and economic significance of the rocks. Cardboard cover. Worn.

HIMUS, G.W. & SWEETING, G.S. *The Elements of Field Geology*. London: University Tutorial Press Ltd., 1955. 2nd ed. With diagrams, graphs and maps. v-viii, 1-270pp. 8½" x 5½".

A field guide for students. With bookplate of R. E. Sandell. Original paper dust-jacket. Good condition.

JUKES, J. Beete. *The Student's Manual of Geology*. Edinburgh: Adam & Charles Black, 1862. 2nd ed. Illustrated. vi-xix, 4-764pp. cr8vo.

A comprehensive study of lithology, petrology, palaeontology and formation of the earth's crust. Extensive foxing. Cover worn and almost detached.

JUKES-BROWNE, A.J. *The Geology of the Country South and East of Devizes*. London: His Majesty's Stationery Office, 1905. Illustrated. iii-vi, 2-61pp. 9½" x 6".

An interpretation of Sheet 282 of The Geological Survey of Great Britain. Bound, with paper cover. Good condition.

LING, A.W., PRICE, W.T. & McLEES, L.D.C. *An Agricultural and Soil Survey of the Bromham District of Wiltshire*. Wiltshire: University of Bristol and Wiltshire County Council, 1938. With plates and a colour map. i-xii, 1-28pp; xiii-xv. 8½" x 5½".

A study of the soils of Bromham and their utilisation. Paper cover. Stained and worn.

LOWRY, J.W. *Tabular View of Characteristic British Fossils Stratigraphically Arranged*. cr4to.

4 pull-out pages with cover. Stained and worn.

LYELL, *Sir* Charles. *Elements of Geology*. London: John Murray, 1865. 6th ed. With woodcuts. vi-xvi, 2-794pp. 8vo.

The ancient changes of the earth and its inhabitants as illustrated by geological monuments. Decorated cover. Worn.

LYELL, *Sir* Charles. *Principles of Geology*. London: John Murray, 1867. 10th ed. With maps. 2 volumes. Vol. I. iv-xvi, 2-671pp. 8vo.; Vol. II. vi-xvi, 2-649pp. 8vo.

The recent changes of the earth and its inhabitants in relation to geology. Decorated covers. Vol. I. cover almost detached. Both volumes very worn.

MORRIS, J. *A Catalogue of British Fossils*. London: published by the author, 1854. 2nd ed. iv-vii, 2-372pp. 8½" x 5½".

The genera, species, geological distribution and localities of British fossils. Decorated cover. Slightly worn.

OAKLEY, K.P. & MUIR-WOOD, H.M. *The Succession of Life Through Geological Time*. London: The Trustees of the British Museum, 1948. With diagrams and map. Colour frontispiece. v-vii, 1-92pp. 8½" x 5½".

A guide to the evolution and development of plant and animal life on earth. Paper cover, detached and worn.

PAGE, D. *Handbook of Geological Terms and Geology*. London: William Blackwood and Sons, 1859. 12-415pp. cr8vo.

The "hard words and forbidding technicalities" in simple language. Decorated cover. Back cover warped. Worn.

PRINGLE, J. & GEORGE, T.N. *South Wales*. (British Regional Geology). London: Her Majesty's Stationery Office, 1948. 2nd ed. With diagrams, plates and maps. ii-vi, 1-101pp. 9½" x 6".

The stratigraphy, geology, palaeontology, rock types and fossils of the region. Paper cover. Slightly worn.

POULETT SCROPE, G. *Considerations on Volcanoes*. London: W. Phillips, 1825. Illustrated. Colour frontispiece. iv-xxi, 4-270pp. 8vo.

"... volcanoes, the probable causes of their phenomena, the laws which determine their march, the disposition of their products and their connexion with the present state and past history of the globe, leading to the establishment of a new theory of the earth". Cardboard cover. Very worn.

RAMSAY, *Prof.* A.C. *A Geological Map of England and Wales*. London: Edward Stanford, 1866. With colour map.

Folded map, signed by Professor Ramsay, in cardboard pouch. Worn.

RAMSAY, *Prof.* A.C. & AVELINE, W.T. *Geology of Parts of Wiltshire and Gloucestershire*. London: Her Majesty's Stationery Office, 1858. Illustrated. 6-46pp. 9½" x 6".

Memoirs of The Geological Survey of Great Britain and of The Museum of Practical Geology. Lists of fossils by Robert Etheridge. Paper cover, detached. Worn.

RICHARDSON, L. *The Country around Moreton-in-Marsh*. London: His Majesty's Stationery Office, 1929. With plates and maps. iii-vi, 2-162pp, vii-xi. 9½" x 6".

An interpretation of Sheet 217 of the Geological Survey of Great Britain; notes on the geology and rock types. Slightly worn.

RICHARDSON, L., ARKELL, W.J. & DINES, H.G. *Geology of the Country around Witney*. London: His Majesty's Stationery Office, 1946. With diagrams and plates. iii-v, 2-150pp., vii-xi. 9½" x 6".

An interpretation of Sheet 236 of the Geological Survey of Great Britain; notes on soils, agriculture, drainage, drift deposits etc. Cover slightly worn.

RICHARDSON, L. & HANLEY, J.A. *The Country around Cirencester*. London: His Majesty's Stationery Office, 1933. With diagrams, plates and maps. iii-v, 2-119pp. 9½" x 6".

An interpretation of Sheet 235 of the Geological Survey of Great Britain; notes on the

stratigraphy, geology and rock types. Hard cover. Good condition.

SHERLOCK, R.L. *London and Thames Valley*. (British Regional Geology). London: Her Majesty's Stationery Office, 1947. 2nd ed. With diagrams, plates and maps. iii–iv, 2–69pp.
The stratigraphy, geology, rock types and economy of the region. Paper cover. Slightly worn.

SWINNERTON, H.H. *Fossils*. London: Collins, 1960. Illustrated. Colour frontispiece. v–xiv, 5–274pp. 8½" x 5½".
A picture, from fossils, of prehistoric life. New Naturalist series. Original dust-jacket. Good condition.

WELCH, F.B., CROOKALL, R. & KELLAWAY, G.A. *Bristol and Gloucester District*. (British Regional Geology). London: Her Majesty's Stationery Office, 1948. 2nd ed. With diagrams, plates and maps. ii–iv, 2–91pp.
The stratigraphy, geology and rock types of the region. Paper cover. Slightly worn.

WHITAKER, W. & EDMUNDS, F.H. *The Water Supply of Wiltshire*. London: His Majesty's Stationery Office, 1925. With plates and maps. iii–v, 2–133pp.; vii–xi. 9½" x 6".
From The Geological Survey of England and Wales; underground water sources in relation to geological structure; analyses of well and spring waters. Slightly worn.

WHITE, H.J. Osborne. *The Geology of the Country around Marlborough*. London: His Majesty's Stationery Office, 1925. With diagrams, plates and maps. iii–v, 2–112pp.
An interpretation of Sheet 266 of The Geological Survey of Great Britain; notes on the stratigraphy, geology, palaeontology and rock types. Paper cover. Worn.

WHITEHURST, J. *An Inquiry into the Original State and Formation of the Earth*. London: John Whitehurst & W. Bent, 1778. ii, 2–195pp.
Various propositions about the formation of the earth "deduced from facts and the laws of Nature". Leather binding. Decorated cover. Worn.

WILMORE, A. *A First Book of Geology*. London: Macmillan & Co. Ltd., 1923. With diagrams, plates and maps. vi, 2–141pp. sm8vo.
An introduction to encourage the student "to take up the subject seriously". Good condition.

WOOD, S. *Hampshire Fossils*. London: William Wood, 1829. With 9 plates. 6–16pp. 11" x 8½".
On Gustavus Brander's collection, lodged in the British Museum in 1776. Cardboard cover. Poor condition.

Zoology – Vertebrates

BEWICK, T. *A History of British Birds*. Newcastle: Thomas Bewick, 1821. Early ed. 2 volumes. Illustrated with Bewick's wood engravings. Vol. I. iv–xi, 45–330pp. (Supplement Part I: 4–50pp.); Vol. II. iv–xxii, 20–360pp. (Supplement Part II: 4–49pp.). Both 8½" x 5".
Vol. I. deals with land birds, Vol. II with water birds. Half leather bindings with marbled paper and decorated spines. Both spines worn.

COWARD, T.A. *The Birds of the British Isles and their Eggs*. London: Frederick Warne & Co. Ltd., 1920–26. 3 volumes. With colour plates. Vol. I. vi–vii, 2–376pp.; Vol. II. vi–vii, 2–376pp.; Vol. III. vii–ix, 1–308pp. All 6" x 4½".
Identification, habitat, diet, behaviour, eggs etc. Annotated for Wiltshire. Vol. I. deals with families Corvidae to Sulidae, Vol. II. with families Anatidae to Tetraonidae, Vol. III. with migration and rare visitors. All volumes in good condition.

HOLLOM, P.A. (*ed.*) *The Popular Handbook of British Birds*. London: H.F. & G. Witherby Ltd., 1955. 2nd ed. With colour plates. vii–xxiv, 1–428pp. 8¼" x 5¼".
An edited version of the five volume *Handbook of British Birds* with detailed descriptions and illustrations of birds and their eggs. Paper dust-jacket. Good condition.

HONY, G.B. *The Reptiles, Amphibians and Fishes of Wiltshire*. Reprinted from *The Wiltshire Archaeological & Natural History Magazine*, Vol. xxxix, 1916. pp. 258–262. cr4to.
A local handlist based on the British Museum's *Guide to the British Vertebrates*. Paper cover.

HONY, G.B. *Notes on the Birds of Wiltshire*. Reprinted from *British Birds*, Vol. vii, 1915. pp. 281–290. cr4to.

A handlist updating Smith's *Birds of Wiltshire*.

HONY, G.B. *The Mammals of Wiltshire*. Reprinted from *The Wiltshire Archaeological & Natural History Magazine*, Vol. xxxix, 1915. pp. 15-21. cr4to.

A handlist based on the British Museum's *Catalogue of the Mammals of Western Europe*. Paper cover.

JOHNS, *Rev*. C.A. *ed*. ALEXANDER, W.B. *British Birds in their Haunts*. London: Routledge & Kegan Paul Ltd., 1948. 25th ed. With drawings and colour plates, v-xv, 1-282pp. 8½" x 5½".

Identification, habitat, eggs etc. Decorated cover. Slightly worn.

JOY, N.H. *How to know British Birds*. London: H.F. & G. Witherby Ltd., 1946. With colour plates. 5-136pp. 7" x 4½".

Identification by shape, action, habits, song etc. Original paper dust-jacket. Good condition.

KIRKMAN, F.B. & JOURDAIN, F.C.R. *British Birds*. London: T. Nelson & Sons Ltd., 1935. With colour plates. iv-xvi, 1-179pp. cr4to.

Identification, habitat, nest, eggs, food, song, range etc. Very comprehensive. Eggs shown in colour. Decorated cover. Slightly worn.

MATTHEWS, *Dr*. L.H. *British Mammals*. London: Collins, 1952. 1st ed. With colour plates. v-xi, 1-410pp. 8½" x 5½".

Descriptions and illustrations of all the British mammals. New Naturalist series. Good condition.

MORRIS, *Rev*. F.O. *A Natural History of the Nests and Eggs of British Birds*. London: Groombridge & Sons, 1864. 1st ed. 3 volumes. With colour plates. Vol. I. iv, 2-156pp.; Vol. II. iv, 2-148pp.; Vol. III. iv, 2-140pp. All roy8vo.

Presented to the Library by Canon E.H. Goddard. Finely decorated covers. Good condition. Pages slightly foxed.

PALMER, E.M. & BALLANCE, D.K. *The Birds of Somerset*. London: Longmans, Green & Co. Ltd., 1968. 1st ed. Illustrated. viii-x, 1-204pp. 8½" x 5½".

An analysis of "the great volume of published and unpublished records in this century". With the inscription "Presented to the Wiltshire Natural History Society by the North Wilts Ornithological Group August 1968". Original paper dust-jacket. Good condition.

PEIRSON, L.G. *Wiltshire Birds*. Devizes: Natural History Section of the Wiltshire Archaeological and Natural History Society, 1959. With a *Supplement* by G.L. WEBBER, 1968. 1-43pp. and 1-8pp. cr4to.

A handlist updating Smith's *Birds of Wiltshire*.

PHILLIPS, E. *The Birds of Breconshire*. London: West, Newman & Co., 1882. With frontispiece. vi-viii, 2-45pp. 8½" x 5½".

A list of birds of the region. Reprinted in book form from *The Zoologist* for private circulation. With inscription by the author, donating the book to the Wiltshire Archaeological Society.

SALTER, J.H. *Bird Life Throughout the Year*. London: The Swarthmore Press Ltd., 1924. With colour plates. 5-256pp. 8½" x 5½".

The influence of the seasons on the behaviour of British birds.

SMITH, *Rev*. A.C. *The Birds of Wiltshire*. London: R.H. Porter, 1887. v-xxv, 1-588pp. 8vo.

Chapters on classification, structure, migration, nesting etc.; with "a plea for the rooks" and "a plea for small birds". Good condition.

SWAYSLAND, W. *Familiar Wild Birds*. Vols. III-IV. London: Cassell & Co. Ltd., 1901. With colour plates. Vol. III. viii, 2-160pp.; Vol. IV. viii, 2-144pp. Supplement on *Eggs and Egg Collecting*. 145-176pp. cr8vo.

Behaviour and appearance of familiar British birds. Illustrations by Archibald Thorburn. Half leather binding. Worn. Inside front cover stained.

THORBURN, A. *British Birds*. London: Longman's Green & Co., 1925. 2nd ed. 4 volumes. With colour plates. Vol. I. v-xii, 2-176pp.; Vol. II. v-ix, 1-129pp.; Vol. III. v-x, 1-167pp.; Vol. IV. v-x, 1-154pp. All 8½" x 5½".

Plumage, behaviour, habitats, nesting, eggs etc. All volumes worn.

WESTELL, W.P. *Let's Watch the Birds*. London: Thomas Nelson & Sons Ltd., 1946. With drawings

and colour frontispiece. vii-xiii, 15-256pp. 8″ x 5″.

Chapters on nests, eggs, flight etc. and bird watching in various habitats. Paper dust-jacket. Good condition.

YARRELL, W. *A History of British Birds*. London: John van Voorst, 1871-1885. 4th ed. 4 volumes. Illustrated. Vol. I. vi-xii, 2-646pp.; Vol. II. vi-xvi, 2-494pp.; Vol. III. vi-xvi, 2-684pp.; Vol. IV. vi-viii, 2-531pp. All 8½″ x 5½″.

Identification, behaviour, breeding, eggs, food etc. Half leather binding with marbled paper. Very good condition.

YOUNG, E. Hilton. (1st Baron Kennet of the Dene). *A Bird in the Bush*. Country Life Ltd., 1936. 1st ed. With diagrams. Colour frontispiece by Peter Scott. 1-146pp. cr4to.

A popular account of British birds. Presented to the Library by the author. with a letter to Canon E.H. Goddard. Good condition.

Zoology – Molluscs

FORBES, *Prof.* E. & HANLEY, S. *A History of British Mollusca and their Shells*. London: John van Voorst, 1853. 4 volumes. Illustrated. Vol. I. xii-lxxx, 2-486pp.; Vol. II. vii, 8-257pp.; Vol. III. vi-x, 2-616pp.; Vol. IV. iv-vi, 2-301pp. ro8vo.

Vol. I. deals with the Tunicata and the families of Lamellibranchiata to Cyprinidae; Vol. II. with the remaining families of bivalves, the Pteropoda and Gastropoda to Ianthiridae; Vol. III. with the families of Gastropoda from Neritidae to Elysiadae; Vol. IV. with the Pulmonifera and the Cephalopoda. A standard work. Presented to the Library by Canon E.H. Goddard. Good condition.

JEFFREYS, J.G. *British Conchology. Vol. I. Land and Freshwater Shells*. London: John van Voorst, 1862. With colour frontispiece. vi-cxiv, 2-341pp. cr8vo.

Presented to the Library by Canon E.H. Goddard in 1935. With inscription "Martyn Roberts from the author". Pages uncut. Spine worn.

MANSELL-PLEYDELL, J.C. *The Mollusca of Dorsetshire*. Dorchester: 1898. ii-xxxii, 2-110pp. 8½″ x 5½″.

On the marine, estuarine, freshwater and land molluscs and brachiopods. Presented to the Library by Canon E.H. Goddard.

MONTAGU, G. *Testacea Britannica*. Parts I & II. Romsey: J.S. Hollis, 1803. Illustrated. i-xxxvii, 1-606pp. 10½″ x 8½″.

The "Natural History of British Shells, marine, land and freshwater, including the most minute, systematically arranged". Presented to the Library by Mr C.W. Heginbotham in 1947. Half leather binding in bad condition.

WEBB, W.F. *Foreign Land and Freshwater Shells*. Florida, U.S.A., 1948. 1st ed. Illustrated. 8-183pp. 9″ x 6″.

On the shells of all countries except the United States of America and Canada. Original paper dust-jacket. Good condition.

WEBB, W.F. *Handbook for Shell Collectors*. Florida, U.S.A. 1948. 8th ed. Illustrated. 1-236pp. 9″ x 6″.

On marine species foreign to the United States of America. Original paper dust-jacket. Good condition.

WOOD, W. *Index Testaceologicus; or a Catalogue of Shells*. London: W. Wood, 1828. 2nd ed. With colour plates. iv-xxii, 2-212pp. 8vo.

British and foreign shells listed according to the Linnaean system, with Latin and English names and locations. Binding in poor condition.

WOOD, W. *Supplement to the Index Testaceologicus*. London: W. Wood, 1828. With colour plates. iv, 2-59pp. 8vo.

A supplement to the *Catalogue of Shells*. Worn.

WOODWARD, S.P. *A Manual of the Mollusca*. London: John Weale, 1951-1856. Illustrated. ii-xvi, 4-486pp. 7″ x 4″.

On fossil and recent shells. Cover and spine missing. Very worn.

BRITISH MUSEUM (NATURAL HISTORY). *British Immigrant Butterflies and Moths*. London: The Trustees of the British Museum (Natural History), 1935. With 5 colour plates. Unpaged. cr8vo.

Details of migration behaviour. Paper-covered pamphlet. Worn.

de WORMS, *Baron* Charles, G.M. *The Macrolepidoptera of Wiltshire*. Wiltshire: The Wiltshire Archaeological & Natural History Society, 1962. 1st ed. Illustrated. Map of Wiltshire showing the Watsonian vice-counties as frontispiece. vi-xv, 1-177pp. 8½" x 5½".

Systematic list with status and distribution of the species. Paper cover worn.

de WORMS, *Baron* Charles, G.M. *The Macrolepidoptera of Wiltshire*. Wiltshire: The Wiltshire Archaeological & Natural History Society, 1962. 1st ed. Illustrated. Map of Wiltshire showing the Watsonian vice-counties as frontispiece. vi-xv, 1-177pp. 8½" x 5½".

Interleaved. Paper cover with taped spine. Slightly worn.

FORD, E.B. *Butterflies*. London: Collins, 1945. 1st ed. With diagrams, colour plates and distribution maps. v-xiv, 1-368pp. 8½" x 5½".

The evolution and biology of British butterflies and the recent history of collecting. New Naturalist series. Good condition.

FORD, E.B. *Moths*. London: Collins, 1955. With diagrams, colour plates and maps. vi-xix, 1-266pp. 8½" x 5½".

On genetics, physiology, larvae, evolution, protective devices etc. New Naturalist series. Good condition.

HUDD, A.E. *A Catalogue of the Lepidoptera of the Bristol District*. Bristol, 1884. 149-174, 383-407, 2-40pp. cr8vo.

Reprinted from "The Proceedings of the Bristol Naturalists' Society", Vol. II to Vol. IV. With the inscription "Presented to the Wiltshire Archaeological and Natural History Society by the author October 1888". Good condition.

KIRBY, W.F. *European Butterflies and Moths*. London: Cassell, Petter, Galpin & Co., 1882. With 61 colour plates. iv-xvi, i-lvi, 1-427pp. imp8vo.

Based on Berge's *Schmetterlingsbuch*. Half leather binding with marbled paper inside cover. Page edges marbled. Worn.

MARSDEN-JONES, E.M. *A Study of the Life Cycle of Adieria kollari hartig, the Marble or Devonshire Gall*. London: The Royal Entomological Society, 1953. Illustrated. 195-221pp. cr4to.

A description of the alternating generations. Paper cover. Worn.

MEYRICK, E. *A Handbook of British Lepidoptera*. London: Macmillan & Co., 1895. Illustrated. vi, 2-843pp. cr8vo.

On identification and structural distinctions. With a letter from the author to Canon E.H. Goddard. Fair condition. Spine faded.

NEWMAN, E. *An Illustrated Natural History of British Moths*. London: W. Tweedie, 1869. Illustrated. iv-viii, 4-486pp. roy8vo.

Descriptions, life-size illustrations, locations and dates of appearance of moths and larvae. Half leather binding with marbled paper. Bought for the Library by Canon E.H. Goddard in 1935. Slightly worn.

PECKHAM, G.W. & PECKHAM, E.G. *On the Instincts and Habits of the Solitary Wasps*. Wisconsin, U.S.A.: Wisconsin Geological & Natural History Survey. With colour plates. iv, 4-245pp. roy8vo.

An introduction to the subject, with chapters on sense of direction and stinging habit.

SANDARS, E. *A Butterfly Book for the Pocket*. London: Humphrey Milford, 1939. With colour plates and distribution maps. 7-332pp. 5¾" x 4¼".

A guide for the collector, with descriptions of the structural characteristics of the genera. Slightly worn.

SHUCKARD, W.E. *British Bees*. London: Lovell, Reeve & Co., 1866. With 16 colour plates. viii-xvi, 2-371pp. cr8vo.

"An introduction to the study of the natural history and economy of the bees indigenous to the British Isles". Presented to the Library by Canon E.H. Goddard in 1935. Decorated cover, good condition. Worn spine.

SPRY, W. *ed*. SHUCKARD, W.E. *The British Coleoptera Delineated*. London: W. Crofts, 1840.

With 86 plates. Illustrated supplement. iv-vii, 2-72pp. 8½" x 5½".
Descriptions, illustrations and locations of all the British beetles. Bought for the Library by Canon E.H. Goddard in 1935. Decorated cover. Good condition.

STAINTON, H.T. *A Manual of British Butterflies and Moths*. London: John van Voorst, 1857. 2 volumes. Illustrated. Vol. I. iv-xii, 2-338pp.; Vol. II. viii-xi, 2-480pp. Both 7½" x 4½".
Vol. I. deals with the butterflies and "stout-bodied" moths; Vol. II. with the "slender-bodied" and small moths. Presented to the Library by Canon E. H. Goddard. With a letter by the author in Vol. I. Decorated covers. Good condition. Spines faded.

WILKINSON, S.J. *The British Tortrices*. London: John van Voorst, 1859. With 4 plates. iv-vii, 2-328pp. 8vo.
Detailed descriptions of the larval, pupal and adult stages, with locations. Decorated cover. Good condition.

Botany – General Works

ADLER, H. *Translated by* STRATON, C. *A Biological Study of Oak Galls and Gall Flies*. Oxford: The Clarendon Press, 1894. With colour plates. vi-xliii, 2-198pp. cr8vo.
A description of the alternating generations. Cover slightly discoloured, otherwise good condition.

BALFOUR, J.H. *Class Book of Botany*. Edinburgh: Adam & Charles Black, 1871. 3rd ed. Illustrated. viii-xxii, 2-1118pp. 8vo.
An introduction to the study of classification, structure, functions and distribution of plants. Half leather binding. pp. 1059-1069 loose. Cover worn.

BERKELEY, C.J.A. *Practical Plant Anatomy and Elementary Course for Students*. London: University of London, 1943. Illustrated. 5-112pp. cr8vo.
Guide to the study of botany and microscope use, with suggested experiments. Cover stained. Some foxing inside covers.

BLUNT, W. *The Art of Botanical Illustration*. London: Collins, 1950. With illustrations including colour plates. vii-xxxi, 1-304pp. 8½" x 5½".
Botanical illustration through the ages, from Leonardo da Vinci to Thomas Bewick, including "The Book of the Hours". New Naturalist series. Good condition.

BROWN, R. *The Miscellaneous Botanical Works of Robert Brown*. London: Robert Hardwicke for The Ray Society, 1866. 2 volumes. Vol. I. viii, 4-616pp.; Vol. II. vi-viii, 6-786pp. 8vo.
Vol. I. deals with geographico-botanical, structural and physiological memoirs; Vol. II. with systematic memoirs and contributions to systematic works. Good condition.

DANDY, J.E. *List of British Vascular Plants*. London: Trustees of the British Museum, 1958. v-xvi, 1-176pp. 8vo.
Numbered catalogue of British vascular plants. Good condition.

EARLE, J. *English Plant Names from Xth to XVth Century*. London: Henry Frowde, 1880. vi-cxii, 2-122pp. 6" x 3¾".
A history of plant names. Good condition.

FIELD, M., DURDEN, J.V. & SMITH, F.P. *See How They Grow*. Harmondsworth: Penguin Books, 1952. 1st ed. With plates. viii-x, 12-169pp. 7" x 4½".
The lives of plants as seen through the medium of the film. From the library of R.E. Sandell. Paperback. Worn, especially the spine.

GRIGSON, G. *A Dictionary of English Plant Names (and Some Products of Plants)*. London: Allen Lane, 1974. Illustrated. vii-xii, 1-237pp. 8vo.
A glossary with explanations of Latin and English names and the uses of plants. Very good condition.

HAYWARD. *Hayward's Botanist's Pocket-Book*. London: G. Bell & Sons, 1945. 19th ed. vi-xlv, 4-310pp. sm8vo.
Tabular classification of plants with descriptions, colours, flowering times, locations etc. Annotated by R.E. Sandell. Front cover and spine almost detached.

HAYWARD. *Botanist's Pocket Book*. London: G. Bell & Sons, 1948. 19th ed. vi-xlv, 4-310pp. sm8vo.

The chief characteristics of British plants, various names, habitats, times of flowering etc. Annotated by R.E. Sandell. Stained pages. Cover almost detached. Poor condition.

HEATH, F.G. *The Fern Paradise*. London: George Routledge & Sons Ltd., 1908. 8th ed. Illustrated. 7-428pp. i-xx. 8vo.

A plea for the culture of ferns. Cover in poor condition.

HESLOP-HARRISON, J. *New Concepts in Flowering Plant Taxonomy*. London: William Heinemann Ltd., 1953. 1st ed. Illustrated. v-viii, 1-135pp. cr8vo.

Account of the impact of experimental and other studies on orthodox plant taxonomy. Spine missing.

HUTCHINSON, J. *Key to the Families of Flowering Plants of the World*. Oxford: Clarendon Press, 1967. Illustrated. 1-117pp. roy8vo.

Aid to the identification of flowering plants. Good condition.

HUXLEY, A. *Plant and Planet*. Harmondsworth: Pelican Books, 1978. 2nd ed. 5-463pp. 7" x 4½".

How to understand plants and live with them in harmony. Paperback. Good condition.

LOUSLEY, J.E. (*ed.*) *Species Studies in the British Flora*. London: Botanical Society of the British Isles, 1955. Illustrated. 7-187pp. 8vo.

Various papers on the "species concept". Good condition.

LOUSLEY, J.E. (*ed.*) *Progress in the Study of the British Flora*. London: Botanical Society of the British Isles, 1957. Illustrated. 7-127pp. 8vo.

A review of methods of study. Good condition.

MacLEOD, A.M. & COBLEY, L.S. (*ed.*) *Contemporary Botanical Thought*. London: Oliver & Boyd, 1961. 1st ed. Illustrated. v-ix, 1-197pp. 8vo.

Chapters on morphology, taxonomy, genetics, evolution, ecology, mycology, physiology and plant cell structure. Good condition.

MARSDEN-JONES, E.M. & TURRILL, W.B. *British Knapweeds*. London: The Ray Society, 1954. Illustrated. Colour frontispiece. v-xiii, 2-201pp. 8½" x 5½".

Taxonomy, reproduction etc., and various experiments. Paper dust-jacket. Good condition.

MARSDEN-JONES, E.M. & TURRILL, W.B. *The Bladder Campions (Silene maritima and Silene vulgaris)*. London: The Ray Society, 1957. Illustrated. Colour frontispiece. v-ix, 2-378pp. 8½" x 5½".

A detailed account of the bladder campions in Britain and elsewhere. Bookplate of R. E. Sandell. Paper dust-jacket. Good condition.

MASTERS, M.T. *Vegetable Teratology*. London: Robert Hardwicke for The Ray Society, 1869. Illustrated. viii-xxxviii, 1-534pp. 8vo.

An account of the principal deviations. Page edges foxed. Good condition.

PRIOR, R.C.A. *The Popular Names of British Plants*. London: William & Norgate, 1870. 2nd ed. viii-xxvii, 1-290pp. cr8vo.

On the origins and meanings of names. Decorated cover. Good condition.

PRIOR, R.C.A. *On the Popular Names of British Plants being an Explanation of the Origin and Meaning of the Names of our most Commonly Cultivated Species*. London: Frederic Northgate, 1879. 3rd ed. viii-xxvii, 1-294pp. cr8vo.

Glossary of common plant names and their origins. Some foxing on page edges. Good condition.

SACHS, J. *Text-book of Botany*. (Translated and annotated). London: Macmillan & Co. for The Oxford University Press, 1875. Illustrated. x-xii, 2-858pp. roy8vo.

On morphology and physiology. Worn.

SIMPSON, N.D. *A Bibliographical Index of the British Flora*. Privately published, 1960. Limited edition of 750 copies. v-xix, 1-429pp. 11½" x 8½".

"Including floras, herbals, periodicals, societies and references relating to the identification, distribution and occurrence of phanerogams, vascular cryptogams and charophytes in the British Isles". Good condition.

STYAN, K.E. *The Uses and Wonders of Plant Hairs*. London: Bembrose & Sons Ltd. With 11 plates. 2-65pp. sm8vo.

The protective, defensive and assistive functions of plant hairs. Cloth covered. Slightly worn.

TANSLEY, A.G. *The British Isles and their Vegetation*. Cambridge: Syndics of the University Press, 1949. 2nd ed. 2 volumes. Illustrated. Vol. I. (Parts I-IV) vi-xxxviii, 4-484pp.; Vol. II. (Parts V-IX) vi-xxviii, 488-933pp. cr4to.

On the formation of various habitats and their flora. Bookplate of R. E. Sandell. Good condition.

YOUNG, A. *A Retrospect of Flowers*. London: Jonathan Cape, 1950. 5-176pp. 8″ x 5″.

The author's recollections of plants. From the library of R. E. Sandell. Good condition.

ZIMMER, G.F. *A Popular Dictionary of Botanical Names and Terms with their English Equivalents*. London: George Routledge & Sons Ltd. 2nd ed. v-vi, 1-122pp. cr8vo.

A glossary of botanical names with English translations. Good condition.

Botany – Cryptogams

BERKELEY, M.J. *Handbook of British Mosses*. London: Lovell, Reeve & Co., 1863. Full-page illustrations. viii-xxxvi, 2-324pp.

Details of all known species. Plates hand water-coloured, except one. Half leather binding worn, otherwise good condition.

COOKE, M.C. *Introduction to the Study of Fungi. Their Organography, Classification and Distribution*. London: Adam & Charles Black, 1895. Illustrated. vi-x, 1-36pp. 8vo.

Page tops attached. Spine stained. Good condition.

HOFMEISTER, W. *The Higher Cryptogamia*. London: Robert Hardwicke for The Ray Society, 1862. Illustrated. vi-xvii. 1-506pp. 8vo.

The germination, development and fructification of the higher cryptogams and the fructification of conifers. Page edges foxed. Good condition.

HURST, C.P. *East Wiltshire Mosses, Hepatics and Lichens*. Reprinted from *The Wiltshire Archaeological and Natural History Magazine*, Vol. XLI (1920). p. 40. 8½″ x 5½″.

A species list with locations. Pamphlet, rather discoloured.

RAMSBOTTOM, J. *Poisonous Fungi*. London: Penguin, 1945. With colour plates. 1-16pp. cr8vo.

Descriptions of species. Good condition.

RAMSBOTTOM, J. *A Handbook of the Larger British Fungi*. London: Trustees of the British Museum, 1951. 5th ed. Illustrated. iv, 2-222pp. 8vo.

Descriptions of the species and their habitats. Good condition.

RAMSBOTTOM, J. *Mushrooms and Toadstools*. London: Collins, 1953. With 84 colour and 58 black and white plates. vi-xiv, 1-306pp. 8vo.

Descriptions and biology of fungi. Good condition.

TRIPP, F.E. *British Mosses*. London: George Bell & Sons, 1888. 2nd ed. 2 volumes. Illustrated. Vol. I. iv-xxvii, 2-130pp.; Vol. II. 2-171pp. roy8vo.

Descriptions, habitats, structure and uses. Presented to the Library by Canon E.H. Goddard. Decorated covers. Good condition.

WATSON, E.V. *British Mosses and Liverworts*. Cambridge: Syndics of the Cambridge University Press, 1955. Illustrated. viii-xvi, 1-419pp. 8½″ x 5½″.

Descriptions and identification keys for most species. Field key in pouch inside back cover. Good condition.

Botany – Floras

ADAMS, J. *A Student's Illustrated Irish Flora*. Ashford: L. Reeve & Co. Ltd., 1931. Illustrated. v-viii, 1-343. cr8vo.

A guide to indigenous plants and their distribution. Decorated cover. Good condition.

ANON. *The London Catalogue of British Plants*. London: George Bell & Sons, 1908. 10th ed. 2-48pp. 8vo.

Plant list, annotated for Wiltshire by L.J. Tremayne. Limp cloth cover with hand writing. Worn.

BENTHAM, G. *Handbook of the British Flora*. London: Lovell, Reeve & Co., 1865. 2 volumes. Illustrated. Vol. I. vi-lxxiv, 2-503pp; Vol. II. 506-1076pp. 8vo.

Outline of Botany and descriptions of flowering plants and ferns. Covers partially detached. worn.

BENTHAM, C. *Handbook of the British Flora*. London: Lovell, Reeve & Co., 1887. 5th ed. iv-lxxx, 2-584pp. sm8vo.

Descriptions of flowering plants and ferns. Decorated cover. Spine damaged.

BONNER, G. *British Flora*. London: J.M. Dent & Sons Ltd., 1925. Illustrated. ii-xxxiv, 2-315pp. 7" x 4½".

Identification keys and illustrated synoptical tables. Annotated working copy.

BUTCHER, R.W. & STRUDWICK, F.E. *Further Illustrations of British Plants.* Ashford: L. Reeve & Co., 1946. 1st ed. Illustrated. iv, 1-476pp. cr8vo.

A companion, with Fitch's *Illustrations*, to Bentham's *Handbook of the British Flora*. Decorated cover. Good condition.

BUTCHER, R.W. *A New Illustrated British Flora.* London: Leonard Hill Ltd., 1961. 2 volumes. Illustrated. Vol. I. 1-101pp.; Vol. II. 1-1080pp. 8vo.

Illustrations, descriptions, sizes, habitats etc. Bookplate of R.E. Sandell. Plastic cover. Good condition.

CLAPHAM, A.R. (*ed.*) *Flora of Derbyshire*. Derby: County Borough of Derby Museum & Art Gallery, 1969. Illustrated. Colour frontispiece. v-viii, 1-382pp. 8½" x 5".

With papers on the geology, geomorphology, climate and vegetation. Decorated spine. Good condition.

CLAPHAM, A.R., TUTIN, T.G. & WARBURG, E.F. *Flora of the British Isles.* Cambridge: Syndics of the University Press, 1962. 2nd ed. Illustrated. x-xlviii, 2-1269pp. 8½" x 5½".

Descriptions, classification, habitats etc. Bookplate of R.E. Sandell. Cover worn, almost detached.

CLAPHAM, A.R., TUTIN, T.G. & WARBURG, E.F. *Excursion Flora of the British Isles.* Cambridge: Syndics of the Cambridge University Press, 1959. viii-xxxii, 2-579pp. cr8vo.

Descriptions and habitats of species common in lowland regions. Covered.

DONY, J.G. *Flora of Bedfordshire.* Luton: The Corporation of Luton Museum & Art Gallery, 1953. 1st ed. With plates and maps. 7-532pp. 8½" x 5½".

A study of plant distribution and botanical history, and an analysis of the county flora. Good condition.

DONY, J.G. *Flora of Hertfordshire.* Hitchin: Hitchin Urban District Council, 1967. Illustrated. Colour frontispiece. 56 maps. 11-112pp. 9½" x 7".

The wild plants of the county and adjacent areas within Watsonian vice-county 20. Good condition.

DRUCE, G.C. *The Flora of Oxfordshire.* Oxford: Parker & Co., 1886. iv-lii, 2-451pp. cr8vo.

Topography and history of the flowering plants and ferns of the region. Slightly worn.

DRUCE, G.C. *The Comital Flora of the British Isles*. Arbroath: T. Buncle & Co., 1932. vi-xxxii, 2-407pp. 8vo.

Distribution, habitats, synonyms etc. Colour map of botanical vice-counties in pack inside back cover. Good condition.

FITCH, W.H., & SMITH, W.G. *Illustrations of the British Flora.* London: L. Reeve & Co., 1880. Illustrated. 1-328pp. cr8vo.

Wood engravings, with dissections of plants. A companion to Bentham's *Handbook of the British Flora*. Decorated cover. Good condition.

FLOWER, T.B. *Flora Thanatensis.* Ramsgate: W.A. Hunt, 1847. vi, 2-83pp. sm8vo.

A catalogue of indigenous plants. Donated to the Library by the author, with an inscription. Decorated cover. Page edges foxed. Good condition.

GILMOUR, J. & WALTERS, M. *Wild Flowers.* London: Collins, 1954. With colour plates and drawings. v-xiv, 1-242pp. 8½" x 6".

Descriptions of all the British habitats and their floras. New Naturalist series. Paper dust-jacket. Good condition.

GOODMAN, G.T. *Plant Life in Gower*. Swansea: The Gower Society, c. 1962. With maps and distribution maps. 2-40pp. 8½" x 5½".

Plant distribution in Gower, Oxwich and the Bishopston Valley. Card covered pamphlet. Slightly worn.

GORDON, W.J. *Manual of British Grasses*. London: Simpkin, Marshall, Hamilton, Kent & Co. Ltd., undated. Illustrated in colour. v-xii, 2-180pp. cr8vo.

Guide to grasses, their seeds, customary names etc. Cover worn.

GROSE, J.D. *The Flora of Wiltshire.* Devizes: The Natural History Section of the Wiltshire Archaeological & Natural History Society, 1957. With plates and maps. i-iv, 2-824pp. 8½" x 5½".

Descriptions, habitats, locations etc. Interleaved. With many manuscript additions by R.E. Sandell.

HAZELL, A.B. *et al. South African Wild Flowers.* Cape Town: Dennis Edwards & Co., c. 1916. With colour plates. 6-51pp. 4½" x 3".

Drawings of plants with descriptive verses and botanical notes. Suede-covered booklet. Decorated cover. Good condition.

HEPBURN, I. *Flowers of the Coast*. London: Collins, 1952. With colour plates, drawings and maps. v-xiv, 1-236pp. 8½" x 6".

The floras of salt marsh, dunes, cliffs, shingle etc. New Naturalist series. Good condition.

HOWITT, R.C.L. & HOWITT, B.M. *A Flora of Nottinghamshire*. Published privately, 1936. Map of the botanical vice-county. vi, 2-252pp. 8" x 5½".

The county flora with locations. Good condition.

HULME, F.E. *Familiar Wild Flowers*. London: Cassell, Petter & Galpin, 1877. 3 volumes. With colour plates. Vol. I. vi-xvi, 1-160pp.; Vol. II. iv-xv, 2-160pp.; Vol. III. iv-xv, 2-156pp. cr8vo.

A popular account of British wild flowers. Published 1877-1885 in five volumes, of which three are in the Library. Half-bound. Worn, especially spines.

HUMPHREYS, J. *A Survey of the Flora of East Worcestershire.* Birmingham: The Birmingham Natural History and Philosophical Society, 1917. 2-26pp. 8½" x 5½".

Cardboard covered pamphlet. Cover discoloured. Some foxing.

JERMY, A.C. & TUTIN, T.G. *British Sedges*. London: The Botanical Society of the British Isles, 1968. Illustrated. 2-199pp. 7" x 5".

A handbook. Soft cover. Slightly worn.

JOHNS, C.A. *Flowers of the Field*. London: George Routledge & Sons Ltd., 16th ed. With colour plates. v-xx, 2-278pp. 8vo.

An introduction to botany. Decorated cover. Good condition.

JOHNSON, C. *The Ferns of Great Britain*. London: John E. Sowerby, 1855. With colour plates. 2-87pp. 8vo.

Classification and descriptions. Illustrated by John E. Sowerby. Half-bound. Some foxing. Worn.

KEBLE MARTIN, W. *The Concise British Flora in Colour*. London: George Rainbird, 1965. 1st ed. With colour plates. 7-231pp. cr4to.

An illustrated flora. Decorated cover. Good condition.

KENT, D.H. & LOUSLEY, J.E. *A Hand List of the Plants of the London Area*. Published in seven parts as supplements to the *London Naturalist*, 1951-1957. 8½" x 5½".

Paper covers. Worn.

LEES, E. *The Botany of Worcestershire.* Worcester: The Worcester Naturalists' Club, 1867. Illustrated. Colour maps as frontispiece. ii-xci, 2-147pp.; 3-48pp. 8½" x 5½".

The distribution of indigenous and naturalised plants. Decorated cover. Slightly worn.

LINTON, E.F. *Flora of Bournemouth including the Isle of Purbeck*. Edinburgh: Turnbull & Spears, c. 1900. vii-viii, 1-290pp. cr8vo.

The flora of the region within twelve miles of the centre of Bournemouth. Outer page edges foxed. Cover worn.

LOUSLEY, J.E. *Wild Flowers of Chalk and Limestone.* London: Collins, 1950. With colour plates. vii-xvii, 2-254pp. 8½" x 6".

New Naturalist series. Good condition.

LOUSLEY, J.E. (*ed.*) *The Study of the Distribution of British Plants*. Arbroath: The Botanical Society of the British Isles, 1951. Illustrated. 8-128pp. 8vo.

Papers on plant distribution. Paper cover. Worn.

LOWE, E.J. *A Natural History of British Grasses*. London: Groombridge & Sons, 1862. Illustrated. 2-245pp. roy8vo.

Descriptions, flowering times etc. Donated to the Library by Canon E.H. Goddard. Some pages uncut. Decorated cover. Fair condition.

MANSEL-PLEYDELL, J.C. *Flora of Dorsetshire.* London: Whittaker & Co., 1874. One colour map. ii, 2-320pp. 8" x 5".

A catalogue of plants with notes on geology and physical geography. Half-bound leather and marbled paper. Worn.

MILNE-REDHEAD, E. (*ed.*) *The Conservation of the British Flora*. London: The Botanical Society of the British Isles, 1963. 7-90pp. 8vo.

Papers on plant conservation. Bookplate of R.E. Sandell. Cover slightly marked. Good condition.

MURRAY, R.P. *The Flora of Somerset*. Taunton: The Somersetshire Archaeological and Natural History Society, 1896. Illustrations and map. iv-lxi, 8-437pp.

A plant list with locations of the rarer species. Bookplate of R.E. Sandell and a letter from the author to "Lord Bishop". Decorated cover. Good condition.

NEWMAN, E. *The Phytologist: A Popular Botanical Miscellany. Vol. III.* London: John van Voorst, 1850. Illustrated. vi-xvi, 746-1120pp. 8vo.

Accounts of the botany of various counties and habitats, and some plant anomalies. Half-bound. Decorated spine. Cover in poor condition.

NEWTON, L. *Plant Distribution in the Aberystwyth District including Plynlimon and Cader Idris*. Aberystwyth: The Cambrian News, undated. With maps. 11-50pp. 8½" x 5½".

On various habitats and features of the region. Decorated cover.

O'BRIEN, C. & PARKINSON, C. *Wild Flowers of the Undercliff, Isle of Wight.* London: L. Reeve & Co., 1881. With colour plates. vi, 2-143pp. 7" x 5".

A traveller's guide to the flora. Spine worn, otherwise good condition.

PETCH, C.P. & SWANN, E.L. *West Norfolk Plants Today*. 1962. Illustrated. v-xiii, 2-89pp. 8½" x 5½".

Supplement to the Proceedings of The Botanical Society of the British Isles. Pamphlet. Slightly worn.

PRAEGER, R.L. *A Tourist's Flora of the West of Ireland*. Dublin: Hodges, Figgis & Co. Ltd., 1909. With plates and maps. vi-xii, 2-243pp. 7" x 4½".

The botany and topography of the region and systematic list of plants. Plastic cover. Worn.

PRATT, A. *The Flowering Plants, Grasses, Sedges and Ferns of Great Britain*. London: Frederick Warne & Co., 1891. 4 volumes. Illustrated in colour. Vol. I. vi-xii, 2-256pp.; Vol. II, vi-xii, 2-247pp.; Vol. III. vi-xi, 2-251pp.; Vol. IV. vi-x, 2-140pp. roy8vo.

Descriptions, habitats, uses etc. Decorated covers. Good condition.

PRESTON, T.A. *The Flora of Marlborough.* London: John van Voorst, 1863. Map as frontispiece. iv-xxiii, 2-129pp. 7½" x 4½".

A plant list with notes on geology and birds. Decorated cover. Some foxing and discolouration.

PRESTON, T.A. *The Flora of Marlborough*. London: John van Voorst, 1870. 2nd ed. iv-viii, 2-342pp. 8" x 5".

Descriptions, habitats and flowering dates. Not many copies printed. Half-bound. Worn.

PRESTON, T.A. *The Flowering Plants of Wilts.* Devizes: The Wiltshire Archaeological and Natural History Society, 1888. Illustrated. Colour map as frontispiece. vi-lxix, 1-436pp. 8vo.

A plant list with locations. Decorated cover. Some foxing. Slightly worn.

RAVEN, J. & WALTERS, M. *Mountain Flowers*. London: Collins, 1956. With colour plates and distribution maps. v-xv, 2-240pp. 8½" x 5½".

Descriptions and floras of various mountain habitats such as Snowdonia, the Cairngorms etc. New Naturalist series. Paper dust-jacket. Good condition.

REES, F.W. *A List of Pembrokeshire Plants*. Tenby: The Tenby Museum and the West Wales Field Society, 1950. 8-53pp. 8½" x 5½".

A plant list with locations. Paper and card covered leaflet.

RIDDELSDELL, H.J., HEDLEY, G.W. & PRICE, W.R. *Flora of Gloucestershire*. Cheltenham: The Cotteswold Naturalists' Field Club, 1948. With maps and colour frontispiece. vii-clxxxii, 2-667pp. 8½" x 5½".

Including phanerogams, vascular cryptogams and charophytes. Maps in pouch inside back cover. Bookplate of R.E. Sandell. Note "From His Grace the Duke of Beaufort K.G.". Front cover almost detached.

ROLES, S.J. *Flora of the British Isles. Illustrations (I).* Cambridge: Syndics of the Cambridge University Press, 1957. v-vi, 2-143pp. 11" x 8½".

Pteridophyta to Papilionaceae; illustrations for the *Flora* by Clapham, Tutin & Warburg. Bookplate of R.E. Sandell. Paper dust-jacket. Good condition.

ROSS-CRAIG, S. *Drawings of British Plants*. London: G. Bell & Sons Ltd., 1948, in 27 parts. Illustrated. 8vo.

Paper covers, some with worn spines. Some illustrations slightly foxed.

SALISBURY, *Sir* Edward. *Weeds and Aliens*. London: Collins, 1961. With diagrams, plates and maps. Colour photograph as frontispiece. 9-384pp. 8½" x 6".

The weeds of various habitats and means of control. New Naturalist series. Plastic dust-jacket. Good condition.

SCHULZE, M. *Die Orchidaceen*. Berlin: Hugo Bermühler Verlag, 1894. With diagrams and colour plates. 1-17pp. 9½" x 6½".

The orchids of Germany, German Austria and Switzerland. Only the orchid list paged. Bookplate of David B. Pickering. Cover worn and detached.

SENN, G. *Alpenflora. Flora der Westalpen*. Heidelberg: Carl Winter's Universitätsbuchandlung, c. 1907. Illustrated. vi-xxxvi, 1-144pp. sm8vo.

Descriptions of the alpine flora and habitats. Annotated. Some specimens enclosed. Good condition.

SKENE, M. *A Flower Book for the Pocket*. London: Humphrey Milford, 1941. 4th ed. Illustrated in colour. 6-380pp. 6" x 4".

Identification keys and descriptions. Good condition.

SMITH, G.E. *A Catalogue of Rare or Remarkable Phaenogamous Plants Collected in South Kent*. London: Longman, Rees, Orme, Brown & Green, 1829. With colour plates, 2-76pp. 8" x 5".

Descriptive notes and observations. 5 water-colour plates and extra drawing on detached sheet. Interleaved. Annotated. Leather bound. Cover and spine decorated. Spine worn, otherwise good condition.

SMITH, H. *Flora Sarisburiensis.* London: Wilkie, 1817. With colour plates. Unpaged. 9½" x 6".

A repository of English botany, general and medical. Pages uncut. One page missing. Index page hand written. Illustrations hand water-coloured.

SMITH-PEARSE, T.N.H. *Hand-list of Flowering Plants of the District*. 1919. 2-32pp. 8½" x 5½".

A revised handlist of the Marlborough district, based on Preston's *Flora of Marlborough*. Paper covered pamphlet. Some foxing.

STEARN, L.F. (*ed.*) *Supplement to the Flora of Wiltshire*. Devizes: The Natural History Section of the Wiltshire Archaeological and Natural History Society, 1975. With maps, distribution maps and photograph of Donald Grose. xvi, 4-150pp. 9½" x 7½".

A supplement to Grose's *Flora of Wiltshire*. Paper dust-jacket. Good condition.

STEWART, S.A. & CORRY, T.H. *A Flora of the North-East of Ireland*. Belfast: The Belfast Naturalists' Field Club, 1888. vi-xxxiii, 2-331pp. 7" x 5".

Descriptions and habitats. Decorated cover. Good condition.

SUMMERHAYES, V.S. *Wild Orchids of Britain*. London: Collins, 1951. With colour plates, maps and distribution maps. v-xvii, 2-366pp. 8½" x 5½".

The orchids and their place in the flora. New Naturalist series. Good condition.

TAHOURDIN, C.B. *Native Orchids of Britain*. Croydon: H. Grubb Ltd., c. 1945. Illustrated. vii-xiv, 3-114pp. 8½" x 5½".

Descriptions of all the species and some hybrids and abnormal forms. Good condition.

TOWNSEND, F. *Flora of Hampshire, including the Isle of Wight*. Ashford: L. Reeve & Co. Ltd., 1904. New ed. With a map and colour frontispiece. vi-xxxviii, 2-657pp. 8½" x 5½".

A list of the flowering plants and ferns of the Southampton area, with locations. Extensive foxing. Spine worn, otherwise good condition.

TURNER, D. *The Botanist's Guide Through England and Wales*. London: Phillips & Fardon, 1805. 2 volumes. ii-xvi, 2-804pp. cr8vo.

Plant lists of English and Welsh counties, with locations. Page edges discoloured. Covers very worn. Spines missing.

TURRILL, W.B. *British Plant Life*. London: Collins, 1948. With colour plates and maps. vii-xvii, 2-315pp. 8½" x 6".

Adaptation, natural selection, variation etc. Good condition.

WALTON, C.L. *A Contribution to the Flora of the St. David's Peninsula*. Haverfordwest: The West Wales Field Society, 1951. 2-28pp. 8½" x 5½".

A brief plant list. Paper-covered pamphlet. Bookplate of R.E. Sandell. Discoloured. Slightly worn.

WATSON, H.C. *Topographical Botany*. London: Bernard Cuaritch, 1883. 2nd ed. With distribution map. x-xlvii, 2-612pp. 8vo.

Personal records of plant distribution in England, Wales and Scotland. Cover almost detached.

WEBB, D.A. *An Irish Flora*. Dundalk: W. Tempest, 1953. 2nd ed. Illustrated. vii-xxx, 2-250pp. cr8vo.

Identification guide. Annotated. Plastic cover. Foxed.

WEDGWOOD, M.L. *A Catalogue of the Plants in the Wedgwood Herbarium at Marlborough College*. Arbroath: T. Buncle, 1945. v-viii, 2-238pp. 8½" x 5½".

A plant list with dates and locations. Bookplate of the author's son, Alan Wedgwood. Spine faded. Good condition.

WEDGEWOOD, M.L. *Catalogue of the Wedgewood Herbarium*. London: The Arden Press, 1920. With one plate. 7-54pp. 8½" x 5½".

A catalogue of the Wedgewood Herbarium at Marlborough College. With an inscription by the author to Emery Walker, bookplate of the author's son, Alan Wedgwood, and two pages of vellum with plant names and drawings. Red leather covers, decorated. Spine worn.

WHITE, J.W. (*ed.*) *Flora of the Bristol Coal-Field*. Bristol: James Fawn & Son, 1881. 8" x 5".

A plant list with locations. Half-bound leather and marbled paper. Spine worn. Covers loose.

WHITE, J.W. *The Flora of Bristol*. Bristol: John Wright & Sons Ltd., 1912. With one map. vi-viii. 8½" x 5½".

The flowering plants and ferns of the district. Decorated cover. Spine almost detached. Worn.

WHITEHEAD, L.E. *Plants of Herefordshire*. Hereford: Herefordshire Botanical Society, 1976. With maps. v-xxvii, 1-87pp.

A handlist. Cardboard cover. Good condition.

Botany – Trees, Shrubs and Forestry

EDLIN, H.L. *Trees, Woods and Man*. London: Collins, 1956. With line drawings, photographs and colour plates. v-xv, 2-272pp.

Studies of trees and their environment, man's influence on forests etc. Bookplate of R.E. Sandell. Paper dust-jacket. Good condition.

POLLARD, E., HOOPER, M.D. & MOORE, N.W. *Hedges*. London: Collins, 1974. 1st ed. With diagrams, plates and maps. 22-256pp. 8½" x 5½".

The history of hedges, their flora and fauna etc. New Naturalist series. Bookplate of R.E. Sandell. Dust-jacket and plastic cover. Good condition.

RACKHAM, O. *Trees and Woodland in the British Landscape*. London: J.M. Dent & Sons Ltd., 1976. With diagrams, maps and distribution maps. 11-204pp. 8½" x 5½".

The development of woodland and woodmanship from 8000 B.C., the nature and distribution of trees, medieval management, modern forestry and a plan for conservation. Paper dust-jacket. Very good condition.

STEP, E. *Wayside and Woodland Trees*. London: Frederick Warne & Co., c. 1910. Illustrated. 6-182pp. 6" x 4½".

A pocket guide to British trees. Cover slightly damaged, other wise good condition.

STONE, H. *The Timbers of Commerce and their Identification*: London: William Rider & Son, 1918. with 186 photo-micrographs. v-xl, 1-311pp. 8½" x 5½".

Descriptions and distinguishing features of timbers. Spine slightly worn.

Wiltshire Plant Notes (40)*

compiled by
Joan Swanborough

(All records for 1979 unless otherwise stated).

Thalictrum minus ssp. minus L. Lesser Meadow Rue. 3. Garden weed. Coffin Close & Westrop Farmhouse, Highworth GE.
Mahonia aquifolium (Purch) Nutt. Oregan Grape. 8. Boyton MT.
Papaver atlanticum (Ball) Coss. 7. Salisbury MT.
Brassica nigra (L.) Koch. Black Mustard. 1. Ladydown Barn. 8. Imber JS (1977).
Erucastrum gallicum (Willd.) O.E. Schultz. Hairy Rocket. 1. Lavington Down BG.
Diplotaxis muralis (L.) D.C. Stinkweed. 1. Bradford-on-Avon DG.
Lepidium perfoliatum L. 7. Salisbury. FDR det. EJC (1976).
Arabis hirsuta (L.) Scop. Hairy Cress. 8. Imber CFS.
Sisymbrium altissimum L. Tall Rocket. 7. Salisbury FDR det. EJC (1976).
Camelina sativa (L.) Crantz. Gold of Pleasure FDR det. EJC (1976).
Polygala serpyllifolia Hose. Heath Milkwort. 1. Vagg's Hill DG.
Silene noctiflora L. Night-flowering Catchfly. 8. Parsonage Farm EC. 7. The Butts, Salisbury MT.
Saponaria officinalis L. Soapwort. 1. Ladywell Down JS (1977).
Cerastium arvense L. Field Mouse-ear Chickweed. 1. Thirteen Hundred Down JSB.
Geranium sanguineum L. Bloody Cranesbill. 9. Netherhampton FDR, MT.
Geranium pusillum L. Small-flowered Cranesbill. 5. Cholderton FDR, MT.
Acer platanoides L. Norway Maple. 7. Woodford Valley FDR, MT.
Buxus sempervirens L. 2. Box. 10. Bodenham FDR, MT.
Laburnum anagyroides L. Laburnum. 5. Hound Wood Winterslow FDR, MT.
Genista tinctoria L. Dyer's Greenweed. 8. Grant's Farm JS (1977).
Melilotus officinalis (L.) Pall. Melilot. 8. Norton Down BG.
Trifolium medium L. Zig-zag Clover. 7. The Butts, Salisbury FDR, MT.
Trifolium micranthum Niv. Slender Trefoil. 2. Lawn Chippenham JS.
Robinia pseudoacacia L. False Acacia. 10. Farley FDR, MT.
Lathyrus tuberosus L. Earth-nut Pea. 8. Church Hill (Market Lavington) TK, PM.
Saxifraga hypnoides L. Dovedale Moss. 2. Kingsdown BNHS.
Philadelphus coranarius L. Mock Orange. 10. Between Wilton and Broad Chalke FDR, MT.
Daphne mezereon L. Daphne. 3. Roughmoor NM.
Daphne laureola L. Spurge Laurel. 10. Between Wilton and Broad Chalke FDR, MT.
Epilobium roseum Schreb. Pale Willow-herb. 7. The Butts, Salisbury FDR, MT.
Epilobium tetragonum L. Square-stemmed Willow-herb. 8. Warden's Down AG.
Petroselinum segetum (L.) Koch. Corn Caraway. 7. Great Durnford FDR, MT.
Angelica archangelica L. Culinary Angelica. 7. Salisbury FDR, MT.
Heracleum mantagazzianum Somm. & Levier. Giant Hogweed. 2. Somerford Common FDR, MT.
Aristolochia clematitis L. Birthwort. 10. North Canonry Gardens, Salisbury FDR, MT.
Euphorbia lathyrus L. Caper Spurge. 2. Bradford-on-Avon DG.
Euphorbia cyparissias L. Cypress Spurge. 9. Netherhampton FDR, MT.
Polygonum amphibium L. Amphibious Bistort. 8. Rough Down BG.

* The Wiltshire Plant Notes presented in Vol. 74 (1979) were incorrectly numbered (30). This should have read (39). *Ed.*

Polygonum minus Huds. Least Water-pepper. 10. Streamside Britford FDR, MT.
Juglans regia L. Walnut. 2. Box BNHS. 10. Bodenham FDR, MT.
Salix babylonica L. Weeping Willow. 7. Salisbury FDR, MT.
Vinca major L. Greater Pariwinkle. 2. Kingsdown BNHS.
Centaurium puchellum (Sw.) Druce. Slender Centaury. 8. Warden's Down AG.
Polemonium caeruleum L. Jacob's Ladder. 1. Waste ground Trowbridge Trading Estate EMC.
Amsinckia intermedia Fisch et May. 7. Salisbury FDR det. EJC (1976).
Plagiobothrys scouleri (Hook et al) I.M. Johnst. 7. Salisbury FDR det. EJC (1976).
Pulmonaria officinalis L. Lungwort. 2. Kingsdown BNHS. 10. Broad Chalke FDR, MT.
Echium vulgare L. Viper's Buglos. 3. Brookfield near Highworth GE. 8. Norton Down BG, Winkland Down JSB, Warden's Down AG.
Hyoscymus niger L. Henbane. 2. Waste ground Foghamshire AM, JS.
Datura stramonium L. Thorn-apple. 1. Maiden Bradley CHB.
Verbascum phlomoides L. Orange Mullein. 1. Bradford-on-Avon DG.
Verbascum blattaria L. Moth Mullein. 2. In crazy paving Biddestone MS.
Veronica polita Fries. Grey Speedwell. 2. Box BNHS.
Veronica filiformis Sm. Slender Speedwell. 2. Box, becoming invasive BNHS.
Calamintha ascendens Jord. Common Calamint. 1. Mancombe Bottom LRB.
Melissa officinalis L. Balm. 1. Vagg's Hill DG.
Campanula rapunculoides L. Creeping Bellflower. 2. Kingsdown BNHS.
Galium x pomeranicum Retz. 8. Warden's Down AG.
Valerianella rimosa Bast. Broad-fruited Cornsalad. 10. Odstock FDR, MT.
Seneco viscosus L. Sticky Groundsel. 2. Box BNHS.
Inula helenium L. Elecampine. 1. Nr. Fulling Bridge Farm AG.
Aster lanceolatus Willd. Michaelmas Daisy. 1. Waste ground Westbury Station RP.
Onopordon acanthium L. Cotton Thistle. 8. Casual on disturbed ground Wylye FDR, MT.
Picris hieracoides L. Hawkweed Ox-tongue. 1. West Lavington Down BG.
Lactuca serriola L. Prickly Lettuce. 1. Vagg's Hill DG.
Hieracium vulgatum Fr. 5. Dean Hill FDR, MT.
Hieracium maculatum Sm. 10. Standlynch FDR, MT.
Hieracium lachenalii C.C, Geml. 5. Whiteparish FDR, MT.
Hieracium calcaricola (F.J. Hanb.) Roffey 2. Derelict railway sidings Shockerwick DG det. CAA.
Pilosella brunneocroceum (Hieracium brunneocroceum) Pugsl. Fox & Cubs. 2. Kingsdown BNHS. 3. Highworth GE.
Alisma plantago-aquatica L. Water-Plantain. 8. nr. Imber JS (1978), Rough Down BG.
Ruscus aculeatus L. Butcher's Broom. 3. nr. Hannington Hall GE.
Ornithogalum nutans L. Drooping Star of Bethlehem. 3. Inglesham Churchyard GE.
Narcissus pseudonarcissus L. Wild Daffodil. 2. For many years nr. Column Mill (Castle Combe) DI.
Narcissus majalis Curt. Pheasant's Eye. 2. Wooded bank nr. Giddeahall JS.
Carex pseudocyperus L. Hop Sedge. 10. Alderbury FDR, MT.
Catapodium rigidum (L.) C.E. Hubbard. Hard Poa. 8. Warden's Down AG.
Poa bulbosa L. *var. vivipara*. Bulbous Poa. 7. Roadside Salisbury FDR det. EJC (1976).
Poa angustifolia L. 10. Verge Whiteparish FDR, MT.
Hordeum jubatum L. Fox-tail Barley. 2. Stanton AG, JS.
Avena fatua L. Wild Oat. 1. Thirteen Hundred Down JSB.
Deschampsia caespitosa (L.) Beauv. Tufted Hair Grass. 8. Imber Clump BG.

Contributors

C.A. Andrews, J. & S. Baker, L. & R. Balfe, C.H. Beake, Box Natural History Society, E.J. Clement, Mrs E.M. Curtis, G. Eastwood, Miss B. Gillam, D. Green, A. Grenfell, Mrs M. Hooper, Miss D. Ings, T. Kame, A. Matthews, N. McCarter, P. Merritt, R. Payne, Mrs F.D. Richards, Mrs C.F. Stone, Mrs J. Swanborough, Mrs M. Syne, Mrs M. Thomas.

Entomological Report 1979

compiled by
John d'Arcy

Introduction

This has been a year of mixed results, similar in many ways to 1978, with a number of surprising and noteworthy records and one or two alarming omissions. The number of different species noted, especially amongst the moths, has been encouraging, although some recorders have reported seeing fewer of each species.

The Clouded Yellow was seen in small numbers for the first time since 1976 and the arrival of the Painted Lady and some of the autumnal migratory moths such as the Pearly Underwing and the White-speck suggest that this was not a bad year for migrants although nothing to compare with the exceptional moth migration in the autumn of 1978. The absence of any sighting of the White-letter Hairstreak, an elm feeder, is depressing, although it is easily overlooked.

It is interesting to note from the localities visited for butterflies how crucial a part the remaining woodlands in Wiltshire play in the survival of many species. Nearly half the species mentioned are widely scattered across the county's woods, but could decrease in number as deciduous woodlands diminish. Picket Wood in Heywood has been closely watched during the last few years and 35 species of butterflies have been recorded there since 1974, including in that year the Silver-studded Blue, generally an inhabitant of open heathland and a surprising discovery in the wood.

A new sighting for the county is that of the Angle-barred Pug, seen at Whaddon near Salisbury, where the Barred Chestnut first seen last year was again recorded. The Scarce Prominent, normally confined to oak woods in south Wiltshire, is an exceptional insect at Wroughton; the Blair's Shoulder Knot, whose larvae feed on *Cupressus macrocarpa*, first spotted on the Isle of Wight in 1951, seems to become more widespread every year.

A further selection from the huge families of the micro-lepidoptera has been added to this list, and for these sightings and for the painstaking and informative lists of records I am most grateful to all the recorders.

Baron de Worms, one of the leading British entomologists of recent years and the editor of the Wiltshire Macrolepidoptera, died in October 1979. All who study the larger moths in this county are greatly indebted to him and his work; an appreciation will appear elsewhere.

A Selection of Entomological Records 1979

Thymelicus lineola Ochs.	**Essex Skipper**	
Picket Wood	14.07	MF
Blackmoor Copse	21.07	MF
Westbury White Horse	28.07	MF
Bratton	26.07	RT
Etchilhampton	24.07	FM
Imber	25.08	EGS
Leptidea sinapis Linn.	**Wood White**	
Colony introduced 1973		
N. Wiltshire, now flourishing		DB

Colias croceus Geoffr.

Oare Hill	**Clouded Yellow**	
Tilshead Camp, one var. *helice*	19.08	GLW
Upavon	01.09	CGL
	04.08	SDNHS

Thecla betulae Linn.

Somerford Common, ova.	**Brown Hairstreak**	
	25.02	GLW

Thecla quercus Linn.

Blackmoor Copse	**Purple Hairstreak**	
Picket Wood, 50 specimens one evening	21.07	MF, CGL
Red Lodge Wood	25.07	MF
Chisbury Wood	22.07, 01.08	DB, BG
	22.07	BG

Plebejus arus Linn.

Picket Wood, an unusual location	**Silver-studded Blue**	
	31.07	EGS

Aricia agestis D. & S.

Barbury Castle	**Brown Argus**	
Liddington Castle	18.06	RG
Morgan's Hill	20.06	RG
Picket Wood	10.06	MF
Leipzig Plantation, Devizes	28.06	MF
Imber	02.06	FM
Bratton	17.06	BG
	17.06	JP

Lysandra coridon Poda

Cotley, colony much reduced	**Chalk Hill Blue**	
Knap Hill	08	CGL
Tilshead	26.07, 15.09	DB, JMW
Whaddon	27.07	FM
Imber	08	AG
Bratton	26.08	BG
	19.08	JP

Lysandra bellargus Rott.

Imber	**Adonis Blue**	
Bratton	24.06	JP
	09.06, 20.06	JP, BW

Cupido minimus Fuess.

Knap Hill	**Small Blue**	
Imber, common	10.06	DB
Nr. Devizes library	10.06–19.08	EGS, JP
Picket Wood	26.07	RT
Bratton	05.08	RT
	09.06	JNd'A

Celastrina argiolus Linn.

Devizes	**Holly Blue**	
Bradford-on-Avon	14.05–28.08	FM, BG
West Kington	29.07	JMW
Morgan's Hill	01.06	MB
Picket Wood	10.06	MF
West Ashton	19.05	MF
Imber	21.08	EGS
	08.08–15.09	EGS

Hamearis lucina Linn.

Picket Wood	**Duke of Burgundy Fritillary**	
Morgan's Hill	09.06	MF
Somerford Common	10.06	MF
Bratton	09.06	DB
Imber	09.06	JNd'A
	07.06	JP

Ladoga camilla Linn.
Picket Wood
Blackmoor Copse
Red Lodge Wood
Somerford Common
Collingbourne Woods
Bentley Wood, numerous
Savernake
Clanger Wood

Apatura iris Linn.
Blackmoor Copse, a good year
Savernake

Cynthia cardui Linn.
Knap Hill
Whaddon
Upavon
Imber
Steeple Ashton
Kingston Deverill

Polygonia c-album Linn.
Red Lodge Wood
Cricklade
Picket Wood
Blackmoor Copse
Webbs Wood
Stratford-sub-Castle
Somerford Common
Poulshot
Clanger Wood

Boloria selene D. & S.

Picket Wood
Red Lodge Wood
Somerford Common

Boloria euphrosyne Linn.
Somerford Common

Argynnis adippe D. & S.
Great Ridge Wood, scarce
Red Lodge Wood

Argynnis aglaja Linn.
Westbury White Horse
Picket Wood
Knap Hill
Heddington
Great Ridge Wood, much reduced
Imber

Argynnis paphia Linn.
Picket Wood
Red Lodge Wood
Savernake
Collingbourne Woods

White Admiral

14.07, 04.08	MF, RK, RT
21.07	MF
14.07, 01.08	DB, BG
17.07	DB
15.07	FM
21.07	CGL
03.08	EGS
12.07	JP

Purple Emperor

21.07	MF, CGL
08.08	SDNHS

Painted Lady

15.09	JMW
19.08	SDNHS
20.08	SDNHS
07.09	JP
13.07	EGS
29.08	BG

The Comma

01.08	BG
05.08	RG
14.04	MF, RK
21.07	MF
14.07	DB
26.07	SDNHS
05.09	JNd'A
10.09	BG
12.07	JP

Small Pearl-bordered Fritillary

09.06	MF
01.07	DB
23.06	DB

Pearl-bordered Fritillary

09.06	MF

High Brown Fritillary

05.08	FM, CGL
01.08	BG

Dark Green Fritillary

28.07	MF
04.08	MF
05.08	DB
24.07	FM
08	CGL
09.07, 15.08	BG, JP

Silver Washed Fritillary

14.07	MF, RK
14.07, 01.08	DB, BG
05.08	DB
15.07	FM

Great Ridge Wood, var. *valezina* plentiful	07	CGL
Chickengrove Bottom	29.07	BG
Imber	08.07	JP
Eurodryas aurinia Rott.	**Marsh Fritillary**	
Picket Wood	17.06	MF
Alton Barnes	10.06	DB
Somerford Common	23.06	DB
Imber	22.06	JP
Eriogaster crataegi Linn.	**Pale Eggar**	
Wroughton	11.09	DB
Lasiocampa quercus Linn.	**Oak Eggar**	
Whaddon	21.07	AG
Somerford Common	17.07	DB
Cholderton	28.07	HE
Gastropacha quercifolia Linn.	**The Lappet**	
Whaddon	14.07	AG
Silbury Hill, larvae	31.05	DB
Cholderton	17.07	HE
Saturnia pavonia Linn.	**The Emperor**	
Imber, pupa case	22.04	EGS
Scopula immutata Linn.	**Lesser Cream Wave**	
Landford	27.06	AG
Idaea fuscovenosa Goeze	**Dwarf Cream Wave**	
Landford	03.07	AG
Idaea trigeminata Haw.	**Treble Brown Spot**	
Whaddon	30.06	AG
Rhodometra sacraria Linn.	**The Vestal**	
Steeple Ashton, a rare migrant	30.08	EGS
Orthonama vittata Borkh	**Oblique Carpet**	
Edington	08.06	JNd'A
Mesoleuca albicillata Hb.	**Beautiful Carpet**	
Whaddon	21.07	AG
Chloroclysta siterata Hufn.	**Red-green Carpet**	
Steeple Ashton	27.09	EGS
Thera firmata Hb.	**Pine Carpet**	
Whaddon	13.10	AG
Hydriomena ruberata Freyer	**Ruddy Highflyer**	
Whaddon, very rare	30.06	AG
Rheumaptera undulata Linn.	**Scallop Shell**	
Steeple Ashton	27.07	EGS
Longleat	24.07	EGS
Trowbridge	28.07	BWW
Whaddon	01.07	AG
Euphyia biangulata Haw.	**Cloaked Carpet**	
Steeple Ashton	03.08	EGS
Eupithecia pulchellata Steph.	**Foxglove Pug**	
Steeple Ashton	05.07	EGS

Eupithecia irriguata Hb.	**Marbled Pug**	
Whaddon	12.05	AG
Eupithecia venosata Fabr.	**Netted Pug**	
Imber	10.06	EGS
Bratton	19.08	JNd'A
Eupithecia intricata Zett.	**Edinburgh Pug**	
Whaddon	30.06	AG
Steeple Ashton	14.05	EGS
Eupithecia absinthiata Cl.	**Wormwood Pug**	
Whaddon	31.08	AG
Trowbridge	31.05	EGS
Eupithecia expallidata Doubl.	**Bleached Pug**	
Imber	16.06	EGS
Eupithecia denotata Hb.	**Campanula Pug**	
Whaddon	04.08	AG
Steeple Ashton	04.07	EGS
Eupithecia succenturiata Linn.	**Bordered Pug**	
Imber	14.07	EGS
Whaddon	14.07	AG
Eupithecia innotata Hufn.	**Angle-barred Pug**	
Whaddon, new Wiltshire record	11.08	AG
Trichopteryx polycommata D. & S.	**Barred Tooth-striped**	
Whaddon	30.03	AG
Somerford Common	14.04	DB
Pterapherapteryx sexalata Retz.	**Small Seraphim**	
Whaddon	27.06	AG
Acasis viretata Hb.	**Yellow-barred Brindle**	
Edington	04.06	JNd'A
Whaddon	01.09	AG
Cholderton	18.08	HE
Semiothisa notata Linn.	**Peacock Moth**	
Whaddon	01.06	AG
Semiothisa alternaria Hb.	**Sharp-angled Peacock**	
Whaddon	30.06	AG
Angerona prunaria Linn.	**Orange Moth**	
Imber	05.07	RT
Whiteparish Woods	15.07	HE
Acherontia atropos Linn.	**Death's-head Hawk-moth**	
Westwood, larvae	10.10	BWW
Hyloicus pinastri Linn.	**Pine Hawk-moth**	
Cholderton	28.07	HE
Mimas tiliae Linn.	**Lime Hawk-moth**	
Whaddon	08.06	AG
Box	20.06	SR
Cholderton	30.06	HE

Macroglossum stellatarum Linn.
Trowbridge

Odontosia carmelita Esp.
Wroughton, rare, except S. Wiltshire

Leucoma salicis Linn.
Steeple Ashton

Lymantria monacha Linn.
Whaddon

Thumatha senex Hb.
Whaddon

Eilema complana Linn.
Whaddon
Wroughton

Rhyacia simulans Hufn.
Wroughton

Noctua orbona Hufn.
Whaddon

Spaelotis ravida D. & S.
Wroughton
Cholderton

Peridroma saucia Hb.
Whaddon
Heddington
Cholderton

Diarsia dahlii Hb.
Whaddon, second record in same locality

Kestia castanea Esp.
Whaddon

Kestia agathina Dup.
Landford

Naenia typica Linn.
Whaddon

Anarta myrtilli Linn.
Imber

Polia bombycina Hufn.
Cholderton

Hadena confusa Hufn.
Imber

Orthosia opima Hb.
Wroughton
Edington

Mythimna pudorina D. & S.
Steeple Ashton

Mythimna unipuncta Haw.
Cholderton, a rare migrant

Humming-bird Hawk-moth
19.08 BWW

Scarce Prominent
16.05 DB

White Satin Moth
04.07 EGS

Black Arches
30.08 AG

Round-winged Muslin
14.07 AG

Scarce Footman
14.07 AG
11.08 DB

Dotted Rustic
15.07 DB

Lunar Yellow Underwing
06.09 AG

Stout Dart
30.08 DB
12.07 HE

Pearly Underwing
06.09 AG
14.10 JNd'A
20.10 HE

Barred Chestnut
22.08 AG

Neglected Rustic
06.09 AG

Heath Rustic
04.08 AG

The Gothic
21.07 AG

Beautiful Yellow Underwing
10.06 RT

Pale Shining Brown
17.07 HE

Marbled Coronet
14.07 EGS

Northern Drab
30.05 DB
16.05 JNd'A

Striped Wainscot
15.06 EGS

White-speck
19.10 HE

Aporophyla lutulenta D. & S.
Edington

Lithophane semibrunnea Haw.
Cholderton

Lithophane socia Hufn.
Wroughton

Lithophane ornitopus Hufn.
Whaddon
Heddington
Cholderton

Lithophane leautieri Boisd.
Whaddon
Steeple Ashton
Cholderton, 4

Moma alpium Osb.
Whiteparish Woods

Acronicta alni Linn.
Steeple Ashton

Craniophora ligustri D. & S.
Steeple Ashton
Cholderton
Whaddon

Ipimorpha subtusa D. & S.
Edington

Enargia ypsillon D. & S.
Wroughton

Cosmia affinis Linn.
Cholderton

Apamea sublustris Esp.
Whaddon
Edington
Imber

Apamea scolopacina Esp.
Longleat

Apamea ophiogramma Esp.
Edington
Whaddon, larvae

Nonagria typhae Thunb.
Whaddon
Steeple Ashton
Wroughton

Rhizedra lutosa Hb.
Heddington
Cholderton

Hoplodrina ambigua D. & S.
Whaddon

Deep brown Dart
26.09 JNd'A

Tawny Pinion
28.10 HE

Pale Pinion
11.04 DB

Grey Shoulder-knot
13.04, 21.11 AG
16.10 JNd'A
28.10 HE

Blair's Shoulder-knot
13.10 AG
21.10 EGS
10.10–28.10 HE

Scarce Merveille du Jour
15.07 HE

Alder Moth
21.06 EGS

The Coronet
16.06 EGS
18.07 HE
09.06 AG

The Olive
12.08 JNd'A

Dingy Shears
15.07 DB

Lesser-spotted Pinion
18.08 HE

Reddish Light Arches
23.07 AG
03.08 JNd'A
02.06 EGS

Slender Brindle
28.07 EGS

Double Lobed
12.08 JNd'A
21.04 AG

Bulrush Wainscot
20.09 AG
09.10 EGS
25.08 DB

Large Wainscot
14.10 JNd'A
20.10 HE

Vine's Rustic
27.06 AG

Schrankia taenialis Hb. Whiteparish Woods	**White-line Snout** 15.07	HE
Zygaena lonicerae Schev. Red Lodge Wood	**Narrow-bordered Five Spot Burnet** 08.07	DB
Grapholita caecana Schlag. Knap Hill Only recorded Pewsey Vale, Bourne Valley & E. Kent	**Kentish Piercer** 10.06	DB
Galleria mellonella L. Wroughton	**Honeycomb** 29.07	DB
Agriphila culmellus L. Eysey	**Straw-coloured Grass-veneer** 24.07	DB
Catoptria falsellus Schiff. Eysey	**Chequered Grass-veneer** 25.07	DB
Nymphula nympheata L. Red Lodge Wood	**Brown China-mark** 01.07	DB
Udea olivalis Schiff. Steeple Ashton	**Olive Brindled Pearl** 21.06	EGS
Perinephela coronata Hufn. Steeple Ashton	**Garden Elder Pearl** 21.06	EGS
Aglossa pinguinalis L. Steeple Ashton	**Large Stable Tabby** 21.06	EGS
Phycita roborella Schiff. Steeple Ashton	**Dotted Knot-horn** 04.06	EGS
Aphomia sociella L. Steeple Ashton	**Green-shaded Honey** 21.06	EGS
Cochylis flaviciliana Westw. Easton Royal	**Yellow-fringed Couch** 12.08	JNd'A
Syndemis musculana Hubn. Picket Wood	**Afternoon Twist** 09.06	EGS
Acleris variegana Schiff. Steeple Ashton	**Common Rough-winged Button** 07.05	EGS
Dichrorampha simpliciana Haw. Picket Wood	**Purple-black Drill** 09.06	EGS
Laspeyresia servillana Dup. Picket Wood	**Serville's Piercer** 09.06	EGS
Lathronympha strigana F. Picket Wood	**Yellow Striped-edge Piercer** 09.06	EGS
Eucosmomorpha albersana Hubn. Picket Wood	**Rheede's Larger Piercer** 09.06	EGS
Coleophora frischella L. Imber	**Frisch's Case** 02.07	EGS
Aucylis diminutana Haw. Picket Wood	**Festooned Roller** 09.06	EGS

Phtheochroa rugosana Hubn. Steeple Ashton	**Rough-winged Couch** 09.06	EGS
Chrysoclista bimaculella Haw. Imber	**Orange-blotched Cosmet** 15.06	EGS
Hofmannophila pseudospretella Staint. Steeple Ashton	**Large Common Tubic** 03.03	EGS
Agonopterix pallorella Zell. Steeple Ashton	**Pale Knapweed Flat-body** 13.04	EGS
Agonopterix alstroemeriana Clerck. Steeple Ashton	**Alstroemer's Flat-body** 31.03	EGS
Anthophila fabriciana L. Picket Wood	**Fabricius's Nettle-rap** 09.06	EGS
Monopis rusticella Hubn. Heywood	**Dark-brindled Clothes** 09.06	EGS
Elachista argentella Clerck Imber	**Swan-feather Dwarf** 30.06	EGS

Contributors

D. Brotheridge, Mrs M. Browne, J.N. d'Arcy, H. Edmunds, M. Fuller, A. Gange, R. Griffiths, Miss B. Gillam, Mr & Mrs R. Kersley, Major General C.G. Lipscomb, F. Mead, J. Pile, S.J. Rawlings, Salisbury & District Natural History Society, E.G. Smith, R. Turner, Miss J.M. Ward, G.L. Webber, B.W. Weddell.

Wiltshire Bird Report 1978

compiled by
E.T. Smith

Introduction

These notes summarise the report published in the 1979 edition of *Hobby*, the magazine of the Wiltshire Ornithological Society, to which readers should refer for further details.

A new species order has been adopted for the systematic list, following the example of major ornithological societies; the positions in the list of certain families have been changed and species numbers have been omitted.

Many species were recorded which do not appear in this report, either because there has been no apparent change in their status or, in some cases, because descriptive evidence was not sufficient.

Coate Water at Swindon continues to be of considerable interest. Notable species seen were the Black-throated Diver at the end of February, a Night Heron and two Spoonbills in April, a Little Gull in May, and a Scaup and a Red-necked Grebe in December.

Abbreviations

CWP, Cotswold Water Park; GP, gravel pit; KAC, Kennet & Avon Canal; SP, sand pit; SF, sewage farm; NNR, National Nature Reserve; R., River; ♂, male; ♀, female; juv., juvenile.

A Selection of Ornithological Records 1978

Black-throated Diver *Gavia arctica*. One Coate Water 01-02.02.
Red-necked Grebe *Podiceps grisegena*. One Coate Water 17-24.12.
Black-necked Grebe *P. nigricollis*. One CWP 23.04.
Fulmar *Fulmarus glacialis*. One Boscombe Down airfield 30.01; one Coate Water 28.06.
Cormorant *Phalacrocorax carbo*. 5 Britford spring; 5 singles Coate Water spring & autumn; 7 in flight Wylye 16.04; 7 singles CWP late 04; singles Wilton, Lyneham & Braydon Pond.
Bittern *Botaurus stellaris*. One S. Wraxall 12.
Night Heron *Nycticorax nycticorax*. One Coate Water 20.04.
Spoonbill *Platalea leucorodia*. 2 Coate Water 28.04; one CWP 09.07.
Bewick's Swan *Cygnus columbianus*. 15 over Charlton 28.01; one Coate Water 26.12.
Mute Swan *C. olor*. Surveyed 04-05; 130 territorial pairs noted, of which 102 were breeding; most (about one third of total) on Salisbury Avon, R. Wylye & R. Nadder.
White-fronted Goose *Anser albifrons*. Small flocks Steeple Ashton 13.01 & 31.12.
Greylag Goose *A. anser*. 21 CWP; one Wilton 09; one Chilton Foliat 10.
Shelduck *Tadorna tadorna*. Coate Water, Charlton, Calne SP & CWP.
Pintail *Anas acuta*. Pair Salisbury Avon 25.04; single Corsham Lake 12.
Garganey *A. querquedula*. One Lacock GP 12.07.
Ring-necked duck *Aythya collaris*. One Corsham Lake 11-17.01, 20-22.01 & 26.02; one CWP 16.04.
Scaup *A. marila*. 2 Coate Water 11.
Smew *Mergus albellus*. One Liden Lagoon (Swindon) 28.02-03.03.
Goosander *M. merganser*. Corsham Lake & Coate Water 01; Coate Water 12.
Ruddy Duck *Oxyura jamaicensis*. One CWP 12.03; one Coate Water 03.05; 2 Corsham Lake 01-17.06, one 18.01-02.02 & throughout 07.
Honey Buzzard *Pernis apivorus*. 3 Swindon 03.09.
Marsh Harrier *Circus aeruginosus*. One over reed bed nr. Pewsey 02.05; one nr. Boyton 21.05.

Hen Harrier *C. cyaneus*. Imber, Grovely, Rushall Down 01-04; Shrewton Folly 15.08; Westdown Ranges, Pewsey Down NNR, Haxton Down, Imber 10-12.

Merlin *Falco columbarius*. Up to 04 Imber & Westdown Rangers, Shrewton, Ford; Imber, Wylye, Purton, Seagry 10-12.

Hobby *F. subbuteo*. First Ramsbury 29.04; last Wylye 18.10; also breeding.

Peregrine *F. peregrinus*. One Larkhill Ranges 07.01; one nr. Bratton 18.11; one CWP 16.12.

Quail *Coturnix coturnix*. Many Downland 05-08.

Water Rail *Rallus aquaticus*. Many records 01-04 & 08 onwards.

Oystercatcher *Haematopus ostralegus*. One Bullen Hill (Steeple Ashton) 03.04.

Stone Curlew *Burhinus oedicnemus*. First 18.03 S. Wiltshire; at least 4 pairs bred; last 14.09.

Little Ringed Plover *Charadrius dubius*. Present at breeding site N. Wiltshire 02.04-21.05, sites flooded 21.05; Shalbourne 29.04; Calne SP 09-14.09.

Ringed Plover *C. hiaticula*. Singles Chippenham 09.04, Swindon SF 03.05, CWP 06.05, Calne SP 24.07, Imber 02-09.

Golden Plover *Pluvialis apricaria*. Many 01-03 & 10-12.

Little Stint *Calidris minuta*. 3 Swindon SF 06-07.09 & 09-10.09.

Temminck's Stint *C. temminckii*. One Calne SP 09-11.09.

Dunlin *C. alpina*. One Coate Water 11.03; 6 CWP 12.03.

Ruff *Philomachus pugnax*. 3 Steeple Ashton 23.05; one Coate Water 06.09.

Jack Snipe *Lymnocryptes minimus*. One Imber, 2 Swindon SF 01.01; one Christian Malford 05.02; 5 nr. Steeple Langford GP 11-12.02; one CWP 18.03; one Long Dean 02.04.

Black-tailed Godwit *Limosa limosa*. 2 Odstock 12.03; one Ashton Keynes 29.04; one Coate Water 19-20.08 & 31.08.

Whimbrel *Numenius phaeopus*. 7 Wilton 23.04; 12 Imber 14.05; 3 Steeple Ashton 31.07; one Shalbourne 22.07.

Curlew *N. arquata*. Breeding nr. Somerford Common; pairs Blunsdon, Patney, Lydeway, Upper Thames Valley.

Spotted Redshank *Tringa erythropus*. One Liden Lagoon 02.09, 04.09 & 10-13.09; one Swindon SF 03-07.09.

Redshank *T. totanus*. Breeding CWP, Coate Water, R. Wylye nr. Bathampton House; probably breeding Charlton, Britford, Odstock, Compton Chamberlayne, Laverstock, Patney, Littlecote.

Greenshank *T. nebularia*. Imber & Shockerwick 04; CWP 05, 08 & 09; Swindon SF & Coate Water 08; Liden Lagoon 09; Calne SP 08-09.

Green Sandpiper *T. ochropus*. Winter R. Wylye, Britford, CWP; up to 21 Swindon SF 08.

Wood Sandpiper *T. glareola*. Singles Swindon SF & CWP 13.08.

Common Sandpiper *Actitis hypoleucos*. One CWP 18.03; Liden Lagoon 17.04; Steeple Langford 19.09.

Little Gull *Larus minutus*. One Coate Water 01.05.

Sandwich Tern *Sterna sandvicensis*. 2 Liden Lagoon 05.09.

Common Tern *S. hirundo*. One Liden Lagoon 24.04; Coate Water 05, 07 & 08; CWP 03.05; Lacock GP 14.06.

Arctic Tern *S. paradisea*. 7 Coate Water 01.05, 3 06.05.

Black Tern *Chlidonias niger*. One Calne SP 31.07; 26 Coate Water 19.08; 26 CWP 20.08.

Turtle Dove *Streptopelia turtur*. First Colerne 20.04; last Chiseldon 30.09.

Cuckoo *Cuculus canorus*. First S. Wraxall 17.04; last Castle Combe 10.09.

Barn Own *Tyto alba*. 09.77-03.79 survey of winter populations showed that north of the KAC there were few birds except along the R. Kennet valley. There were few sightings west of the Bristol Avon, none from a large area around Swindon. There were several records from Salisbury Plain but the highest density in the county was along the valleys of the Salisbury Avon and its tributaries. 9 Nests were located.

Long-eared Owl *Asio otus*. One breeding record; one road casuality nr. Malmesbury 12.04.

Short-eared Owl *A. flammeus*. Imber, Yarnbury Castle 02-05; Imber, Milk Hill, Wylye, Shrewton, Fyfield Down, Larkhill, Haxton Down 10-12.

Nightjar *Caprimulgus europaeus*. Grovely Wood 30.04; Fyfield Down NNR 02.10.

Swift *Apus apus*. First Salisbury & Steeple Langford 23.04; last Highworth 11.10.

Hoopoe *Upupa epops*. Singles Imber 07.05, Wexcombe 11.05; East Grafton later; Stockton 18.05.

Wryneck *Jynx torquilla*. One in garden Turleigh 29.07.

Woodlark *Lullula arborea*. One Britford 06.05.
Sand Martin *Riparia riparia*. First Britford 12.03; last Coate Water 01.10.
Swallow *Hirundo rustica*. First Burbage & Steeple Langford 01.04; last Swindon 28.10.
House Martin *Delichon urbica*. First Coate Water & Hampton 20.04; last Wilton 30.10.
Tree Pipit *Anthus trivialis*. Widely reported Hound Wood 23.04 onwards.
Rock Pipit *A. spinoletta spinoletta*. Britford, Fovant, CWP 01-04.
Yellow Wagtail *Motacilla flava*. First Liden Lagoon 18.04; last Lyneham 17.09.
Dipper *Cinclus cinclus*. Nests found By Brooke, R. Frome & Fonthill.
Nightingale *Luscinia megarhynchos*. First Picket Wood 23.04; last 20.08. 69 singing males at 14 sites.
Black Redstart *Phoenicurus ochruros*. ♂ in full song Swindon railway works 18.07; one Ogbourne St. George 19.08; one Imber 14-15.10; one Neston 18.11.
Redstart *P. phoenicurus*. First Imber 23.04; last Imber 17.09; breeding Imber & Castle Combe.
Whinchat *Saxicola rubetra*. First Bratton 23.04; last Wylye 09.11. Breeding Imber, Westdown & Larkhill Ranges, Bulford, Rushall & nr. Aldbourne.
Stonechat *S. torquata*. Widespread. Breeding Imber, Grovely Wood, Sidbury Hill, Westdown Ranges.
Wheatear *Oenanthe oenanthe*. First Yarnbury Castle 23.03; last Wylye 30.10.
Ring Ouzel *Turdus torquatus*. Singles ♂ South Down Farm (Imber) 09.04; Winterslow 20-22.04; 3 Netheravon airfield 09.09.
Fieldfare *T. pilaris*. Last Sunnyhill Farm (Pewsey) 09.05; first a flock Marston Meysey 29.08.
Redwing *T. iliacus*. Last Old Totterdown 21.05; first Steeple Ashton 24.09.
Grasshopper Warbler *Locustella naevia*. First 21.04; last Grants Farm (Imber) 17.09.
Sedge Warbler *Acrocephalus schoenobaenus*. First Shalbourne 15.04; last Swindon SF 03.09. Numerous breeding records.
Marsh Warbler *A. palustris*. 2 singles singing 06.
Reed Warbler *A. scirpaceus*. First & last Coate Water 23.04 & 02.10. Numerous breeding records.
Lesser Whitethroat *Sylvia curruca*. First Trowbridge 24.04; last Coate Water 21.09.
Whitethroat *S. communis*. First Imber & Winterslow 23.04; last Swindon 24.09.
Garden Warbler *S. borin*. First Chippenham 22.04; last Coate Water 05.09.
Blackcap *S. atricapilla*. Quite widely recorded summer & winter.
Wood Warbler *Phylloscopus sibilatrix*. First Liden Lagoon 21.04; singing during breeding season Corsham Park, Southleigh Wood, Longleat, Langley Wood, Franchises Wood, Semley Common.
Chiffchaff *P. collybita*. Wylye 07.01; Ashton Keynes 12.02; last Swindon 22.10.
Willow Warbler *P. trochilus*. First Steeple Ashton & Westbury 02.04; last Swindon 24.09.
Firecrest *Regulus ignicapillus*. Singles Quidhampton 23.04, Imber 04.05, S. Wraxall 20.12; one found dead Wylye 21.12.
Spotted Flycatcher *Muscipapa striata*. First Ludgershall 03.05; last Queens Park (Swindon) 02.10.
Pied Flycatcher *Ficedula hypoleuca*. Singles ♀ Coulston 22-27.04, Kingston Deverill 29.04, Beacon Hill 04.05; ♂ Devizes 08.05.
Bearded Tit *Panurus biarmicus*. 2 ♂, one ♀ Corsham Lake 13-15.10.
Willow Tit *Parus montanus*. At many sites 01-08.
Red-backed Shrike *Lanius collurio*. ♂ Swindon late 05.
Great Grey Shrike *L. excubitor*. One Fyfield Down NNR 23.10.
Brambling *Fringilla montifringilla*. 200 nr. Winterslow 01-02; 20 Figsbury Ring 20.04; 2 ♂ Coate Water 21.10. Numbers low overall.
Siskin *Carduelis spinus*. Several flocks 01-03. Numbers much lower than in recent years.
Redpoll *C. flammea*. Somerford Common in breeding season. Winter records fewer than in 1977.
Crossbill *Loxia curvirostra*. 3 Longleat 07.01; small flock Roundway 09.09.
Hawfinch *Coccothraustes coccothraustes*. One Wilton 09.04; pair with juv. Marston Meysey 04.08.
Snow Bunting *Plectrophenax nivalis*. ♂ Bathampton Farm (Wylye) 27.12.
Cirl Bunting *Emberiza cirlus*. West Winterslow recorded regularly.

Acknowledgements

This Report is compiled from records which have appeared in *Hobby*, the magazine of the Wiltshire Ornithological Society. We would like to thank all contributors. *Ed.*

Mammal Report 1979

compiled by
Marion Browne

Introduction

More than 800 records of thirty different mammal species were received for the year 1979; they have been plotted on the species distribution maps of Wiltshire and data will be filed for storage in the County Biological Records Centre at Devizes Museum.

A selection of 1979 mammal records is presented in the following pages; they are chosen to illustrate mammal distribution in the county, to chart mammal activity during the year, to indicate the variety of field signs which provide acceptable evidence of mammal presence, and to document some of the interesting mammal behaviour which has been observed.

The number of records received for each species is noted. Annually, many more records are received for some species than for others; often, particularly in the case of small or elusive animals, there is genuine difficulty in observing them; equally often, obvious signs of their presence can be overlooked. By far the greatest number of records received each year are of the hedgehog (*Erinaceus europaeus*) whose presence is easy to observe because it is so often killed on roads, yet the mole (*Talpa europaea*), which is equally common and equally easy to record from the unmistakable spoil heaps which it leaves, is often ignored; as a result, the activity and distribution of the mole in Wiltshire is not as well documented as it might be.

Mammals and the Law

The Council of Europe Convention of European Wildlife and Natural Habitats was signed in September 1979 and awaits ratification. It is intended to conserve the native flora and fauna and their natural habitats. It is expected to provide close seasons and other protective measures for certain mammals, to control methods of catching and killing mammals, and to give strict protection to all or most British bat species.

Little is known about the distribution of bats in Wiltshire. Twelve species of bats have been recorded in the county but only two, the common long-eared bat (*Plecotus auritus*) and the pipistrelle (*Pipistrellus pipistrellus*) are known to be widely distributed and only one, the greater horseshoe bat (*Rhinolophus ferrumequinum*), is already protected by law.

If anyone knows the location of a bat roost, please will they try to make a rough estimate of numbers in the colony; if the roost is inaccessible, the best time to make a count is when the bats emerge for the evening flight. Ideally an annual count should be made in order to establish whether the colony is thriving or declining. If there is any difficulty in identifying the bats, please contact the recorder for mammals Mrs Marion Browne, tel: Castle Combe 782 222. Any bats found dead should be sent to her at Latimer Lodge, West Kington, Chippenham SN14 7JJ, in a small tin please, not in a plastic bag.

Mammals and the Weather

The year 1979 started very cold with much snow during the first three months; this was followed by a long cold spring. July was the warmest driest month in a summer that was generally unsettled.

September was fine and a mild autumn gave way to rainfall in December that was above average for the month. These trends are reflected in the hedgehog road casualty figures in Table I which shows, in particular, peak activity in the two fine months July and September.

Hedgehogs accumulate subcutaneous and other fat which allows them to survive hibernation through most of the winter months, though some animals rouse in mild spells and emerge temporarily from hibernation to feed. Road casualty figures are therefore low throughout the winter and continue low if there is a late cold spring as in 1979.

Most litters are born in late spring or late summer and the young hedgehogs start to leave the nest during their fourth week of life, perhaps waiting for a spell of warm weather. Further, temperature is one of the factors which govern the onset of hibernation and may also affect other aspects of hedgehog biology such as breeding, with consequent variation from year to year in the times of appearance of young hedgehogs. Juveniles would be inexperienced and particularly vulnerable when they first become independent and it seems likely that peak road casualties are mainly juvenile animals. Not all contributors mention whether road casualties are adult or juvenile but my own observations in the vicinity of West Kington show that in 1979 eight of the ten road casualties noted in July and September were juveniles and that, taking into account all the 1979 road casualties in the West Kington area, the ratio of juveniles to adults killed was 2:1.

Special Survey

The Distribution and Abundance of the Water Vole (*Arvicola terrestris*)

Recent reports, in Wiltshire and nationally, indicate that there has been a decline in numbers of the Water vole (*Arvicola terrestris*). Various factors have been suggested which might contribute to such a decline; these include the clearance of bank vegetation, increased rate of water flow due to drainage operations, pollution, the drying out of some waterways during the drought years 1975/76 and increasing predation by the American mink (*Mustela vison*).

Before it can be decided whether there has in fact been a decline, or whether there is an apparent decline due to a shortage of records, a comprehensive survey must be made. Members can make a valuable contribution by looking for Water voles and sending as many records as possible to the Recorder for Mammals: Mrs M. Browne, Latimer Lodge, West Kington, Chippenham, Wiltshire SN14 7JJ.

Acceptable evidence, in addition to live sightings and voles found dead, includes small piles of chopped grasses and other discarded food material on the bank, middens and skulls from owl castings. Field signs such as footprints and burrows require additional supportive evidence as they may be confused with those of the Brown rat (*Rattus norvegicus*).

A Water Vole Survey recording sheet is enclosed with this magazine and it will be very helpful if members will give as much information as possible concerning the waterway, the banks, the vegetation, the behaviour of Water voles and the presence of other animals, birds and fishes.

Abbreviations

BO, barn owl; juv., juvenile; KAC, Kennet & Avon Canal; km., kilometre; nr., near; R., River; ♂, male; ♀, female.

A Selection of Mammal Records 1979

Order Insectivora – insectivores
Family Erinacidae

Erinaceus europaeus **Hedgehog**
142 records from 21 10 km. squares

Live: on road Shoe 02 CSH; treated for sheep tick infestation W. Kington 03 MB; on road Devizes

& Winterbourne Bassett 05 RFF, Pewsey Wharf 05 KN; on drive Aldbourne 06 PNN; drinking at bird bath Bradford-on-Avon 07 ES; Froxfield 07 JJ; ♀ + juvs. in garden Nettleton 07 PT; rescued from cattle grid Corsham 08 JCR; on road Downton 08 KGF; in garden Chippenham 08-09 ARB; in garden Clench PAW; taking milk from saucer Marlborough autumn JBM; Bratton on & off throughout year JNd'A; running along beech hedge Bowerhill Lodge Farm 11 ES.

TABLE I. ROAD CASUALTIES

February	March	April	May	June	July	August	September	October	November	December
1	2	3	12	14	33	13	35	4	6	4

MB, BG, EH, KN, PNN, ES, RT, JMW, LDW

Family Talpidae

Talpa europaea **Mole**

45 records from 14 10 km. squares

Live: emerging from hole Yielding Copse 11.05 PNN.
Dead: in garden Southcott 14.05 KN, Avebury Trusloe EH; on road Erlestoke 02.07 RT; killed by dog Aldbourne 19.07 PNN.
Signs: spoil recorded in 13 10 km. squares by ECA, MB, KN, JAS, LDW, PAW.

Family Soricidae

Sorex araneus **Common shrew**

18 records from 12 10 km. squares

Live: Bristow Bridge 08 PNN; Littleworth PAW.
Dead: 9 in milk bottles Wormwood Farm 02 MB; in Longworth trap Fyfield 03 MB; 5 in mouse trap Neston JCR; 9 in BO pellets Tottenham 04 CW; killed by cat Calne 05 ECD, Avebury Trusloe 06 EH; killed by fox W. Kington 07 MB; Avoncliff 07, Melksham 09 ES; Southcott 08 KN.

Sorex minutus **Pygmy shrew**

5 records from 4 10 km. squares

Dead: in Longworth trap W. Overton 02 DP; in BO pellet Tottenham 03 CW; killed by cat S. Wraxall 05 JMW, Avebury Trusloe 09 EH, Littleworth PAW.

Order Chiroptera – bats
Family Rhinolophidae

Rhinolophus ferrumequinum **Greater horseshoe bat**

Live: 51 in 3 winter roosts W. Wiltshire 01 MB, RDR.

Rhinolophus hipposideros **Lesser horseshoe bat**

Live: 2 in winter roost W. Wiltshire 01 MB, RDR; 2 nr. Chippenham 03 PAS.

Family Vespertilionidae

Myotis daubentoni **Water bat**

Live: Bradford-on-Avon SY.

Pipistrellus pipistrellus **Pipistrelle**

12 records from 9 10 km. squares

Live: Ludgershall 02 JAS; under pew Oare church 05 SG; behind notice board on flint wall Froxfield 06 JJ; Nettleton Green 06, W. Kington 07 MB; Gospel Oak 09 KW; Bradford-on-Avon SY.
Dead: caught by cat Avebury Trusloe 06 EH; ♂ Aldbourne 08 PNN; Trowbridge 08 RGCG.

Plecotus auritus **Long-eared bat**

Live: roost in attic Devizes 09 PJB.
Dead: caught by cat S. Wraxall 05 JMW, Melksham 06 ES.

Order Lagomorpha - lagomorphs
Family Leporidae

Lepus capensis **Brown hare**

94 records from 17 10 km. squares

Live: 16 in snow Southcott 01 KN; E. Tytherton 02 MB; 4 Popplechurch 03 RN; nr. Bradford-on-Avon 01-05 ES; in middle of wood West Woods 05 PNN; juv. Maddington Down 06 KGF; 18 nr. Kingston Deverill 04-07, 5 Imber Ranges 05-08 RT; 9 Calne 04-09 ARB; 17 nr. Avebury 04-10, 7 nr. Knoll Down 04-12 EH; Clench Common PAW; Froxfield JJ; Mildenhall JBM.
Dead: 2 very emaciated on consecutive days W. Kington 06 MB; on road Frying Pan Farm 11 ES.
Signs: tracks in snow S. Wraxall 01 JMW, Southcott 01 KN, Codford 02 KGF; form & droppings Fyfield Down 03 MB; hind foot Sugar Hill 08, skeleton Burderop Down 10 PNN.

Oryctolagus cuniculus **Rabbit**

92 records from 22 10 km. squares

Live: eating leeks Southcott 02 KN; nr. badger sett W. Kington 03, one black Kington Wick 03 MB; nr. Gopher Wood 04 EH; adults + juvs. Devizes 05 RFF; 20 nr. Kingston Deverill 04-07 ES; "charmed" by weasel Wishford 09 GAH; nr. Heddington 03-10, nr. Melksham 04-11, Coulston Hill 10 ES; nr. Aldbourne 04-10 PNN; Chippenham ARB; Eastridge 12 LDW; juvs. all months Codford KGF.
Dead: killed by cat Avebury Trusloe 04 EH; Conock 04, Sherston 06, Buryhill 06 MB; killed by fox Imber 06 RT; 2 Barford St. Martin 07 KGF; killed by stoat Imber 12 RT.
Signs: tracks in snow S. Wraxall 01 JMW, Southcott 01 KN; droppings Fyfield Down 03 MB.

Order Rodentia – rodents
Family Sciuridae

Sciurus carolinensis **Grey squirrel**

61 records from 19 10 km. squares

Live: 2 Lockeridge Dene 01 EH; Collingbourne Woods 01 JAS; 3 Devizes 06 RFF; chased up telegraph pole by cat Salisbury summer JBM; Burderop Down PNN, Savernake area 09 PNN, RN; 2 Shirehill, 2 Staples Hill 09 ES; Pinkney 10 MB; 21 nr. Bradford-on-Avon 01-12 ES; Ramsbury 12 LDW; Codford St. Mary 12 KGF; Clench PAW.
Dead: 30 on gibbet Whiteshard Bottom 04 PNN; on road: 2 Pewsey Hill 03-06 KN, 2 Gatcombe Hill 06-07 MB, 1 Cheverell, 1 Erlestoke 09 RT.
Signs: opened nuts Wroughton 03, drey Tockenham Wick autumn MB.

Family Cricetidae

Clethrionomys glareolus **Bank vole**

8 records from 6 10 km. squares

Live: crossing path Calne 04 ARB; 14 trapped Red Lodge 06 MB, MEC; crossing road Lan Hill 07 MB.
Dead: killed by cat W. Kington 03 MB; one in BO pellet Tottenham 04 CW; Lower Herdswick 06, killed by mower Dean Bottom 08 PNN.
Signs: opened nuts Slittems Wood 01 EJL.

Microtus agrestis **Field vole**
13 records from 7 10 km. squares

Live: 6 juv. in nest Burderop Down 07 PNN.
Dead: in milk bottle Wormwood Farm 02 MB; 7 in mouse trap Neston 01-03, 4 11-12 JCR; 2 killed by cat Calne 03 ECD; 14 in BO pellets Tottenham 03-04 CW; killed by dog Southcott 07 KN; one Rockley 08 PNN; 3 Avebury Trusloe 07-10 EH; one Codford KGF.

Arvicola terrestris **Water vole**
7 records from 5 10 km. squares

Live: 3 Hurley 04 KN; one + 2 juv. Southcott 06 KN; numerous KAC Bristow Bridge 08 PNN; 2 feeding nr. Horton Bridge 09 BG; swimming KAC New Mill PAW; Rood Ashton 12 ES.
Dead: killed by stoat Eysey 03 PA.

Family Muridae

Apodemus sylvaticus **Wood mouse**
15 records from 10 10 km. squares

Live: 7 in traps Fyfield 03 MB, DP, 4 Red Lodge 06 MB, BJWH, Boreham Wood 09 BJWH, 4 Melksham 04-11 ES; escaped from cat S. Wraxall 04 JMW; in garden frame Southcott 09 KN; in wren's nest in nest box Roundway 10 BG; Lodge Lower Barn 12 RN.
Dead: 11 in BO pellets Tottenham 03-04 CW; 3 Codford 03-04 KGF; 7 in mouse trap Neston 01-12 JCR.
Signs: opened nuts Fyfield Down 03 MB.

Apodemus flavicollis **Yellow-necked mouse**

Live: ♂ in trap Red Lodge 06 MB, RH.

Micromys minutus **Harvest mouse**

Nests: 4 (one green, 3 old) in Agropyron repens Roundway 10 BG.

Mus musculus **House mouse**
3 records from 3 10 km. squares

Live: in house porch Ludgershall 02 JAS; in house Marlborough autumn JBM.
Dead: trapped in house Littleworth PAW.

Rattus norvegicus **Common rat (Brown rat)**
30 records from 14 10 km. squares

Live: in stream Rood Ashton 04, in KAC feeder streams Sells Green 04, swimming in R. Avon nr. Whaddon 06 ES; in rubbish tip New Totterdown 08 PNN; Devizes 09 PJB; Burderop Down 10 PNN.
Dead: on road Hartham Park 03, Corston 06, nr. Burderop Wood 06, Farleaze Farm 08 MB; Edington 09 ES; 3 nr. Aldbourne 09-10 PNN; juvs. in attic Marlborough 12 JBM.
Signs: tracks in snow Southcott 01 KN.

Family Gliridae

Muscardinus avellanarius **Dormouse**

Live: in grass nest at base of tree High Wood 05 SL.

Order Carnivora – carnivores
Family Canidae

Vulpes vulpes **Fox**
71 records from 23 10 km. squares

Live: on frozen KAC nr. Ladydown Farm 01 ES; mating Poulshot 02 NH; cubs Norton 02 JB; with prey Box 02 ES; 2 with prey Gastard 02 CSH; Littlecott 04 ECD; with prey Lambert's Marsh 05 SY; Edington 05 JNd'A; Swindon 06 RN; taking pheasant to cubs Kingston Deverill 07 ES; Burderop Down 09 PNN; chased by lurcher W. Kington 09 SHBB; Great Ridge 11 JBM; Neston 11 JCR; Calne 12 ARB; 9 (one with rabbit) Imber 04–12 RT; Savernake CS.
Dead: on road Morgans Hill 01 ARB, Tisbury 07 KGF, Springhill 09 JJ; ♀ Burderop Down 06 PNN.
Signs: tracks in snow Murhill 01 MB; scats Hens Wood 04 PNN; scent White Lodge 06 MB.

Family Mustelidae

Mustela erminea **Stoat**
16 records from 10 10 km. squares

Live: found by dog under metal sheet Southcott 01 KN; killing water vole Eysey 03 PA; Monkton House 03, Edington 06 ES; dragging dead rabbit Aldbourne 07 PNN; 2 on road Oare 07 KN; Froxfield JJ; 2 Picket Wood 08 RT; hunting Stockton Down 11 BG; killing rabbit Imber 12 RT.
Dead: ♀ Round Hill 07 PNN; 2 on road Pewsey Hill 07 KN.

Mustela nivalis **Weasel**
28 records from 15 10 km. squares

Live: Westbury Ponds 02, Woolley Green 03 ES; chased by crow Lanhill Farm 06 JS; with prey Aldbourne 06 PNN; juv. ♂ Stanton 07 CG; 4 juv. crossing road Luckington 08 MB; 3 crossing road Beckhampton 08 KGF; "charming" rabbit Wishford 09 GAH; Windmill Hill 10 EH; crossing road Calne 11 ARB; Clench PAW; Froxfield JJ.
Dead: killed by cat W. Kington 08 ZC, Calne 10 ARB; 2 on gibbet Aldbourne 09 PNN; on gibbet Laggus Farm 11 ARB; skull in rabbit run Burderop Down 09 PNN.

Mustela vison **Mink**
3 records from 3 10 km. squares

Live: at roadside Figheldean 04 BDC; on river bank Rey Mill 05 ES; Monkton House 07 ES.

Meles meles **Badger**
51 records from 17 10 km. squares

Live: foraging Edington 02 RT; on road W. Kington 03 MB; 3 Goatacre 04–05 ECD; on road Brimslade 07 PAW; 6 Imber Ranges 06–08 RT; 2 Wick Down 09 PNN; 4 Sugar Hill 09 RN.
Dead: on road Edington 03 JNd'A, Sherston 06 MB, Farleigh Wick 08 JMW, 2 St. Joan a Gore 07 RFF.
Signs: tracks in snow Collingbourne Forest 01 JAS; dung pits Fyfield Down 03 MB; skull nr. sett West Woods 05 PNN; bedding outside sett South Down 12 KGF.
Setts: Tockenham ECA; E. Kennett PNN; Conkwell EJL; Upton Scudamore & Imber Ranges BG.

Order Artiodactyla – even-toed ungulates
Family Cervidae

Cervus elaphus **Red deer**

Live: Brimslade PAW.

Dama dama **Fallow deer**
8 records from 3 10 km. squares

Live: 4 West Woods 04 EH; 8 Hens Wood 04–06 PNN; Savernake 07 BG; 2 Bowood 10–11 ARB.

Capreolus capreolus **Roe deer**
69 records from 15 10 km. squares

Live: 2 West Woods 01 EH; 2 ♀ Hill Bottom 01 TDH; Naish Hill 03 ES; 24 ♂ 32 ♀ Imber Ranges SPTARDC; 5 nr. Aldbourne 04–05 PNN; 2 Vaggs Hill 06 ES; mating Court Hill 08 BG; Tockenham 10, Codford 11, 2 Penstones Wood 11 BG; 9 nr. Kingston Deverill 04–12 KGF, ES; crossing road Tilshead Down 11 KGF; Brimslade PAW; resident in woods Roundway BG; 3 High Clear 12 RN.
Signs: slots Fyfield 02 MB, N. Wraxall 04 GH, Picket Wood 08 RT; cast antlers West Woods PNN.

Muntiacus reevesi **Chinese muntjac**
5 records from 3 10 km. squares

Live: Pigsty Copse 06 JCR; 2 Spye 10, 2 Bowood 10 ARB; Clench Common PAW.

Contributors

Mr & Mrs P. Adams, J.N. d'Arcy, Major E.C. Ashton, Countess June Badeni, A.R. Baker, A.R. Beazer, Mr & Mrs P.J. Beazer, Mrs M. Browne, S.H.B. Browne, Mrs Z. Chivers, Miss M.E. Compton, E.C. Deadman, R.F. File, Miss K.G. Forbes, Mrs S. Gibbon, Miss B. Gillam, Mrs C. Goodfellow, R.G.C. Green, T.D. Harrison, B.J.W. Heath, Mrs C. Seccombe Hett, Mrs N. Hooke, G.A. Howe, Miss G. Huggins, R. Hunt, Mrs E. Hunter, Mrs J. Jordan, S. Lane, Miss E.J. Lenton, Mr & Mrs J.B. Muns, P.N. Newton, R. Newton, Mrs K. Nicol, D. Painter, R.D. Ransome, J.C. Rolls, Salisbury Plain Training Area Roe Deer Census, John Sellar, P.A. Smith, C. Spray, E. Stephens, J.A. Stevenson, Mrs P. Turnbull, R. Turner, L.D. Walker, C. Ward, Miss J.M. Ward, Mrs P.A. Ward, K. Wills, Miss S. Yerrington.

Editorial note: the Report on Reptiles and Amphibians has been held over. A set of *Provisional Distribution Maps* was published and circulated in 1980 and the publication on *The Reptiles and Amphibians of Wiltshire* is now in the final stages of production. Records can still be added to the *Distribution Maps*; please continue to send as many records as possible to the Recorder, Mrs M. Browne.

Chairman's Report

by
Patrick J. Dillon

A varied programme of events took place during the year. The ten field meetings, catering for a wide variety of interests and situated in all regions of the county, were generally well attended; the coach trips to Chew Lake and Slimbridge were particularly successful. The three indoor meetings at the Museum were, however, poorly attended and it seems necessary to review the provision of winter lectures in view of the high cost of travelling and members' reluctance to venture out in bad weather.

The publication of definitive works on the natural history of the county has always been an important function of the Section and I am pleased to report that the reprint of Grose's *Flora* is now available; hopefully this will result in renewed interest in the *Supplement to the Flora* since we still have over 600 copies to sell (it remains very good value at £4 per copy). It is pleasing to note that we have paid off almost all the loans outstanding against publication costs of the *Supplement* with the exception of that owing to the estate of the late R.E. Sandell. The entire edition of *The Macro-lepidoptera of Wiltshire* has now been sold, the last copies going a few months after the death of the author, Baron de Worms. The manuscript of the *Reptiles and Amphibians of Wiltshire* is in the advanced stages of preparation.

Once again we have produced our *Magazine* which now has a national reputation as a scientific production of high quality, reflected by the list of distinguished contributors in recent years. Two *Bulletins*, carrying articles of popular interest, have been produced.

Much natural history interest has centred on the office and library (known as Upper Library 2) at Devizes Museum. The Library itself has grown, there have been several new accessions and runs of journals and periodicals have been added. The office houses the County Biological Records Centre (Species Index). This is now run by volunteers but much of the original cataloguing was carried out by Chris Bindon and Jeanne Rayment who were both employed full time on one-year Job Creation Scheme projects. We now have Philippa Noad working under the Youth Opportunities Programme; she will be with us until she goes to University in September and her brief is to produce a comprehensive natural history catalogue for the Museum.

The President has put before the Society plans for building extensions which will include greater provision for natural history. We will thus be able to make better use of our collections and documentary material and the Museum could become the most important natural history resource centre in the county. The Natural History Section clearly has a role to play and this seems to be a fitting time to examine the position of the Section in relation to the Society with a view to centralising administration in the Museum. Clearly there are constitutional issues involved but it is expected that some positive proposals will be put to Council in the near future.

There have been several changes on the Section Committee. Resignations have been received from Mr C.E. Jennings, Mr E. Smith and Mrs J. Rayment and we have had the sad news of the death of Mr R.S. Barron. Mr Smith was involved in preparations for the reprint of the *Flora* and Mrs Rayment worked as Records Assistant at the Biological Records Centre for one year and drew up the last programme of meetings for the Section. I would like to thank them both for their efforts. I would also like to record our gratitude to Mr Jennings, the retiring Chairman, who steered the Section through a difficult period five years ago and did much towards production of the *Flora* reprint. Finally, I would like to welcome our new officers and committee members; Miss Yvette Greasley as Bulletin Editor and Mrs Denise Herrod Taylor as Programme Secretary. We now have three vacancies on the Committee.

Appreciations

Baron Charles G.M. de Worms

Baron Charles de Worms, author of *The Macrolepidoptera of Wiltshire*, died on 10 October 1979, aged 76.

Professionally an agricultural chemist, he won the Drewitt Prize for Agricultural Chemistry and in 1934 took a Ph.D. from London University. He worked as a research chemist in the Institute of the Royal Cancer Hospital and from 1940 to 1944 he worked at the Porton Experimental Station until illness led to retirement honoured with a Fellowship of the Royal Institute of Chemistry.

His entomological interests were preceded by an interest in ornithology; he took part in three Pan-African Congresses and, at his death, he was the senior member of the British Ornithologists Union.

His literary output on entomological subjects was very large but, with the exception of *The Butterflies and Moths of London and its Surroundings*, *The Macrolepidoptera of Wiltshire* and a chapter in volume 9 of *The Moths and Butterflies of Great Britain and Ireland*, it consisted of articles and short notes.

His flair for writing up his frequent collecting trips all over the world, interspersed with comments on the countryside he traversed and with graceful tributes to his hosts and their families, made fascinating reading in the entomological magazines to which he contributed regularly. His worldwide circle of friends will regret the passing of a remarkable character whose indefatigable activity and acute observation brought him an encyclopaedic knowledge of the lepidoptera.

His work on the butterflies and larger moths of Wiltshire, published by the Wiltshire Archaeological and Natural History Society in 1962, will remain essential to entomologists for many years. It is remarkably comprehensive for someone who gathered his information from rather limited sources and who, while not living in the county, managed with the help of observers to cover such a large area of Wiltshire.

His collection of moths was bequeathed to the Royal Scottish Museum, Edinburgh and his fine natural history library to the British Entomological and Natural History Society.

J.N.d'A.

Ronald S. Barron

Ronald Barron, author of *The Geology of Wiltshire*, died on 14 May 1980, aged 80.

Ronald was a claiming member of the Natural History Section for some thirty six years and for fifteen successive years he arranged and led a series of outdoor meetings designed to show how Wiltshire's countryside, its flora and fauna, its villages and their historical growth and buildings, are all ultimately related to the sequence of rocks over which they have grown. In 1976 he published his fascinating book *The Geology of Wiltshire*, a work stimulated by the late Charles Floyd to whom it is dedicated.

Ron Barron was a benign chairman, a gentle spirit with a subtle sense of humour and an unexpected turn for verse. To accompany him on his annual field meetings, studying features of Wiltshire such as the courses of the Bristol Avon and the Kennet and Avon Canal, the vales of Pewsey and

Wardour, the chalk downs, the chalk streams and their related industries, rock outcrops, quarries and mines, and landscape features from vantage points, was as spellbinding a trail to follow as that of the Pied Piper.

His careful preparation of visual aids to demonstrate rock formation or types of houses, and the choice of routes to illustrate these features, frequently gave rise to exciting treasure hunts in his wake and to trails which led over many miles of road and lane, drove road and ancient track, and lasted well into the summer dusk.

His rock hunting and fossil finding was not confined to Great Britain. Summer holidays always took him and his wife Meg to Switzerland to see her relatives and homeland. She often said that their Volkswagen rumbled and clattered with his souvenir specimen collection.

Ronald was invited to join the committee of the Natural History Section in 1957 and was its chairman from 1966 to 1973. He edited the *Natural History Magazine* from 1975 to 1980, the year of his death. He will be sadly missed.

C.S.H.

Dr Eric A.R. Ennion

Dr Eric Ennion, naturalist, painter and author, died on 28 February 1981, aged 80.

From childhood he was fascinated by birds and taught himself to draw and paint them, later becoming an outstanding wildlife artist; his keen observation and knack of catching the essential quality of a bird are unequalled, his birds are alive and alert and ready to fly off the paper.

After training at St. Mary's Hospital he practised in Cambridgeshire, but left his medical practise in 1945 to take the wardenship of the first Field Study Centre at Flatford Mill in Suffolk, where he ran courses in a wide variety of biology subjects as well as birds and painting. In 1950, wishing to concentrate more on birds, he started his own bird observatory and Field Research Station on the Northumberland coast where he remained for ten years, happily painting, ringing birds and running a wide range of courses.

His association with Wiltshire started in 1961, when he moved to the Mill House at Shalbourne. Here he painted prolifically and exhibited at galleries all over the country. He started the Society of Wildlife Artists with Robert Gillmor and wrote and illustrated many books. In 1964 he was invited to attend a committee meeting of the Natural History Section of the Wiltshire Archaeological and Natural History Society and to stand for election to the Chair; he was obliged to resign from the Chair in 1966 because of ill health, but he continued to serve on the Bird Records Committee until November 1973. He continued to paint until the end of his life and was sketching in Savernake Forest four days before he died.

Few of us who are now members of the Natural History Section were lucky enough to have met him, but he will be remembered through his paintings, which we know and love.

M.B.

Ruth G. Barnes

Ruth Barnes died on 13 March 1981, aged 80.

Always a devoted supporter of natural history interests in the county, in 1946 she formed a committee to draw up proposals for the formation of a separate Natural History Section of the Wiltshire Archaeological and Natural History Society with its own constitution and programme of events and an independent committee. The annual subscription of the new Section was fixed at seven shillings and sixpence, and remained so for many years.

In those days the subject of natural history in all its aspects was regarded as a lunatic fringe pursuit concerned with collecting eggs and butterflies and looking for buttercups and daisies. Nevertheless, the Natural History Section was a success and the following thirty five years were extremely active; the Section ran a full and varied programme of indoor and outdoor meetings and published not only magazines and bulletins but also five books on the natural history of Wiltshire, two on plants and one each on birds, butterflies and geology.

Ruth Barnes was Hon. Secretary of the Section from 1946 until 1952. She was also the Recorder for Birds until 1967 and continued after that to act as a consultant. In 1968 she was appointed Hon. Editor of the *Report of the Section* and from 1973 to 1974 she was Hon. Editor of *The Wiltshire Archaeological and Natural History Magazine, Part A: Natural History*.

It is entirely due to Ruth Barnes' persistent and courageous efforts thirty six years ago, and to a committee convened and inspired by her and actively supported by her for the rest of her long life, that we have a thriving Section today; without her inspiration such a privilege would not exist.

C.S.H.

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