A PROVISIONAL BIBLIOGRAPHY OF THE NATURALISTS AND NATURAL HISTORY OF CUMBRIA.

COMPILED BY ALLEN F. ARMSBY.

INTRODUCTION

I am undertaking this bibliography on a voluntary basis as a member of the Carlisle Natural History Society and a retired librarian. The Project is intended as a tribute to the many scientists, researchers and naturalists who, through their writings, have contributed to the appreciation and record of Cumbria's outstanding variety of wildlife, natural history, ecology and its underpinning scientific research. In acknowledgement of the Museum and the Societies interests in biological recording many of the entries contain species lists for additional information. I hope it will prove to be a useful reference source for the members of the Society and for the staff of the museum and researchers. I can be contacted either through the Department of Natural Sciences, Tullie House, Carlisle or by e-mail at mail@armsby90.freeserve.co.uk and would appreciate receiving new additions submitted by authors and researchers.

Some useful bibliographies are listed in the text under the entry-**Bibliographies**. Whilst Cumbria is the main focus, this bibliography features many nationally recognised authors and some **non Cumbrian references** have been included to reflect the breadth of those authors interests. Entries have been made for each individual featured in joint author entries which does result in some duplication but should help researchers to print out full entries for each author without having to search the whole bibliography. I do not claim to have created definitive bibliographies for every individual whose works are recorded, neither have I recorded every publication of the FBA which has its own excellent web-site.

The next edition of this bibliography is scheduled for January 2016. This is a work in progress, there are bound to be errors for which I offer my sincere apologies, if you find them please let me know. All mistakes are mine and are not irreversible.

Searches should be used to find individual species, locations etc. Most entries have been allocated one or more broad subject headings allowing searches to be undertaken with greater speed. The subject headings are as follows : **Amphibians**. **Bibliographies**. **Biography**. **Birds**. **Climate**. **Coast & Estuaries**. **Conifers**. **Crustacean**. **Ecology**. **Ferns**. **Fish**. **Flora**. **Forests**. **Fossils**. **Fungi**. **Geology**. **Insects**. **Lakes & Tarns**. **Lichens**. **Mammals**. **Marine**. **Marine Mammals**. **Marsh & Mires**. **Molluscs**. **Moorland & Upland**. **Moss**. **Mountains**. **Nature Reserves**. **Obituary**. **Pollution**. **Ponds**. **Raptors. Reptiles**. **Rivers and Streams**. **Spiders**. **Trees**. **Woodland**.

I should like to acknowledge the patience and constant support of Stephen Hewitt, Keeper of the Department of Natural Sciences at Tullie House. My thanks must also go to members of the Society, Jeremy Roberts, Geoff Naylor, John R.W.Read, Geoff Horne, Steve Doyle, and Frank Mawby. I am grateful to Dr Francis Celoria for allowing me to draw extensively from his unpublished bibliography of the Rev.H.A.MacPherson. Thanks also to both Dave Shackleton and Robin Sellers for generously allowing me unrestricted access to their bibliographies of Cumbrian Birds. I am grateful to Ian Winfield for his practical assistance and to Stephen White and his staff in the reference section of Carlisle Central Library. Also the library staff at Newton Rigg Campus Library and Hardy Schwemm, Librarian of Freshwater Biological Association. Finally thanks to Peter Bullard for allowing me to explore the archives of the Cumbria Wildlife Trust.

Finally, I wish to record my sincere thanks for her encouragement, patience and vital technical support of my wife, Jill.

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are indicated by *.

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(Patterdale). Grubbins Wood, (Arnside). Hale Moss and Wood, (Beetham). Hervey Reserve, (Whitbarrow), Ivy Crag Wood, (Keswick). Lancelot Clark Storth, (Burton). Latterbarrow. Meathop Moss, (Witherslack). Newton Reigny Moss, (Penrith). North Walney. Rockcliffe Marsh, (Solway). Smardale, (Kirkby Stephen). Tarn Sike, (Sunbiggin Tarn). Waitby Greenriggs, (Kirkby Stephen). Willow Pond, (Outgate). [Nature Reserves].

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1978 Joint Authors : Davies, M and Prater, A.J. The winter distribution of Purple Sandpipers in Britain. Bird Study. **25**, (4), December, 223-228. [Chart showing county winter maxima of Purple Sandpiper in Britain and appendix showing average county winter maxima of Purple Sandpiper in Britain, 1968-1974 - includes Cumbria]. [Birds].

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1952 Author : Rowling, M. Robert Atkinson - a tribute. Penrith and Kendal Nat. Hist. Soc. and Eden Field Club. Monthly Bulletin. December. 1. [Biography].

ATKINSON, W.

Editor of Penrith and District Natural History Society Newsletter (Later Monthly Bulletin) from 1948-1951? It is not clear when the editorship passed to Canon G.A.K.Hervey. I have made the decision to nominate September 1951 as the changeover date which coincides with a small change in format. Many of the items in the Newsletter, especially the reports are very brief. Some issues remain to be recorded.

1948 Editor : A hard winter. P.D.N.H.S. Newsletter. **2**, November,1.

1948 Editor : Bird larders. P.D.N.H.S. Newsletter. **2**, November, 1 [Birds].

1948 Editor : Elephant Hawk-Moth. P.D.N.H.S. Newsletter. **1**, October 2. [Lepidoptera]. [Insects].

1948 Editor : Getting the best out of your binoculars. P.D.N.H.S. Newsletter. **2**. November, 1.

1948 Editor : Getting the best out of your binoculars. P.D.N.H.S. Newsletter, **3**, December,2.

1948 Editor : Records and recording : a Guide. P.D.N.H.S. Newsletter. 3, December, 1.

1948 Editor : Records received. [Birds]. [Grey Lag geese. Goosander. Pink-footed Geese. Little Gull. Arctic Tern. Buzzard. Hooded Crows]. P.D.N.H.S. Newsletter. **2**, November, 2.

1948 Editor : Salmon. P.D.N.H.S. Newsletter. 3, December, 2. [Fish].

1948 Editor : The Corncrake : a request for records. P.D.N.H.S. Newsletter. **1**, October, 2. [Birds].

1948 Editor : Winter visitors. [Birds]. P.D.N.H.S. Newsletter. **1**, October, 2.

1949 Editor : Autumn Flora, 1949. P.D.N.H.S. Newsletter. **6**, November, 2-3.

1949 Editor : Field work on Lakeland flora. P.D.N.H.S. Newsletter. **4**, January, 1.

1949 Editor : From waste heap to Atomic Bomb - Fluor-spar. P.D.N.H.S. Newsletter. **6**, November, 2. [Geology].

1949 Editor : Getting the best out of your binoculars. P.D.N.H.S. Newsletter. **4**. January, 1.

1949 Editor : Mountain Beetles, *Notiophilus squaticus*, (Black Specimen). P.D.N.H.S. Newsletter. **7**, December, 1. [Coleoptera]. [Insects].

1949 Editor : Records for December, 1948. [Waxwings. Redpolls. Whooper Swans. Blackcock. Green Woodpecker. Bewick Swans. Grey Shrike. Fieldfare. Brambling. Golden Plover. Treecreeper. 'Striped' Hedgehog]. P.D.N.H.S. Newsletter. **4**, January, 2. [Birds]. [Mammals].

1949 Editor : Records of Interest. [Bullfinch. Whooper Swans. Buzzard. Sparrowhawk. Stock Doves. Short-eared Owl. Red-throated Diver. Barn Owl. Peregrines. Ringed Plover. Lapwings. Magpie enquiry. Arrival of Summer visitors. Oystercatcher distribution]. P.D.N.H.S. Newsletter. **5**, February, 1-2. [Birds]. [Raptors].

1949 Editor : Records of interest : Flowers. [Includes : New Zealand Willow Herb. Sea Kale. Moss Campion. Lesser Bladderwort. English Sundew. Alpine Campion. Obtuse pondweed. Awlwort]. P.D.N.H.S. Newsletter, **6**, November,1. [Flora].

1949 Editor : Records of interest. [Insects - Death's Head Hawk Moth]. P.D.N.H.S. Newsletter, **6**, November. [Lepidoptera].

1949 Editor : Records of interest since last issue. [Birds : Buzzard. Wigeon. Heron (Swimming). Great Crested Grebe. Jackdaw. Scaup]. P.D.N.H.S. Newsletter. **6**, November, 1. [Raptors].

1949 Editor : Salmon. P.D.N.H.S. Newsletter. **6**, November, 2. [Fish].

1949 Editor : Screes [Schilly Beds]. P.D.N.H.S. Newsletter. **7**, December, 2.

1949 Editor : Ullswater Gull rafts. P.D.N.H.S. Newsletter. **5**, February, 1-2. [Birds]. [Lakes & Tarns].

1950 Editor : African Green "Stinkbug". P.D.N.H.S. Newsletter. **12**, May, 2. [Insects].

1950 Editor : Badgers. [Diet]. P.D.N.H.S. Newsletter. **12**, May, 1-2. [Mammals].
1950 Editor : Ferns. P.D.N.H.S. Newsletter. January. **8**, 2.
1950 Editor : Grey Squirrels reported at Penrith. P.D.N.H.S. Newsletter. **12**, May, 1. [Mammals].
1950 Editor : Migration Routes. [Birds]. P.D.N.H.S. Newsletter. **8**, January, 3.
1950 Editor : Records: Birds. [Includes : Magpie. Siskin. Blue Tit. Redwing. Fieldfares. Swallow. Short-eared Owl. Waterfowl. Wigeon. Heron. Gulls. Curlew. Redshank. Golden Plover. Oystercatcher]. P.D.N.H.S. Newsletter. **8**, January, 1-2. [Birds].
1950 Editor : Records : Birds. [Includes : First records of song. Snow Bunting. Blue Tit. Little Owl. Peregrine. Rough-legged Buzzard. Grebe. Water Rail. Rooks and Jackdaws]. P.D.N.H.S. Newsletter. **9**, February, 2. [Birds] [Raptors].
1950 Editor : Records : Birds. [Includes : Raven. Siskin. Brambling. Corn Bunting. Skylark. Yellow Wagtail. Blue Tit. Marsh Tit. Long-tailed Tit. Barn Owl. Merlin. Whooper Swan. Geese. Ducks. Cormorant. Green Sandpiper. Redshank. Black Guillemot]. P.D.N.H.S. Newsletter. **10**, March. 3.
1950 Editor : Records : Birds. [Includes : Fieldfare. Redwing. Curlew. Common Scoter. Chiff-chaff. Ring Ouzel. Sand Martin. Swallow]. P.D.N.H.S. Newsletter. **12**, May, 1.
1950 Editor : Records : Butterflies. [Orange-Tip. Peacock. Tortoiseshell]. P.D.N.H.S. Newsletter. **12**. May, 1. [Lepidoptera]. [Insects].
1950 Editor : Records : Flowers in bloom in the Eden Valley in January, [Shepherds Purse. Mouse-eared Chickweed. Chickweed. Gorse. Daisy. Groundsel. Dandelion. Procumbent Speedwell. Red Nettle. Petty Spurge. Annual Pea. Rayless Matricary. Field Woundwort. Small Nettle. Common Whitlow Grass. Hazel. Barren Strawberry. Thyme-leaved Speedwell. Lesser Stitchwort. Alpine Lady's Mantle. Fir Club Moss. Heartsease]. P.D.N.H.S. Newsletter. **9**. February, 2. [Flora].
1950 Editor : Records : Flowers. Moths - Hummingbird Hawk Moth. P.D.N.H.S. Newsletter. **10**, March, 1-2. [Lepidoptera]. [Insects].
1950 Editor : Records : Flowers. [Yellow Star of Bethlehem]. P.D.N.H.S. Newsletter. **12**, May, 1. [Flora].
1950 Editor : Records Fungi - Morels near Penrith. P.D.N.H.S. Newsletter. **12**, May, 1.
1950 Editor : Records : [Badgers]. P.D.N.H.S. Newsletter, **8**, January, 1. [Mammals].
1950 Editor : What to look for in February. P.D.N.H.S. Newsletter. **9**, February, 2. [Birds]. [Insects]. [Flora].
1950 Editor : What to look for in January. P.D.N.H.S. Newsletter. **8**, January, 2.
1950 Editor : What to look for in March P.D.N.H.S. Newsletter. **10**, March, 1-2.
1951 Editor : Bittern on the Eden. [Eden Lacy and Armathwaite]. P.D.N.H.S. Newsletter. February, 1. [Birds].
1951 Editor : Cormorants by the Eden. P.D.N.H.S. Newsletter. February, 1. [Birds].
1951 Editor : Dogs and Hedgehogs. P.D.N.H.S. Monthly Bulletin. May, 2.[Mammals].
1951 Editor : Early flowers on the Limestone. [Daphne mezereum. Green Hellebore. Stinking Hellebore. Lungwort]. P.D.N.H.S. Monthly Bulletin, May, 1.[Flora].
1951 Editor : Flies associated with the Globe flower. Field trip with H. Britten. P.D.N.H.S. Monthly Bulletin. August, 2. [Insects]. [Flora].
1951 Editor : Flocking on migration during the Winter. P.D.N.H.S. Monthly Bulletin. April, 2. [Birds].
1951 Editor : Green Woodpeckers. [Glencoin Woods and Great Salkeld]. P.D.N.H.S. Monthly Bulletin. March, 1. [Birds].
1951 Magpies and Foxes. P.D.N.H.S. Monthly Bulletin. July, 2. [Birds]. [Mammals].
1951 Editor : Pied Flycatchers - Request for information. P.D.N.H.S. Monthly Bulletin. May, 1-2. [Birds].
1951 Editor : Plants of note. [Creeping Spearwort. Alpine Campion. New-Zealand Willowherb. Orchids-Frog and Pyramidal]. P.D.N.H.S. Monthly Bulletin. August. 1-2. [Flora].
1951 Editor : Records. Birds. [A Harrier in the Eden Valley. Another Bittern. Hooded Crows. Cormorant Roost]. P.D.N.H.S. Monthly Bulletin. March, 1-2. [Flora].
1951 Editor : Records. [Late Spring. Cormorants on Eden. Pintail. Stoats]. P.D.N.H.S. Monthly Bulletin. April, 1-2. [Birds]. [Flora].
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1955 Annual Exhibition, 1953. Lepidoptera and Coleoptera. Pros. S. Lond. ent.nat. Hist. Soc, 1953-54. 18. [Exhibits include from the Kendal District :- *Erebia aethiops* Esp. *Chanonia ruficornis* Hufn. *Trichopteryx polycommata* Schiff. *Xantnorhoe munitata* Hb. *Ligdia adustata* Schiff. *Acasis viretata* Hb. *Pyrrhia umbra* Hufn. *Odontosia carmelita* Esp. *Crambus furcatellus* Zett. *Schoenobius mucronellus* Schiff. *Philedone prodromana* Hb. *Euxanthis zoegana* L. var. *furrugana* Haw. *Lithocolletis trifasciella* Haws. *Lygris populata* Hann. *Trichopteryx carpinata* Borkh. var. *Notodonta anceps* Goeze. *Drepana binaria* Hufn. *Apatele alni* L. *Plusia bractea* Schiff. *Gypsitea leucographa* Schiff. *Cirrhia gilvago* Schiff. Coleoptera from Kendal District *Elleschus bipunctatus* L. and *Oiceoptoma thoracica* L. Exhibited on behalf of Mr J. E. Thorpe of Kendal : *Tritoma bipustulata* F and *Platyeis minuta* F, both taken at Witherslack area]. [Insects].

1955 A Note from Westmorland. Ent. Rec. **67**, (7-8), July-August, 208. [Insects].

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1955 Et al : An interesting influx (Great Brocade). The Field Naturalist. September, 3. [Insects].

1955 Exhibition Meeting. Display Case including *E. occulata* taken at Kendal. Annual Report and Proceedings, Lancashire and Cheshire Entomological Society. Session 1954-1955. 22. [Insects].

1955 Hunters by night. The Field Naturalist. June, 2. [Insects].

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1955 Review of : Birds and Butterfly mysteries by Bernard Acworth. Eyre & Spottiswood. Ent. Rec. **67**, (12), December, 335-336. [Insects].

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1955 Review of : Scottish Naturalist, Vol **66**. Ent. Rec. **67**, (11), November, 296. [A follow up article by J.J.Campbell Ent. Rec. **68**, (1), January, 28 with a reply by N.L.Birkett Ent. Rec. **68**, (2), February, 56].

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1956 Abundance of *Erebia aethiops* sp. in South Westmorland. Ent. Rec. **68**, (3), March, 79. [Reference to A.E.Wright]. [Location : Arnside Knott]. [Insects].

1956 *Acherontia atropos* L. at Kendal. Ent. Rec. **68**, (9), September, 225. [Insects].

1956 Another note on *Calophasia lunula* Hufn. Ent. Rec. **68**, (11), November, 273-274. [Insects].

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1956 Author : Allen, A.A. A few more observations of beetles. Ent. mon.Mag. **92**, July, 278. [Includes *Melasis buprestoides* L. taken by N.L.Birkett]. [Coleoptera]. [Insects].

1956 Author : Vine Hall, J.H. The Macrolepidoptera of a South Westmorland Parish : Addenda and Corrigenda. Ent. Gaz. **7**, (4), October, 185-187. [Reference to N.L.Birkett]. [Insects].

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1956 Exhibition Meeting. Including Lepidoptera of the Lake District and Diptera from Kendal Area. Annual Report and Proceedings, Lancashire and Cheshire Entomological Society. Session 1955-1956. 12. [Insects].

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1956 Some observations on a flight of *Bombas lucorum* L. (Hym., Bombidae). Ent. mon. Mag. **92**, September, 333.[Location : Silecroft, Cumberland]. [Insects].

1957 A Review of the status of some Lake District Lepidoptera. Changing Scene. **1**, 40-47. [Insects].

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1957 Author : Reid, W. Collecting notes, 1956. Ent. Rec. **69**, (3), March, 58-62. [Reference to N.L.Birkett]. [Location : North Wales]. [Specimens recorded *Amathes ashworthii* Dbld., and *Saturnia pavonia* L. (carpini, Schf.)] [Insects].

1957 Chironomid, *Podonomus kiefferi* found at Ratherheath. The Field Naturalist. **2**, (n.s), (3), 29. [Insects].

1957 Coelopa Swarms. The Field Naturalist. **2**, (n.s), (1), 4. [Insects].

1957 *Dryophilus pusillus* (Gyll.) (Col., Anobiidae) in a light trap. Ent. mon. Mag. **93**, October, 240. [Insects].

1957 Early immigrants at Kendal, Westmorland. Ent. Rec. **69**, (5), May, 118. [Reference to T. Smith]. [Specimens *Heliothis peltigera* Schf. and *Agrotis ipsilon*. Hufn]. [Insects].

1957 Exhibition Meeting. Display Case showing specimens from Kendal and a case of Chironomidae. Annual Report and Proceedings, Lancashire and Cheshire Entomological Society. Session 1956-1957. 19. [Insects]. [Midges].

1957 More notes on Suffolk Lepidoptera. Suffolk Nat. Trans. **10**, (3), 1-4. (Could be 212-215) records vary. [Insects].

1957 Non-biting Midges. The Field Naturalist. **2**, (n.s), (2). 21-22. [Insects].

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1957 Notes on a small collection of Chironomidae (Diptera) made in the Kendal District. Ent. mon. Mag. **93**, July,145-149. [References to H. Britten. T.T.Macan]. [Insects]. [Midges].

1957 Notes on the 1956 season. Ent Rec. **69**, (1), January, 1-6. [Reference to J. Vine Hall]. [Locations include : Holker Moss. Kendal. Langdale Pikes. Meathop Moss. Witherslack]. [Insects].

1957 Rowan berries attracting Moths. (*Eupsilis transversa* and *Conistra vaccinii* L). Ent Rec. **69**, (3), March. 75. [A reference to this article by B.K.West in Ent. Rec. 1983. **95**, (5-6), May-June, 116. [Insects] [Flora].

1957 The Chironomidae. The Field Naturalist. **2**, (n.s), (2), 21-22. [Insects]. [Midges].

1958 *Aegeria spheciformis* Schiff at Witherslack, Westmorland. Ent. Rec. **70**, (9), September, 222.

1958 Annual Exhibition, October 1957. British Macrolepidoptera. Proc. S. Lond. ent. nat. Hist. Soc, 1957. 20-21. [Exhibits include :- *Heliothis peltigera* Schiff, pale Southern European form, Taken at Kendal. *Callimorpha jacobaeae* L an aberration. *Apama ophiogramma* Esp, a melanic aberration. *Spilosoma lubricipeda* L., an aberration. *Cirrhia gilvago* Schiff. *Hydraecia lucens* Frey. *Plusia bractea* Schiff]. [Insects].

1958 A short holiday trip to Spain,1953. Ent. Rec. **70**, (11), November, 259-262.

1958 Author : Michaelis, H.N. Microlepidoptera in Lancashire and Cheshire, 1955-1957. Ent. Rec. **70**, (5), May, 122-127. [Record of *Phalonia implicitana* Wocke) taken by N.L.Birkett at Walney Island]. [Insects].

1958 Exhibition Meeting. Display Case showing Lepidoptera from Southwold and Kendal. Annual Report and Proceedings, Lancashire and Cheshire Entomological Society. Session 1957-58. 24. [Insects].

1958 *Leucania straminea* and *Triphaena interjecta* in North Lancashire. Entomologist. **91**,(1146), November, 252. [Silverdale]. [Reference to N.L.Birkett]. [Insects].

1958 Notes on immigrant Lepidoptera to North-West England. Ent. Rec. **70**, (11), November, 274-275. [Locations include : Foulshaw Moss. Furness area. Kendal district]. [Insects].

1958 On the biology of the Chironomidae. Annual Report and Proceedings Lancashire and Cheshire Entomological Society. Session 1957-58. 39-48. [Midges].

1958 Two records of Cerambycidae (Col), from North Lancashire. Ent. mon. Mag. **94**, 131. [Insects].

1959 Annual Exhibition, October 1958. Exhibits British Lepidoptera and Diptera. Proc. S. Lond. ent. nat. Hist. Soc. 1959. [Exhibits include :- *Herse convolvuli* -female from Kendal. *Heliothis armigera* Hubn - taken at Kendal, only one previous record from Grange-over-Sands. *Aegeria spheciformis* Schiff from Witherslack, only previously recorded from Windermere. Diptera :- *Podonomus kiefferi* Garrett,(*peregrinus* Edwards). *Pentaneura hirtimanus* (Kieffer). P. carnea (F). *Protanypus* (Procladius) *mario* (Zett). *Procladius sagittalis* (Kieffer). *Limnophyes* (Lymnophytes) *minimus* (Meig). *Chironomus anthracinus* (Zett). *C. tentans* F. *C* (Stenochironomus) *gibbus* (F). Also a small number of non-biting midges or Chironomidae from Kendal area. [Insects] [Midges].

1959 Author : Fairclough, R. Black Tom's Lane, (Witherslack). Ent. Rec. **71**, (11), November, 267. [Reference to N.L.Birkett]. [Insects].

1959 Author : Michaelis, H. N. Lepidoptera for 1954-1956. [Includes one record submitted by N.L. Birkett :- Tortricoidea *Phalonia implicitana* (Wocke), Walney Island. Lancashire and Cheshire Fauna Committee. 31st Report and Report of the Recorders for 1957-58. 72-76. [Insects].

1959 Author : Worms, Baron C.G.M. de. British Lepidoptera collecting, 1958. (A brief account of M.V. trapping with N.L.Birkett in Hamstreet Woods, Kent). Entomologist. **92**, April, (1151), 67-75.

1959 *Evergestis straminalis* Hubn (Moth) taken at Sandscale Sand Dunes, July 1959. The Field Naturalist. **4**, (n.s), (6), 68. [Insects].

1959 Exhibition Meeting. Display Case showing British Macro-Lepidoptera and Diptera (Chironomids) mainly from the Kendal District. Annual Report and Proceedings, Lancashire and Cheshire Entomological Society. Session 1958-1959. 12. [Insects] [Midges].

1959 Some records of Hover-flies (Dipt. Syrphidae) at Mercury-Vapour Light. Ent. mon. Mag. **95**, March, 63. [Insects].

1959 Two records of Cerambycidae (Col.) from North Lancashire. Ent. mon. Mag. **94**, June, 181. Location : Grange-over-Sands]. [Reference to A.E.Wright]. [Insects].

1959 What at Witherslack? Ent Rec. **71**, (9), September**,**197-201. [References to J.H.Threlfall. J.B.Hodgkinson. J.J.Lister] [Locations include : Caterag Mosses Nature Reserve. Meathop Moss. Whitbarrow. Yewbarrow]. [Insects].

1960 *Bibio mari* L. and *Emois tesselata* Faer on Meathop Moss. The Field Naturalist. **5**, (n.s), (3), 28. [Insects].

1960 Diptera *Servillia meig* from Meathop Moss and Rusland Valley. The Field Naturalist. **5**, (n.s), (4), 41. [Insects].

1960 Further records of *Servillia ursina* Meig from Meathop and Rusland Valley. The Field Naturalist. **5**, (n.s), (4), 41. [Insects].

1960 *Gonodontis bidentata* var. *nigra* Prout in Westmorland. Ent. Rec. **72**, (9), September, 195. [Reference to R.C.Lowther. J. Vine Hall]. [Kendal]. [Insects].

1960 *Herse convolvuli* L at Kendal, Westmorland. Ent. Rec. **72**, (9), September, 197. [Insects].

1960 Lepidoptera of the moss-lands of Southern Lakeland. Changing Scene. **2**, 48-53. [Insects].

1960 *Servillia ursina* Meig (Dipt., Tachinidae) in South Westmorland. Ent. mon. Mag. **96**, January, 21. [Location : Meathop Moss]. [Insects].

1960 Some records of Chironomodae (Diptera) taken in Scotland. Entomologist. **93**, (1168), September, 182-183. [Insects]. [Midges].

1960 Some records of Lepidoptera from the North West, 1959. Ent. Rec. **72**, (3), March, 65-67. [References to R.C.Lowther and A.E.Wright]. [Locations :- Roudsea Woods. Sandscale Warren, Storrs Moss. Witherslack]. [Insects].

1960 Winter Chironomidae (Dipt.) in the Lake District. Ent. Rec. **72**, (5), May, 132-133. [Midges].

1961 An Entomological mystery. Ent. Rec. **73**, (4), June, 134. [*Mellieta aurelia*]. [Insect].

1961 An Entomological mystery - a further note. Ent. Rec. **73**, (12), December, 263. [Insect].

1961 Annual Exhibition, October,1960. Exhibited : British Lepidoptera. Proc. S. Lond. ent. nat. Hist. Soc. 1961. 25-26. Exhibited the following :- *Fabriciana* (Argynnis) L. *ab. suffusa* Tutt, taken in the Kendal District in 1917. *Erebia aethiops* Esp, taken at Arnside. *Apatele alni* from Kendal district, in general approaching *ab. suffusa* Tutt. *Arenostola phragmitidis* Hubn from Silverdale. *Gonodontis bidentata* Clerck *ab. nigra* Prout, first taken in Westmorland. *Parasemia plantaginis* L. *ab. hospita* Schiff, bred by Ted Smith of Kendal. *Eurhodope plantaginis L. ab* (Euzophera) *advenella* Zinck, first record for Kendal area. *Evergestis pallidata* Hufn (Straminalis Hubn) from Sandscale Warren, 2nd record. *Acleris* (Peronea) *hastiana* L, bred from larvae taken at Walney Island. *Epinotia* (Eucosma) *nisella* Clerck taken at Silverdale. *Mompha fulvescens* Haw bred from larvae taken at Kendal. *Paltodoria cystisella* Curt, two specimens taken at Roudsea Wood, a new Lancs record. Some Diptera with aquatic larvae : *Liancalus virens* (Scop) (Dolichopodidae) a short series taken at Grasmere. *Procladius sagittalis* (Kieff). *Protanypus morio* (Zett). *Brillia modesta* (Meig).*Hydrobaenus* (Smittia) *aterrimus* (Meig). *Chironomus anthracinus* Zett. *C. dorsalis* Meig. C. (Microtendipes) *pedellus* (Deg) (Chironomidae). [Insects].

1961 Author : Heath, J. Lepidoptera new to Lancashire and Westmorland. Ent. mon. Mag. **97**, May-July, 100. [Reference to N.L.Birkett]. [Insects].

1961 Collecting notes, 1961. Ent. Rec. **74**, (1), January, 13-18. [Locations include :- Brigsteer. Hale. Kendal. Newby Bridge. Sandscale. Windermere]. [Insects].

1961 *Pyrausta asinalis* Hubn at Penmaenmawr. Ent. Rec. **73**, (6), June, 134. [Insects].

1962 Annual Exhibition Meeting, 1961. Lepidoptera from unspecified North Lancs and Westmorland locations. Ann. Rept & Proc. Lancs and Cheshire Ent. Soc. Session 1961-62. 12-13. [Exhibits :- Series of *Peronea comariana* Zell. Bred from larvae found in Marsh Cinquefoil at Ratherheath, Nr Kendal. Also a case of Lepidoptera from North Lancashire and Westmorland including :- Series of *Hydraecia spp*, *Cucullia chamomillae* Schiff. Also : *Apocheima hispidaria* Schiff. *Discololoxia blomeri* Curt. *Hydrelia flammeolaria* Hufn. *Craniophora ligustri* Schiff. *Atolmis rubricollis* L. *Dasychira fascelina* L, *Leucoma salicis* L]. [Insects].

1962 Annual Exhibition Meeting, October 1961. Proc. Trans. S. Lond ent. nat Hist Soc, 1961-62. 12-13. [Exhibits include : *Craniophora ligustri* Schiff from N. Lancs and S. Westmorland. *Apocheima hispidaria* Schiff from N. Lancs. *Dasychira fascelina* L and *Leucoma salicis* L both from Sandscale. *Atolmis rubricollis* L from Newby Bridge. Small selection of species from the Lake District : *Pentaneura earnea* (F). *Microtendipes tarsalis* Walker. *Pentapedilum* (Sergentia) *coracinus* Zett. *Cryptochironomus biannulatus* Staeger. *Cryptochironomus* (Harnischia*) vulneratus* Zett. *Polypedilum laetus* Meig. *Glyptotendipes gripekoveni* Kieffer. *Stictochironomus pictulus* Meig]. [Insects].

1962 Author : Goodall, C J. *Herse convolvuli* L. at Morecambe. Ent. Rec. **74**, (10), October, 223. [Reference to N.L.Birkett]. [Insects].

1962 Author : Johnson, Colin. The Scarabaeoid (Coleoptera), Fauna of Lancashire and Cheshire and its apparent changes over the last 100 years. Entomologist. **95**, (1189), June, 153-165. [Includes references to specimens recorded by N.L.Birkett and A.E.Wright]. [Insects].

1962 Author : Skidmore, P. Some recent additions to the Lancashire and Cheshire Diptera List. Ent. mon. Mag. **98**, September - December, 182-186. [Insects].

1962 *Tettigonia viridissima* L. (Orth., Tettigoniidae) in Pembrokeshire. Ent. mon. Mag. **68**, September - December, 202. [Insects].

1963 Author : Michaelis, H.N. Lepidoptera Report, 1957-1961.[Includes records by N.L.Birkett and John Heath Roudsea Wood]. Lancashire and Cheshire Fauna Committee. 33rd Report and

Reports of the Recorders. Publication **43**. 51-52. [Insects].

1963 A brief account of a talk by Neville Birkett on Chironomids in the North-West. Given to the British Trust for Entomology, 16th March, 1963. Entomologist. **96**, (1199), April, 96. [Insects]. [Midges].

1963 Collecting in the New Forest. Ent. Rec. **75**, (7), July, 174-175.[The article raised the issues of access to the New Forest following Forestry Commission restrictions. There were some responses from other Entomologists **:-** Demuth, R.P. Ent. Rec. **75**, (8), August, 208. Leech, M.J. Ent Rec. **75**, (9), September, 229-231. Coxley, S. Ent. Rec. **75**, (9), September, 231-232. [Insects].

1963 Some records of *Blastobasis lignea* Wals. Ent. Rec. **75**, (5-6), May-June, 148. [Insects].

1963 Unusual abundance of *Odontosia carmelita* Esp in Westmorland. Ent. Rec. **75**, (7), July, 175. [Insects].

1963 Why collect Butterflies and Moths ? The Field Naturalist. **8**, (n.s), 1-4. [Insects].

1964 A Continental holiday,1963. Ent. Rec. **76**, (4), April, 102-106 and **76**, (5), May, 126-129. [Insects].

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2007 "Plant Record **135/25.104** *Taraxacum acutifidum*. V.C. 69, Westmorland : grassland, Rinkfield Road, Kendal. SD 519912. A.M.Boucher, 2005, det, A.J.R. **LANC**, herb, A.M.B. New Vice-county record." Watsonia. **25**, (3), February, 402. [Flora].

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2007 "Plant Record **135/25.149** *Taraxacum laeticolor* V.C. 69, Westmorland : roadside verge, B6385, Crooklands. SD 533826. A.M.B. 2005, det, A.J.Richards, herb, A.M.B. New Vice-county record." Watsonia. **26**, (3), February, 403. [Flora].

2007 "Plant Record **135/25.217**. *Taraxacum undulatum*. V.C. 69, Westmorland : Coastal grassland, Milnthorpe. SD483823 A.M.Boucher, 2005. Det. A.J.Richards. Lancs,." Watsonia **26**,(3), Feb, 402.

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2007 "Plant Record **153/70**.ver. *Setaria verticillata*. V.C.69, Westmorland : pavement weed, Finkle Street, Kendal. SD 515926. A.M.Boucher. 2005, **LANC**, herb, AMB. New Vice-county record." Watsonia. **26**, (3), February, 406.[Flora].

2007 "Plant Record **153/71** San. *Digitaria sanguinalis*. V.C. 69, Westmorland : pavement weed, Finkle Street, Kendal. SD 515926. A.M.Boucher. 2005, **LANC**, herb, A.M.B. New Vice-county record." Watsonia. **26**, (3), February, 406. [Flora].

2008 "Plant Record **75/8.210** *Rubus distraitiformis*. V.C. 69, Westmorland : amongst shrubs, ASDA, Car-park, Kendal. SD 522906. A.B.Boucher. 2006, det, A. Newton, **LANC**. No doubt introduced

with shrubs, extension of area from S.W.Pennines. New Vice-county record. Watsonia. **27**, (1), February, 78.[Flora].

2008 "Plant Record **131/6.8** x **etr.** *Lonicera* x *Italica*. (*L. Caprifolium* x *L. etrusca*). V.C. Westmorland : waste land east of Cavendish Dock, Barrow-in-Furness. SD 218687. A.M.Boucher et al. 2006, **LANC**. New Vice-county record." Watsonia. **27**, (1), February, 83.[Flora].

2008 "Plant Record **131/6 tat**. *Lonicera tatarica* V.C. 69, Westmorland : one large bush in derelict factory area, Barrow-in-Furness. SD 216686. A.M.Boucher, et al. 2006, **LANC**. New Vice-County record. Watsonia." **27**, (1), February, 83. [Flora].

2008 "Plant Record **135/25.91.** *Taraxacum kernianum*. V.C. 69, Westmorland : footpath margin near Valley Drive, Kendal. SD 528918. A.M.Boucher, 2006, det. A.J.Richards. Herb, A.M.B. New Vice-county record." Watsonia. **27**, (1), February, 84. [Flora].

2009 "Plant Record **62/24.1** *Camelina sativa*. V.C.69,Westmorland : abundant in field by A 684,Killington. SD 599918. A.M.Boucher. 2007, **LANC**, Relict of 'Conservation mixture'. New Vice-county record. Watsonia. **27**, (3), February, 260. [Flora].

2009 "Plant Record **53/2** olb x thu. *Lavatera* x *clementii* (*L.olbia* x *thuringiaca*). V.C.69,Westmorland : waste ground by infill canal, Kendal. SD 518930. A.M.Boucher. 2007. **LANC**." Watsonia. **27**, (3), February, 265. [Flora].

2009 "Plant Record **75/12.1** *Duchesnea indica*. V.C. Westmorland : beneath trees in St. Thomas's churchyard, Kendal. SD 513931. A.M.Boucher, 2007, **LANC**. New Vice-county record" Watsonia. **27**, (3),February, 266. [Flora].

2009 "Plant Record **75/22.1** *Prunus persica*. V.C.69, Westmorland : small sapling in layby outside Rugby Ground, Kendal. SD 521940. A.M.Boucher,2007,**LANC**.New Vice-county record." Watsonia. **27**, (3),February, 266. [Flora].

2009 "Plant record **75/33.2** *Pyracantha rogersiana*. V.C.69, Westmorland : thicket near end of canal, Stainton. SD 520853. A.M.Boucher, 2007, Lancaster. First Vice-county record." Watsonia. **27**, (3), February, 267. [Flora].

2009 "Plant Record **110/Pet**. *axixint Petunia* x *hybrida* (*P. axillaris x integrifolia*). V.C.69, Westmorland : pavement weed, Library Road, Kendal. NY 513928. A.M.Boucher. 2007, **LANC**. New Vice-county record." Watsonia. **27**, (3), February, 268.[Flora].

2009 "Plant Record **135/25.cest**. *Taraxacum cestrense*. T.Edmondson ined. V.C.Westmorland : pavement, Whinlatter Drive, Kendal. SD 525906. A.M.Boucher. 2007, det, A.J.Richards. **LANC**. New Vice-county record." Watsonia. **27**, (3), February, 270. [Flora].

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2009 "Plant Record **153/17.3**. *Briza maxima* V.C.69,Westmorland : Shrubbery weed, Homebase car-park, Kendal. SD 516930. A.M.Boucher. 2007, **LANC**. New Vice-county record." Watsonia. **27**, (3), February, 270. [Flora].

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Dusky Plume. Garden Pebble. Golden-fringed Tabby. Green-shaded Honey. Hoary Grey. Inlaid Grass-veneer. Large Grey. Large White Plume. Magpie China-mark. Marbled Knot-horn. Mother of Pearl. Northern Pearl. Olive Brindled Pearl. Pale Plume. Pale Straw Pearl. Pearl Grass-veneer.

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1965 Joint Author : Brown, A.H.F. The assessment of the taxonomic status of mixed oak (*Quercus* Spp.) populations. Watsonia. **6**, 120-127. [Trees]. [Roudsea Wood, Cumbria].

1966 Joint Authors : Brown, A.H.F & White, E.J. Litterfall, leaf production and the effects of defloliation by *Tortrix viridana* in a sessile oak. (*Quercus petraea*) woodland. J. Ecol. **54**, (1), 65-85. [Bogie Crag Wood, Grizedale Forest]. [Ecology] [Woodland].

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1966 Joint Author : White, E.J. The interception of precipitation by Oak (*Quercus petraea*) on a high rainfall site. Q. Jnl. For. **59**, 140-143.

1967 Joint Author : Brown, A.H.F. The estimation of mean timber and bark densities of entire oak stems from samples taken near the base of standing trees. Q. Jnl. For. **61**, 294-297.[Grizedale Forest, Cumbria]. [Woodland].

1967 Joint Authors : Brown, A.H.F., & White, E.J. The nutrient content of tree stem flow and ground flora litter and leachates in a sessile oak (*Quercus petraea*) woodland. J. Ecol. **55**, (3), 615-627. [Location : Bogie Crag Wood, Grizedale Forest]. [Ecology]. [Woodland].

1968 Joint Authors : Allen, S.E., **Carlisle, A**.,White, E.J. & Evans, C.C. The plant nutrient content of rainwater. J. Ecol. **56**, 497-504. [Flora] [Ecology].

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CARLISLE ANGLING ASSOCIATION.

2003 Author : Graham, Walter. Carlisle Angling Association, a 150th Anniversary. Photographic memories. C.A.A. [Fish]. [Rivers & Streams].

CARLISLE CITY COUNCIL.

1981 Eden Riverside Trail. Carlisle City Council.

1986 Wildlife in Carlisle. Carlisle City Council. (Leaflet).

1989 Countryside Strategy. Carlisle City Council.

CARLISLE ENTOMOLOGICAL AND BOTANICAL SOCIETY.

See also :- Carlisle Natural History Society.

1894 John Buckle reports the instigation of the Carlisle Entomological Society. First meeting 30th November, 1893. Held at the House of Mr C Eales, subsequently elected President. John Buckle elected Secretary. Entomologist. **27**, (368), January, 24. [Biography]. [Insects].

1899 November, 17th, 1898. Meeting at Tullie House, reported by G.B.Routledge. G.B.Routledge in the Chair. Field Reports by members. Exhibits by :- Day, F.H., Dixon,M, Routledge,G.B. Specimens displayed from Carlisle District and Castle Carrick. Entomologist. **32**,(429), February, 48-49. [Insects].

1899 December, 1st. 1898. Meeting reported by G.B.Routledge. F.H.Day presented a paper entitled 'Entomological rambles on Mountain, Plain and Shore. Exhibits by :- Aiken,Mr., Day, F.H. Thwaytes, J.E. Specimens displayed from Carlisle District. Honister Cragg. Lake District. River Eden. Silloth. Skiddaw. Stylehead. Entomologist. **32**, (429), February, 48. [Insects].

1899 December, 15th, 1898. Meeting reported by G.B.Routledge. Field Reports by members. Exhibits by :- Day, F.H., Molden, Mr. Wilkinson, J. Specimens displayed from Carlisle and District, Cumberland Coast and Penrith. Entomologist. **32**, (429), February,48-49.[Insects].

1899 March, 2nd, 1899. Meeting reported by G.B.Routledge. A paper was presented by J.E.Thwaytes on 'Lepidoptera taken at Sugar and Light in 1898. Exhibits from :- Day, F.H., Mawson, H. Murray, J. Specimens displayed from Carlisle and District. Durdar. River Eden, River Petteril. Entomologist. **32**, (432), May, 137-138. [Insects].

1899 April, 6th, 1899. Meeting reported by G.B.Routledge. A paper was presented by J. Wilkinson on Mimicry. Exhibits by **:-** Day, F.H., Mawson, H. Murray, J. Specimens displayed from Burgh Marsh. Gelt. Keswick. Newbiggin. Portinscale. Silloth. Entomologist. **32**, (432), May, 137-138. [Insects].

1899 May 4th, 1899. Meeting reported by G.B.Routledge. Field Reports from members. Exhibits by **:-** Day, F. H., Murray, James, Wilkinson, J. Specimens displayed from Carlisle District. Keswick. Threlkeld. Entomologist. **32**, (434), July, 190-191. [Insects].

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Day, F. H., Murray, J., Routledge, G.B.Wilkinson, J. Specimens displayed from Carlisle District. Castlecarrock Fell. River Gelt. River Irthing. Entomologist. **32**, (434), July, 190-191. [Insects].

1899 July 6th, 1899. Meeting reported by G.B.Routledge. Field Reports from members. Exhibits by **:-** Day, F.H., Murray, J., Routledge, G.B, Wilkinson, J. Specimens displayed from Brackenbur Moor, Westmorland. Burgh. Castlecarrock Fell. River Eden. River Irthing. Entomologist. **32**, (435), August, 214. [Insects].

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1899 September, 7th, 1899. Meeting reported by G.B.Routledge. Field Reports from members. Exhibits from :- Day, F.H., Murray, J., Routledge, G.B., Wilkinson, J. Specimens displayed from Carlisle. Castle Carrock. Orton. Salkeld. Wreay. Entomologist. **32**, (438), November, 287. [Insects].

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1936 Tom L. Johnston - Carlisle collectors present to Tullie House. Carlisle Journal, 28th February, 1936.[Biography].

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CARLISLE MUSEUM see TULLIE HOUSE.

CARLISLE NATURAL HISTORY SOCIETY.

See also : - Carlisle Entomological and Botanical Society.

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Contents :-

Introduction by the Editors : giving a brief history of the Society. vii.
Murray, James. A Bygone Cumberland Naturalist, A Memoir of T.C.Heysham. 1-12. [Biography].
Dunlop, W.E.B. Westmorland Ornithological Notes, 1907.13-23. [Birds].
Britten, H. Mammals of the Eden Valley. 24-30. [Mammals].
Johnstone, Thomas Scott. Plant Life around Carlisle, Part 1.31 48. [Flora].
Johnston, T.L. The Wading Birds of the Solway. 49-62. [Birds]. [Coast and Estuaries].
Day, Frank H. The Fauna of Cumberland in relation to its Physical Geography. 63-74. [Geology]
Hope, Linnaeus E. The Gulls and Diving Birds of the Solway.75-97. [Coast & Estuaries].
Routledge, George B. The Butterflies of Cumberland. 98-113. [Lepidoptera] [Insects].
Murray, James. The Land and Freshwater Shells of Cumberland. 114-121. [Molluscs].
Day, Frank Henry. The Coleoptera of Cumberland. Part 1. 122-150. [Insects].

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1909 Author : Tutt, J.W. Current Notes **:-** Carlisle Natural History Society Transactions, Vol 1. Advanced notice of its publication. Ent. Rec. **21**, 119 and a review on 191.

1912 Transactions of the Carlisle Natural History Society. Vol **2**. Editorial Committee :- Day, F.H, Hope, L.E. and Murray, J. James Beaty and Sons, Carlisle.

Contents :-

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Branston, Jno W. The Minerals of Cumberland. 14-29. [Geology].
Britten, H. The Arachnids (Spiders &) of Cumberland. 30-63.[Insects].
Johnstone, Thos. Scott. Plant Life around Carlisle. 66-88. [Flora].
Dunlop, Eric B. The Natural History of the Peregrine Falcon. 89-93. [Birds] [Raptors].
Routledge, George B. The Lepidoptera of Cumberland (Part 2., Moths). 94-183. [Insects].
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the Society. Secretaries Reports. Correspondence from E.J.Wilson, R. Newling & Emily Newling. Subscription Reports. A Report of a general Meeting held December 1916. Annual Reports. A Re-print from the Naturalist with a list of the Reserves Flora & Fauna. Documents held in the Local Studies Collection, Carlisle Public Library.

1918 Carlisle Natural History Society. Report by F.H.Day of meetings held :- 13th December, 1917., 10th January, 1918., 7th February., 7th March. Specimens displayed by :- Day, F.H., Hope, L.E., Marriner, Mr., Murray, J and Routledge, G.B. Records new Cumberland Dragonfly (*Leucorrhinia dubia*). Entomologist. **51**, (660), May, 119-120. [Odonata].

1919 Carlisle Natural History Society. Report by F.H.Day of meetings held :- 23rd January., 6th March, 3rd April. Specimens displayed by :- Day, F.H., Ford, H.D., Hope, L.E, & Marriner, Mr. Entomologist. **52**, (673), June, 143-144.

1922 Author : Day, F.H. Carlisle Natural History Society. Meetings. 1922-23. Vasculum. **9**, (3), 107-108.

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1923 Author : Riley, N.D. Carlisle Natural History Society. Ent. Rec. **35**, (9), September.

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Contents :-

Addenda to Macphersons 'Vertebrate Fauna of Lakeland.' (Birds), by (the late) Eric B Dunlop and Appendix by Linnaeus Eden Hope.1-39. Routledge, George B. The Lepidoptera of Cumberland, (Part 3), Geometrae. 40-69. [Insects]. Day, Frank H. The Coleoptera of Cumberland, (Part 3), conclusion.70-107. [Insects].

1928 Transactions of the Carlisle Natural History Society. Vol **4**. Joint Editors : Day, F.H. and Hope, L.E. James Beaty & Sons, Carlisle.

Contents :-

Murray, James. William Hodgson, A.L.S. 1-15. [Biography]. [Flora].
Blezard, E. On the Raven. 16-22. [Birds].
Routledge, George B. The Lepidoptera of Cumberland, (Part 4)., Moths. 23-65. [Insects].
Day, F.H. Jun. Some notes on the Minerals of the Caldbeck Fells. 66-79. [Geology].
Graham, Ritson. Local Wildfowl (Ducks and Geese). 80-104. [Birds].
Routledge, George B. The Orthoptera of Cumberland. 105-107. [Insects].
Day, Frank H . The Hemiptera - Heteroptera of Cumberland. 108-130. [Insects].
Day, Frank H. Cumberland Odonata (Dragonflies).131-134. [Insects].
Day, Frank H. Further addenda to "The Coleoptera of Cumberland" published in Vols 1 - 3. 135 - 136. [Insects].

1929 Anon. A review of Volume **4** of the Transactions of the Carlisle Natural History Society. Entomologist. **62**,(798), November, 262.

1930 A report by F.H.Day of a Carlisle Natural History Society meeting held 14th November, 1929. Including a lengthy discussion concerning local Butterflies and a list of 23 species. Entomologist. **63**, (800), January, 23. [Lepidoptera] [Insects].

1933 Anon. A review of Volume **5** of the Transactions of the Carlisle Natural History Society. North Western Naturalist. **8**, (4), 280-281.

1933 Author : Day, F. H. Carlisle Natural History Society - Winter Programme, 1933-34. North Western Naturalist. **8**, (4), 343.

1933 Transactions of the Carlisle Natural History Society. Vol **5**. Editor : Day, F.H. James Beaty, Carlisle.

Contents :-

Day, Frank H. History of the Carlisle Natural History Society. 1-13.
Johnston, B. Birds in Carlisle. 14-25.
Johnson, B. Mammals in Carlisle. 26-30.
Ford, H.D. Collecting by Light in the Carlisle District. 31 -38. [Lepidoptera] [Insects].
Stewart, Dorothy. Trees in Carlisle. 39-43.
Routledge, George B. The Neuroptera and Trichoptera of Cumberland,

Westmorland and North Lancashire. 44-60.[Insects].
Blezard, E. On the Buzzard. 61-66. [Birds].
Johnston, T.L. The Barnacle Goose on the English Solway. 67-82. [Birds].
Routledge, George B. F.R.E.S. Cumberland Aculeate Hymenoptera. 83-103. [Insects].
Graham, Ritson. The Roe Deer in Cumberland. 104 -116. [Mammals].
Day, Frank H. Further addenda to the Coleoptera of Cumberland. Published in Vols 1 - 4. 117 - 125. [Insects].
Routledge, George B. The Lepidoptera of Cumberland, Additional Species and Further Records. 126 - 143. [Insects].

1934 Author : Riley, N.D. Review of Volume **5,** The Transactions of the Carlisle Natural History Society. Ent. Rec. **261**. April, 94.

1938 Carlisle Natural History Society. A folder containing a variety of documents concerning primarily the Opening of the Natural History (George Bell Routledge) Room Saturday 24th September, 1938. There is also a list of books belonging to Eric B. Dunlop. Also lists including Local Herbarium]. Item located in the Local Studies Collection of Carlisle Public Library].

1943 Author : Anon. A Review of Volume **6**, Transactions of the Carlisle Natural History Society, The Birds of Lakeland. Edited by Blezard, E. North Western Naturalist. **14**, June, 133-134.

1943 Transactions of the Carlisle Natural History Society. Vol **6**. The Birds of Lakeland. Published by the Society. Edited by Blezard, E. Co-editors, Garnett, Marjory, Graham, Ritson, Johnston, Tom. L.

Contents :- Blezard, E. Preface. 1-3. Contributors. 7-8. Illustrations. 9. Bibliography. 10. Day, F.H. The Faunal Area of Lakeland. 11-16.Blezard, E and Johnson, Tom L. The rearing of ducks at Netherby. 17-19. [Birds]. The Birds of Lakeland. 21-160.

1945 Author : Muirhead, C.Winsome. Plans for a new Flora of Cumberland. [By Carlisle Natural History Society]. North Western Naturalist. **20**, (3-4), 267.

1946 Author : Day, F.H. C.N. H. Soc : Session 1945-1946. North Western Naturalist. **21**, (1-2), 126.

1946 Transactions of the Carlisle Natural History Society. Vol **7**. Lakeland Natural History. Published by the Society. Editor : Blezard. E. T.Buncle.

Contents :-

Blezard, E. Preface. vii - viii.
Carr-Lewty, Flight-Lieutenant R.A. Aviation and Ornithology in Lakeland. 1-28. A Map to illustrate Aviation and Ornithology in Lakeland is attached in a separate envelope attached to the end cover. [Birds].
Skelly, T.W.K. Lakeland and the Ice Age. 29-48. [Geology].
Garnett, Marjory. Winter Birds on Windermere-A retrospective, together with a list of Water-fowl, Waders and Gulls of the Lake. 49-70.
Blezard, Dorothy. Creeping Lady's Tresses in Cumberland. 71-74. [Flora]. [Orchids].
Johnston, Tom L. The Grey-lag Goose in Lakeland. 75-79. [Birds].
Graham, Ritson. The Badger in Cumberland. 88-99. [Mammals].
Blezard, Ernest. The Lakeland Pennines and their Birds. 100-115.[Moorland & Upland].
Thompson, Walter. A Round on Westmorland Moors. 116-117. [Moorland & Upland].
Day, F.H. The Progress of Natural History I Cumberland. 118-130.
Blezard, Ernest. The Birds of Lakeland : a supplement. 131-149.

1947 Author : Blezard, Dorothy. Carlisle Natural History Society, Session 1946-1947. North Western Naturalist. **22**, (1 / 2), 140-141.

1947 Author : Dallman, A.A. The importance of local scientific societies. [Not specific to Carlisle but offers an interesting perspective for C.N.H.S]. North Western Naturalist. **22**, (1-2), 167-168.

1947 Author : Day, F.H. A letter on behalf of the Society to the Editorial staff of the North Western Naturalist on their 21st Birthday. North Western Naturalist. **22**, (1-2), 10-11.

1954 Review of Transactions of the Carlisle Natural History Society, Vols **7** and **8**. North Western Naturalist. (n.s), **2**, (3), 474-475.

1954 Transactions of the Carlisle Natural History Society. Vol **8**. Editor : Blezard, E. Published by the Society.

Contents :-

Blezard, E. Preface. 1.
Blezard, E. Tom Little Johnston, 1875-1948. 5-7. with a Bibliography.
Johnston, Tom Little. The Greater Black-backed Gull on the Cumberland Solway. 8-13. [Birds]. [Coast & Estuaries].
Philipson, Matthew. North-Eastern Bird studies : the Curlew and the Black Grouse. 14-22. [Birds].
Brown, Robert H. The Warblers. 23-32. [Birds].
Stokoe, Ralph. Siddick Ponds and its Birds. 33-74.
Blezard, E. Food of Birds.75-101
Blezard, E. The Birds of Lakeland: a second supplement. 102-135.
Blezard, E. The Presidents of the Carlisle Natural History Society. 136. [Biography].
Blezard, E. List of Members of the Carlisle Natural History Society.137-141.

1958 Transactions of the Carlisle Natural History Society. Vol 9. Editor : Blezard, E. Published by the Society. Thurnam & Sons, Carlisle.

Contents :-

Blezard, E. 1158-1958. [A brief history of Cumbrian Naturalists and the Society]. 7-8.
Blezard, E. The Birds of Lakeland : a Third Supplement. 9-54.
Blezard, E. Food of Birds. 55-62.

1962 Transactions of the Carlisle Natural History Society. Vol **10**. The Birds of the Lake Counties. Authors : Stokoe, Ralph and Blezard, E. Published by the Society. Charles Thurnam, Carlisle.

Contents :-

Stokoe, Ralph. Introduction. 7-11.
Stokoe, Ralph. The Birds of the Lake Counties. 13-120.
Stokoe, Ralph. Bird Migration at Grune Point. 121-127.
Blezard, E. Food of Birds. 129-136.

1967 Author : A, J. Lakeland Molluscs : a review. Naturalist. **903**, October-December. 140.

1967 Transactions of the Carlisle Natural History Society. Vol **11**. Lakeland Molluscs. Editor : Blezard, E. Published by the Society. Charles Thurnam, Carlisle.

Contents :-

Garnett, Marjory and Milne, Mary M. A Preliminary list of the Marine Mollusca of Lakeland. 11-47. [Molluscs].
Blezard, E. Non-Marine Mollusca of Lakeland : notes on their Distribution and on the occurrence of Molluscs in the Food of Birds. 48-74. [Molluscs].
(Details of this publications preparation and history are to be found in the Ernest Blezard Archives.Location :- Department of Natural Sciences, Tullie House Museum, Carlisle).

1974 Bird Report, Carlisle Natural History Society : 1972-73. Natural History in Cumbria, 1973. 17-19. Assn. Nat. Hist. Soc in Cumbria. [Birds].

1992 Plant Report : 1991. Carlisle Natural History Society. Submitted by Rhone, E.H. Birds in Cumbria, 1991. 89-90. Cumbria Naturalists Union. [Flora].

1994 Author : Clarke, D.J. The Centenary Conference : 25th September, 1993. The Carlisle Naturalist. **2**, (1), 5-6.

1994 Plant Report : 1993. Carlisle Natural History Society. Submitted by Naylor, Geoff. Birds in Cumbria, 1993. 84-85. Cumbria Naturalists Union. [Flora].

1995 Plant Report : 1994. Carlisle Natural History Society. Submitted by Naylor, Geoff. Birds in Cumbria, 1994. 86-87. Cumbria Naturalists Union. [Flora].

1995 Author : Hewitt, S.M. Request by the City Council for the Society to undertake a survey of the Kingmoor Nature Reserve. The Carlisle Naturalist. **3**, (1), 15.

1996 Author : Hewitt, Stephen M. Carlisle Natural History Society - the first hundred years. **In :-** Transactions of the Carlisle Natural History Society. **12**, (Centenary volume). 107-125. [Biography].

1996 Plant Report : 1995. Carlisle Natural History Society. Submitted by Naylor, Geoff. Birds and Wildlife in Cumbria, 1995. 81-82. Cumbria Naturalists Union. [Flora].

1996 Transactions of the Carlisle Natural History Society. Vol 12 (Centenary volume). Published by the Society. 0 9525252 0 8. Joint Editors : Clarke, David J and Hewitt, Stephen M.

Contents :-
Bellamy, David. Foreword. 1-2.
Editors Introduction. 3-4.
Halliday, Geoffrey. Changes in Cumbria's flora in the 20th Century. 5-14.
Naylor, Geoff. Cumbrian Butterflies since 1893. 15-26. [Lepidoptera] [Insects].
Clarke, David. Dragonflies in Cumbria - a centenary review. 27-38. [Odonata]. [Insects].
Key, Roger. Beetles and beetle recording in Cumbria. 39-50. [Coleoptera] [Insects].
Horne, Geoffrey. Birds of Prey in Cumbria. 51-76. [Raptors].
Webster, John. Mammals in Cumbria - a centenary review. 77-88.
Ratcliffe, Derek. Wildlife and its conservation in Cumbria. 89-106.
Hewitt, Stephen. Carlisle Natural History Society - the first hundred years. 107-126.
Ratcliffe, Derek. Ernest Blezard (1902-1970). 127-132.[Biography].
Contributors to this volume of the Transactions. 133-134.

1998 Author : Hewitt, Stephen M. Survey of river-shingle wildlife : a request for help from members of the Society. The Carlisle Naturalist. **6**, (2), Editorial.

2000 National Moth Night : an appeal to the Societies members to participate. The Carlisle Naturalist. **8**, (1), Editorial. [Lepidoptera] [Insects].

2001 Author : Celoria, Francis. The Reverend Hugh Alexander MacPherson, (1859-1901) : a life and bibliography. "(Naturalist and Ornithologist of Lakeland and Skye. Founding Father of Carlisle's Museum. Pillar and First President of the Carlisle Natural History Society)". Unpublished Thesis. [Birds] [Mammals] [Fish].

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1882 Contributions towards a list of the Fungi growing in the District around Carlisle. Transactions Cumberland Association for the Advancement of Literature and Science. 89-100. [Includes a list of edible fungi in the district].

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1927 Records of Collembola from Lancashire and Cheshire. [Includes one record for Grange-over-Sands collected by H. Britten]. Lancashire and Cheshire Fauna Committee. 13th Annual Report and Reports of the Recorders for 1926. 5. Buncle. [Insects].

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1885 Early nesting thrushes at Broughton Cross. Nat. Hist. Jnl. 25th April, 59. [Birds].

CARR, M.

1887 Great Northern Diver on the Solway. Nat. Hist. Jnl. 16th May, 85 (Possibly 86). [Birds].

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1891 Migrant table no 15. Nat. Hist. Jnl. 15 October, 136. [Location Bolton near Wigton]. [May also be responsible for Anon entries earlier in the bibliography].

1893 Notes from the Solway. Nat. Hist. Jnl. 15, June, 72-73. [Birds]. [Coast & Estuaries].

1889 A flock of three or four hundred Barnacle Geese on the Solway. Nat. Hist. Jnl. 15, November, 156. [Birds]. [Coast & Estuaries].

CARRICK, T. R.

1973 Joint Author : Sutcliffe, D.W. Studies on mountain streams in the English Lake District. I.pH Calcium and the distribution of invertebrates in the River Duddon. Freshwat. Biol. **3**, 437-462. [Rivers & Streams].

1979 The effect of acid water on the hatching of salmonid eggs. Jnl. Fish. Biol. **14**, 165-172. [Fish].

1981 Joint Authors : Sutcliffe, D.W. & **Carrick, T.R**. Effect of temperature on the duration of egg development, moulting and growth in juveniles of *Crangonyx pseudogracilis* (Crustacea :

Amphipoda) in the laboratory. Freshwater Biology. **11**, 511-522.

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1981 Joint Authors : Carrick, T.R., & Willoughby L.G. Effects of diet, body size, age and temperature of growth rates in the amphipod *Gammarus pulex*. Freshwater biology. **11**, 183-214.

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1983 "Plant Record **209/alb x 1** *Spiraea alba* Duroi x *S. Douglasii* Hook. Vice-County, Westmorland : between Butterwick and Beckfoot, North of Bampton. GR 35/51.19. Roadside. R.W.M. Corner, 1982, **LANC**, det, A.J.Silverside." Watsonia. **14**, (4), August, 423. [Flora].

1983 "Plant Record **325/8 x 12.** *Rumex longifolius* DC x *R. obtusifolius*. L. V.C. 70, Cumberland : South of Culgaith. GR 35/60.28, Roadside. R.W.M.Corner,1983, **LANC**, conf, D.H.Kent." Watsonia. **14**. (4), August, 426.[Flora].

1984 "Plant Record **1/2** *Lycopodiella inundata* (L.) Holub. V.C. 70, Cumberland. GR 35/-(to be completed). R.W.M.Corner, 1983, field record-only extant record. Watsonia. **15**, (2), August, 125. [Flora].

1984 "Plant Record **184/alp** *Laburnum alpinum* (Miller) Berchtold & Presl. V.C. 70, Cumberland : West of Pooley Bridge Pier, Ullswater. GR 35/46.24. Roadside. R.W.M.Corner, 1983, **LANC**. Watsonia. **15**, (2), August, 129. [Flora].

1984 "Plant Record **342/2** *Populus alba* L. x *P. tremula* L. (= *P. x canescens* (Ait.) sm.) V.C. 69, Westmorland : East side of A6 near Brougham, Penrith, GR 35/52.27. R.M.Corner, 1983, **LANC**. Also : V.C, Cumberland : South east of Hunsonby. GR 35/59.36. East side of B 5305, North of Catterlen, GR. 35/48.34. Both records by R.M.Corner, 1985, **LANC**. First and second Vice-county records. Watsonia. **15**, (2), August, 133. [Flora].

1985 "Plant Record **342/2** *Populus canescens* (Ait) Sm. V.C. 69, Westmorland : River Lyvennet,

Crossrigg Hall, Cliburn. GR 35/60.24. R.W.M.Corner, 1984, **LANC**." Watsonia.**15**, (4), July, 398. [Flora].

1985 "Plant Record **352/1** *Pernettya mucronata* (L.f.) Gaudich, ex Spreng. V.C. 70, Cumberland : Beacon Pike. GR. 35/52.31. Moor. R.W.M.Corner, 1984, **LANC**, second record, First Vice-county record." Watsonia. **15**, (4), July, 398. (See also C.D.Pigott (1985) and Sterne, E. (1985)). [Flora].

1985 "Plant Record **507/2** *Doronicum plantagineum* L. var. *Excelsum*. N.E.Brown. V.C. 70, Cumberland : East of Inglewood Bank. GR 35/53.34. Shaded roadside verge. R.W.M. Corner,1984, **LANC**, Det, A.,C.Leslie. First record of species." Watsonia.**15**, (4), July, 401. [Flora].

1985 "Plant Record **607/7** *Allium carinatum* L. V.C. 70, Cumberland : Inglewood Bank. GR 35/53.34. R.W.M. Corner, 1984, **LANC**, New Vice-county record." Watsonia. **15**, (4), July, 403. [Flora].

1986 "Plant Record **113/6 x 4** *Viola canina* L. x *V. riviniana* Reichb. V.C. 70, Cumberland : Greengill. GR 35/53.36. Sandy soil. R.W.M.Corner, 1985, **LANC**. New Vice-county record." Watsonia. **16**, (2), July, 184. [Flora].

1986 "Plant Record **231/L am** *Amelanchier lamarckii* F.G.Schroder. V.C, Cumberland : Beacon Hill, Penrith. GR 35/52.31. R.W.M.Corner, 1985, Second Vice-county record." Watsonia. **16**, (2), July,188. (For First Record see Groom, R.E. 1985). [Flora].

1986 "Plant Record **507/2** *Doronicum plantagineum* L. V.C. 70, Cumberland : West of Penton Station. GR 35/43.76. Roadside. R.W.M.Corner, 1985, **LANC**, Second record. Watsonia." **16**, (2), July, 193. [Flora].

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1988 "Plant Record **154/11** *Chenopodium murale* L. V.C. Cumberland : Great Salkeld. GR 35/55.36. Garden, R.W.M. Corner, 1982, **LANC**, det, J.M.Mullin. First record this century. Watsonia. **17**, (2), July, 186. [Flora].

1988 Plant Record **200/3** *Astragalus glycyphyllos* L. V.C. 70, Cumberland : West of Culgaith. GR 35/59.29. Basic bank. R.W.M. Corner, 1987, **LANC**." Watsonia. **17**, (2), July, 187. [Flora].

1988 Plant Record 343/ude. *Salix udenensis* Trautv, & Mey. 70, Cumberland : Viol Moor, Gr 35/59.40. R.W.M.Corner, 1985, Lanc, det R.D.Meikle. Watsonia. **17** (2), July, 1988.

1988 "Plant Record **343/5 x 9** *Salix triandra* L. x *S. viminalis* L. V.C. 69, Westmorland : Temple Sowerby Moss. G.R. 35/61.27. R.W.Corner, 1985, **LANC**, det, R.D.Meikle. First Vice-county record. Watsonia. **17**, (2), July, 190. [Flora].

1988 "Plant Record * *Brunnera macrophylla* (Adams) I.M.Johnston. V.C. 69, Westmorland : Gossrig Hall, Cliburn. GR 35/60.24. Well naturalized in grounds. R.W.M. Corner, 1984, **LANC**." Watsonia. **17**, (2), July,191. [*No identification number in text]. [Flora].

1988 "Plant Record **663/40** *Carex ornithopoda* Wild. V.C. 70, Cumberland : by River Eden, South of Armathwaite. GR 35/50.44. R.W. M. Corner, 1986, **LANC**. New Vice-county record." Watsonia **17**, (2), July, 196. [Flora].

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1989 "Plant Record (no ref number) *Darmera peltata* (Torrey) Voss. 70, Cumberland : River Eden, Nunnery Walks, Staffield. GR 35/52.43. Riverside. R.W.M. Corner. 1984. Lanc. First V.C. Record. Watsonia." **17**, (4), August, p472.

1989 "Plant Record **113/4 x 6** *Viola riviniana* Reichenb x *V. canina* L. V.C. 69, Westmorland : Firbank. G.R. 34/63.93 Riverside rocks. R.W.M.Corner, 1988, **LANC**, det, D.M.Moore. First Vice-county record." Watsonia. **17**, (4), August, 466.[Flora].

1989 "Plant Record **168/ibi x pla** *Geranium ibiricum* Cav x *G. platypetalum* Fischer & C.A.Meyer.

V.C. 70, Cumberland : Halfwaywell. G.R. 35/53.35. Roadside verge. R.W.M.Corner. 1987, **LANC**, det P.F.Yeo. First Vice-county record. Watsonia." **17**, (4), August, 467. [Flora].

1989 "Plant Record **198/1** *Robina pseudacacia* L. V.C. 70, Cumberland : Nunnery, Kirkoswald. G.R. 35/52.42 R.W.M.Corner. 1987, **LANC**. First Vice-county record." Watsonia. **17**, (4), August, 468. [Flora].

1989 "Plant Record (No record number). *Darmera peltata* (Torrey), Voss. V.C. 70, Cumberland : River Eden, Nunnery Walks. Staffield. G.R.35/52,43. Riverside. R.W.M. Corner.1987, **LANC**, New Vice-county record. Watsonia. **17**, (4), August, 472.[Flora].

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1929 Some stream birds of Cumberland. LMS Magazine. (No page number). [Subjects **Birds** : Dipper. Grey Wagtail. Kingfisher]. [[Rivers & Streams].

1930 Bird Notes from the Solway Firth, Part 1. 1928. North Western Naturalist. **5**, (3), September, 167-177. [Subjects : **Birds** : Pink-footed Goose. Mallard. Gadwall. Teal. Wigeon. Pochard. Tufted Duck. Goldeneye. Goosander. Redshank. Greenshank. Green Sandpiper]. [Coast & Estuaries].

1930 Bird Notes from the Solway Firth. Part 2. North Western Naturalist. **5**, (4), December, 231-235. [Subjects include : **Birds** : Bar-tailed Godwit. Curlew. Golden Plover. Lapwing. Common Gull. Black-headed Gull]. [Coast & Estuaries].

1930 Bird victims of the storm : a rare gull on the Solway. The Observers Opportunities. The "Parrot of the Sea". A rare oceanic visitor. Sabine's Gull. Carlisle Journal. 14th, February, 1930. [Subjects : **Birds** : Puffin (found at Gretna). Fulmar corpse. Sabine's Gull]. [Coasts & Estuaries].

1930 Galling of *Salix herbacea* (Least Willow) in Lakeland. North Western Naturalist. **5**, (4), 249. [Flora].

1930 Migration of Bar-tailed Godwits and other waders over Cumberland. North Western Naturalist. **5**, (3), September, 180-181. [Birds].

1930 Nature Notes. Carlisle Journal. 25th, April, 1930. Where do Owls nest? Novel housing sites in Birdland. [Subjects : **Birds** : Barn Owl. Long-eared Owl. Tawny Owl]. [Owl Nesting sites].

1930 Nature Notes. Carlisle Journal. 18th, July, 1930. A Cumberland Limberlost. [Subject : description of a wood above the Eden Valley. Large number of birds briefly mentioned. **Mammals** include : Roe Deer. Fox. Badger. Bats. Rabbits. Hedgehogs].

1930 Nature Notes. Carlisle Journal. 15th, August, 1930. Red Grouse. A Bird orchestra's early morning concert. The Grouse's natural enemies. [Subjects include : **Birds** : Red Grouse. Curlew. Golden Plover. Wheatear. Peregrine. Grouse disease. **Mammals** : Foxes]. [Raptors].

1930 Nature Notes, Carlisle Journal. 29th, August, 1930. Autumn Bird Movements. Departure of Summer Visitors. Local migration to the Solway. The invasion of Gulls. The arrivals from the far north. [Subjects : Birds : Migration. Willow Warblers. Chiffchaffs. Wood and Garden Warbler. Swallows. Martins. Swifts. Cuckoo. Wheatears. Golden Plover. Gulls. Godwit. Sanderling. Green Sandpipers]. [Coast & Estuaries].

1930 Our first nesting birds : The Raven, Heron and Woodcock : The home of the Dipper. The decrease in heronries. The shyness of Woodcock. Carlisle Journal. 28th, March, 1930. [Birds].

1930 The Pageant of Spring : Notes on bird life : the first notes of bird song. The awakening of nature.

Carlisle Journal 11th ? April, 1930. [Subjects include : **Birds** : Thrush. Skylark. Peewit. Robin. Hedge-sparrow. Great Tit. Black-headed Gull. Wood pigeon. Curlew. Heron. Woodcock. Owls. Lapwing. Carrion Crow. Wheatear. **Flora** : Coltsfoot. Tree Blossom. Speedwell. Wood Anemone].

1930 The Spring tenants of a Tarn : The Black-headed Gull. The Mallard and Teal. When the scene comes to life. The Shoveler and its methods. Carlisle Journal. 6th June. [Subjects : **Birds** : Black-headed Gull. Coot. Mallard. Moorhen. Pochard. Shoveler. Teal. Tufted Duck. Wigeon].

1931 Bird Notes from the Solway and Lakeland, 1929. North Western Naturalist. **6**, (4), 207-221. [Subjects : **Birds** : Raven. Rook. Ring Ouzel. Buzzard. Peregrine Falcon. Pink-footed Geese. Goldeneye. Goosander. Heron. Green Sandpiper. Curlew. Lapwing. Kittiwake. Slavonian Grebe. Black Grouse]. [Raptors]

1931 Common Seal on the Solway. North Western Naturalist. **6**, (3), September, 161. [Mammals].

1931 From Appleby to Carlisle by L.M.S. L.M.S Magazine. October. [No page number].

1931 The Lesser Shrew in Carlisle. North Western Naturalist. **6**, (3), September, 160. [Mammals].

1931 The Partridge : an interesting inhabitant of Cumberland. Carlisle Journal. 11th, September. [R.G Writing as "A Correspondent"]. [Birds].

1932 Bird Notes from the Solway, Pennines and Lakeland, Part 1.1930. North Western Naturalist. **7**, (2), 102-114. [Subjects : Birds : Raven. Peregrine Falcon. Rook. Starling. Bullfinch. Skylark. Meadow Pipit. Pied Flycatcher. Garden Warbler. Chiffchaff. Song Thrush. Blackbird. Ring Ouzel. Whinchat. Wheatear. Dipper. Great Spotted Woodpecker. Tawny Owl. Buzzard. Merlin. Pink-footed Goose. Gadwall]. [Raptors]. [Moorland & Upland].

1932 Bird Notes from the Solway, Pennines and Lakeland, Part 2.1930. North Western Naturalist. **7**, (3), 196-208.[Subjects : Birds : Teal. Wigeon. Shoveler. Pintail. Pochard. Scaup Duck. Goldeneye. Heron. Bittern. Woodcock. Redshank. Common Sandpiper. Bar-tailed Godwit. Curlew. Golden Plover. Lapwing. Oystercatcher. Lesser Black-backed Gull. Black-headed Gull. Black Tern. Coot].

1932 On the Solway Marsh at Whitsun : A host of noisy nesting birds. Carlisle Journal. 5th, May. [Subjects : Birds : Gulls nesting. Redshank. Oystercatcher. Green Sandpiper. Godwits. Grey Plover. Sanderling. **Flora** : Solway Turf. Sea-drift. Golden trefoil]. [Coast & Estuaries].

1933 Bird Notes from Solway, Pennines and Lakeland. Part 1.1931. North Western Naturalist. **8**, (2), 123-134.[Subjects : **Birds** : Raven. Rook. Meadow Pipit. Greenland Wheatear. Marsh Harrier. Buzzard. Peregrine Falcon. Pink-footed Goose. Wigeon. Shoveler]. [Raptors].

1933 Bird Notes from Solway, Pennines and Lakeland. Part 2. 1931. North Western Naturalist. **8**, (3), 212-222. [Subjects : Birds : Pochard. Tufted Duck. Goldeneye. Goosander. Redshank. Curlew. Golden Plover. Dottrel. Lapwing. Common Gull. Black-headed Gull].

1933 Captured Badgers - a letter to the Editor. 4th, April, Carlisle. Journal. [Mammals].

1933 The Roe Deer in Cumberland. Transactions of the Carlisle Natural History Society. **5**, 104-116. [Mammals].

1933 Waxwings in Carlisle. North Western Naturalist. **8**, (1), 49. [Birds].

1934 A scene on the Solway. Carlisle Journal.? 5th, May, 1934. [Subject : Pink-footed and Barnacle Geese]. [Birds]. [Coast and Estuaries].

1934 Ancient Red Deer Antler on a Solway Marsh. North Western Naturalist. **9**, (2), 151 and plate. [Mammals].

1934 Bird Notes from the Solway, Pennines and Lakeland. Part 1. 1932. North Western Naturalist. **9**, (1), 36-48. [Subjects : **Birds** : Raven. Peregrine Falcon. Carrion Crow. Snow Bunting. Meadow Pipit. Willow Tit. Garden Warbler. Blackcap Warbler. Redwing. Fieldfare. Redstart. Kingfisher. Barn Owl. Wheatear. Buzzard. Merlin]. [Raptors].

1934 Bird Notes from the Solway, Pennines and Lakeland. Part 2. 1932. North Western Naturalist. **9**, (2), 135-149. [Subjects : Birds : Grey Lag Goose. Pink-footed Goose. Mallard. Wigeon. Tufted Duck. Heron. Woodcock. Redshank. Curlew. Golden Plover. Lapwing. Common Gull. Lesser Black-backed Gull. Black-headed Gull]. [Coast and Estuaries].

1934 Black Swans : a pair on Carlisle ponds. Carlisle Journal. 20th, February. [Currock Park/Hammond Pond]. [Birds].

1934 The Summer Birds, where and when they were seen. Carlisle Journal. 18th May. [Subjects : Common Sandpiper. Corncrake. Cuckoo. Redstart. Ring Ouzel. Sand Martin. Swallow. Swift. Wheatear. Whitethroat].

1934 Winter Thrushes - Redwings and Fieldfares. Carlisle Journal. 15th December. [Birds]. [Migration].

1934 Winter Wildfowl on coasts and tarn. Carlisle Journal. 30th, November. [Solway]. [Subjects : **Birds** : Ducks. Geese. Goldeneye. Mallard. Pochard. Shoveler. Tufted Duck. Wigeon. Rivers Esk and Eden]. [Coast & Estuaries].

1935 Joint Author : Coombes, R.A.H. Changes in the distribution of British Grey Geese. Scottish Nat. **47**, 65. [Birds].

1935 Nature at a Locomotive Depot. L.M.S. Magazine. November.

1935 Ornithological Notes from the Solway, Pennines and Lakes, Part 1. 1934. North Western Naturalist. **10**, (2), 120-130. [Subjects include : **Birds** : Raven. Rook. Skylark. Meadow Pipit. Willow Tit. Great Spotted Woodpecker. Short-eared Owl. Buzzard. Sparrowhawk]. [Raptors].

1935 Ornithological Notes of the Solway, Pennines and Lakeland. Part 2. 1934. North Western Naturalist. **10**, (3), 201-212. [Subjects : **Birds** : Pink-footed Goose. Bewick's Swan. Teal. Wigeon. Shoveler. Pochard. Tufted Duck. Goosander. Heron. Glossy Ibis. Ruff. Green Sandpiper. Bar-tailed Godwit. Curlew].

1935 Swans, wild and otherwise. Carlisle Journal 15th, February, 1935. [Subjects : Mute, Whooper and Bewick Swan]. [Birds].

1935 The Gull's, Carlisle's Bird Company. Carlisle Journal. 4th January. [Subjects : Black-headed Gulls. Lesser Black-backed Gull. Common Gull]. [Birds].

1935 The Stirrings of Spring. Carlisle Journal. 15th, March, 1935. [Subjects include : **Birds** : Thrush. Skylark. Hedge-sparrow. Robin. Rook. Black-headed Gull. **Mammals** :Hedgehog. **Flora** : Hazel. Gorse].

1936 Familiar Birds : Springs home-coming. Carlisle Journal. 8th May. [Subject : Migration]. [Birds].

1936 Ornithological Notes from the Solway, Pennines and Lakeland., 1935. Part 1. North Western Naturalist. **11**, (2), 133-134. [Subjects : **Birds** : Raven. Heron. Golden Plover. Lapwing. Redstart. Curlew].

1936 Ornithological Notes from the Solway, Pennines and Lakeland. 1935. Part 2. North Western Naturalist. **11**, (3), 247-252. [Subjects : **Birds** : Curlew (Cont). Tufted Duck. Pochard. Wigeon. Coot]. [Birds].

1936 Ornithological Notes from the Solway, Pennines and Lakeland. Part 3. North Western Naturalist. **11**, (4), 349-354. [Subjects : **Birds** : Black Grouse. Stonechat. Cormorant. Buzzard. Kestrel. Oystercatcher]. [Raptors].

1936 The Badger in Cumberland. Carlisle Journal. 25th, June. [Mammals].

1937 Carlisle Literary Society. Report of a talk given by Ritson Graham on Bird Life. C. J. 30th January.

1937 Ornithological Notes from Lakeland, Solway and Pennines : 1936. North Western Naturalist. **12**, (3), 251-259. [Subjects include : **Birds** : Raven. Crossbill. Reed Bunting. Yellow Wagtail. Garden Warbler. Redwing. Blackbird. Ring Ouzel. Hedge Sparrow. Sand Martin. Sparrowhawk. Pink-footed Goose. Pochard. Common Scoter. Redshank. Oystercatcher. Black-headed Gull. Little Grebe]. [Raptors].

1937 Solway Adventure. The Marshes in mid-winter : Caught by the tide : Two miles of flooded marsh. The wild geese watched. Carlisle Journal. 26th, January, 1937. [Subject : **Birds** : Wild geese behaviour. Flooding]. [Coast & Estuaries].

1937 The Roe Deer : a native of Cumberland. The Animals Friend. November. (No page number given). [Mammals].

1937 The Skylark soars, Birds and Buds in February. Carlisle Journal. 19th February. [Subjects : **Birds** : Crows. Cuckoo. Skylark. Song Thrush. Winter Thrushes. **Flora** : Buckthorn. Celandine. Crocus. Hawthorn. Hazel. Snowdrops].

1939 A Lakeland Eyrie. Carlisle Journal. 26th, March. [Birds]. [Peregrine]. [Egg stealing]. [Raptors].

1939 Ornithological Notes from the Solway Firth, Pennines and Lakeland, 1938. North Western Naturalist. **14**, 118-124.

1939 The Red Squirrel. Carlisle Journal. 26th March. [Mammals].

1939 The "Hoggusts" as Lakeland landmarks. Carlisle Journal. 8th, July. [Hog Houses]. [Pigs]. [Mammals].

1943 Co-Editor. The Birds of Lakeland. Transactions of the Carlisle Natural History Society. Vol **6**.

1944 Birds of the Mosses. Carlisle Journal. 19th, May. [**Birds** : Black Grouse. Golden Plover. Gulls. Hen Harrier. Short-eared Owl. Also mentions briefly : **Mammals** : Polecat. Roe Deer). [Raptors].

1944 More Summer migrants. Carlisle Journal. 5th, May. [Birds].

1944 Peat Mosses. Carlisle Journal. 19th, May. [Birds]. [Flora].

1944 Reviewing the Migrants. Carlisle Journal. 19th, May. [Birds].

1944 The Redstart. Carlisle Journal. 5th May. [Birds].

1946 The Badger in Cumberland. Transactions of the Carlisle Natural History Society. **7**, 88-99. [Mammals].

1952 Onlooker : Incidental Notes, Carlisle Journal. 4th January :- Out in the storm. Roaring Oaks. Flooded fields. 'Cultivated Daisies'. Stray Dipper. Mouse-voiced birds. Birds in the wind. [Subjects include : **Birds**: Linnets. Lark. Dipper. Goldcrest. Redwing. Fieldfares. Lapwing (Peewit). Golden Plover. **Flora** : Daisies. Oaks. Watercress. Knapweed].

1952 Onlooker : Incidental Notes. Carlisle Journal. 11th January, 1952 :- Goosander again. Sad news. Beautiful bird. Favoured Rivers. Signs of Spring. Other Fry. [Subjects include :- **Birds** : Goosander. Song Thrush. **Fish** : Salmon & Sea Trout fry. North Cumberland]. [Birds]. [Fish].

1952 Onlooker. Incidental Notes. Carlisle Journal. 25th January,1952 :- Red Deer in Lakeland. In search of food. Body in Pool. Dawn Patrol. September Morning. Tragedy of Aira Force. Leaders of Harem. Disturbed by camera. [Subjects include :- **Mammals** : Red Deer. Lakeland. Gowbarrow Park].

1952 Onlooker : Incidental Notes. Carlisle Journal. 1st February, 1952 :- Winter walking. Rabbit catcher. In the woods. Hard times. Sun and Snow. Tracks in snow]. [Subjects include :- **Birds** : Jay. Curlew. Redwing. Fieldfares. Blackbirds. Woodcock. Wood pigeons. Rooks. Carrion Crows. Curlew / Heron tracks]. **Mammals** : Rabbits. Ferrets. Field Voles].

1952 Onlooker. Incidental Notes. Carlisle Journal. 8th February, 1952 :- Bird Protection. Wild Geese and Ducks. Non-existent eggs. Barnacle Geese. Visitors and Regulars. Geese from Iceland. [Subjects Include : **Birds** : Protection of Wild Ducks and Geese. Barnacle Geese. Pink-footed Geese. Solway]. [Coast & Estuaries].

1952 Onlooker : Incidental Notes. Carlisle Journal, 15th February, 1952 :- County's Coat of Arms. Grass of Parnassus. Roe Deer in Cumberland. Never extinct. In Roman times. Birds of the County. [Subjects include : **Birds**. **Flora** : Grass of Parnassus. **Mammals**. Roe Deer. North Cumberland. Kendal. Grange-over-Sands].

1952 Onlooker : Incidental Notes. Carlisle Journal, 22nd February, 1952. Far-travelled "Blackie". Bird had flown. Bird song. Song Periods Charts. The Thrush. [Subjects include : **Birds** : Blackbird. Kingfisher Song. Great Spotted Woodpecker. Bird Song. Railways and Wildlife].

1952 Onlooker : Incidental Notes. Carlisle Journal, 29th February,1952. Welcome week. Mild Weather. Walk at Dusk. Peewit Arrival. Permanent Changes. Disappearance of Woods. [Subjects include. **Birds** : Fieldfares. Wood Pigeon. Tawny Owl. Lapwing. Curlew. Reed Bunting. Redpoll. **Forestry** : Woodland clearance].

1952 Onlooker : Incidental Notes. Carlisle Journal. 7th March, 1952. Caught by the Cat (A Water Rail). Plumage of the Water Rail. A Mysterious Bird. Curious nesting cry. Seen on Solway. Old World Country (No location given). Lonely Wood. [Subjects : **Birds** : Lapwing/Peewits. Water Rail].

1952 Onlooker : Incidental Notes. Carlisle Journal 14th March, 1952. The Heronry Again. Nested 30 years. Woodpeckers "Drumming". Noisy Chase. Skybeck Wood. [Subjects include : **Birds** : Herons. Great-spotted Woodpecker. Redwing. **Mammals** : Roe Deer. Scrapings].

1952 Onlooker : Incidental Notes Carlisle Journal. 21st March,1952. Marsh Woodland. Waterhen. Close of Day. Badgers Busy. February Born. Tits Predominate. Kestrel Calling. [Subjects include : Celandine. Snowdrops. **Birds** : Waterhen/Moorhen. Tits. Fieldfares. Kestrel. **Mammals** : Badgers].

1952 Onlooker : Incidental Notes. Carlisle Journal. 29th March, 1952. On the Fells. By the Tarn. The Golden Plover. On the Heather Ground. Interesting Strangers. In the Valley. [Subjects include : North Pennines. **Birds** : Curlew. Peewits/Lapwings. Red Grouse. Woodcock. Skylark. Snipe. Tufted Duck].

1952 Onlooker : Incidental Notes. Carlisle Journal. 4th April, 1952. Rare Visitor. Butchers Bird. Grey Shrike in Cumberland. Whinsill. Pennine Ravens. Deserted Haunt. [Subjects include : **Birds** : Grey Shrike at Newcastleton. Ravens].

1952 Onlooker : Incidental Notes. Carlisle Journal. 11th April,1952. Oh! To be in England. At a Fieldgate.

Tale of a Tree. Moorland Tract. Wood Pigeons. [Subjects include : Northern Pennines. **Birds** : Skylarks. Snipe. Meadow Pipits. **Flora** : Trees : Black Poplar. Willow Trees].

1952 Onlooker : Incidental Notes. Carlisle Journal.18th April, 1952. On Cold Fell. Songs rising and falling. Memories of the Gair. A Bit of Tundra. Early Insect. Cairns. 2000 Feet Up. Moorland Plants. [Subjects include : Gair Mine. Gelt Valley. Cold Fell. **Birds** : Meadow Pipit. Skylarks. Merlin. **Flora** : Cloudberry. Cowberry/Red Whortle Berry]. [Raptors].

1952 Onlooker : Incidental Notes. Carlisle Journal. 25th April, 1952. On the Moors. Lambing Time. Carrion Crow Pest. Organised Shoot. Butterburn Linns. Remarkable Scenery. Remote Streams. Marvellous View. [Subjects include : **Birds** : Carrion Crow. Sheep. Kestrels. Stock Dove. Herons. **Mammals** : Sheep. Gilsland. River Irthing. Butterburn Linns].

1952 Onlooker : Incidental Notes. Carlisle Journal. 2nd May, 1952. To Padderburn. Moorland Farms. The Farm House. We talked and Smoked. Transport Solutions (Amphibious "Weasel" tracked Vehicle). Other Means. A Strange Device. House Martins. [Subjects include : **Birds** : House Martins. Mammals : Sheep. Pennine Life. Moor House Nature Reserve].

1952 Onlooker : Incidental Notes. Carlisle Journal. 9th, May,1952. The Heron Wood. Bewitching New Growth. Chiff-Chaff Newcomer. The Rain Bird. In Lakeland Country. Nesting Buzzards. Still Tenanted. An Odd Pair. Second Nest. Natural Rock Garden. [Subjects include : **Birds** : Buzzards. Herons. Chiff-Chaff. Green Woodpecker. Jackdaw. **Mammals** : Roe Deer Scrape.].

1952 Onlooker : Incidental Notes. Carlisle Journal. 16th, May, 1952. A Buzzard. Likely Locality. Interesting Discovery. Summer Migrants. Sea Swallows. Still To Come. First Visitors. Nettle Creeper. The Less Common. [Subjects include : Langwathby. Eden Valley. Solway. Ernest Blezard. Birds : Willow Warbler. House Martin. Sand Martin. Swift. Wood Warbler. Swallow. Terns. Flycatchers. Lapwing. Curlew. Redshank. Meadow Pipit. Skylark. Thrushes. Whitethroat. Grasshopper Warbler. Wheatear. Ring Ouzel. Cuckoo].

1952 Onlooker : Incidental Notes. Carlisle Journal. 23rd, May, 1952. The Corncrake. Return to Old Haunts. Cummersdale. Distinguishing Bats. Whiskered and Common (Bats). Non-nesting Birds. Ducks. Plovers. In a Chocolate Box. [Subjects include : **Birds** : Corncrake. Swans. Black-headed Gull. Herring Gulls. **Mammals** : Bats (Whiskered & Pipistrelle].

1952 Onlooker : Incidental Notes. Carlisle Journal. 30th May, 1952. Solway Marshes. Along the Creek. Scores of Nesters. The Terns. Lawn like Marsh. The Intruder. Postscript. Merganser. Male Colours. Shelduck. [Subjects include : **Birds** : Lapwing. Redshank. Oystercatchers. Terns. Black-headed Gulls. Skylark. Shelduck. Merganser. **Mammals** : Cattle grazing. **Flora** : Trefoil. Scurvy Grass].

1952 Onlooker : Incidental Notes. Carlisle Journal. 6th June,1952. Sunshine and Showers. Summer and Winter. Rowan and Man. Scenic Titbits. Sandpiper and Nest. Moorland Wrens. Merlin and Curlew. Ford and Bridges. Strange Visitor. Beyond Human Ken. [Subjects include : Crossfell. **Birds** : Carrion Crow. Cuckoo. Robins. Merlin. Curlew. **Flora** : Hawthorn. Rowan Trees].

1952 Onlooker : Incidental Notes. Carlisle Journal. 13th June,1952. Holidays Again. Greystoke Park. Back to Wild State. Buzzards nest. The Shy Roe-deer. [Subjects include : Roads & Tracks. Abbeyholme. Uldale. **Birds** : Buzzard. **Mammals** : Cattle. Roe Deer.].

1952 Onlooker : Incidental Notes. Carlisle Journal. 20th June,1952. Plant -life in the "Parks". Globe Flower. Birds-eye Primrose. Below Spar Well. A Sudden Spate (An Irthing phenomenon). [Subjects include : Greystone Park. River Irthing. **Flora** : Globe Flower. Birds-eye Primrose].

1952 Onlooker : Incidental Notes. Carlisle Journal. 27th June, 1952. Shot Spa. Ancient Rock Fall. The "Wow". Birds of the Bog. Cotton Grass. [Subjects Include : **Birds** : Reed Bunting. Sedge Warbler. Mallard. Salmon. Dunlin. Black-headed Gull. **Mammals** : Fox. **Flora** : Horse-tail. Cottongrass].

1952 Onlooker : Incidental Notes. Carlisle Journal. 4th July, 1952. Horseholme. Farm Dates. Back to the Plough. Miles of Moor. Late 18th Century Ruin. What Purpose. [Subjects include : Agriculture. North Cumberland Moor and Landscape. Burn Divot. River Irthing. **Birds** : Pied Wagtail].

1952 Onlooker : Incidental Notes. 11th July, 1952. The Lonely Sycamore Tree. The Irthing. Snug Little "Stell". Birds on the Beck. Lampent Woods. The Black Grouse. Spy Cragg. [Subjects include : Irthing. **Birds** : Sandpipers. Dipper. Grey Wagtail. Kestrel. Black Grouse]. [Raptors].

1952 Onlooker : Incidental Notes. Carlisle Journal. 18th July, 1952. At White Hill. Another Wader. Johnny's Craggs. In Northumberland. Paddaburn Craggs. The Inside Land. [Subjects include : **Birds** : Dunlin. Redshank. Ring Ouzel. Red Grouse].

1952 Onlooker : Incidental Notes. Carlisle Journal. 26th July, 1952. From Sighty Crag. Stranded Pigeon. Sighty Fell. Cock Birds Ruse. Moorland wild fruit. From Solway Moss. The Crowberry. From Paddaburn. By Gair Burn. [Subjects include : **Birds** : Homing Pigeons. **Flora** : Cloudberry. Cranberry. Crowberry. Red Whortleberry].

1952 Onlooker : Incidental Notes. Carlisle Journal. 1st August, 1952. To Christenbury. More Moorland Birds. Brown Owl. Cuckoo. Encroaching Forest. Last House. The Old Plough. Strange Voice. Ancient Earthwork. Chaotic Collection. [Subjects include : **Birds**: Golden Plover. Short-eared Owl. Raven].

1952 Onlooker : Incidental Notes. Carlisle Journal. 8th August, 1952. I Choose the Woods. August Birds. Roe Deer. Injured? Short-sighted. A Looking Match. What purpose. Squirrel Pair. Bad Temper. [Subjects include : **Birds** : Bar-tailed Godwits. Green Sandpiper. Golden Plover. **Mammals** : Roe Deer. Red Squirrels].].

1952 Onlooker : Incidental Notes. Carlisle Journal. 15th August, 1952. Stoat and Rabbit. Savage Little Killer. Another Encounter. Colour Variation. Behaviour of Carp. Like Submarines. Autumn Evening. Gulls over Corn. To and From the Solway. [Subjects include : **Birds** : Gulls. **Mammals** : Stoats. Rabbits. **Fish** : Carp].

1952 Onlooker : Incidental Notes. Carlisle Journal. 22nd August, 1952. Fellside Summer. Late Maturity. Heathers and Rowan. Bees and Butterflies. Lingering Birds. Green Roads. Blackcock Tail. Remarkable feature. Eclipse. Fellside Flowers. Gorse in Bloom. [Subjects include : Moorland. **Birds** : Spotted Flycatcher. Willow Warbler. Meadow Pipit. Ring Ouzel. Dipper. Kestrel. Blackcock. **Butterflies** : Peacock. Whites. Small Heath. **Flora** : Mountain Ash, Rowan. Gorse].

1952 Onlooker : Incidental Notes. Carlisle Journal. 29th August, 1952. Vanishing Woodlands. Our Natural Forest. The Last of Them. A "Wonderland". Like Inglewood. Strange World. Woodland Voices. Ubiquitous Robin. Roe Deer. Basking Squirrel. [Subjects include : Forest Decline. **Mammals** : Red Squirrel. Roe Deer].

1952 Onlooker : Incidental Notes. Carlisle Journal. 5th September,1952. The Last Load. Jewels of the Birchwood. Owls and Engines. Swallow Flocks. Autumn Flitting. [Subjects include : Steam Locomotive Sheds. Harvest. **Birds** : Short-eared Owl. Lapwings. Black-headed Gull. Redshank. Dunlin. **Fungi** : Boletus. Fly Agaric. **Mammals** : Scotch Hare].

1952 Onlooker : Incidental Notes. Carlisle Journal. 12th September, 1952. Flooded Marsh. At Rockcliffe. Tide and Gale. Guarding the Herd. Rarely Absent. Plovers. Curlews. The Ebb. Birds of Passage. Different Voice. Flying Visitors. [Subjects include : Esk. Eden. Solway. **Birds** : Green Sandpipers. Common Sandpipers. Wheatear. **Mammals** : Cattle].

1952 Onlooker : Incidental Notes. Carlisle Journal. 19th September, 1952. Swallows Roost. Coming Down. Twisting and Darting. The Heather Now. Crane in Cumberland. Seen by Shepherds. Escaped from Captivity. [Subjects include : R.W.Robson. **Birds** : Swallows. Black-headed Gull. Lapwing. Possible Crane record at Grindon Hill. **Fungi** : Fly Agaric. **Trees** : Scots Pine].

1952 Onlooker : Incidental Notes. Carlisle Journal. 26th September, 1952. Blind as a Bat. Dozen Species. Sound Waves. Cage Bird. The Valley Wood. Anglers Catch. Owls Serenade. Night Scene. Linnet Flock. Strange Fellow Traveller. Cage Bird. The Valley Wood. [Subjects include : **Birds** : Tawny Owl. Linnets. Mammals : Bats near Carlisle. Daubentons Bat.].

1952 Onlooker : Incidental Notes. Carlisle Journal. 3rd October, 1952. Glorious Technicolor. Fiery Autumn. Wonderful Mosaic. Squirrels and Nuts. Animal Harvester. Fell Birds. "Grieve's Castle". Lambing Time Relics. [Subjects include : Northern Pennines. **Birds** : Mistle Thrush (Also Known as Mountain Thrush). Blackbirds. Blackcocks. Meadow Pipits. **Mammals** : Red Squirrel. Sheep Folds. **Flora** : Bracken. **Trees** : Rowan Trees.].

1952 Onlooker : Incidental Notes. Carlisle Journal. 10th, October, 1952. A Moorland Tarn. "Surface Ducks". Coot Query. Chestnut Heads. Tufted Ducks? Bewick's Swan. Record Early Visitor. Fell Tracks. Empty Cottages. [Subjects include : Birds : Mallard. Coot Migrants. Pochards. Bewick's Swan. Possible Tufted Ducks].

1952 Onlooker : Incidental Notes. Carlisle Journal. 17th October, 1952. October Woodlands. Duck or Drake. Conkers. Acorn Harvest. Thunder Flowers. Coal Tits. First Redwings. [Subjects Include : **Birds** : Wood Pigeons. Rooks. Moulting. **Flora** : White or Evening Campion. Red Campion. Creeping Buttercup. Elderberries. **Trees** : Holly Sweet Chestnuts. Oak. Crab-apple Trees].

1952 Onlooker : Incidental Notes. Carlisle Journal. 24th October.1952. Beauty in a Railway Yard.

Hill-beck Bird. Kingfisher too. Taken for a Ride. Croglin Gorge. Pipits here again. Sweet and Plaintive. Source of Attraction. [Subjects include : River Caldew. Sandstone Landscape. Nunnery Walks. **Birds** : Goldfinches. Grey Wagtail. **Flora** : Hawkweed.].

1952 Onlooker : Incidental Notes. Carlisle Journal. 31st October, 1952. Killed by Loco Corn Bunting (with an account of their presence in the Carlisle area). Grey Geese of Solway. Three Kinds. Changes in Half a Century. Prevailing Pinkfoot. Barnacle Goose. Geese are Grazers. Favourite Haunts. Eastward Bound. [Subjects include : Solway. Rockcliffe Marsh. **Birds** : Corn Bunting. Greylag Goose. Bean Goose. White-fronted Goose. Brent Goose].

1952 Onlooker : Incidental Notes. Carlisle Journal. 8th November, 1952. Autumn Song Bird. Skylark and Thrush. Moonlight Ramble. Birds came Home. Redwings Cry. Red for Danger. Drifting Gulls. [Subjects include : **Birds** : Birdsong in Autumn. Skylark. Winter Thrushes. Song Thrush. Roosts. Partridge. Gulls. Curlew. **Fungi** : Fly Agaric. **Trees** : Beech. Birch].

1952 Onlooker : Incidental Notes. Carlisle Journal. 14th November,1952. Waifs of the Storm. Carlisle Victim. "Wreck of Petrels". Fork-tailed Variety. Curious Birds. 200 Miles from the Eggs. Mother Carey's Chickens. Tullie House Treasure. [Subjects include : **Birds** : Storm Petrel. Leach's Petrel. Frigate Petrel donated to Tullie House in 1890].

1952 Onlooker : Incidental Notes. Carlisle Journal. 21st November, 1952. Drear November. T'old Cottage. After the Rabbits. Just for Oorsel's. Inquisitive Cattle. Lying out. Clearing the Coppice. Woodpecker Wood. Rabbit Catcher. [Subjects include : Poaching. Freeman's Well Wood. **Mammals** : Rabbits. Snares. Ferrets. Cattle].

1952 Onlooker : Incidental Notes. Carlisle Journal. 28th November, 1952. Walking in the Dark. Beyond the Last Lamp. Glow in the West. Roadside Beck. Hedge-song Bird Babble. "The Ole Hoose". 1692 Date stone. Interior Features.[Subjects include : Country Walks. Darkness of Sky. Iron Works. Derelict Farm House].

1952 Onlooker : Incidental Notes. Carlisle Journal. 5th December, 1952. Frozen Countryside. Colour in Winter. Single Robin. Big Blackbirds. Hanging Kestrel. Arctic Woodlands. Badger Earth's. New Homes. Frozen Fern. Fellow Rover. [Subjects include : Upperby Park, Carlisle. **Birds** : Robin Territory. Yellow Buntings. Kestrel. **Flora** : Lady Fern. Buckler Fern]. [Raptors].

1952 Onlooker : Incidental Notes. Carlisle Journal. 12th December, 1952. Bird Casualty List. Oiled Victims. Rare Phalarope. Seen on Solway. Winter Brambling. The Same Haunt. Mysterious Behaviour. [Subjects include : Ernest Blezard. Carlisle Natural History Society. Ralph Stokoe. Bunkers Hill. **Birds** : Fork-tailed Petrel "Wreck". Grey Phalarope Migration. Brambling Flocks. Chaffinches. Waxwings].

1952 Onlooker : Incidental Notes. Carlisle Journal. 19th December, 1952. More about Oiled Birds. Quarter of a Million. Method of Cleaning. In the Nearest Wood. Threshing Beans. "Soft Grun". Jays and Tits. A Buzzard. Protesting Rooks. [Subjects include : Oil Pollution. Bean Harvest. Threshing Machine. **Birds** : Golden Plovers. Jay. Tits. Rooks. Buzzard].

1952 Carlisle Journal. 26th December, 1952. A Naturalist's Christmas : Stalking Wild Geese. Wondrous procession of thousands. Moving a Flock. Co-operation. Ruse Successful. Now the Stalk Begins. Doggo. Binoculars now. Unfortunate Move. [Subjects include : Solway. Wildfowling. Estuaries of the Esk and Eden. Stalking. Solway Estuary. **Birds** : Wild Geese. Flora : Marsh Grass.].

1952 Onlooker : Incidental Notes. Carlisle Journal. 26th December, 1952. To Horseholme. From Moscow (Weather). Ravens on the Moor. "No slack time". Daily Round. Christmas Dinner. [Subjects : Collecting Christmas Geese from Gilsland. **Birds** : Ravens. **Mammals**. Sheep Farmers/ Shepherds. Climate : Frozen Rivers. Winter Snow and Ice].

1953 Onlooker : Carlisle Journal. 2nd January, 1953. A shower of Spiders. A Naturalists Comments on a Phenomenon - (An account of a shower of spiders reported in the Carlisle Journal 5th October, 1869. [Subject : **Insects** : Spiders floating from the sky. Also Brief reference to a Bee that catches spiders observed on the Moors].

1953 Onlooker : Incidental Notes. Carlisle Journal. 2nd January, 1953. Old Haunts. On the Stubble. Down the Lane. Holly Berries. Pond in the Wood. Kingfisher Haunt. Birds on the Beck. In the Gloaming. Seasonable Solitude. [Subjects include : Gilsland Moor. Upperby Park, Carlisle. **Birds** : Tufted Duck. Mallard. Coot. Moorhen. Yellow Bunting. Linnets. Wood Pigeons. Blackbird. Fieldfare. Redwing. Kingfisher. Rabbits. Bullfinch. **Flora** : Holly].

1953 Onlooker : Incidental Notes. Carlisle Journal. 9th January, 1953. Winter Weekend. A Stoat Appears. Chase Interrupted. The Long Trail. Like Runners and Horses. Circular Tour. Following

the Gorge. Mountain Linnet. Wonderful Waterfall. [Subjects include : Gilsland Moor. **Birds** : Blackcock. Carrion Crow. Twite. Blackcock. Twite. **Mammals** : Stoats. Rabbits. Climate : Snow].

1953 Onlooker : Incidental Notes. Carlisle Journal. 16th January, 1953. Moorland Sheep. Shepherds talk. Young Otters in Winter. Return Journey. Through Hazy Half light. Strange Birds. Recognition. Evening Star. Warwick Road Wagtail. [Subjects include : Sheep Farming. Otter. Snow. Great Black-backed Gull. Grey Wagtail].

1953 Onlooker : Incidental Notes. Carlisle Journal. 23rd January, 1953. Local Field Notes. Years in Review. Natural History Value. Another Instance. Opinions Wanted. Solway Sight. Mammals as well. Thirty Years Work. [Subjects include : Recording Local Field Notes. Carlisle Natural History Society. **Birds** : Cuckoos. Red Grouse. Golden Plover. Roe Deer. Red-breasted Mergansers. Bewick's Swan].

1953 Onlooker : Incidental Notes. Carlisle Journal. 30th January, 1953. Birdsong in January. Nature's New Year. Thrush's Return. New Songster. Trees and Flowers. Solitary Snowdrop. Snow Bunting. Where they Came From. Jutland and Lapland. [Subjects include : **Birds** : Thrushes. Blackbirds. Skylarks. Bird ringing and migration. **Flora** : Hazel Catkin. Crocus. Snowdrops].

1953 Onlooker : Incidental Notes. Carlisle Journal. 6th February, 1953. False promise. Worst of Winters. In the Snowdrop Glade. Pulse of Spring. In the Wood. Among the Beeches. [Subjects include : Winter landscape and weather. **Birds** : Water Ouzels. **Mammals** : Roe Deer Trail. **Flora** : Early Honeysuckle. Dog's Mercury. Snowdrops. Hart's Tongue Ferns. Hazel Catkins. Birds and Beech Mast's].

1953 Onlooker : Incidental Notes. Carlisle Journal. 13th February, 1953. Early Nesting Birds. Cast shells. [Heron Egg] Faithful Ravens. Quarter Century Back. Memorable Visit. Solitude and Silence. Homeward Trek. [Subjects include : **Birds** : Heron nesting habits. Lakeland Ravens. **Climate** : Snow].

1953 Onlooker : Incidental Notes. Carlisle Journal. 20th February, 1953. Despite the Blizzard. Meadow Pipits. Returning Wild Geese. City Kestrel. City Guise. Eye on the Hawthorn. Gulls at the Tip. Geese Gathering. [Subjects include : **Birds** : Meadow Pipit. Wild Geese. Kestrels in Carlisle. Herring Gulls on Rubbish Tips. **Flora** : Hawthorne Buds].

1953 Onlooker : Incidental Notes. Carlisle Journal. 27th February, 1953. One Fine Day. Sun on the Surface. Down the Lonning. Peewits Return. Spring Scene. Evening Calm. Incautious Bird. [Subjects include : **Birds** : Skylarks. Pheasants. Bird song - dusk chorus. **Mammals** : Water Voles. Rabbits. **Flora** : Coppice Work. "Pussy-Willow". Dog's Mercury].

1953 Onlooker : Incidental Notes. Carlisle Journal. 6th March,1953. Peewits Return and Curlews. Disused Quarry. Snowdrops. Relic of the Past. Woodpeckers . Heron Flight. Badgers Gone? By the Beck. Home-going. [Subjects include : Carlisle New Market. Disused rubbish pits. Sand quarries. **Birds** : Peewits/Lapwing. Curlew. Great-spotted Woodpecker. Herons. Common Gulls. **Mammals** : Badgers Earth. **Flora** : Celandine. Snowdrops. Hart's-tongue Fern. Bluebells].

1953 Onlooker : Incidental Notes. Carlisle Journal. 13th March, 1953. Moors in March. Fells in Fine Fettle. Few Peewits. Absent Pipits. Red and Black Grouse. First Frog Spawn. Where Winter Lingers On. [Subjects include : **Birds** : Ravens. Peewits/Lapwing. Black-headed Gulls. Meadow Pipits.(or Heather Lintie). Dippers. Water Ouzel. **Amphibians** : Frog Spawn. **Mammals** : Sheep "Heaf". **Flora** : Celandines.].

1953 Onlooker : Incidental Notes. Carlisle Journal. 20th March,1953. Weather "Good" and "Bad". Seen from a Bus. Fewer Peewits/Lapwing. Effect of the Tractor? Common Gulls. East and West. Fieldfare Flock. [Subjects include : Solway. Farm mechanisation. Birds : Peewits. Common Gulls. Fieldfare Flock (Approx 500-600)].

1953 Onlooker : Incidental Notes. Carlisle Journal. 27th March, 1953. Wonderful Weekend. Misty Morning. In the Gorge. Shot Scar. Into the Sunlight. Moor-burning. Moorland Birds. Seven Lynns. Muckle Samuel. [Subjects include :- North Cumberland Moors. Gilsland. Irthing Gorge. Horseholme. Shot Scar. Cramel Gorge. Birds : Jackdaws. Stock Doves. Dipper. Golden Plover. Skylark. Meadow Pipit. **Mammals** : Foxes. **Flora** : Ferns. Spleenwort.].

1953 Onlooker : Incidental Notes. Carlisle Journal. 10th April, 1953. Where Heron's Nest. Less Popular Haunts. Heronries past and present. Birds in the Wind. Deer Disturbed. Woodland Laughter. Rival Rooks. [Subjects include : **Birds** : Herons. Rooks. Roe Deer scrapings. Green Woodpecker. Rookeries. Rook/Heron conflicts. **Mammals** : Roe Deer scrapings].

1953 Onlooker : Incidental Notes. Carlisle Journal. 17th April, 1953. Easter Weekend. Winter to Spring. Fell Beck. Pair of Buzzards. Under View. Outstanding Features. Dignity to Imprudence. Where I Sat. and photographs. [Subjects include : Snow. Becks/Streams. Buzzards. Carrion Crow. Red Grouse. Flora : Larch Trees. Mossy Saxifrage].

1953 Onlooker : Incidental Notes. Carlisle Journal. 24th April.1953. Oh! To be in England. Snow and Sunshine. Cooing Chorus. Gulls and Snipe. Woodcock. Peewits and Plover. [Subjects include :- **Birds** : Wood Pigeon. Green Woodpecker. Common Gulls. Snipe. Woodcock. Redshank. Oystercatcher. Peewit/Lapwing. Golden Plover. **Flora** : Spring Vegetation. Coppice].

1953 Onlooker : Incidental Notes. Carlisle Journal. 1st May, 1953. A Stranger. In a Strange Land. First Corncrake. Cuckoo. Glint of Solway. [Subjects include : **Birds** : Wheatear. Swallow. Corncrake. Cuckoo. Redstart. Flora : Spring vegetation].

1953 Onlooker : Incidental Notes. Carlisle Journal. 8th May, 1953. A Fell Tarn. Blithe Spirits. The Crying, Peewit. Shore Waders. Handsome Plovers. The Plovers Eggs. [Subjects include : **Birds** : Skylark. Peewit/Lapwing. Dunlin. Golden Plover].

1953 Onlooker : Incidental Notes. Carlisle Journal. 15th May, 1953. Uncommon Visitor. Canary Yellow. Tricksters. Helm Bar. At Any Time. [Subjects include : **Birds** : Reed Bunting. Water Rail. Yellow Wagtail. **Climate** : Helm Wind].

1953 Onlooker : Incidental Notes. Carlisle Journal. 29th May, 1953. Beyond Roanhead. Rare Nesting. Hen Harrier. Wigeon. Raven. Cuckoos and Plovers. [Subjects include : **Birds** : Hen Harrier. Wigeon. Raven. Cuckoo. Plover].

1953 Onlooker : Incidental Notes. Carlisle Journal. 5th June, 1953. To Todcrag Lough. Fox Crag. Bumble Bees. The Cloudberry. Beck-side Birds. [Subjects include : **Birds** : Grey Wagtails. **Insects** : Bumble Bee (*Bumbus lucorum*). **Flora** : Bilberry. Cloudberry].].

1953 Onlooker : Incidental Notes. Carlisle Journal. 12th June, 1953. The Long Bar. Bewcastle Cross. Where it Came From. Rare Treasure. Peat Cutting. Job for Two. No Coal Needed. Ever-open-door. [Subjects include : Bewcastle Cross. Sighty Fell. Peat Cutting. Remote Country Living].

1953 Onlooker : Incidental Notes. Carlisle Journal. 19th June, 1953. The Croft at Paddaburn. Doubling the Miles. Homes of the Past. Stock Dove and Butterflies. Encroaching Forestry. A Long, Steady Climb. Moorland Birds. [Subjects include : Fettle Hall. Christianbury Fell. **Birds** : Meadow Pipits (Titlark). Stock Doves. Skylark. Red Grouse. **Insects** : Hibernating Butterflies (Peacock and Tortoiseshell). **Mammals** : Wild Goats].

1953 Onlooker : Incidental Notes. Carlisle Journal. 6th June, 1953. Down the Fell. Wonderful View. The Birth of the Becks. A Forsaken Cottage. No More Swallows. Teal's Nest. A Neat Affair. [Subjects include : Slighty Fell Range. Tarnbeck. Gairburn. **Birds** : Swallows. Teal. Mallard.].

1953 Onlooker : Incidental Notes. Carlisle Journal. 3rd July, 1953. Sheep Farms. Flows and Mosses. Nesting Gulls. White Hill. The Bulrush. The Water Plant. Golden Plover. [Subjects include : Paddaburn. Redsike. Peat Mosses. Hitchens Crook. Cloak Pool. Kettle Pool. "Log Water". Watendlath Tarn. **Birds** : Black-headed Gulls. **Flora** : Reed Mace. Cotton Grass. Globe Flower].

1953 Onlooker : Incidental Notes. Carlisle Journal. 10th June, 1953. Mysterious Mounds. "Summer Sheilings". Annual herding. Bad Weather. Voices in the Mist. An Enchanted Scene. The Hidden Road. A Deception. [Subjects include : White Hill. Mounds. Paddaburn. **Birds** : Golden Plover. Kestrel. Stock Dove Mammals : Sheep. Cattle]. [Raptors].

1953 Onlooker : Incidental Notes. Carlisle Journal. 17th July, 1953. Contrasts. The Solway. Dual Haunts. Curlews. Quite at Home. No Explanation. Characteristics. Never out of Sight. [Subjects include : **Birds** :Golden Plover. Curlew. Dunlin. Redshank. Oystercatcher. The reliance of birds upon different environments during the year].

1953 Onlooker : Incidental Notes. Carlisle Journal. 24th July, 1953. A Snug Hut. Strange Bird. The Black Tern. Made to Measure. Ways of the Waders. Sociable Birds. Changing Conditions. Goosanders. [Subjects include : Solway. **Birds** : Black Tern. Dunlin. Ringed Plover. Oystercatchers. Redshank. Goosanders. **Flora** : Golden Trefoil].].

1953 Onlooker : Incidental Notes. Carlisle Journal. 31st June, 1953. A Day Off. A Badger Earth. They Stayed. Critical. Roe Deer. Hidden. Fox Tracks. [Subjects include : **Birds** : Buzzard. **Mammals** : Badgers. Roe Deer. Fox]. [Raptors].

1953 Onlooker : Incidental Notes. Carlisle Journal. 7th August, 1953. A Curious Landmark. Ice Age Relic. Dropped Quite Soon. From Shap to York. Corner Seats . Other Evidence in the forest. [Subjects

include : Geology. Boulder Rocks. Shap Granite. Boulder Clay. Drumlins. Brampton. Crofton. **Flora** : Yellow Rock-rose. Thyme. Marsh Thistle].

1953. Onlooker : Incidental Notes. Carlisle Journal. 14th August, 1953. A Buzzard. Like a Star. A Nest. New Bird. Wild Strawberries. Stony Becks. Dragonflies. Butterflies. [Subjects include : **Birds** : Buzzards. Whinchat. Insects : *Aeshna cyanea*. Large Red Damsel. Marsh Fritillary. Butterfly. High Brown Fritillary Butterfly. **Flora** : Wild Strawberries]. [Raptors].

1953 Onlooker : Incidental Notes. Carlisle Journal. 21st August, 1953. Glorious Twelfth. Warning. Labour saving. Wheat. Potatoes. An Old Road. A Green Lane. Impassable Tangle. Cat and Kitten. Beautiful Berries. Ready to Leave. [Subjects include : Harvest. Winter Wheat. Potatoes. **Birds** : Common Gulls. Peewits/Lapwings. **Mammals** : Cats and Kittens. **Flora** : Guilder Rose Hips].

1953 Onlooker : Incidental Notes. Carlisle Journal. 28th August, 1953. The Fells After Rain. Music of the Water. Rich in Colour. Talkative Beck. Summer Beauties. Stately Flower. Red Grouse. Curlew. Peewits. First Woodpecker. [Subjects include : "Cosh" Re-discovered. Precious Pipe. Flooded Streams./Becks. **Birds** : Red Grouse. Peewits/Lapwings. Kestrel. Blackcock. Green Woodpecker. **Flora** : Grass of Parnassus. Thyme. Sheeps-bit-Scabious]. [Raptor].

1953 Onlooker : Incidental Notes. Carlisle Journal. 4th September, 1953. To the Woods. Fine Beeches. Woodpecker Haunt. A Buzzard. Stranger. Same One? Not Laughing. [Subjects include : **Birds** : Green Woodpecker. Buzzard. **Trees** : Beech]. [Raptors].

1953 Onlooker : Incidental Notes. Carlisle Journal. 11th September, 1953. A Rare Event in the Life of a Naturalist. A Greenshank. Uncommon. Seeking Food. Tense Uncertainty. Sharp Stabs. Unafraid. Complete Confidence. A Third Visitor. Conflict. Falcon. How it Happened. Hungry. Instant Death. Back Again. Dignified Exit. [Subjects include : Solway. Rockcliffe. Birds : Greenshank. Peregrine Falcon (Immature)]. [Raptors].

1953 Onlooker : Incidental Notes. Carlisle Journal. 18th September, 1953. Another Greenshank on the Solway Marshes. Home Made Jam. Swirling Tide. The "Brow-edge". Arresting Note. Wings Raised. Over the Grey Water. Shore-shooters. Goosanders. Calling the Cows. [Subjects include : Solway. Tides. **Birds** : Greenshanks. Goosanders. **Mammals** : Cattle. **Flora** : Brambles].

1953 Onlooker delves into the weeks postbag. Young Shepherd. Book of Birds. A Rare Bird. Never Alive. It's Family. Rare Visitor. Like a Corncrake. Good Condition. Wheatear in City. A Wanderer. Goosanders. [Subjects include : Ernest Blezard. **Birds** : Spotted Quake. Great-crested Grebe. Goosander].

1953 Carlisle Journal. 2nd October, 1953. "Onlooker" describes a little girls rare find. From Africa. A Large Tin. Something New. Year's Absence. Wing Span of Five Inches. Faded Specimens. Green to Brown. The Wings. And pays a Tribute to Mr Robert Service Forsythe - a portrait of a Great Naturalist. [Subjects include. **Insects** : Oleander Hawkmoth].

1953 Carlisle Journal. 9th October, 1953. "Onlooker" writes of an extraordinary sight. Spread Out. Many Birds. About 30,000. Black and White. They Band Together. Not Easy to Explain. Non-Nesters. And an Unsavoury parcel. Little Tern. Sea Swallows. Found on Fell. [Subjects include :- Solway Estuary. Birds : Waders. Oystercatchers. Golden Plover. Curlew. Peewits/Lapwings. Dunlin. Godwits. Sanderling. Knot. "Flocking behaviour"].

1953 Carlisle Journal : 16th October, 1953. "Onlooker" describes a unique occasion. All Day Business. Sixty-two Entries. What they do. Three Sheep, One Dog. Critical Part. With Speed. The Climax. They Close in. [Subjects include : Horseholme. Gilsland]. **Mammals** : Sheepdog Trials. Sheep. Sheepdogs].

1953 Carlisle Journal. 23rd October, 1953. The Moors and Fells in Autumn described by Onlooker. Not Alone. A Fox. White Tailed. Less Red. Redwings. An Uncommon Plant. In Geltsdale. More Varied. Fieldfares attracted by Berries. Woodpeckers [Subjects include : Indian Summer. Gilsland. River Irthing. Geltsdale Valley. **Birds** : Redwing. Great-spotted Woodpecker. Green Woodpecker. Fieldfares. **Mammals** : Black-faced Sheep. Fox. **Flora** : Grass of Parnassus. Bracken. **Trees** : Alder. Ash. Rowan].

1953 Carlisle Journal. 30th October, 1953. Onlooker A An Interesting Day on the Solway Shore. A Fine Day. Greenshank Again. "Cut Yeat". Thousand Birds. East Whins. Colour at Eventide. Frantic Stoat. Great Again. Wonderful Inheritance. [Subjects include : Solway. Tides. **Birds** : Massed Waders. Greenshank. Oystercatchers. Great Black-backed Gull. **Mammals** : Stoat].

1953 Carlisle Journal. 6th November, 1953. Onlooker Wanders Through the Tree Belt Which Surrounds

Carlisle. Old Inglewood. Colour and Contrast. A Burning Beech Hedge. Fruit and Flowers. Birds on the Stubble. The Cow in the Lonning. Soft and Wet. Birds at Evening. [Subjects include : Durdar. Burthwaite. **Birds** : Redwing. Golden Plover. Yellow Bunting (Yellowhammer). House Sparrows. Fieldfares. **Mammals** : The "Tag" (White tip of a Foxes tail), Cattle. **Flora** : Bramble fruit. **Trees** : Coppice. Beech hedges].

1953 Carlisle Journal : 13th November, 1953. Onlooker spends a Wet Day in the Woods. Woodpigeons. Roe Deer. Roe is smallest. The Ponds. Patter of Rain. Silted and Shallow. Tempting Toadstools. [Subjects include : **Birds** : Woodpigeons. Mallard. **Fish** : Carp. **Fungi** : Fly Agaric. and Birch Bracket. Mammals : Roe Deer.].

1953 Carlisle Journal : 20th November, 1953. Onlooker The coming of the Redwing. Penetrating Cry. Keener Application. Eyes and Ears. Through the Night. Sixty Years Ago. The Best Singer. They Suffer in Winter. Starved to Death. Like a Small Thrush. Favourites. [Subjects include : **Birds** : Redwing. Reference to H.A.MacPherson].

1953 Carlisle Journal. 27th November, 1953. Onlooker. Hears a Cry in the Night. From the Ponds. Big and Powerful. What was it? The Answer. Back in 1678. Will They Stay. Trumpet Like. More Proof Needed. The Real Home. And a Bird Spring Song in November. Regular Feature. The Few. [Subjects include : **Birds** : Canada Geese. Song Thrush].

1953 Carlisle Journal. 3rd December, 1953. Onlooker. Describes Solway Wildfowl. Timid and Shy. Suitable Haunts Scarce. Wild Swans. Distinctive Features. The Geese. Grazers. Greylag. Pink-footed. [Subjects include : Solway Firth. Rockcliffe. Salt Marsh. **Birds** : Wildfowling. Bewick's Swan. Mute Swan. Whooper Swan. Pink-footed. Greylag].

1953 Carlisle Journal. 11th December, 1953. Onlooker. The Ringed Goose from Iceland. In Iceland. 15,000 Birds. "Catching Pen". On the Lough. 16 Bewick's. Wonderful scene. [Subjects include : James Fisher. Thurstonfield and Monkshill Loughs. **Birds** : Pink-footed Goose. Bird Ringing. Mute Swan].

1953 Carlisle Journal. 18th December, 1953. This Mild Winter has Shattered Some Fond Beliefs, say Onlooker. Bats Abroad. Are the Signs Right? Paradoxical Crossbills. An Invasion. in Cumberland and Westmorland. [Subjects include : **Birds** : Crossbills. Winter Thrushes. Redwing. Wild Swans. **Mammals** : Bat (Not identified) at Kirkandrews. **Flora** : Chickweed. Dandelions. Gorse. Groundsel].

1953 Carlisle Journal. 25th December, 1953. "Onlooker" Collects the Xmas bird. Tawny Moors. Bridge Building. Cattle Grids. Peat Fires. [Subjects include : Horseholme. Gilsland Moor in winter. River Irthing. Sheep Farms. "Bailey Bridge". Peat as Fuel].

1954 Carlisle Journal. 1st January, 1954. "Onlooker" discusses this "Chill" Business and has a peep into the Country. Amongst my Books. Ten by Jefferies. A peep in the Country. Redwings. [Subjects include : The discomfort of having a chill. Favourite books and reading. The Author Richard Jefferies. Upperby Park, Carlisle. Birds : Mallard. Coot. Waterhen/Moorhen. Tufted Duck. Redwing. Wood Pigeons. Stock Dove].

1954 Carlisle Journal. 8th January, 1954. Onlooker Reviews the Main Events of 1953. "An Interesting Year". Becks and Buzzards. "A must". Just on Source. Lemonade Bottle (Hopes Aerated Water, Wigton. [Subjects include : Carlisle Natural History Society (CNHS). **Birds** : Black Tern. Spotted Crake. Waders. Canada Goose. Winter Swans].

1954 Carlisle Journal. 15th January, 1954. "Onlooker" visit's a fairyland…and gets his feet wet. Birds Eye View. Solitary Pipit. Frozen Waterfall. [Subjects include : Gilsland Gorge. River Irthing. Frost and Ice. **Birds** : Meadow Pipit. Grouse. **Mammals** : Roe Deer].

1954 Carlisle Journal. 22nd January,1954. "Onlooker" reviews a new local book. Two Moorland Birds. Siddick Pond. 295 Birds. [Subjects include a Review of :- The Food of Birds, Transactions of the Carlisle Natural History Society, Vol 8. Featuring Ernest Blezard. Tom Johnston. Robert H. Brown. Ray Stokoe. **Birds** : Greater Black-backed Gulls].

1954 Carlisle Journal. 29th January, 1954. "Onlooker" goes to a Snowdrop Glen. Modest Plants. Plants of Note in the Valley. Our Smallest Birds. Heart of the Wood. Tufted Duck. [Subjects include : **Birds** : Large flock of Chaffinches (Approx 500). Goldcrests. Wren. Pinioned Pink-footed Geese. Upperby Park, Carlisle. **Mammals** : Badger Earth. **Flora** : Snowdrops. Hart's tongue Fern. Alder Catkins].

1954 Carlisle Journal. 5th, February, 1954. Even in this weather Onlooker finds hints of the coming Spring. Day Dawns. Field Voles at Play. First Flowers of the Season. Pipits here again. [Subjects

include : Birds : Meadow Pipits ("Titlarks"), **Mammals** : Field Voles. **Flora** : Coltsfoot].

1954 Carlisle Journal 12th February, 1954. Onlooker goes for a Winter's Day Stroll. Fieldfares. Green in the Hedge. Torch Wood. 100 Yellow Bunting. [Subjects include : Glacial Boulder. Winter in Carlisle and District. Upperby Park. **Birds** : Fieldfares ("Felties). Goldcrests Tits. Partridge. Snipe. Yellow Bunting (Bessies). (Yellowhammer). **Mammals** : Ferrets. Rabbits. **Flora** : Early Honeysuckle. Bracken].

1954 Carlisle Journal. 19th February, 1954. Myxomatosis and Coccidosis : their effect on our Rabbit Population by Onlooker. Rabbits. Causes of Scarcity. Tufted Duck. Grey Wagtail. [Subjects include : Birds : Tufted Duck. Grey Wagtail. **Mammals** : Myxomatosis and Coccidosis. Rabbits.

1954 Carlisle Journal. 26th February, 1954. "Onlooker" visit's the Heron Wood. Roe Deer. The Bird Life. [Subjects include : **Birds** : Heron. Woodcock. Tawny Owl. **Mammals** : Traces of Roe Deer scrapings].

1954 Carlisle Journal. 5th May, 1954. "Onlooker" is reminded of the Great Frost of 1929. Coming of the Curlew. [Subjects include : River Eden. **Climate** : Frost. Snow. **Birds** : Early Dawn Chorus. Tits. Rooks. Mallard. Goldeneye. Goosanders. Red-necked Grebe. Curlew. Peewit. Whooper Swan].

1954 Carlisle Journal. 12th March, 1954. The End of a Heronry and a One Eyed Owl by "Onlooker". The Cause. A Late Rookery. A Curious Naturalist. [Subjects include : **Birds** : Herons. Rooks. Tawny Owl].

1954 Carlisle Journal. 19th March, 1954. A Mouse in the House by Onlooker. Did the Owl Know? An Adder. Dreaded Reptile. Singing the lamp-light. [Subjects include : **Birds** : Tawny Owl. Robin singing. Hedge Sparrow. Mammals : House Mouse? Reptiles : Adder].

1954 Carlisle Journal. 2nd April, 1954."Onlooker" at another Heronry. Brooding Young. Heartening Spring. Signs of Spring. [Subjects include : Birds : Herons. Curlew. Carrion Crow. **Flora** : Bogs & Mosses. Cotton Grass].

1954 Carlisle Journal. 10th April, 1954. "Onlooker Pays a visit to the Fell". Buzzards. Woodcock. Hares. [Subjects include : Weather : April Showers. **Birds** : Carrion Crows attacking Buzzards. Woodcock camouflage. "roding". **Mammals** : Fell Hares. Scotch Hares. **Flora** : Celandines. Bracken]. [Raptors].

1954 Carlisle Journal. 16th March, 1954. The Flowers that Bloom in the Spring by "Onlooker". Toothwort. Ancient Badger Earth. [Subjects include : **Mammals** : Badger remains. **Flora** : Celandines. Anemone. Primroses. Cuckoo-pint. Wild Hyacinth. Violets. Toothwort. Dog's Mercury. Moschatel. Trees : Sallow Catkins. Alder. Ash. Elm. Larch].

1954 Carlisle Journal. 24th March, 1954. Mystery of the Herons by "Onlooker". The Herons Return. 16 Occupied Nests. An off-shoot. Roe Deer. New Badgers Earth. [Subjects include : **Birds** : Herons. Mallard nest. **Mammals** : Roe Deer. Badgers].

1954 Carlisle Journal. 27th April, 1954. Spring hasn't arrived with a flourish by Onlooker. Field Mouse Hideout. Semi wild Pigeons. The Brent Goose. [Subjects include : **Birds** : Herring Gulls and their change of plumage. Brent Goose. **Mammals** : Field Mouse].

1954 Carlisle Journal. 30th April, 1954. Visit to the Sandstone Fells by Onlooker. Ancient Tarn. Wheatears. Disused Quarries. Stock Dove. [Subjects include : Barrock Pike. Blazefell. Sandstone Quarry. Tarn Wadlin. **Birds** : Swallow. Wheatear. Records of Isebelline Wheatear, Curlews. Carrion Crow. **Reptiles** : Green Lizard (Deceased)].

1954 Carlisle Journal. 7th May, 1954. It is Bud and Blossom Time again by Onlooker. May Day. First Migrants. Cock-fight. [Subjects include : Birds : Swallows. Cuckoo. Whitethroat. **Insects** : Butterflies. Tortoiseshell. Peacock. Green Hairstreak. **Fungi** : *Morchella esculenta* (Morrell). **Mammals & Birds** : Pheasant Game Keepers (Vermin Pole)].

1954 Carlisle Journal. 14th May, 1954. Real Spring Weather - at last by Onlooker. A Rough Track. From the Ice-age. [Subjects include : Ancient Well-head. Sunken becks. Birds : Larks. Swifts. Cuckoo. Whitethroats. **Flora** : Violets. Primroses].

1954 Carlisle Journal. 21st May, 1954. It's Blossom time in the Country by Onlooker. Flowers in Badger Wood. Swineslow Cottages. Corncrake heard. Hedgehog on Doorstep. [Subjects include : Crosby on Eden. **Birds** : Curlew Nest. **Mammals** : Hedgehog. **Flora** : May Blossom. Forgetmenots. Bluebells. Arum Lily. **Trees** : Bird Cherry. Crab Apple. Oak and Ash].

1954 Carlisle Journal. 28th May, 1954. Solway Marshes in May by Onlooker. Local Confusion. Screaming Peewits. Much Harried Gulls. [Subjects include : Saltmarsh. 'Stinting Day' on Rockcliffe Marsh. **Birds** : Bird Song and territorial behaviour. Peewits/Lapwing. Oystercatchers.

Skylark. Black-backed Gull - egg collection. Herring Gulls. Common Gull].

1954 Carlisle Journal. 2nd June, 1954. Onlooker in Black Lyne Valley. Barn Owls. Nest. Stock Dove. At the Sheep Fold. [Subjects include : Kettle Hall. Peat Stacks. Christianbury Crags. **Birds** : Barn Owl. Stock Dove. Curlew. Red Poll. Linnets. Willow Warbler. Yellow Bunting].

1954 Carlisle Journal. 11th June, 1954. Onlookers Holiday Outing. The Loughs. Marsh Birds. [Subjects include : Thurstonfield Lough. Monkhill Lough. **Birds** : Mallard. Peewit. Swallows. House Martin. Tawny Owl. Sedge Warbler. Reed Bunting. **Flora** : Lesser Marsh Sedge. Buck-bean. Early Purple Orchid].

1954 Carlisle Journal. 18th, June. 1954. Onlooker explores Geltsdale. Its Wildlife. Moorland and Migrants. Merlin Pair. A Buzzard. [Subjects include : **Birds** : Tree Pipit. Cuckoo. Ring Ouzel or 'Mountain Blackbird'. Merlin. Willow Warbler. Wood Warbler. Meadow Pipit. Buzzard. Trees : Birch.]. [Raptors].

1954 Carlisle Journal. 25th June, 1954. Onlooker visit's the Upper Gelt. Bleaberry Gill. Whinchats Nest. Beckside Birds. [Subjects include : Gelt Valleys. Whinsill Crags. **Flora** : Primrose. Golden Saxifrage. Bitter Vetch. Red-spotted Saxifrage. Butterwort. **Birds** : Golden Plover. Skylark. Carrion Crow. Willow Warblers. Whinchat. Buzzard. Sandpiper. Buzzard]. [Raptors].

1954 Carlisle Journal. 2nd July, 1954 Onlooker in Black Lyne Valley. Barn Owls Nest. Stock Dove. At the Sheep Fold. [Subjects include : Kettle Hall. Peat Stacks. Christianbury Craggs. **Birds** : Barn Owl. Stock Dove. Curlew. Red Poll. Linnets. Yellow Bunting].

1954 Carlisle Journal. 9th July, 1954. Moorland trek by Onlooker. Distance and Time. 'Live long'. The Crags. Sprawling Carlisle. [Subjects include : Roadhead-White Hill. Crew Moor. Overview of Carlisle & Solway. **Birds** : Goosander nesting. **Flora** : Orpine. Cotton Grass. Hodgson's Flora of Cumberland].

1954 Carlisle Journal. 16th July, 1954. Where beck's are born. by Onlooker. Bewcastle Fells. A Delightful Day. A Raven's Crag. [Subjects include : Grey Fell Common. Raeholes Sike. Tarn Beck. **Birds** : Red Grouse. Peewit/Lapwing. Golden Plover. Meadow Pipit. Ravens. **Insects** : Oak Eggar Moth. **Flora** : Butterwort].].

1954 Carlisle Journal. 30th July, 1954. Onlookers Moorland Trek ends. Carrion Crows. On Linen Sike. Wildlife. Fine Scene. [Subjects include : White Hill. Horseholme. River Irthing. Plantations. Catherine Waterfall. **Birds** : Carrion Crows. **Flora** : London Pride or St Patrick's Cabbage, (Garden escape?). Saxifrage. Moss.

1954 Carlisle Journal. 6th August, 1954. A Favourite Haunt Re-visited by Onlooker. Delightful field Track. Limestone Flora. Young Forest. Strange Cries. [Subjects include : Fringe of Skiddaw. Carrick Fell. **Birds** : Buzzard. Jackdaw. Bullfinch. Yellow Buntings. Redstart. **Mammals** : Roe Deer. **Flora** : Hedge parsley. Crosswort. Red Clover. Red Wood Cranesbill. Speedwell. Marguerites. Badger Earth. Limestone Crags. Birds-eye-primrose. Butterwort. Thyme. **Trees** : Spruce. Larch. Scotch Pine]. [Raptors].

1954 Carlisle Journal. 13th August, 1954. Oystercatcher haunts on the River Irthing by Onlooker. Rare Sandpiper. Goosander Brood. [Subjects include : **Birds** : Oystercatcher. Sandpiper. Green Sandpiper. Goosander].

1954 Carlisle Journal. 20th August, 1954. Signs of the advancing year by Onlooker. Plovers. The Distinction. Treacherous Sand. Two Migrants. [Subjects include : Solway Quicksand. **Birds** : Peewits/Lapwing and their migration. Golden Plover. Greenshank. Yellow Wagtail].

1954 Carlisle Journal. 27th August, 1954. Visit to a 'Clashed' Countryside by Onlooker. Common Gulls. Peewits / Lapwing. Wood Pigeon ('Cushants'). Young Larch Trees. The Old Road. Encounter with a Coo. [Subjects include : Birds : Common Gull. Magpies. **Mammals** : Cattle. **Trees** : Larch Plantations. A Gamekeepers vermin display].

1954 Carlisle Journal. 3rd September, 1954. Distinguished visitor to the district by Onlooker. When its Dark. Golden oriole. Rare Visitor. [Subjects include :- **Birds** : Curlew Migration 'Great flocks over Carlisle'. Golden Oriole].

1954 Carlisle Journal. 10th September, 1954. Country Chronicle by Onlooker. Tawny Wheatears. Mystery Bird. Which is which? 'East Whins' A Falcon. [Subjects include : Bowness-Cardurnock Peninsular. Solway tidal movements. Irds : Wheatears (Many). Richards Pipit, possible sighting. Peregrine Falcon]. [Raptors].

1954 Carlisle Journal. 17th September, 1954. There was a Snake at the Bottom of Kingmoor Road Garden. The Grass Snake. The Smooth Snake. The Adder. The Adder's Kiss. Adder's

'hall-mark'. [Subjects include : **Reptiles** : The identity of the snake was not identified from the description given to R.G, but he took the opportunity to talk in general about snakes in Cumberland].

1954 Carlisle Journal. 24th September, 1954. After the Storm by Onlooker. Farmers Faith. Colour gone. Different Chorus. [Subjects include : Persistent rain. Harvest problems. **Birds** : Roosting Peewits/Lapwings. **Flora** : Willow Herb. Parsley. Hogweed. Hemlock].

1954 Carlisle Journal. 8th October,1954. The Great trek begins again. A Great Jig-Saw. Wildfowl. Early Investigators. [Subjects include : **Birds** : Autumn Migration. Waders and Gulls. German Naturalist- Heinrich Gatke. Dr Eagle Clarke. British Bird Ringing Scheme].

1954 Carlisle Journal. 15th October, 1954. Country Chronicle : The Worlds Population. Off to Other Haunts. The Climax. [Subjects include : **Birds** : Migratory Geese. Pink-footed Geese. Brent Geese. Wild Geese].

1954 Carlisle Journal. 22nd October, 1954. Country Chronicle : Move of the Wild Solway Fowl. Greylag. White-fronted. [Subjects include : **Birds** : Migration. White-fronted Geese. Greylag Geese].

1954 Carlisle Journal. 29th October, 1954. Country Chronicle : Mallard. The Wigeon. The Teal. Pintail. [Subjects include : **Birds** : Surface feeding Ducks. Mallard. Wigeon. Teal. Pintail].

1954 Carlisle Journal. 5th November, 1954. Country Chronicle : Shovel-shaped Bill. The Gadwall. [Subjects include : Solway. **Birds** : Ducks. Shoveler. Gadwall. Teal. Garganey].

1954 Carlisle Journal. 12th November, 1954. Country Chronicle : In the Woods. The Rabbit Catcher. [Subjects Include Gamekeepers. : **Birds** : White Magpie. Rooks. **Mammals** : Signs of Badgers. Myxomatosis. **Trees** : Autumn Colours (foliage)].

1954 Carlisle Journal. 19th November, 1954. Country Chronicle : The Mill Pond. An attractive Scene. In the Woods. [Subjects include : Thurstonfield Lough. Monkhill Old Water Mill. **Birds** : Farm Geese. Mute Swans. Tufted Duck. Teal Snipe. Reed Buntings. **Mammals** : Fox. **Flora** : Autumn Fruits].

1954 Carlisle Journal. 26th November, 1954. Country Chronicle : Bowness - Cardurnock. Questions in the House. [Subjects include : Solway. **Birds** : Oystercatchers ('Flocks a mile long in times past'.) Protection of Birds Act. H.A.MacPherson - Naturalist].

1954 Carlisle Journal. 3rd December, 1954. Country Chronicle : Protection of Birds Act. [Subjects include : December known by Anglo-Saxons as Windmonath. Thomas Bewick. Charles Darwin. **Birds** : Bird Protection Act.].

1954 Carlisle Journal. 10th December, 1954. Country Chronicle : The Silver Lining matters a lot. Silver Lining. Partridge Coveys. Fieldfare and Redwings. [Subjects include : Brief review of the weather in 1954. **Birds** : Blackbirds. Wren. Partridge. Redwings. Fieldfares. **Flora** : Chickweed. Dandelion. Buttercup].

1954 Carlisle Journal. 17th December, 1954. Country Chronicle : Two interesting Birds in the City. Strange Plumage. [Subjects include : **Birds** : The plumage of Gulls during the period leading up to full maturity. Lesser Black-backed Gulls and the contrast between British and Scandinavian breeds. Kestrel]. [Raptors].

1954 Carlisle Journal. 24th December, 1954. Country Chronicle : Wild Geese in June. Are they Peter Scott's? Old Branding Iron. [Subjects include : Horseholme. Gilsland Moor. Branding Iron belonged to Joseph Armstrong. **Birds** : Blackcock. Possible Snow Goose or Lesser Snow Goose at Rothery Haugh].

1954 Carlisle Journal. 31st December, 1954. Country Chronicle. Mice and Voles. The Squirrel. Hedgehog. [Subjects include : **Mammals** : Hibernation of Moles. Voles. Bats. Badgers. Red Squirrel. Reptiles].

1955 Carlisle Journal. 7th January, 1955. Country Chronicle. Screaming Jays. Dark and Sombre. The Bird. [Subjects include : Upperby Park. Field Drains. **Birds** : Mallard. Tufted Duck. Coots. Jays. Bullfinch. Bird anatomy - Domestic Geese. **Mammals** : Stoat marks in mud. **Flora** : Creeping Buttercup. **Trees** : Scots Pine. Coppice Woods.

1955 Carlisle Journal. 14th January, 1955. Country Chronicle. In the Gorge. Birds eye view. Roe Deer. [Subjects include : **Weather**. Blizzards. Snow. Gilsland Gorge. River Irthing. **Birds** : Jackdaws. Herring Gulls. Mammals : Roe Deer Tracks. **Fish** : Fish Remains.

1955 Carlisle Journal. 21st January, 1955. Country Chronicle. A Contrast. Geese on the Move. [Subjects include : Snow. Solway flocks. **Birds** : Pink-footed Geese. **Mammals** : Myxomatosis. Rabbits].

1955 Carlisle Journal. 28th, January, 1955. What I found on the Frozen Marsh. The Goldeneye,. Whooper

Swan. Rock Pipit. [Subjects include : Thurstonfield Lough - frozen. **Birds** : Wild Geese. 'Shore-shooters'. Goldeneye. Whooper Swan. Rock Pipit].

1955 Carlisle Journal. 4th February, 1955 Believe it or not…there are signs of Spring. The Titlarks. Cheerful Song. Fight over a Vole. [Subjects include : **Birds** : Skylark. Meadow Pipit (Titlark). Early Bird-song. Blackbirds. Thrush. Robin. Mistle Thrush. Black-headed Gull. Common Gull. Rooks].

1955 Carlisle Journal. 4th February, 1955. Country Chronicle : A Night Walk. Hooting Owls. [Subjects include : Signs of Spring. **Birds** : Rook's Nesting. Blackbird. Thrush. Long-eared Owl. **Flora** : Crocus. Snowdrops. Coltsfoot].

1955 Carlisle Journal. 11th, February, 1955. Country Chronicle. Signs of returning Spring. Peewits Arrive. Wild geese Returning. Curlews Inland. [Subjects include : Eden Valley. **Birds** : Peewits/Lapwing. Wild Geese, "Huge numbers over Carlisle." Curlew. Greater Black-backed Gull. **Mammals** : Myxomatosis. **Flora** : Green Hellebore William Hodgson - Flora of Cumberland.

1955 Carlisle Journal. 18th February, 1955. Country Chronicle. The Exciting Events of the Year. The Missing Herons. Frost last February. Corncrake and Cuckoo. Bewcastle and Gilsland Moors. Goosander Brood. [Subjects include : Carlisle Natural History Society. **Birds** : Herons. Tufted Duck. Corncrake. Merlin. Green Sandpipers. Goosander family]. [Raptors].

1955 Carlisle Journal. 25th February, 1955. Country Chronicle : A Walk on Grim Winter Sunday. The Badger Bank. Frozen River. [Subjects include : Snow Ice. **Birds** : Redwing. Jay. Robin. Fieldfare. Rooks. Carrion Crows. Blackbird gatherings. **Mammals** : Badger Earth. **Trees** : Hazel Catkins.].

1955 Carlisle Journal. 4th March, 1955. Country Chronicle : The mystery of a March Evening. In the Wood. [Subjects include : Cumberland soil and its variation. Dike Felling. **Birds** : Curlew. Skylark. Peewit/Lapwing. Snipe. Mallard. Wood Pigeons. Gamekeeper - victims. Magpie. Carrion Crow. Sparrow Hawk]. [Raptor].

1955 Carlisle Journal. 11th March, 1955. Country Chronicle : An Unusual Migration of Geese. [Subjects include : Solway. **Birds** : Wild Geese migration routes. **Mammals** : Field Mouse damage and nest. **Flora** : Coltsfoot].

1955 Carlisle Journal. 19th March, 1955. Country Chronicle : There is Little Activity in the Heronry. Ten Nests. The Changing Season. The Roe Deer's Bark. Mallard in Pairs.[Subjects include : **Birds** : Herons. Curlew. Lapwings. Rookery. Buzzard. Kestrel. Fieldfares. Mallards **Mammals** : Roe Deer scrapings]. [Raptors].

1955 Carlisle Journal. 25th Match, 1955. Country Chronicle : Wild Geese. The Rabbit Eaters, what will they Eat? And the Buzzard. The food of the Buzzard and the Badger. [Subjects include : Solway. **Birds** : Wild Geese flocking over Carlisle. Buzzards. **Mammals** : Effect of Myxomatosis, its toll on Rabbits and their predators. Stoats. Weasels. Fox. Badger]. [Raptors].

1955 Carlisle Journal. 8th April, 1955. Country Chronicle : A Wood Stirring to the call of Spring. Woodpeckers. Curlew/Peewit. Mallard and Teal. On the Sunless side. [Subjects include : **Birds** : Herons. Great Spotted Woodpecker. Jay. Curlew. Lapwing/Peewits. Wood Pigeon. Stock Dove. Mallard. Teal. **Trees** : Hazel Catkins].

1955 Carlisle Journal. 15th April, 1955. Country Chronicle : Spring visitors to the Fells. Goldeneye and Goosanders. Nature and Nesting Birds. The Gorge. [Subjects include Geltsdale. **Birds** : Redshank. Curlew. Lapwings / Peewits. Goosander. Goldeneye. Mallard. Teal. Snipe. Skylark. "drumming". Meadow Pipit. Red Grouse. Golden Plover. Woodcock. The confusion between Blackbirds and Ring Ouzel. Evidence of Ravens].

1955 Carlisle Journal. 22nd April, 1955. Country Chronicle : some places not yet on the map. Place names in Geltsdale. The two Gelts. Ancient ford. [Subjects include : Fangs Forest of Geltsdale. Geltsdale topography. **Birds** : Ring Ouzel].

1955 Carlisle Journal 29th. April, 1955. Country Chronicle : Birds of the "forest". Ring Ouzels nest. [Subjects include : Birds : Woodcock. Great-spotted Woodpecker. Carrion Crow nest. Meadow Pipit. Wood Pigeon. Kestrel. Ring Ouzel]. [Raptors].

1955 Carlisle Journal. 6th May, 1955. Country Chronicle : Flowers that bloom in the Spring. Spring Migrants. Kestrel and Curlew. Woodpeckers. [Subjects include : **Birds** : Willow Warbler. Whitethroat. Corn Bunting. Redshank. Kestrel. Curlew. Great-spotted Woodpecker. **Mammals** :

Hare. **Flora** : Violets. Stitchwort. Celendine. 'Cuckoo flower.' Cowslip. Primrose. Anemone. Wood Sorrell. Dogs Mercury. **Trees** : Wild Cherry. Blackthorn]. [Raptors].

1955 Carlisle Journal. 13th May, 1955. Country Chronicle : Cumberland's many types of Mosses. Two groups. Bog Flowers. Barn Owl. [Subjects include : Peat Mosses or flow land. Bolton Fell. **Birds** : Barn Owl castings. **Flora** : Spagnum Moss. Cotton Grass. Cranberry. Marsh Andromeda or Wild Rosemary. Sundews].

1955 Carlisle Journal. 20th May, 1955. Country Chronicle : The Rugged Valley of the River Lyne. Shark Castle. Interesting Rocks. Previous discoveries. The Inn. [Subjects include : Kirklinton. Sandstone Series. Angling.
Rock Bridge. **Birds** : Willow Warblers. Chaffinch Nest. Mammals : Signs of Roe Deer and Badger. Earth. **Flora** : Toothwort.

1955 Carlisle Journal. 27th May, 1955. Country Chronicle. A Wild and Wet May Day on the Fells. The Route. Fell Formation. Seen from the Summit. Twice it Happened. Lonely Little Stirrings. [Subjects include : Cumbrian Pennines. Views of Carlisle, River Eden and Rockliffe Marsh. **Birds** : Golden Plover. Dunlin and waders preference for the Fells].

1955 Carlisle Journal. 3rd June, 1955. Country Chronicle : A Lovely May Day on the Marsh. Circle of Mountains. Marsh Nesting Birds. Gulls and Terns. Barnacle Goose. [Subjects include : Rockcliffe Marsh. **Birds** : Peewits/Lapwings. Oystercatchers or "Sea pies". Lesser Black-backed Gull. Terns (Not identified). Skylark. Solitary Barnacle Goose].

1955 Carlisle Journal. 10th June, 1955. Country Chronicle : A fine June day in Heron Wood. The Mallard. The Warblers. Near Tragedy. Well Named. Wild Flowers. [Subjects include : **Birds** : Heronry. Mallard flock (40/50). Willow Warbler. Wood Warbler. "Leaf Warblers". Garden Warbler. Hen Redstart and nest. **Mammals** : Roe Deer. **Flora** : Bugle. Germander. Speedwell. Forgetmenots. Bluebells. Yellow Pimpernel. Buckler Fern. Cowslips].

1955 Carlisle Journal. 17th June, 1955. Country Chronicle : The Peat Mosses - survivors of the Ice-age. The Curlew. Oasis and Atoll. [Subjects include : "Moss Lonnings". "Moss-Meedas". **Birds** : Curlew. Skylark. Meadow Pipit. Lesser Black-backed Gull. Black-headed Gull. 'Lagoon'. Carrion Crow. **Mammals** : Brown Hare. **Flora** : Cotton Grass.].

1955 Carlisle Journal. 24th June, 1955. Country Chronicle : June is bursting out all over. Rowan Blossom. Bird Life. Curlew and Pipit. Real Fellsiders. [Subjects include : Birds : Pied Flycatcher. Curlew. Tree Pipit. Meadow Pipit. Wood Pigeon. Sand Martin. Buzzard. Whinchat. Ring Ouzel. **Flora** : Tormental. Heath Bedstraw. Gold Saxifrage. Forgetmenot. **Trees** : Rowan]. [Raptors].

1955 Carlisle Journal. 1st July, 1955. Country Chronicle : The wild and remote Black Lyne Common. Countryside "Crack". Young Barn Owls. [Subjects include : **Birds** : Corncrake. Stock Dove. Barn Owl. Whinchat. Grasshopper Warbler. Wood Pigeon].

1955 Carlisle Journal. 8th July, 1955. Country Chronicle : The Beck and the Wild Goats. Merlin Family. Wild Goats (18 individuals). [Subjects include : "The Beck". Little Christenbury. **Birds** : Ring Ouzel. Merlin. **Mammals** : Wild Goats].

1955 Carlisle Journal. 15th July, 1955. Country Chronicle : The Course of the Lonely Burn. Followed it. Climbing. Young Kestrels. [Subjects include : Bewcastle & Gilsland Fells. **Birds** : Ring Ouzel. Kestrels. [Raptors].

1955 Carlisle Journal. 5th August, 1955. Country Chronicle : Where Every Prospect Pleases and Only Man is Vile. Beyond Description. Burial Mound. Flower-filled Meadows. Acres of Sundew. [Subjects include Bewcastle and Gilsland Fells. Rigghouse House-with inscription J. Barron, 1734. Barron Pike. **Birds** : Corncrake. Skylark. **Flora** : Burnett. Melancholy Thistle. Valerian. 'Mosses'. Cotton Grass. Spagnum Moss. Sundew].

1955 Carlisle Journal. 12th August, 1955. Country Chronicle : Over the featureless moors near Gilsland. Birth of the Becks. Startled Bird. Bonny Craggs. [Subjects include : Bush Farm. Horseholme. Mosses. Priorlanley. Rigg Plantation. "Turn-o-King". **Birds** : Curlew. Blackcock. Golden Plover. Redshank. Carrion Crow Nest. **Trees** : Rowan.].

1955 Carlisle Journal. 19th, August, 1955. A Unique Close-up of two Roosting ravens. Came to Roost. Pending Changes. Adders. [Subjects include : **Birds** : Ravens. **Mammals** : Sheep folds. Sheep 'Stells'.Water Voles. **Reptiles** : Adders. **Amphibians** : Toads].

1955 Carlisle Journal. 26th August, 1955. Haytime on the Moor. Summer Scenes. Following the River. Beauty Spot. [Subjects include : Horseholme. Haymaking. Butterburn Linns. River Irthing. **Flora** : 'Agrostis'-grasses. Garden Plants : Phlox. Pinks. Corydales. Mimulus].

1955 Carlisle Journal. 2nd September, 1955. A Beautiful River. A Plant Problem. The Meadow Orchids. Other Visitors. Warm Work. [Subjects include : River Irthing. Coal working. Linen Sike. Catherine's Waterfall. **Flora** : London Pride-St Patrick's Cabbage. Marsh Orchid. Sundew].

1955 Carlisle Journal : 9th September, 1955. Country Chronicle : The wildlife of a remote and little known countryside. Butterburn Flow. Lawrence Burn. A Rare Rush. At Whitehill. [Subjects include : Shank End. Lawrence Burn Flow. Louden's Burn. **Birds** : Black-headed Gull. Peewit/Lapwing. Golden Plover. Redshank. **Insects** : Dragonfly. **Mammals** : Sheep farming. **Amphibian** : Toad. **Flora** : Spagnum moss. Reed Mace].

1955 Carlisle Journal : 16th September, 1955. Country Chronicle : Ritson Graham describes his last day on the vast Gilsland and Bewcastle Moorlands. Smugglers or Shepherd's ? A Dangerous Bog. A Naturalists Ideal. [Subjects include : Burn Divot. "The Wou". Moorland Bogs. **Birds** : Black-headed Gull colony].

1955 Carlisle Journal. 23rd September, 1955. Country Chronicle : Ritson Graham asks Have I found something overlooked in the life-cycle of the Buzzard? Strange Behaviour. new, or overlooked. At the Pool. Limestone Flowers. [Subjects include : **Birds** : Buzzard behaviour on the nest. Thrush. Wheatears. Blackbird. Chaffinch. Yellow Bunting. **Mammals** : Roe Deer. **Insects** : Red Ants. **Flora** : Thyme. Spleenwort fern. Wild Strawberry]. [Raptors].

1955 Carlisle Journal. 30th, September, 1955. Country Chronicle : Ritson Graham spends a day watching the Bird Life of the Prairie-like Marshes of the Solway. Goosander Family. Declined to Leave. Solitary Greenshank. Golden Plover. [Subjects include : **Birds** : Goosander. Greenshank. Wheatear. Golden Plover].

1955 Carlisle Journal. 7th October, 1955. Country Chronicle : Ritson Graham Spends a Happy Day Walking the Solway Shore from Bowness to Cardurnock. [Subjects include : Solway Shore. **Birds** : Waders. Gulls. Wildfowl. Curlew. Oystercatcher. Redshank. Great Black-backed Gulls. Fungi : Fly Agaric. **Flora** : Bog Asphodel].

1955 Carlisle Journal. 14th October, 1955. Country Chronicle : A Moorland Journey in Search of Elusive Grass of Parnassus. Rowan Trees. Redwing. [Subjects include : Geltsdale. **Birds** : Woodcock. Blackcock. Redwing. **Flora** : Grass of Parnassus].].

1955 Carlisle Journal. 21st October, 1955. Country Chronicle. Ritson Graham writes an Obituary. A Royal Summer Passes. The Leaves fall before the Plague of Autumn. Doomed to destruction. Thrushes vs Blackbirds. City Woodcock. [Subjects include : **Birds** : Starling Roosts. Carrion Crow. Blackbirds. Goldfinches. Gull movements. Woodcock].

1955 Carlisle Journal. 28th October, 1955. Country Chronicle : Ritson Graham says : The Birds, Badgers, Acorns and Spiders foretell Winter's Approach. Fieldfares. The British Oak. Badgers and Snowdrops. An Object Lesson. [Subjects include : Corn Harvest. **Birds** : Fieldfare. Green Woodpecker. **Insects** : Spider Gossamer Sheets. **Mammals** : Badger 'Howking' Cattle lowing. **Flora** : Dock. Burdock. **Trees** : Pedunculate Oak. Sessile Oak].

1955 Carlisle Journal. 4th, November, 1955. Carlisle Journal. Country Chronicle. Some uncommon bird visitors. Their Appearance and their Habits. Distinguishing Plumage. Scandinavian Gull. Saw a Pair. [Subjects include : **Birds** : Reed Bunting. Scandinavian Lesser Black-backed Gull. Herring Gulls].

1955 Carlisle Journal. 11th November, 1955. A Journey to a Remote Moorland Sheep Farm on a mild November Day. Gilsland History and Romance. Moorland Journey. Horseholme. [Subjects include : Gilsland Moor. **Birds** : Carrion Crow. **Mammals** : Sheep Dogs].

1955 Carlisle Journal. 18th, November, 1955. The Rare Bitterns. The Waifs and Strays of the Great Bird Family. Once Nested Here. General Appearance. Come to Grief. [Subjects include : Silloth. Birds : Bittern].

1955 Carlisle Journal. 25th November, 1955. Country Chronicle. Ritson Graham tells us more about the Bittern and the Blackbird. A Remarkable Film. Red Letter Event. Blackbird from Chester. A Fine Film. [Subjects include : Birds : Jack Todd-Wildfowler. Bittern at Silloth. Other Bittern records. Film on Birds of Lakeland by Austin Barton and Ralph Stokoe].

1955 Carlisle Journal. 2nd December, 1955. The Bittern proves to be very elusive but is caught by the cine camera. The Irony of Fate. The Wigeon. Usually keep to themselves. [Subjects include : Jack Todd. Thurstonfield Lough. Monkshill Lough. **Birds** : Bittern. Wildfowl in Fish and Game Shops. Wigeon. Mallard].

1955 Carlisle Journal. 9th December, 1955. The Day and Nightlife of our Great Winter Family of Birds.

Mysterious Curlews. Winter Birds. Effect of the Winter. [Subjects include : **Birds** : Night flying Redwings. Curlew Migration. Thrush. Starling. Sky-lark. Woodcock. Short-eared Owl. Jack Snipe. Brambling. Siskin. Stackyards and Stubble. Divers. Hooded Crow. Dipper or Water Ouzel. Waxwing. Red Grouse].

1955 Carlisle Journal. 16th December, 1955.The Most Conspicuous Community of Birds in our Border City. Which is Which. Aids to identification. Look at the Legs. [Subjects include : **Weather**. Frost (14 Degrees). **Birds** : Black-headed Gull. Herring Gull. Common Gull. Gull Plumage. Scandinavian Lesser Black-backed Gull)].

1955 Carlisle Journal. 23rd December, 1955. Ritson Graham recalls Some Harrowing Experiences in Winter Weather. Gull Incident. Other Winters. [Subjects include : Wedholme Flow. Bannerdale. Mungrisedale Mill Inn. **Weather** : Severe Frost. **Birds** : Black-headed Gulls. Rook. Starling. Blackbird. House Sparrow. Gull with foot trapped in tin box. Red Grouse].

1955 Carlisle Journal. 30th December, 1955. What can be seen on the Winter Landscape of the Gilsland Moors. Scarce Wildlife. Lesser Black-backed Gull. Handsome Black Grouse. [Subjects include : Horseholme. **Birds** : Carrion Crow. Herring Gull. Lesser Black-backed Gull. Black Grouse (Blackcock)].

1956 Carlisle Journal. 6th January,1956. Country Chronicle : A Days Tour of the Loughs. Wild Swans. Tufted Duck. On Beaumont Marsh. [Subjects include : Thurstonfell Lough. **Birds** : Bewick's Swan. Tufted Duck. Mute Swan. Green Woodpecker].

1956 Carlisle Journal. 13th January, 1956. Country Chronicle. A Stern Journey over the Moors. Steely Cleaners. The Ourie Cattle. Coupling Names. [Gilsland Moor. Horseholme. The coupling of Christian Names. **Mammals** : Black Cattle. Sheep farming in Winter].

1956 Carlisle Journal. 24th January, 1956. Country Chronicle : 24th January, 1956. The Events of a Wintry Week. Changing Conditions. Birds come to Town. Hidden Hedge Sparrow. The Cole Tit. A Strange Cry. Carrion Crow in City. [Subjects include : **Birds** : Wild Geese Flying. Pied Wagtail. Curlew. Hedge Sparrow. Herring Gulls on Tips. Garden Tits. Lone Pink-footed Geese. Carrion Crow].

1956 Carlisle Journal. 31st January, 1956. Country Chronicle : Heather highly rated. The Value of "Drawmoss". Nutrition. Beginning to Understand. Another Query. [Subjects include : Coupling Christian names. **Birds** : Wild geese grazing. **Mammals** : Moorland Sheep. Salt-licks. **Flora** : Heather. Bleaberry. Horsetail Cotton Grass].

1956 Carlisle Journal. 3rd February, 1956. Country Chronicle : The Countryside is bare of Berries. Natures Warning. Redwing and Fieldfare. A Varied Diet. Bob-O-The-Hope. An Annual Feast [Subjects include : Name-coupling. **Birds** : Redwing. Fieldfares. **Flora** : Wild fruit availability].

1956 Carlisle Journal. 10th February, 1956. Country Chronicle : The Effect of the Great Freeze. A Wild Goose. Ice Floes. A Dry Month. Night-walking. "Daftness". [Subjects include : Carlisle at night. **Climate** : Ice- flows on the River Eden. Thaw. **Birds** : Birds in the Garden. House Sparrows. Chaffinch. Blackbirds].

1956 Carlisle Journal. 24th February, 1956. Country Chronicle : The Hardy Red Grouse and its Haunts. An Omission. The Only Way. Scepticism. The Black Grouse. Hardy Native Bird. The Red Grouse. [Subjects include : Carlisle Natural History Society. Bewcastle and Gilsland Moors. Geltsdale Fells. **Birds** : Red Grouse, "Living under the snow". Black Grouse].

1956 Carlisle Journal. 2nd March, 1956. Country Chronicle : Nesting time for the Early Birds. The Raven. The Heron. Third Place. The Reason for it. [Subjects include : **Birds** : Raven. Heron. Dipper (or Water Ouzel) also known as "Dookers". Tawny Owl. Woodcock].

1956 Carlisle Journal. 9th March, 1956. Country Chronicle : Ritson Graham deplores interlopers on the Spadeadam Waste. The Chief Fear. The Interlopers. A Typical March Day. The New Earth. Showers and Sallow Buds Heavier. Home. [Subjects include : Rocket testing at Spadeadam Waste. **Birds** : Partridge. Mallard. Coot. Waterhen (Moorhen). Tufted Duck].

1956 Carlisle Journal. 16th March, 1956. Ritson Graham visits the Heronry. Winter Home Ceremony. Old Nests Rebuilt. Reading the Signs. Buzzard Pair. Old Nest. [Subjects include : **Birds** : Herons. Buzzard]. [Raptors].

1956 Carlisle Journal. 23rd March, 1956. A Skylark Heralds Spring. In the Country. Gulls Return. A Backward Spring. At the Rookery. [Subjects include : Skylark. Curlew. Redshank. Stock Doves. Lesser Black-backed Gull. Rooks. **Flora**. Coltsfoot.].

1956 Carlisle Journal. 30th, March, 1956. The Moor's Awakening. [Subjects include : Gilsland Moor.

Birds : Carrion Crow. Red Grouse. Curlew. Peewits/Lapwing. Redshank. Golden Plover. Skylark. Meadow Pipit. Goosander].

1956 Carlisle Journal. 6th April, 1956. Easter Week-end on the Fells. [Subjects include : Pennine Fells. Heather Burning. **Birds** : Curlew. Peewit/Lapwing. Ring Ouzel. Meadow Pipit. Blackcock. **Mammals** : Red Squirrel].

1956 Carlisle Journal. 13th April, 1956. A Visit to the Hill Tarn. Elusive Visitor. Spring Visitors. No Ravens. A Red Grouse. A Kestrel. [Subjects include : Pennine Fells. **Birds** : Tufted Duck. Pochard. Wigeon. Redshank. Curlew. Peewit/Lapwing. Ring Ouzel. Fieldfares. Dipper].

1956 Carlisle Journal. 20th April, 1956. April Evening in the Country. [Subjects include : **Birds** : Peewit/Lapwing. Curlew. Snipe. Carrion Crow. Woodcock. Mammals :Deletion of Rabbit Population].

1956 Carlisle Journal. 27th April, 1956 In the Heron Wood Again. [Subjects include : **Birds** : Heronry. Rookery. Willow Warbler. Shoveler Duck. Great-spotted Woodpecker. Insects : Tortoiseshell Butterfly. **Amphibians** : Frogs. **Flora**. Wood Sorrel. Violets. Primroses. **Trees** : Scots Pine.].

1956 Carlisle Journal. 4th May, 1956. Visit to the Lyne Valley. Aglow with Flowers. Deer and Badger. Bolton Fell. Golden Plover. [Subjects include : River Lyne. **Birds** : Carrion Crow. Magpies Nest. Willow Warbler. Green Woodpecker. Great-spotted Woodpecker. Grey Wagtail. Golden Plover. **Mammals** : Roe Deer. Fox. Badger. **Flora** : Sphagnum Moss. Anemone. Celandine. Primroses. Ramsons (Wild Garlic)].

1956 Carlisle Journal. 11th May, 1956. The Merry Month of May. The Evenings. Spring Migrants. Birds of Passage. Painted Birds. Globe Spanners. [Subjects include : Birds : Curlew. Thrush. Cuckoo. Blackbird. Peewit./Lapwing. Swallow. Wheatear. Willow Warbler. Wader Migration. Grey Plover. Little Stints. Bar-tailed Godwit. Sanderlings. Godwits. Green Sandpiper].

1956 Carlisle Journal. 18th May, 1956. On Marsh and Moor. Transformation. A Paradox. The Dunlin. Mountain Waders. The Oystercatcher. A Puzzle. [Subjects include : **Birds** : The double haunts of Waders (Annual movements from shore to uplands). Dunlin. Redshank. Golden Plover. Curlew. Oystercatcher].

1956 Carlisle Journal. 20th May, 1956. April Evening in the Country. [Subjects : Rough pasture habitat. **Birds** : Woodcock 'Roding'. Snipe. Winter Lapwing. Carrion Crow. **Mammals** : Rabbits. **Flora** : Hedgerows. Sallow Blossom].

1956 Carlisle Journal. 25th May, 1956. Fatalities in the Heron Wood. [Subjects include : Herons. Mistle Thrush. Swifts. **Fungi** : *Morchella esculanta*].

1956 Carlisle Journal. 8th Junel, 1956. In a Wooded Gorge on a Windy Day. [Subjects include **Birds** : Jay. Heron. Cuckoo. Willow Warbler. Wood Warbler. **Flora** :- Butterbur. Violets. Primroses. Red Campion. Bluebell. Sedges. Ferns. Grasses, not identified].

1956 Carlisle Journal. 15th June, 1956. At the Headwaters of the River Gelt. [Subjects include : Water catchment areas. **Birds** : Pipits. Whinchat. Cuckoo. Curlew. **Insects** Heath Butterfly. **Flora**. Butterwort. Early Purple Orchid].

1956 Carlisle Journal. 29th, June, 1956. Kingfishers flash along the banks of the beck. [Subjects : **Birds** : Kingfisher. Sand Martin. **Insects** : Gnats. Sawflies. Ladybirds. Kingfisher. Orange Tip Butterfly.

Flora : Marigolds. Dame's Violet. (or Sweet John). Bugle. Stitchwort. Buttercups. Ox-eye daisy].

1956 Carlisle Journal. 6th July, 1956. A Rare Duck on the Marsh. [Subjects include : Rockcliffe Marsh. Esk Estuary. **Birds** : Common Tern. Goldeneye. Goosander and brood. Common Tern. Dunlin. Peewit/Lapwing. Ring Plover. Sanderling. Skylark. Oystercatcher. Redshank. Starling. Wood Pigeon].

1956 Carlisle Journal. 20th July, 1956. A Summer evening on the Countryside. [Subjects include : Haymaking. **Birds** : Corn Bunting. Sparrow flocks. Curlew. **Mammals** : Hares. Rabbits returning. **Flora** : Wild Rose. Honeysuckle].

1956 Carlisle Journal. 27th July, 1956. Faith of a Local Naturalist. [Subjects include : Countryside in July. Naturalists appreciation of the Countryside].

1956 Carlisle Journal. 3rd August, 1956. A Wet Evening Walk. [Subjects include : Corn Crops. **Birds** : Curlews. Common Gull. Mallard. Swallows. Peewit/Lapwing. Mammals : Hare].

1956 Carlisle Journal. 10th August, 1956. A Charming Wayside Inn -(Crown Inn, Broadfield). [Subjects include : Cereal crops. Changes in farming practice. **Birds** : Tawny Owl. Fungi : Woodland

fungi-not identified].

1956 Carlisle Journal. 17th August, 1956. A Scottish Countryside. [Lothian's and Trossach's. Edinburgh. Botanical Gardens].

1956 Carlisle Journal. 24th August, 1956. Solway - Estuary and Marsh. [River Eden. Rockcliffe Marsh. Tidal movements. **Birds** : Black-backed Gull. Common Gull. Curlew. Lapwing/Peewit. Herons. Large flocks of Mallard and Wigeon].

1956 Carlisle Journal. 31st August, 1956. The Solway's Autumn Migrants. Globe-spanners. The Mediterranean. Elegant Green Sandpiper. [Subjects include : **Birds** : Migration. Wheatear. Greenshanks. Green Sandpiper].

1956 Carlisle Journal. 5th September, 1956. A Reliable Weather Guide. [Subjects include : Bowness. Rain patterns. **Birds** : Green Sandpiper. Partridge covey. Wigeon. **Reptiles** : Adder skin].

1956 Carlisle Journal. 7th September, 1956. A wet August on the Moors. Slow Haytime. The Waters of King. Blackcock and greyhens. Moorland birds here yet. No change in Spadeadam. [Subjects Include : Haymaking. Fingwater. River Irthing Gorge. Ernest Blezard. **Birds** : Black-grouse. Meadow Pipit. Lapwing/Peewit. Golden Plover. Red Grouse. **Reptiles** : Slow Worm].

1956 Carlisle Journal. 12th September, 1956. The "Holmes" threatened. [Proposal for gravel extraction. River Caldew and environs. Denton Holme].

1956 Carlisle Journal. 14th September, 1956. September on the Fells. Music in the Meadows. Heather in Bloom. Brilliant Gorse. Evening Light. [Subjects include : Tindale and Geltsdale. Pennine Fells. Tindale Tarn. Haymaking. **Birds** : Tufted Duck. Coot. Pochard. Red Grouse. Redstart. Kestrel. **Flora** : Rowan. Gorse]. [Raptors].

1956 Carlisle Journal. 21st September, 1956. Two contrasting Augusts. (1955/1956). [Subjects include : Moorland crops and harvesting. **Weather** : Rainfall records effect on migrants. **Birds** : Golden Plover. Partridges. Tufted Duck. Pochard. **Flora** : Spagnum Moss].

1956 Carlisle Journal. 28th September, 1956. Sultry September Weather. [Subjects include : The author Adrian Bell. Sussex Countryside & Farming. **Birds** : The practice of leaving chaff for Pheasants as winter food. Wood Pigeons. Golden Plover. **Fungi :** Fly Agaric. Blusher. Boletus. Honey Toadstool].

1956 Carlisle Journal. 14th October, 1956. A vast army of wild geese. [Subjects include : Solway. Rockcliffe. River Eden. **Birds** : Pink-footed Geese. Stalking. "Scotch Mist". "Records on of the greatest flocks he has ever seen]."

1956 Carlisle Journal. 26th October, 1956. A Beautiful day on the Fells. Geltsdale. Variety of Nuts. Surrounded. Patchwork. Missel Thrush. Meadow Pipit. A Large Bat. [Subjects include : Geltsdale. Birds : Missel Thrush (Mistle Thrush) (Also known as 'Mountain Throstle'. Meadow Pipit. **Mammals** : Bat : (Possible Noctule or Great Bat). **Flora** : Bracken. Heather. **Trees** : Hazel Coppice.

1956 Carlisle Journal. 2nd November, 1956. Rook Raven and Crow. Hangers On. One Difference. Lone Rover. Hedge Sparrow. Their Habits. [Subjects include : **Birds** : Carrion Crow-Persecution. Rook. Raven. Hedge Sparrow ("Blue Dikie"). House Sparrow].

1956 Carlisle Journal. 10th November, 1956. Our Winter Visitors. Time Honoured. Night Birds. The Fieldfare. The Brambling. How do they Know? What they look like. [Subjects include : **Birds** : Migration. Redwing. Fieldfare. Brambling].

1956 Carlisle Journal. 30th November, 1956. The Joys of Winter Walking. Everything Fits. Emotional Effect. A Lost Lonning. Ice Age Boulders. A Little Beck. Primitive By-ways. Change and Decay. [Subjects include : Galloway Granite. Lonnings-primitive roads. Lost Lonnings].

1956 Carlisle Journal. 7th December, 1956. The Dull Winter Season. Still Green. Poisonous Plants. Winter Birds. Midget Birds. City Kestrel. Unusual Visitor. Protection. [Subjects include : Winter Crops. **Birds** : Blackbird. Skylarks. Yellow Bunting. Tit Flocks. Kestrel. Meadow Pipit. Goldcrest. **Flora** : Dandelions. Hogweed. Yarrow. Christmas Rose (Lenten Rose)].

1956 Carlisle Journal. 14th December, 1956. Arctic Visitors - The Swans. Bird Haunts. The Wild Swans. Solway Loughs. Easily Alarmed. Silent and Vocal. Colour of Bill. Stiff Necks. [Subjects include : Inland Tarns and Loughs. Thurstonfield Lough. Moorhouse Tarn. Talkin Tarn. **Birds** : Mute Swan. Whooper Swan. Bewick's Swan].

1956 Carlisle Journal. 21st December, 1956. The End of Another year. Blooms at Christmas. The Kingfisher. Christmas Customs. Shape of things to come. Difficult Day. [Subjects include : Santa Claus. **Birds** : Kingfisher. Blackbirds. **Trees** : Sallow Bushes. Christmas Trees].

1956 Carlisle Journal. 28th, December, 1956. Nesting in the New Year. Herons Return. February Egg. Substantial Nest. Uncongenial Crop. [Subjects include : **Birds** : Herons. Heronries. Early Nesting.Ravens.Tawny Owl. Woodcock. Dipper].

1957 Carlisle Journal. 4th January, 1957. The Last trip of the Year. Not a Killing Year. Buntings. The Old Countryside. [Subjects include : **Weather** : Lack of Frost. **Birds** : Old nests of Redpoll, Wood Pigeon, Carrion Crow, Green Woodpecker. Wren. Yellow Buntings. Woodcock. Partridge Covey **Mammals** : Rabbit.].

1957 Carlisle Journal. 11th January, 1957. Calm after the Storm. Fieldfare food. Pine Wood Warmth. Infestation of Tits. [Subjects include : **Birds** : Fieldfare flocks and food. Wood Pigeon. Blue Tits, "Tom Tit" **Mammals** : Hare. **Trees** : Winter Woodland].

1957 Carlisle Journal. 18th January, 1957. Strange calls in the Moonlight. Quiet Roads. Mating Foxes. The Night Cry. Strange Calls. Fieldfares. Wild Geese. A Banquet. [Subjects include : **Climate** : Frosts. **Birds** : Fieldfare Roost. Pink-footed Geese. Stubble Feeding. **Mammals** : Dog Fox.].

1957 Carlisle Journal. 25th January, 1957. A Winter Moorland Walk. A Vast Canvas. Following the River. Constant Change. Puzzling Plovers. Inseparable. Southern Stock. Lordly Ravens. That Call. [Subjects include : Winter Colours. Birds : Golden Plover and their different races. Ravens. **Trees** : Native Yew.].

1957 Carlisle Journal. 1st February, 1957. It pay's to be weather wise. "You". The Peewit Problem. Northern and Native. [Subjects include : Walking and dressing in Winter. **Birds** : Peewits - two races. Golden Plover].

1957 Carlisle Journal. 8th February, 1957. The Inquisitive Old Owl. A Tang of Spring. Redwings to Roost. Winter Visitors. Starlings to Follow. The Owl and I. Others here too. [Subjects include : Birds : Robin. Hedge Sparrow. Thrush singing. Redwing flocks. Fieldfares. Starlings. Barn Owl].

1957 Carlisle Journal. 15th February, 1957. The Tarn Below the Wood. The Oak Wood. Bewildered Roe Deer. Coming Nearer. Intimate Contact. The Antlers. Short Sighted. Keen Hearing. Only Twenty Paces. [Subjects include. **Mammals** : Roe Deer. **Trees** : Oak Woodland].

1957 Carlisle Journal. 22nd February, 1957. Life on the little Tarn. Not all Noisy. Bulrush. An Assortment. Diving Ducks. Dabchick. Failure. [Subjects include : **Birds** : Waterhen. Gulls. Coot. Mallard. Teal. Tufted Duck. Pochard. Dabchick. "Little Grebe" **Flora** : Reed. Great Mace.].

1957 Carlisle Journal. 1st March, 1957. Interesting Winter Visitors. Larks on High. Colourful Lazy Gulls. Wood Pigeons. Crossbills. Parrot like. Waxwing. [Subjects include : **Birds** : Gulls returning to Solway. Curlew. Wood Pigeon. Crossbills - distinct from Scottish race. Waxwing Invasion. **Flora** : Dogs Mercury. Gorse. Sallow].

1957 Carlisle Journal 8th March, 1957. First Visit to Heron Wood. Dispersal. Harsh Bark. Mixed Bag. Symptoms. Rooks were there. Roe Deer. [Subjects include : **Birds** : Herons. Rooks. **Mammals** : Evidence of Roe Deer].

1957 Carlisle Journal. 15th March, 1957. A March Day on the Moors. A Good Samaritan. New Country. Wrong Bearing. Not Wasted. Newcomers. Golden Plover. Raven Crag. [Subjects include : **Birds**: Peewits / Lapwing. Golden Plover. Pied Wagtail. Old Ravens Nest].

1957 Carlisle Journal. 22nd March, 1957. Tale of three Wild Goats. Sold for Slaughter. Strong Feeling. Questions to answer. The Heronry-Progress Report. Four Group. [Subjects include : Hermitage and Tarras Water. **Birds** : Herons. **Mammals** : The destruction of a herd of wild goats].

1957 Carlisle Journal. 29th March, 1957. First Day on the Fells. Sharp Contrast. Ring Ouzels Arrive. Bronze Age Burial. A Different Day. A New Voice. The Last Lap. [Subjects include : **Birds** : Ring Ouzel. Kestrel. Snipe. Woodcock. "Roding". Tawny Owl. Lapwing]. [Raptors].

1957 Carlisle Journal. 5th April, 1957. In the Bewcastle Country : High Stone Common. Golden Plovers. Kindly Folk. Heralding Spring. A Cosy Cot. [Subjects include : Place-names incorporating the word "Gate". Birds : Moorland bird song. Golden Plover. Short-eared Owl. Black Grouse. Pied Wagtail. Lyne Valley. **Flora** : Primroses. Dogs mercury. Moschatel].

1957 Carlisle Journal. 12th April, 1957. On Fell, Moor and Tarn. Hidden Gorge. A Kestrel. Strangers. Ringing Notes. Wild Swans. Music at Twilight. [Subjects include : Tindale Fells. Butt of Blackburn. **Birds** : Kestrel. Short-eared Owl. Red Grouse. Whooper Swans. Tufted Duck. Lapwing. Curlew. Redstart. Snipe. Black-headed Gulls].

1957 Carlisle Journal. 19th, April. 1957. By the side of a Bonny Beck. Early Rare Toothwort. A Hollow Tree. Wild Duck's Nest. Wild Pigeon. First Flowers. [Subjects include : **Birds** : Peewit/Lapwing. Wood Pigeons ("Cushats"). Toothwort-parasitic plant. Waterhen's nest. Stock Doves nest.

William Hodgson's Flora of Cumbria. **Flora** : Anemone. Marigolds. Violets. **Trees** : Wild Hyacinth Trees : Wild Cherry].

1957 Carlisle Journal. 26th April, 1957. Walking on a Cold Fell. A Fell Beck. On Cold Fell. Two Features. No Golden Plover. Bird's eye View. [Subjects include : Cold Fell. Tindale Fell. Howgill Beck. Blackburn Gorge. "Grieves Lodge". **Birds** : Absence of regular spring visitors. Whooper Swan. **Mammals** : Sheep heafting].

1957 Carlisle Journal. 3rd May, 1957. The Deserted House on the Moor. Young Barn Owls. Cutting Peat. The Greyhen. Fox's Highway. [Subjects include : Ancient Farm Houses. **Birds** : Barn Owls. Cuckoo. Curlew. Greyhen (female of Black Grouse). Tits. **Mammals** : Fox. **Flora** : Peat Mosses & cutting. **Trees** : Wild Cherry].

1957 Carlisle Journal. 10th May, 1957. Along the Fell Valley. Spring Flowers. "That Ritson Graham". Changed Setting. Whinchat. Wheatear. Fickle Showers. [Subjects include : Great Whin Sill : **Birds** : Water Ouzel (Dipper). Grey Wagtail and Nest. Merlin. **Mammals** : Trapped sheep. **Flora** : Violets. Celandine. Primrose. Wood Anemone **Trees** : Rowan Trees. Bird Cherry]. [Raptors].

1957 Carlisle Journal. 17th May, 1957. After the Thunder Storm. Old Riggings. Early cultivation. Birds more Active. Acres of Bluebells. Badger Tracks. T'eclipse (of Moon). [Subjects include : Changing farming practices. Geltsdale. Applewaite. **Birds** : Corncrake. **Mammals** : Badger Earth. **Flora** : Hedge Parsley. Jack-by-the-Hedge. Red Campion/ Forget-me-nots. Bluebells].

1957 Carlisle Journal. 24th May, 1957. A Trip into the Lake District. Linda laughs at the Wild Flower Names. The Oxlip. Lakeland Birds. Geltsdale Again. Music on the Fells. New Bird Visitors. Restless Redstart. [Subjects include : Mungrisedale. Aira Force. Blake Beck Bridge. River Gelt. **Birds** : Wagtail. Pied Flycatcher. Common Sandpiper. Redstart. **Mammals** : Hare. **Flora** : Early Purple Orchids. Birds-eye Primrose. Oxlip. Celandine. Violets].

1957 Carlisle Journal. 7th June, 1957. Rare Bird on the Fells. Field Vole. The Owl "Barked". Vole Tracks. Fell Birds. Red Grouse Chicks. The Cuckoo (Four). [Subjects include : **Birds** : Short-eared Owl. Whinchat. Wheatear. Mistle Thrush. Ring Ouzel. Red Grouse. Cuckoo. **Mammals** : Short-tailed Field Vole.].

1957 Carlisle Journal. 14th June, 1957. Visit to Rockcliffe Marsh. An Optical Illusion. Local Factors. A Lengthy Visit. [Subjects include : Rockcliffe Marsh. Esk Estuary. Mock-mirage effect. **Birds** : Abundance of nests and eggs. Peewits/Lapwing. Oystercatcher. Dunlin. Shelduck. Little Ringed Plover. Skylarks. Gulls].

1957 Carlisle Journal. 21st June, 1957. Exploring Black Lyne. Empty dwellings. From Fell to Forest. Constant Calling. Laborious Climb. Roe Deer. Bigger Specimens. Sandpipers Nest. [Subjects include : Bewcastle and Gilsland Moors. Glen Due. Broadside Cottage. Kettle Hall. **Birds** : Barn Owl chicks. Cuckoo. Whitethroat. Whinchat. Willow Warblers. Ring Ouzels. Sandpiper. Mallard. Heron. Wood Pigeon. **Mammals** : Roe Deer. **Flora**. Cloudberry].

1957 Carlisle Journal. 28th June, 1957. White Lyne to White Hill. Goosander Nest. Savage Pecks. The Black Bull. [Subjects include : Bewcastle-Gilsland Moors. White Lyne Watershed. **Birds** : Goosander nest].

1957 Carlisle Journal. 5th July, 1957. A long Moorland Walk. : Malcom's Still. Wildlife. Murmur of Water. [Subjects include :- Tarn Beck. Sighty Fell. Stantling Flow. Long Bar. Irthing Head. Whitehill. Deserted Cottages. **Birds** : Curlew. Red Grouse. Golden Plover. Tit Larks. Redshank. Starling. Swallows. House Martins].

1957 Carlisle Journal. 12th July,1957. From Whitehill to Horseholme. I follow the Beck. [Subjects include : Meadows and moorland. Spark End. "Sheiling Sites". **Birds** : Yellow Wagtail. Carrion Crow. **Flora** : Globe Flower. Purple Orchids. Marigolds. Aquatic plants].

1957 Carlisle Journal. 19th July, 1957. Horseholme to the Bush. Turn-o-King. Bonny Becks. A New Forest. [Subjects include : Gilsland-Bewcastle. Long Moss. Caud Beck. Spadeadam. **Birds** : Oystercatcher. Kestrel. Wheatears. **Fish** : Eel. **Mammals** : Rabbits. **Flora** : Bogbean]. [Raptors].

1957 Carlisle Journal. 26th July, 1957. A haunt of boyhood days. Some changes. Curious Fern. [Subjects include : Wedholme Flow. Peat Bog. **Birds** : Carrion Crow. Kestrel. Red Grouse. Meadow Pipit. **Reptiles** : Adders. **Flora** : Heather. Cotton Grass. Bog Myrtle. Adders Tongue Fern].

1957 Carlisle Journal. 2nd August, 1957. A day in Ordinary Country. The Wild Lonning. Mushrooms.

[Subjects include : Lost crafts. Rubble Pits. Red Sandstone. **Birds** : Waterhen. Wild Duck (Mallard?). Green Woodpecker. **Fungi** : Marsh Mushrooms. *Agaricus campestris*. Boletus. **Flora** : Guilder Rose. Sedge. .

1957 Carlisle Journal. 9th August, 1957. An Itinerant Bank Holiday. Cattle in the Water. On the Marsh. Dalston Show. [Subjects include : Lesson Hall. **Birds** : Goosanders. Golden Plover. Curlew. Mallard. Terns. **Flora** : Butterbur. Ragwort].].

1957 Carlisle Journal. 16th August, 1957. Seasonal change in the Fells. Jungle or Bracken. Fell Badgers. Seen as I Sat. Carrying its Prey. Short-eared Owl Again. Feeding Young. [Subjects include : Geltsdale. **Birds** : Short-eared Owl. Kestrel. Ring Ouzel. **Mammals** : Badgers Earth. **Flora** : Heather. Gorse. Grass of Parnassus]. [Raptors].

1957 Carlisle Journal. 23rd August, 1957. Birds and Break in Weather. Curlew in Flight. At the Estuaries. Harvest and Heather. Return of the Rabbit. [Subjects include : Bowness-Cardurnock shore. **Birds** : Swifts. Curlew. Oystercatchers. Sandpipers. Grey Wagtail. Common Gull. Heather. **Mammals** : Rabbits on the increase in Carlisle].

1957 Carlisle Journal. 30th, August, 1957. After the storm was over. Wooded River Valley. Local Fern. Regarded as Rare. One Badger? [Subjects include :- Journey to Tebay. **Birds** : Tawny Owl. Spotted Flycatcher. Willow Warblers. Blue and Great Tits. Swallows. Martins. Rooks. **Mammals** : Badger Earths. **Flora** : Hart's Tongue Fern. Scabious].

1957 Carlisle Journal. 6th September, 1957. The Secluded Solway Shore. Best Time Now. Good Pipe Cleaners. Saucer-sized Mushrooms. Purple Peat Moss A Dangerous Ditch. [Subjects include : Solway. "East Whins" **Birds** : Oystercatcher. Gulls. Gull feathers. Mushrooms. Ring Plover. Pipits. Reed Bunting. Blackbirds. **Flora** : Crops and Weeds. Bracken. Heather. "Furze". Knot Grass. Corn Spurry. Cranche].

1957 Carlisle Journal. 13th September, 1957. Countryside Autumn Evening. Early appearance. Harvest Moon. Machine Supplements Machine. Hedgerow Aftermath. Thin and Tired. Changed Bird Voices. Curlews. [Subjects include : Sky colours. Moon. **Birds** : Robin. Hedge Sparrow. Wood Pigeons. Carrion Crow. Owls. Snipe. Curlew. **Mammals** : Rabbits. **Flora** : Weeds. Yarrow. Hogweed. Hemlock. Willow Herb. Honeysuckle].

1957 Carlisle Journal. 20th September, 1957. In the Eden Valley. Steady Yorkshire Rain. Desert Sandstone. Foot Prints. Grand Scenery. Sandstone to Limestone. Bare Appearance. Pendragon Castle. [Subject : Description from a Locomotive footplate as the author travels from Carlisle through the Eden Valley and beyond].

1957 Carlisle Journal. 27th September, 1957. A Watery World. Birds Celebrate. Stranger in Coppice. Curlews Cry. Probable explanation. A Hare Runs. [Subjects include : **Climate** The effects of heavy rain. Causes of fog. **Birds**: Hedge Sparrow. Carrion Crow. Starling Flock. Marsh Tit. Duck Flight. Curlew Wood Pigeon. **Mammals** : Hare. Rabbit].

1957 Carlisle Journal. 4th October, 1957. The Changing Year. Odd Incident. Late House Martin. Heron in City. Ducks and Geese. [Subjects include : **Climate** : Signs of Autumn. **Birds** :Wheatear. House Martin. Goldfinch flocks. House Sparrows. Heron. Wader Migration. **Mammals** : Field Mice. Moles. Shrews. **Insects :** Tortoiseshell and Peacock Butterflies].

1957 Carlisle Journal. 11th October, 1957. Walking in the Dark. Now out of Fashion. Voices from the Fields. Bats. Talk at the Inn. [Subjects include : Pleasures of night walking and appreciating sounds. **Birds** : Peewits/Lapwings. Cock Pheasant. Golden Plover. Mallard Drake. **Mammals** : Bats (unidentified)].

1957 Carlisle Journal. 18th October, 1957. The Night Sky. Pink-feet on the pond. Polecat extinction? Local Specimen. Polecat Details. [Subjects include : The night sky. Meteor Shower. Northern Lights. **Birds** : Pink-footed Geese. **Mammals** : Polecat or "Foulmart"].

1957 Carlisle Journal. 25th October, 1957. About Wild Geese. From the Arctic. Pink-footed Geese. Passing over Carlisle. Often together. A Smaller Goose. [Subjects include : **Birds** : Pink-footed Geese. Goose migration. Grey-lag Goose. Barnacle Geese].

1957 Carlisle Journal. 1st November, 1957. Storm over Solway. A Near Thing. Flock of Geese. Another Flight. Flooded Creek. Unsuspecting Hare. Mass of Geese. Birds in the Kale. [Subjects include :- Metal Bridge. **Birds** : Goldeneye. Grey-lag Geese. Pink-footed Geese. Curlew. Lapwing. Golden Plover. Gulls. Chaffinches. Yellow Bunting. Linnets. Tits. Blackbirds. Thrush. **Mammals** : Hare].

1957 Carlisle Journal. 8th November, 1957. Birds and Weather. A mystery. Plumage Spoiled. Other City

Visitors. Gulls on Blackheath. Geese on the Mosses. [Subjects include : Climate : Rain Deluge. Kestrel. Grey Wagtail. Carrion Crow. Tits. Lesser Black-backed Gull. Herring Gull. Geese on the Scottish side of the Solway Firth. **Flora** : Rosebay Willow Herb. Flickweed. Cotton Grass].

1957 Carlisle Journal. 15th November, 1957. Winter Bird Visitors. Waxwings. Hips and Haws. A Night Cry. Redwing and Fieldfares. Visiting Finches. Driven by Weather. [Subjects include : Winter Crops. Birds : Waxwings. Brambling. Redwing and Fieldfare. Siskin. Wild Geese and Swans. Duck migration. **Flora** : Hips and Haws. Elderberries. Cotoneaster. **Trees** : Rowan.].

1957 Carlisle Journal. 23rd November, 1957. Lough and Marsh. Pretty Picture. Change at Monkhill. Contrast. An Alarm. Unusual Sight. [Subjects include : Thurstonfield Lough. Monkhill Lough. H.A.MacPherson. **Birds** : Mute Swans. Coot. Wigeon. Tufted Duck. Moorhen. Goldeneye. Greenshank. Redshank. Dunlin].

1957 Carlisle Journal. 29th November, 1957. Countryside Changes. Man and Nature. Mountain Road. Gone forever. The Last Straw. Peat Cutting. Woodland to Waste. Before and After. [Subjects include : Great Dun Fell. Greystone Park. Tree Planting. Anthorn. Bolton Fell. Airfields. Re-afforestation. Rockcliffe Marsh].

1957 Carlisle Journal. 6th December, 1957. Beside a Fell Tarn. Summer in Winter. Pochard and Mallard. Main Activity. An Attractive Picture. Not Common. Curious Cries. Seldom Seen. [Subjects include : Birds : Pochard. Mallard. Greater Black-backed Gull. Possible Water-rail].

1957 Carlisle Journal. 13th December, 1957. About the Badger. Unsuspecting Animal. Minds its Own. Business. He Lies Low. Strong and Stubborn. Down 11 feet. The Earth or Sett. [Subjects include **Mammals** : Badgers].

1957 Carlisle Journal. 20th December, 1957. On a Winter Day. Cross-country. Roseate Sky. Friendly Cattle. Flowers and Ferns. Few Holly Berries. A Silent Land. Gay Lighting. [Subjects include : Climate :
Severe Frost. **Birds** : Partridge Covey. Jays. Carrion Crow. Cattle. Wood Pigeon Roost. Snipe. Peewits/Lapwing. **Flora** : Gorse. Hogweed. Ferns. Hard Fern. **Trees** : Oak. Sallow].

1958 Carlisle Journal. 3rd January, 1958. Turn of the Year. Field Activities. White Stoat. Spruce and Pine. Roe Deer and Badger. Carlisle Wood. Tam-O-Shanter Night. [Subjects include Gamekeepers. **Climate** : Snow. **Birds** : Woodpigeons. Magpie. **Mammals**. Stoat. Evidence of Roe Deer. Badger Decline. **Trees** : Larch Plantation].

1958 Carlisle Journal. 10th January, 1958. When Winter comes. Climate & scenery. Blackbird lays an egg. Bulbs on show. Flowers. Fieldfare / Redwings. Gulls in winter. Stoat and Weasel. [Subjects include : Climate : Snow and rain. Birds : Wild Geese over Carlisle. Greylag. Possible White-fronted Goose. Barnacle Geese. Partridge covey. Fieldfare. Herring Gull. Black-headed Gull. **Mammals** : Weasel. Stoats. **Flora** : Lenten Rose. Sallow. Honeysuckle].

1958 Carlisle Journal. 17th, January, 1958. Winter Walking. Anglers etc. Roadside. Woodpecker. Out of Place. Brown Buntings. Insect Hunting. Two Oak Trees. A Stubborn Owl. [Subjects include : Birds : Great-spotted Woodpecker. Reed Bunting. Yellow Bunting. Tree creeper. Little Owl (Possibly). **Flora** : Polypody Fern].

1958 Carlisle Journal. 23rd January, 1958. Changed Countryside. More Ducks. Snug in the Wood. An Otter. Red Squirrel. [Subjects include : **Birds** : Mallard. Rooks. Bullfinch. Chaffinches. Yellow Buntings. Greenfinch. Blackbird. Thrushes. Tits. Wren. Goldcrest. **Mammals** : Badgers Earth. Otter. Red Squirrel hibernation].

1958 Carlisle Journal. 24th, January, 1958. Winter Woodland. Trees in Snow. Badgers and Bullfinches. A Winter Evening. [Subjects include : Woodland Forestry. **Birds** : Great Spotted Woodpecker. Bullfinch. Curlew. Carrion Crow. Woodpigeon. **Fungi** : Birch-bracket Fungi. **Mammals** : Stoat. Roe Deer - footprints and scrapings].

1958 Carlisle Journal. 31st January, 1958. When the Snow Came. Lone Goldfinch. Bothered and Bewildered. Chill on the Fells. Welcome Relief. The Carrion Crows. Preserving the Bees. Fewer Chaffinches. [Subjects include : **Climate** : Snow. **Birds** : Linnets. Goldfinch. Sparrow. Starling. Tawny Owl. Carrion Crow. Chaffinch. Wild geese. Rabbit Larks. Lapwing. Ravens. **Mammals** : Rabbit tracks. **Flora** : Lenten Rose. Crocus. **Trees** : Hazel catkins].

1958 Carlisle Journal. 7th February, 1958. My Candlemas Day. Pair for Life. Signs of Spring and of danger. A Buzzard. Prefers a Tree. Small and Shy. Owls Hoot. [Subjects include : **Birds** : Bullfinch. Jay. Wood Pigeon. Mallard. Blue Tits. Treecreeper. Mallard. **Mammals** : Roe Deer Signs. Hare. **Flora** : Snowdrops]. [Raptors].

1958 Carlisle Journal. 14th February, 1958. A Terrible Day. Five Sundays. Constant Crow. First Wild Flower. Faithful Waterhen. Unlucky Gull. Old-timers Peewits. Wild Goose Ring. [Subjects include : Ernest Blezard. Leap Years. **Birds** : Waterhen/Moorhen. Peewits/Lapwings. Kestrel. Gull with its foot trapped in a tin can. Wild Goose Ring. Bird ringing. Bird Migration]. [Raptors].

1958 Carlisle Journal. 21st February, 1958. A Wrong Choice. "Where's 'T Gahn?" Tufted Duck. Pochard. The Woodman. The Snow Storm. [Subjects include Shooting Drive. **Birds** : Woodpecker drumming. Woodcock. **Mammals** : Roe Deer Hunting. Polecat. Red Squirrel decline].

1958 Carlisle Journal. 28th February, 1958. Snow on Sunday. Short-lived set-back. New Natural History. Where were they? Right this year. Short-eared Owl. The Reason. Food News Spreads. [Subjects include : Carlisle Natural History Society Report. **Birds** : Golden Plover. Short-eared Owl. **Mammals** : Rodents. Field Voles **Flora** : Coltsfoot.].

1958 Carlisle Journal. 4th March, 1958. The Heron's Return. Natures New Role. A Brief Visit. Roe Deer. Large Winged Owl. The Fells.[Subjects include : **Birds** : Herons/Heronry. Rooks/Rookery. Mallard. Teal. Green Woodpecker. Barn Owl. Curlew. Jay. Great Tit. Pink-footed Geese. **Mammals** : Roe Deer signs. **Flora** : Primrose. Snowdrops. **Trees** : Sallow. Chestnut buds].

1958 Carlisle Journal. 14th March, 1958. Like Cumberland. Common Stock. More forward than Here. Odd Birds. "Mountain Waders". A Naturalists Paradox. Range and Distribution. [Subject : A Visit to Anglesea].

1958 Carlisle Journal. 21st. March, 1958. In the Raven County. Suitable Crags. Ice and Snow. Deserted Crag. Remote Raven Haunts. Adventure. Rough Road Back. [Subjects include : **Climate** : Ice & Snow. **Birds** : Ravens in the Lake District. Kestrel. Peewits/Lapwings. **Mammals** : A Black Bull]. [Raptors].

1958 Carlisle Journal. 28th March, 1958. Wintry Week Events. Direction and Time. Cold Dawn Chorus. Town Dwellers. Seen in the City. Inland Pastures. Heard in the Night. Welcome Change. [Subjects include : **Birds** : Pink-footed Geese. Blackbirds. Song Thrush. Dawn Chorus. Carrion Crow. Rook. Barn Owl. Kestrel. Solway. Peewits/Lapwings. Curlews]. [Raptors].

1958 Carlisle Journal. 4th April, 1958. Buds Herald Spring. Full-throated Chorus. Nesting and offspring. The Cry of the Bat. Bat Species. Difficult to Tell. [Subjects include : Ernest Blezard. George Bolam. **Birds** : Spring Bird Song and Territory. Curlew. **Mammals** : Bat (not identified), Whiskered and Horseshoe Bats].

1958 Carlisle Journal. 11th, April, 1958. On the Pennine Fells. Blanket of Snow. Bird song. Snipe and Silence. Abundance of Grouse. Ring Ouzel. [Subjects include : Birds : Peewits/Lapwing. Snipe. Coots. Tufted Duck. Grouse (40 pairs). Black Cock. Red Grouse. Ring Ouzel. Blackbirds].

1958 Carlisle Journal. 18th, April, 1958. In the Heron Wood. A Sitting Bird. Hatching Time. Incubation. Woodland Birds. Owl Look-out. Wallowing Carp. Fish Toll. [Subjects include : **Birds** : Herons/Heronry. Barn Owls. Great Spotted Woodpecker. Woodcock. Rooks/Rookery. Wood Pigeons. Curlew. Peewit/Lapwings. **Fish** : Carp. **Flora** : Celandine. Primroses].

1958 Carlisle Journal. 25th, April, 1958. Lambing in the field. Unconcerned Parents. A Buzzard. Return to Same Place. Crooning Blackcock. [Subjects include : **Birds** : Buzzard. Jackdaws. Dippers. Water Ouzel. Pipits. Kestrel. Curlew. Ring Ouzel. Blackbirds. Red Grouse. Blackcock. Heron. Wood Pigeon. Stock Dove. **Mammals** : Sheep. Lambs].].

1958 Carlisle Journal. 2nd May, 1958. Birds of Lakeland. Census of Birds. Illustrations. Novel Incidents. Comprehensive information. Spring at Last. Flowers Trees. [Subjects include : Ernest Blezard. Transactions : Carlisle Natural History Society. Ralph Stokoe. **Birds** : Crested Tits. Siberian Chiffchaff. American Robin. Whiskered Tern. Carrion Crow. Yellow Wagtail. Blackbirds. Heronries. Fulmar. **Flora** : Primrose. White Violets. Toothwort. **Trees** : Larch. Sallow].

1958 Carlisle Journal. 9th May, 1958. An Evening in May. Enchanted Scene. Unfolding Foliage. Singing Birds. The Woodpecker. Camouflage Wonders. [Subjects include : **Birds** : Willow Warblers. Curlew. Peewits/Lapwing. Great Spotted Woodpecker. Partridge. Swallow. Cuckoo. **Flora** : Whitethorn. Blackthorn. **Trees** : Bullace. Birch. Alder. Willow].

1958 Carlisle Journal. 23rd May, 1958. On Bolton Fell. Pop goes the Weasel. Barn Owl Pair. Peat Rights. Cuckoo Country. Long Pole Plantation. Moss Litter Industry The Car Stuck. [Subjects Include : **Birds**: Cuckoo. Barn Owls. Peat Cutting. Willow Tit. Willow Warblers. Whitethroat. Wildfowl. **Mammals** : Weasel. Roe Deer. **Flora** : Peat Cutting,. Andromeda. Cranberry. Cotton

Grass. Marigold. Violets Anemones].

1958 Carlisle Journal. 30th, May, 1958. On Rockcliffe Marsh. Long Walk. Nesting here? Many Birds. Oystercatchers. A fine sight. [Subjects include : Rockcliffe. Metal Bridge. Thomas Telford. Tullie House. Solway Mirage. **Birds** : Goldeneye. Shelduck. Redshank. Sand Martin. Peewit nest Redshank chicks. Oystercatcher. Dunlin. Skylark. Mammals : Cattle].

1958 (No entries kept for June and only one for July, to be investigated further).

1958 Carlisle Journal. 18th July, 1958. Where Becks are Born. Sike and Burn. The Loneliest House. Limited in their Range. Malcolm's Still. Evidence Visible. [Subjects include : Fell Walking. Sighty Fell. Becks and Burns. River Irthing. Tarn Beck Cot. Illicit Whisky. **Birds** : Blackbirds.].

1958 Carlisle Journal. 8th, August, 1958. A Pennine Valley. Blossom Time. Crab Apple. Fairyland. Cuckoos and Ring Ouzels. A Curious. An Ancient Earthwork. [Subjects include : East Fells. **Birds** : Meadow Pipit corpse. Cuckoo. Ring Ouzel. **Trees** : Bird Cherry. Rowan. Mountain Ash. Alder. Hazel. Crab-apple].

1958 Carlisle Journal. 15th August, 1958. On the Marsh. Lightening Kills Cow. A Strange Silence. August Flocks. Curlews Gone. Ducks without Distinction. First Wigeon. Young Gulls. [Subjects include : Rockcliffe. Holme Head Bay. **Birds** : Linnets. Goldfinches. Golden Plover. Peewits. Curlews. Ducks (In eclipse phase). Mallard. Wigeon. Black Backed Gull. **Mammals** : Cattle Pens. Cows].

1958 Carlisle Journal. 22nd, August, 1958, August Evening. The Gathering Storm. Ants Everywhere. Bees in a Bush. Edible Toadstool. The Storm Breaks. Evening Sunset. Gull Gatherings. [Subjects include : Butterflies : Small White. Tortoiseshell. Midges. Ants. Bee Swarm. Woodpigeons. Sparrowhawk. Mallard. Common Gulls. Fungi : Chantarelle].

1958 Carlisle Journal. 29th August, 1958. By Orton Scar. Famous for Dotterels. A Rare Bird. Stupidly Tame. Old Nests. Flowers and Ferns. Fossil Shells. [Subjects include : H.A.MacPherson. Dotterels. Limestone Rock. **Flora** : Harts-tongue Fern. Maiden-hair Fern. Spleenwort. Knotted Pearlwort. Herb Robert].

1958 Carlisle Journal. 5th September, 1958. The Forest Park. A Changed Place. Limestone Barrier. Flowers Galore. Green Woodpecker. Roe Racing Ring. Badgers Sett. Hidden Holes. [Subjects include : **Birds** : Green Woodpecker. **Mammals** : Roe Deer. Badgers. **Flora** : Scabious. Bluebells. Thyme].

1958 Carlisle Journal. 12th September, 1958. The Fine Spell. A Glow in the Sky. Birds on the Move. The Swifts have gone (from Geltsdale). Five and Twenty Blackbirds. Ant Hills. [Subjects include : **Climate** : Thunderstorms. Northern Lights or Aurora Borealis. **Birds** : Sandpiper Call. Curlew migration. Swifts. 20 Blackbirds. Wheatears. **Insects** : Ant Nests].

1958 Carlisle Journal. 19th September, 1958. A September Evening. The Green Lane. Evening. A Hare. It Stands and Stares. Nearest Ever. [Subjects include : **Birds** : Woodpigeons. ("Cushants"). **Mammals** : Hares vision. **Flora** : Honeysuckle berries].

1958 Carlisle Journal. 26th September, 1958. A wet Evening. The Keeper. No Naturalist Allowed. Unsatisfactory Interview. The Bees Again. No Rabbit Recovery. More Hares? Wagtails here. [Subjects include : Gamekeepers. **Birds** : Pied Wagtails. **Mammals** : Rabbits. Myxomatosis. Stoat and Weasel. Hare.]

1958 Carlisle Journal. 3rd October, 1958. The Geese Arrive. Seen in the City. By Beaumont. Sandpipers. Brambles. Monkhill Lough. Thurstonfield Lough. Orton Woods. [Subjects include : Decline of Loughs. Solway. **Birds** : Wild Geese. Sandpipers. Green Sandpipers. Swallows. Common Gulls. Woodpeckers (Greater Spotted and Green). Waterhen / Moorhen. Snipe. **Flora** : Good crop of Blackberries. Reeds. Sedge].

1958 Carlisle Journal. 10th, October, 1958. Rivers and Rain. Where they Rise. From Skiddaw Forest. To Bitts Park. Hedgerow Harvest. The White Beam. Beech. Ash Trees. [Subjects include : **Climate** Flooding. River Caldew. Carrick Fell. River Eden. River Irthing. **Flora** : Wild Fruit. **Trees** : Hawthorn Harvest. White Beam. "Cumberland Hawthorn". Ash Keys. Chestnuts/Conkers].

1958 Carlisle Journal. 17th, October, 1958. Estuary and Marsh. The Tide Wrack. Geese in Thousands. How they Cry. On the Wing. Swans on the Marsh. A Change Now. Feeding Activities. [Subjects include : **Climate** : Flooding. **Birds** : Pink-footed Geese. Greylags. Heron. Mute Swans. Curlew. Golden Plover].

1958 Carlisle Journal, 24th October, 1958. Seasonal Events. During Darkness. Haws and Hard Weather. The Goldfinches Again. What they Prefer. Like Acrobats. Return of the Kestrel. Where they Rest? [Subjects include : Birds : Redwing. Fieldfares. Goldfinch numbers. Kestrel. Carrion

Crow. **Flora** : Hips & Haws. Hawkweed and thistles]. [Raptors].

1958 Carlisle Journal, 31st, October, 1958. Autumn Evening. Colour in Decay. Wasted Crops. Full and Plenty. Gulls and Grain. Mud and Mire. Noises at Night. Careless Pheasants. [Subjects include : Autumn Colours. Water-filled Quarries. **Birds** : Grain crops as Duck food. Common Gulls. Black-headed Gulls. Little Grebe. Dabchick. Waterhen/Moorhen. Pheasants. Carrion Crow. Snipe. **Mammals** : Harvesting Rodents. Badgers. **Fungi** : Boletus.].

1958 Carlisle Journal, 7th November, 1958. Disappearing Birds. Not so Dull. "Old Bob". A Queer Fellow. Not Decreasing. Declining Whinchats. Fewer Corncrakes. Blame the Mower. [Subjects include : Birds : Whinchats. Corncrake. Nightjar].

1958 Carlisle Journal, 14th, November, 1958. The Valley Woods. Dumpy Dipper. Food for the Roe Deer. Manner of Feeding. Kingfisher "Nests". Then and Now. [Subjects include : **Birds** : Dipper. Wood Pigeons. Rooks. Jay. Kingfisher. **Mammals** : Roe Deer. **Trees** : Acorns. Beech Nuts].

1958 Carlisle Journal. 21st November, 1958. Peewits in Winter-time. Favourite Fields. Gulls are Choosy. Changed on the shore. Noisy and Numerous. Gull Assortment. Widgeon Unaware. [Subjects include : Solway Marshes. **Birds** : Peewit/Lapwing, Winter Visitors and Migration. Curlew. Redshank. Oystercatchers-great flocks. Black-headed Gulls. Common Gulls. Herring Gull. Pink-footed Geese. Wigeon (60/80)].

1958 Carlisle Journal. 28th November, 1958. Day and Night. Moon and Mist. Waterlogged Land. Greenfinches. Different in Winter. The Hare. Brown Gulls. Exceptional. [Subjects include : Night Walks. Large flocks of Greenfinches. Gulls. Lesser and Greater Black-backed Gulls. **Mammals** : Hares & Rabbits].

1958 Carlisle Journal. 12th December, 1958. The Darkest Days. Brambling. Like Chaffinch. The Difference. Thousands of Eggs. Sick to the Sea. [Subjects include : Birds : Brambling. Flock Migration. **Fish** : Salmon Run. **Flora** : Haws and Thistles. **Trees** : Beech nuts.].

1958 Carlisle Journal. 19th December, 1958. Time Flies Swiftly. Memories. Berryless Holly. Ivy Neglected. Mistletoe. Rites if Druids. The Christmas Tree. [Subjects include : Druid and Christmas Festivals. **Flora** : Ivy. Mistletoe. Holly Berries. **Trees** : Oak Trees. Christmas Trees].

1958 Carlisle Journal. 26th December, 1958. Carlisle Journal. The Turn of the Year. Light and Life. The Simple Things. Shortest and Best. Bark Diet. Countryside Sounds. Eating the Haws. [Subjects include : Shortest day of the year. **Birds** : Cocks crowing. Fieldfare. Redwing. Blackbirds. **Mammals** : Scots Pine bark as sheep food. Rabbits and bark].

1959 Carlisle Journal. 2nd January, 1959. The Strange Gift. Thoughtful Friends. Green Countryside. In Mighty Spate. Some Migration. [Subjects include : Australian Boomerang. **Birds** : Tufted Duck. Pochard. Starling Flock. Carrion Crow. Fieldfares. Wood Pigeon("Ring Dove"). Migration. **Mammals** : Scarce Rabbits].

1959 Carlisle Journal. 9th January, 1958. First Bird Song. One Favourable Hour. Biding their Time. Three Stags. Uncommon Here. Red Deer in Lakeland. The Shy Roe. Now at Peak? [Subjects include : Birds : Winter bird song. Hedge Sparrow. Blackbirds. Gulls. **Mammals** : Fallow Deer - Yealand. Red Deer. Martindale Forest. Roe Deer].

1959 Carlisle Journal. 16th January, 1959. A Wintry Countryside. Frozen Ponds and Fields. Bare Trees. Twittering Chorus. Many Birds. A Great Surprise. Passing Through. The Birds Record. [Subjects include : Ernest Blezard. **Climate** : Icy Conditions. **Birds** : Mute Swans. Tufted Duck. Long-tailed Tits. Goldcrest. Hedge Sparrows. Jay. Wood Pigeon. Fieldfare. Snow Bunting? Sandpiper. **Mammals** : Rabbit tracks].

1959 Carlisle Journal. 30th, January, 1959. The Frost Again. Curlew in Winter. Wildly Calling. A Curious Habit. Hare. Partridge. Attractive in Decay. Food Seekers. [Subjects include : **Birds** : Curlew. Partridge Pair. Snipe. Blackbirds. Thrushes. Redwing. Fieldfare. **Mammals** : Rabbits. Ferrets. Hares. **Flora** : Hogweed. Hemlock. Willow Herb].

1959 Carlisle Journal. 6th February, 1959. Seen in the City. Seldom seen inland. Reluctant to Leave. Fieldfare Fulfilment. The Crow Returns. Wild Geese Cry. Stately Teasel. Killed by Diesels. [Subjects include : **Birds** : Northern Lesser Black-backed Gull Race. Fieldfares in great numbers. Carrion Crow in the City. Solway Wild Geese. Burgh Marsh. Birds killed by Diesel Locomotives].

1959 Carlisle Journal. 20th, February, 1959. Told not to cycle. Trusted Steed. Song of Skylark. Badger Activity. The Badgers Food. Guided by Scent. Road Work Disclosures. Ancient Remains. Interesting Discovery. [Subjects include : Cycling. Glacial Boulder. Ancient Earthworks and

Burials. **Birds** : Skylark. **Mammals** : Badger].

1959 Carlisle Journal. 6th March, 1959. At the Heronry. Not so Spreading. Sticky Buds Wanted. The Keeper Arrives. Few Herons. Later than formerly. The Rooks Inspect. Wood Pigeons. Skybeck Wood. Roe Deer Pair. [Subjects include : **Birds** : Herons/Heronries. Curlew. Peewits/Lapwing. Green Woodpecker. Tawny Owl. **Mammals** : Roe Deer. **Flora** : Snowdrops. **Trees** : Horse Chestnut Buds].

1959 Carlisle Journal. 13th, March, 1959 A Winning Week. First Flower. "Foalsfoot". Beckside Alders. Pet Mouse Mystery. Waxwings Again. Cry of the Curlews. Gulls Return. Avian Highway. [Subjects include : Ernest Blezard. **Birds** : Waxwing. Curlew. Coot. Lesser Black-backed Gull in Carlisle. **Flora** : Coltsfoot. **Trees** : Alder catkins.].

1959 Carlisle Journal. 20th, March, 1959. Fell and Tarn. Spring meets Winter. A Thousand Gulls. Curious Display. Speed and Grace. Distinctive Voices. A Ravens Return. Darkness falling. [Subjects include : Tindale Fells. **Birds** : Curlews. Redshank. Skylark. Black-headed Gulls. Gulls flying display. Bewick Swans. Raven].

1959 Carlisle Journal. 27th, March, 1959. Waxwing Visitation. Recent Incidents. Preparing to depart. Birds of Passage. Ouzel and Wheatear. The Golden Plover. Winter Visitors. Also Perplexing. [Subjects include : E. Blezard. **Birds** : Waxwings, Fieldfares. Ring Ouzel. Wheatear. Meadow Pipit. Golden Plovers-Northern and Southern Races. Goosanders].

1959 Carlisle Journal. 3rd,April, 1959. An Easter Outing. Typical of March. Attractive Gorge. Changing Scene. Departing Fieldfares. Badger and Roe Deer. Alarm and Curiosity. Deceptive Crossing. Newcomer to Moors. [Subjects include : Gilsland. River Irthing. **Birds** : Fieldfares. Jackdaws. Golden Plover. Titlark. Sparrowhawk. Jackdaws. **Mammals** : Badger. Roe Deer. Otter Marks]. [Raptors].

1959 Carlisle Journal. 10th. June, 1959. Flowers in Spring. Matter of Environment. Railside Flowers. A Second Series. Local Names. April Migrants. Departing Redwings. Cries in the Night. Oystercatcher inland. Heard Again. High-flying Migrants. [Subjects include : Science of Ecology. **Birds** : Redwings. Migration cries. Oystercatchers. Bar-tailed Godwit ? **Flora** : Butterbur. Horsetails or "Paddick Pipe." **Trees** : Alder. Sallow buds.].

1959 Carlisle Journal. 17th. June, 1959. Re-visiting Geltsdale. The Three Areas .A Long Way. Goosanders. Old Water. Woodpeckers. Tracks and Bridges. An Old Road. Old Coal Mines. Remote and Peaceful. [Subjects include : Geltsdale (Middle, Lower and Upper). Pennines. Hynam Bridge, Geltsdale House. "Miners Cabin". Tarnmonarth Fell Miners. **Birds** : Goosanders. Great Spotted Woodpecker. **Mammals** : Sheep].

1959 Carlisle Journal. 24th, April, 1959. A Disappointment. Suggests the Worst. The Herons Desert. Census Revelation. Amazing Incident. Hunter and Hunted. Exciting Chase. Kestrel Frustrated. New Behaviour. [Subjects Include : Corby High Wood. H.A.MacPherson. **Birds** : Herons and Heronries. Kestrel Hunts a sparrow on a railway turntable. **Mammals** : Hedgehog]. [Raptors].

1959 Carlisle Journal. 1st, May, 1959. Glorious Springtime. Colour and Gaiety. Enchanting Scene. Loveliest of Trees. Landscape makers. Willow Warbler. The Wood Warbler. Blackcap. Petteril Valley. Barrock Park. Plain of Cumberland. [**Birds** : Warblers. Willow Warblers. Chiffchaff. Wood Warbler. **Flora** : Dandelions. Celandine. Primroses. **Trees** : Cherry Blossom].

1959 Carlisle Journal. 8th May, 1959. Those ill winds. The "Helm". Morning Chorus. Weasel on Sidings. Cries in the Dark. Woodcocks "Nest". Very Little Cover. [Subjects include : "Helm Wind". Cross Fell. **Birds** : Willow Warbler. Thrush nest on railway wagon. Grey Wagtail. **Mammals** : Weasel. Stoats. **Flora** : Garlic Mustard or "Jack by the Hedge. Dandelion].

1959 Carlisle Journal. 15th, May, 1959. Bait for a Fox ? Placed as a Bait. Boyhood Haunts. Lush Growth. Changes. A Remarkable Man. Still Fishes. The Old Mill. Bog Oak. [Subjects include : "The Flow". Field Systems. Wedholme Flow. Pest traps. **Birds** : Woodcock. Sedge Warblers. **Trees** : Black Oak Trunks].

1959 Carlisle Journal. 22nd May, 1959. Storm Aftermath. Boulders Dislodged. Hour of Havoc. Trout More Numerous. New Kind of Ants. Pied Flycatcher. Ring Ouzels Nest. "Summer Snipe". [Subjects include : Geltsdale House. **Birds** : Green Woodpecker. Pied Flycatcher. Ring Ouzel. Sandpiper or "Summer Snipe". I**nsects** : Varieties of Ants. **Fish** : Trout in River Gelt. **Trees** : Bird Cherry, "Hockberry".Alders. Birch. Rowan].

1959 Carlisle Journal. 29th May, 1959. The Wagtail Family. Misleading names. Decidedly Scarce. Nesting in Carlisle. On the Swifts. Railway Yard. [Subjects include : H.A.MacPherson. **Birds** :

Pied Wagtail. White Wagtail. Grey Wagtail. Yellow Wagtail and nest. "Ray's Wagtail"].

1959 Carlisle Journal. 19th June, 1959. Good luck and Bad. Week in the Wilds. Deserted Dwellings. Birds at Broadside. Owl on Eggs. Brood of Woodcock. Parent Carries Chick. [Subjects include : North Pennines. Christianbury Cragg. Lynestead. **Birds** : Swallow. Cuckoo. Rock Dove. Woodcock. Barn Owls].

1959 Carlisle Journal. 26th June, 1959. Woodcock on Fells. At the Peats. The Beck Ground. Nesting Curlew. Roe Deer. Pleasant Surprise. [Subjects include : Broadside. Peat Cutting. Kettle Head. Lyne Valley. Birds : Swallows Nesting. Lyne Valley. Woodcock. Mistle (Missle) Thrush. Curlew Nest. Ring Ouzel. Peewit. Golden Plover. Snipe. **Mammals** : Roe Deer. **Reptiles** : Adder. **Flora** : Cinquefoil].

1959 Carlisle Journal. 3rd July, 1959. A Day at Bewcastle. Cross Hill. Christian Cross. Goosander Country. The Nest. The Sitting Bird. Angry and Anxious. No Pictures. [Subjects include : **Birds** : Goosander Nest. **Flora** : Marigolds. Buttercups. Ragged Robin. Heather. There is a photograph of Ritson Graham with his Grand daughter, Linda].

1959 Carlisle Journal. 10th July, 1958 Four-day Expedition. Good Visibility Essential. Direct Route. Seldom Planned. Welcome Lift for Pack. Fosse of the Galwegians. No Wild Goats Seen. Change in Plant Life. An Uncanny Silence. Malcolm's Still. [Subjects include : Northumberland Boundary. Christianbury Crag. Red Sike. Shepherds. Birds : Carrion Crow. **Mammals** : Wild Goats. Flora : Cloudberry or "Knoutberry". Whortleberry].

1959 Carlisle Journal. 17th July, 1959. Where Becks are Born. Meeting of the Waters. Abode of Wild Birds. Scarcity of Ravens. First of the Mole Hills. Cultivation. [Subjects include : Irthing Head. **Birds** : Goosanders. Peewits/Lapwing. Redshank. Snipe. Sandpiper. Dunlin. Dipper. Ravens. Wheatear Plumage. **Mammals** : Moles.

1959 Carlisle Journal. 21st August, 1959. Those August Evenings. Enchanting time of the year. Changing Back Roads. Repetitive Song. Unique Landscape. Possible Explanation. Off to their Feeding Haunts. [Subjects include : Hedgerow management and effects upon plants and wildlife. Roadside Verges. Cows and Verges. Oak Trees. Inglewood Forest. Drainage. Grain Stocks and Stooks. **Birds** : Yellow Bunting. Wood Pigeons. Common Gulls. Mallard. **Trees** : Oak Trees.].

1959 Carlisle Journal, 28th August, 1959. Autumn Early this Year. Noticeable Among Young Birch. Fast Ripening Wild Fruit. The Bramble Crop. Peacock Butterflies. More Marked this Year. One of the Rare Tits. Hedgehogs in Town. [Subjects include : Ernest Blezard. Campfield Marsh. Mushrooms. **Birds** : Curlews. Marsh Tit. **Insects** : Butterflies : Large White. Green-veined. Wall. Peacocks. **Mammals** : Red Squirrel Decline. **Fungi** : Mushrooms. **Flora** : Blackberries].

1959 Carlisle Journal. 4th September, 1959. Hamlet of Beaumont. Roman Builders. Eliminated Detour. Birds on the River. Brambles in Plenty. Changes on the Farm. Things of the Past. Corncrake scarcity. [Subjects include : Roman Wall. 'Waths'. 'Carbed Islands'. "Holmes Lonning". Harvest. Milking Machines. **Birds** : Curlew. Redshank. Sandpipers. Black-headed Gull. Common Gull. Lesser Black-backed Gull. Corncrake].

1959 Carlisle Journal. 11th September, 1959. History Abounding. Memorable Excursions. Barron's Pike. Written Rock. Uncommon Moths. Un-occupied "Strong House". [Subjects include : Bewcastle Cross. Bronze age dwellings. Woodhead. Grass of Parnassus. Kirkbeck Valley. **Birds** : Mallard. Migrating Meadow Pipits. Barn Owls. Widgeon. Goosanders. Mergansers. **Insects** : Mountain Carpet Moth. Mottled Carpet Moth. **Flora** : Thistles].

1959 Carlisle Journal. 18th, September, 1959. On Solway Marshes. Eden in New Light. A Mixed Company. They Come and Go. Welcome Visitors. High Pitched Whistle. Elegant and Attractive. Changing Plumage. [Subjects include : Solway Marsh. Rockcliffe. Burgh by Sands. Low Tide. **Birds** : Black-headed Gulls. Common Gull. Lesser Black-backed Gull. Curlew. Lapwing/Peewit. Golden Plover. Greenshank].

1959 Carlisle Journal. 25th September, 1959. Rare Visiting Bird. Job for an Expert. Other Divers. Many feed on fish. Of Great Interest. Liberated on the Irthing. [Subjects include : H.A.MacPherson. **Birds** : Black-throated Diver. Divers in general : Great Northern and Red-throated Diver.

1959 Carlisle Journal. 2nd, October, 1959. Bird with "Nowt on it". "doon theer". Search of a dyke. Odd and Exceptional. The Geese Arrive. Ravens for Company. [Subjects include : **Birds** : Black-throated Diver. "Sawbills". Pink-footed Geese. Ravens].

1959 Carlisle Journal. 9th , October, 1959. Redwings Here Again. Harbingers of Change. Not All Hear It? Most Numerous Ever. Mushrooms Appear. Among the Potatoes. Brambles Going to Waste. Can

You Solve this Mystery? (Lost Pillowcase). [Subjects include : **Birds** : Redwing. **Fungi** : Mushrooms. **Insects** : Butterflies and Moths, Red Admiral. Small Tortoiseshell. "Whites". Wall. Fritillaries. Peacock. Tiger Moths. Hawk Moths. Angle Shades].

1959 Carlisle Journal. 16th October, 1959. Visit to Scalby Moss. Link with Carlisle. Extensively Worked. Unlike other Peat Areas. Tree Growth. Old Houses Here. The Bird Life. Magpies and Jays. [Subjects Include : A Carlisle Natural History Meeting. Peat for Fuel. Tits. Treecreeper. Warblers. Pipits. Marsh and Willow Tits. Magpies. Jays. Redwing. **Mammals** : Hares. Roe Deer Tracks. **Flora** : Sundew. Bog Asphodal. Cranberry. Andromida. **Trees** : Tree Growth.].

1959 Carlisle Journal. 23rd October, 1959. This Welcome Change. Welcome Water. Calling of Redwings. Large Numbers on the Move. White-headed Blackbirds. Albino Robin. Wild Geese on Park Ponds. [Subjects include : **Birds** : Redwing Migration. Blackbirds. Albinism. Robin. Wild Geese].

1959 Carlisle Journal. 30th October, 1959. A Caldbeck Mystery. Shepherd Attacked. Mystery Unsolved. Suggested Explanation. Features of Polecat. Very rare Indeed. Polecat/Ferret. [**Mammals** : Report of a Shepherd attacked by either Polecat / Pine Marten / Polecat Ferret].

1959 Carlisle Journal. 13th. November. About a Great Estate. The Stately Stamp. Loveliness in the Tangle. Partridges Get Away. Wood Pigeons Galore. Where were the Hares? [Subjects include : **Birds** : Partridge. Blackbirds. Robin. Wood Pigeons. **Flora** : Red Clover. Sow Thistle. Chickweed. Corn Spurry. **Trees** : Woodlands. Oakwood].

1959 Carlisle Journal. 20th November, 1959. Never a Dull Week. Observation Opportunities. Variety of Wild Plants. Buzzards and Roe Deer. In Spate Again. Eden and Caldew Rivers. Why the Differ. [Subjects include : Rivers Caldew & Eden. **Birds** : Bullfinches. Goldfinches. Herring Gull. Buzzard. **Mammals** : Roe Deer]. [Raptors].

1959 Carlisle Journal. 27th November, 1959. On the Marsh. Dismayed Magpies. Resident Gull. About 2,000 Geese. Seen from the Hut. [Subjects include : Esk Estuary. **Birds** : Kestrel. Magpies. Lesser Black-backed Gull. Goosanders. Heron. Redshank. Mallard. Pink-footed Geese]. [Raptors].

1959 Carlisle Journal . 4th December, 1959. Spring in Winter. Waxwings Near Wigton. Call from Brampton. Buds now Appearing. [Subjects include : **Birds** : Waxwings. Blackbirds. Lesser Black-backed Gulls. **Trees** : Sycamore buds appearing].

1959 Carlisle Journal. 11th, December, 1959. A Wild Week. Difference in Sound. Rings on their Legs. Rat or Vole? [Subjects include : **Birds** : Tawny Owl. Barn Owl. Black-headed Gull with Ring on Leg. **Mammals** : Rats and Water Voles. Rodents].

1959 Carlisle Journal. 18th, December, 1959. Winter Walking. By Muddy Ways. Holly Berries Scarce. By the Beck. This was New Terrain. The Field of Kale. [Subjects include : **Birds** : Rooks. Starlings. Wood Pigeons. Redwing. Pheasant. **Flora** : Polypody. Hard Fern. **Trees** : Holly].

1960 Carlisle Journal. 1st January, 1960. Nature's promise and fulfilment : Harbringers of Spring. Winter and hard weather. Sociability among birds. The Tits in Winter. How Roe Deer fare. A Lovely Animal. Fell-side farm incident. Hunger-the great leveller. [Subjects include : **Birds** : Lack of Insect food. Tit Survival. Goldcrest. Red Grouse. Black Grouse. **Mammals** : Roe Deer. Wild Goats. **Flora** : Mosses/Lichens. **Trees** : Sallow. Hazel. Chestnut].

1960 Carlisle Journal. 8th January, 1960. When Winter comes : What we expect of March, Value of the "early bite". Specialists at work. Fascination of wildfowl. Shore & Estuary. The Countryside in winter. Either they do or they don't. [Subjects include : Fellside Grass. **Birds** : Ducks, Divers and Waders. (Some pieces missing].

1960 Carlisle Journal. 15th January, 1960. Black Grouse Query : A habit of the species. They like the berries. Extinct in some places. A Winter habit. Nuptial display. Why Stoats turn white. Matter of latitude. Relic of the past. [Subjects include : **Birds**: Flocking behaviour. Black Grouse. **Mammals** : Stoats. **Trees** : Hawthorn, Rowan and Bilberries].

1960 Carlisle Journal. 22nd January, 1960. Changing scene by the beck : The Rooks return. A Green Sandpiper. Frequent the same place. Guide to identification. [Subjects include : **Birds** : Rooks. Green Sandpiper. **Trees** : Alders].].

1960 Carlisle Journal. 29th January, 1960. Reflections following the rain : Good time for ducks. Wood Pigeon problem. Dykes down. A Lane transformed. Position simplified. [Subjects include : **Birds** : Tufted Duck. Pochard. Pinkfooted Geese. Wood Pigeons. Robin. Hedge Sparrow. Blue Tits and their movements].

1960 Carlisle Journal. 5th, February, 1960. The State of the Rivers. Freshwater Mussels. The Pearl Mussel. Examining landscape. Pipit and Goldfinch. A early Blackhead. A remarkable sky. Not common in area. Outstanding tree. [Subjects include Cloud Formations. **Birds** : Goldfinches. Meadow Pipit. Bewick's Swans. Mute Swan. Black-headed Gull. **Molluscs** : Swan Mussels. **Trees** : Black Poplar Tree].

1960 Carlisle Journal. 12th, February, 1960. Wood in the valley : Unusual haunt for swans. Certain of catkins. A Squirrel came. Long continued poise. Active in mid-winter. Roe Deer highway. Woodpigeon flock. Call of a Woodpecker. [Subjects include : **Birds** : Rook. Mute Swan. Woodpigeons. Great-spotted Woodpecker. **Mammals** : Red Squirrel. Roe Deer. **Trees** : Hazel].

1960 Carlisle Journal. 19th, February, 1960. Mantle of snow over countryside : Beautiful bird. Frustrated Peewit. Harbingers of Spring. Tracks in snow. A line of wild geese. [Subjects include : **Birds** : Wigeon. Peewits/Lapwing. Golden Plover. Skylarks. Fieldfares. Redwing. **Mammals** : Fox tracks].

1960 Carlisle Journal. 26th, February, 1960. Little change in the countryside : Ten-mile circuit. Gates a problem. Snow broth on becks. Peewits & Curlew. Lambs at play. [Subjects include : Farm gates. **Birds** : Lapwings/ Peewits. Curlew. Dipper. **Flora** : Snowdrops].

1960 Carlisle Journal. 4th, March, 1960. These are inspiring days : Where the wild geese go. Dislike the night frost. Long and short journeys. Most come to the Solway. Feeding forays. Birds begin to sing. City rabbits scarce. [Subjects include : Rockcliffe Marsh. **Birds** : Wild Geese. **Mammals** : Rabbits. **Flora** : Coltsfoot].

1960 Carlisle Journal. 11th, March, 1960. Wonderful Weekend : Peewit's love song. Ghost-like Woodcock. Drumming Snipe. Deserted Heronry. Unaccountable happening. Other interests. Flattered to deceive. [Subjects include : **Birds** : Lapwing. Woodcock "Roding". Snipe "Drumming". Herons. Corby High Wood Heronry. Rooks. Curlew. **Mammals** : Roe Deer].

1960 Carlisle Journal. 18th March, 1960. Springtime advance maintained : Birds in Song. Pleasant companion. Woodcock on Fells. The Green Woodpecker. [Subjects include : **Birds** : Curlew. Lapwing. Thrush. Blackbird. Green Woodpecker. **Flora** : Coltsfoot. Barren Strawberry. Chickweed].

1960 Carlisle Journal. 25th, March, 1960. Hedgehog has rude awakening : Pitiful cries. Trapped Hedgehog. Pearl found in Eden. Spring looks on streams. The Reed Bunting. Cries in the night. [Subjects include : Pearl Mussel-River Eden. Birds : Reed Bunting "Reed Sparrow". Greenshank. **Mammals** : Hedgehog. **Flora** : Butterbur. **Trees** : Alder].

1960 Carlisle Journal. 1st, April 1960. Penetrating wind on the Moors : Penetrating chillness. Landscape in technicolour. Pleasant surprise. Magic touch of sunshine. Kestrel & Raven. Dignity and impudence. [Subjects include : **Climate** : Helmwind? **Birds** : Goosander. Kestrel. Raven. Stock dove. Dipper]. [Raptors].

1960 Carlisle Journal. 15th April,1960. A return to Spring-like conditions : Due to the wind. Spring visitors arrive. Ravens nest in Winter. Fells yet bare. Attractive bird badly named. [Subjects include : **Birds** : Migrants. Ring Ouzel. Raven. Wheatear. Lapwing. Meadow Pipit. Warblers. Grey Wagtails. **Mammals** : Bats. **Flora** : Nettles. Dandelions. **Trees** : Wild Ash].

1960 Carlisle Journal. 22nd April, 1960. Easter time transforms the fell tarn : Annual awakening. The Valley of Song. Few and far between. Belated visitors. Strange visitors. Never fails to impress. Plaintive tune. [Subjects include : **Birds** : Peewits. Redshank. Dunlin. Goosanders. Goldeneye. Tufted Duck. Lesser Black-backed Gull. Golden Plover. Merlin]. [Raptors].

1960 Carlisle Journal. 29th April, 1960. Lambing time on the fells : Weakling lambs. Deserted dwellings. Ancient plough. Christianbury reflections. On the Crags. In the forest. [Subjects include : **Birds** : Barn Owls. Bullfinch. Woodcock. Red Grouse. Meadow Pipits. Roe Deer. Mallard. Raven. **Mammals** : Roe Deer. Lambing. Missing Wild Goats].

1960 Carlisle Journal. 6th May, 1960. May Day in a vernal paradise : An ideal setting. Islet of flowers. Parish Boundaries. The Dawn Chorus. [Subjects include : May Day. Boundary stones : **Birds** : Jay. Bullfinch. Oystercatcher. **Insects** : Swarming Bees. **Flora** : Violets. White Anemone. Wild Hyacinth. Toothwort. Meadow Saxifrage. **Trees** : Cherry. Blackthorn].

1960 Carlisle Journal.. 27th, May, 1960. Holiday Memories : May morning at the Croft. In Sheep country. Story of a cauldron. [Subjects include : Bewcastle and Gilsland Fells. Black Moss- site of a Romano-British Cauldron-donated to Tullie House. **Birds** : Cock-pits. **Mammals** : Lambing].

1960 Carlisle Journal. 3rd, June, 1960. Exploration on the Moors : A new route. Deserted by Gulls. A

"Tame" Trout. [Subjects include : Bewcastle. Whitehill. **Birds** : Golden Plover. Meadow Pipit. Redshank. Curlew. Black-headed Gull Colony failure. Whooper Swans. Sparrows decreasing. Robin. **Mammals** : Fox depredation. Rabbits. Brown Hare. **Fish** : Trout].

1960 Carlisle Journal. 10th, June, 1960. Exploration of Sheilings : Remarkable series of Crags. Refuge for sheep. Traversing a wilderness. Narrow and twisted Gorge. Hope House. [Subjects include : Whitehill. Sheilding enclosure. Muckle Samuels Crags. Sheep. Seven Linns. Drowningholes Sike. Chirdon Beck. Hope House. **Birds** : Blackcocks. **Mammals** : Sheep.].

1960 Carlisle Journal. 17th June, 1960. Wildlife at Whitehill : Carrion Crow. Tales of damage and cruelty. To Butterburn Linns. Oystercatchers. Inland home. Kestrels on the crags. Sunday Burn. [Subjects include : **Birds** : Dipper. Wagtail. Martins. Swallows. Sandpiper. Redshank. Shooting Carrion Crows. Lapwing. Oystercatcher. Kestrels]. [Raptors].

1960 Carlisle Journal. 24th June, 1960. Last day on the Moors : Dangerous tract of bog. Interesting Feature. [Subjects include : Horseholm. The Wou. Bogs. **Birds** : Grey Wagtail. Kestrel. **Mammals** : Water Voles]. [Raptors].

1960 Carlisle Journal. 1st July, 1960. Summer on the Solway : Group of Goosanders. Marsh land increasing. Solway silting up. Gulls watching and waiting. [Subjects include : Changing seascapes. River Esk. Carlisle Canal. Rockcliffe Marsh. **Birds** : Goosanders. Gulls. Terns. **Mammals** : Marsh Cattle. **Flora** : Sea Thrift].

1960 Carlisle Journal. 8th July, 1960. Exploring the green Lonnings : Lanes heavy with scent. Swarm of Butterflies. A young Whitethroat. Remains of Well. Of recent origin. [Subjects include : **Birds** : Whitethroat. Willow Warbler. **Insects** : Meadow Brown Butterfly. **Flora** : Unkempt hedges. Dog Rose. Honeysuckle].

1960 Carlisle Journal. 22nd July, 1960. The break in summer weather : The passing summer. Curlews come down. Scarcity of Corncrakes. Osprey in Cumberland. Recent Records. [Subjects include : **Birds** : Swallows. Corncrake - victims of mowing machines? House Martins. Peewits / Lapwings. Osprey]. [Raptors].

1960 Carlisle Journal. 29th July, 1960. Out and About - Dog days of summer. Medley of voices. Birds of the Becks. The Yellow Wagtail. Rabbits re-appearing. Visiting Gulls. The Thistle Looper. [Subjects include : Solway. Barley Crop. **Birds** : Woodpigeons. Carrion Crows. Grey Wagtails. Yellow Wagtails. Common Gulls. **Mammals** : Rabbits].

1960 Carlisle Journal. 5th August, 1960 Out and About : Wild Moorland route : Well worth a visit. Moor and Fell. Spot to picnic. Grouse Covey. Young hare looks on. "Warning appearance" White Heather discovery. [Subjects include : Langholme Esk Valley. Newcastleton Liddle Valley. Torras Water. **Birds** : Red Grouse. **Mammals** : Juvenile Hare. Lamb illness -called 'yellowses.' **Flora** : Rare White Heather].

1960 Carlisle Journal. 12th August, 1960. Out and About. Signs of Autumn on Countryside : Ways of the Willow-herb. In an old fireplace. Straw pleat expert. Known by their tails. The Green Sandpiper. [Subjects include : Hay Harvest. Road-side verges and their destruction. **Birds** : Green Sandpiper. Wheatear. Redstart. Sandpiper. Wagtails. **Flora** : Meadow Sweet. Ox-eyes. Rosebay Willow-herb. **Trees** : Rowan].

1960 Carlisle Journal. 19th August, 1960. Out and About : A car ride in the moorland country, Across the open moor. Green-backed Peewits. Removing the fords. A Rare Rush. [Subjects include : Gilsland Moors. Churnsike Lodge. Haymaking. River Irthing. **Birds** : Peewits. Wheatears. **Flora** : Bull Rush].

1960 Carlisle Journal. 26th August, 1960. Out and About : Countryside is "Clashed" after heavy rain. A rare specimen. Plant book definition. Tree stump observation. Herons appear. Strange behaviour. All very mysterious. Familiar bird call. [Subjects include : **Birds** : Ducks in "eclipse". Heron. Marsh Tits. **Flora** : Knapweed. Harebell. Hemlock. Wild Chicory or "Succory"].

1960 Carlisle Journal. 2nd September, 1960. Out and About : Migratory birds set problem by night cry, Difficult to identify. Unusual crossing. Curlews on Coast. A brambling expedition. [Subjects include : **Birds** : Bird Migration. Bar-tailed Godwits. Curlew. **Flora** : Picking Blackberries].

1960 Carlisle Journal. 9th September, 1960. Out and About : Rain and wind havoc amongst the Stooks. Few harvesters in action. Armathwaite Woods. Wealth of Colour. Autumn harbingers. Bizarre bird life. Timid Roe Deer. [Subjects include : **Birds** : Blackbirds. Great-spotted Woodpecker. **Mammals** : Roe Deer. **Fungi** - Fly agaric. Puff-balls. **Flora** : Autumn Harvest. Elderberries. Gorse, Centaury].

1960 Carlisle Journal. 16th September, 1960. Out and About : Autumn blooms attract strange Butterflies. Unusual Butterflies. What post brought. Evil looking appearance. Elephant Hawk Moth. Coming and going. The biter bitten. [Subjects include : **Birds** : Golden Plover. Migration. Swifts. Tawny Owl. **Insects** : Butterflies - Peacock and Red Admiral. Elephant Hawk-moth].

1960 Carlisle Journal. 23rd September, 1960. Out and About : September on the Solway. Flotilla of swans. A dead Gannet. Beautiful migrants. Visitors from afar. Ever-changing pattern. Marsh flowers fade early. [Subjects include : Birds : Mute Swans. Gannet. Greenshank's. Curlew. Peewit/Lapwing. **Flora** : Rest-harrow. Sea Spurry, Sea Asters].

1960 Carlisle Journal. 7th October, 1960. Out and About : "Harvest Home" on the Countryside. Boyhood days recalled. Drawing 'Straw' and making 'Symes'. Task not so simple. Hedgerow Harvest. Food for birds. Wheatears again. [Subjects include : Straw and stacking. Corn. **Birds** : Wheatears. Migration. **Trees** : Horse Chestnut].

1960 Carlisle Journal. 14th October, 1960. Out and About : A week in Bewcastle. Invigorating tonic. On the Fells. At the sheep fold. In the forest. White Owl. Back with a bang. 'Kings Stables'. [Subjects include : **Climate** : Stormy weather. Broadside. Kettle Hall. **Birds** : Red Grouse. Pipits. Barn Owl. **Trees** : Crab-apples].

1960 Carlisle Journal. 21st, October, 1960. Out and About. He goes around sheep farms. Goosander nest. Farm flowers. Active at 85. Bridges quaint and narrow. Border-raid reminders. Return not easy. [Subjects include : Shepherds. Bewcastle Fell. Border raids. **Birds** : Goosanders].

1960 Carlisle Journal. 28th, October, 1960. Out and About : Signs of winter. Wild Geese arrive. Two kinds of Geese. Redwings return. Carrion Crows in the city. Hare and motor cars. [Subjects include : **Birds** : Migration. Greylag Geese. Pinkfooted Geese. Redwing. Carrion Crows Choughs in Cumberland. **Mammals** : Hare].

1960 Carlisle Journal. 4th November, 1960. Out and About : A week of wild Blackbirds. Three in the city. In railway sidings. Goldfinches not afraid. No place like the woods. Beauty of the Wild Cherry. [Subjects include : Ernest Blezard. Albino Blackbirds. **Trees** : Wild Cherry].

1960 Carlisle Journal. 11th November, 1960. Out and About : Tramp over wet countryside. Oak defies weather. Fieldfares are here. Rubber boots were useful. Signs of the Woodpecker. Woodcock. Rooks. It happened before. A tail lashing squirrel. [Subjects include : **Birds** : Fieldfares. Great-Spotted Woodpecker. Green Woodpecker. Tits. Woodcock. Rookeries. **Mammals** : Red Squirrel. **Flora** : Hawthorn "Cat-haws"].

1960 Carlisle Journal. 18th November, 1960. Out and About : A wet journey in Lakeland. Autumn tints. Herons on wing. Three-decker pulpit. Wordsworth Country. Fascinating scene. [Subjects include : Mungrisdale. Kirkstone Pass. **Birds** : Fieldfares. Herons].

1960 Carlisle Journal. 25th November, 1960. Out and About : November can be unpredictable. Hidden Beauty. Startled Brown Hare. Berries and wild fruit. Flight of Redwings. Owls begin to hoot. [Subjects include : **Birds** : Redwing. **Mammals** : Hare. **Flora** : Various red berries. **Trees** : Catkins].

1960 Carlisle Journal. 2nd December, 1960. Out and About : White blackbirds in the city. Albinos. "Quite a few about" Autumn Bird Song. Kestrels in city. New birds in new places. Rarely seen in pairs. Gulls provide a problem. [Subjects include : **Birds** : Albino Blackbirds. Native Thrush. Kestrels. Migration. Robins. Resident Gulls]. [Raptors].

1960 Carlisle Journal. 9th December, 1960. Out and About : Golden Eagle found trapped. Trapped on Orton Scar. Vagrants on crags. Return to Christianbury. Nest was found empty. Possible return. Eagles list of victims. [Birds : Golden Eagle]. [Raptors].

1960 Carlisle Journal. 16th, December, 1960. Out and About : Frost after floods is a rare reversal. Alternative is sticky. Christmas card landscape. Cowering in frozen fields. Stoat turning white. Relic of Ice Age. Scotch Hare in Cumberland. Arctic Darkness. [Subjects include : Climate : Wet landscape. Hoar Frost. Field lanes. **Mammals** : Scotch Hare. Stoat].

1960 Carlisle Journal. 23rd, December, 1960. Out and About : Gathering Holly for Christmas. Birds eat the berries. Drawing a blank. First and second class Holly. Where did you get it? Trail of the hunt. The Rare Goldcrest. Mild-day and insects. [Subjects include : **Birds** : Reed Buntings. Tits. Wrens].

1961 Carlisle Journal. 6th. January, 1960. Out and About. Year end hastened by drowning : Spell between the showers. Moon shine reveries. View from the bridge. Noises at dusk. Wagtails by the river. Handsome birds. [Subjects : The Moon. Morning bird-calls. Cockerels. Brown Owl. Barn Owl.

Blackbirds. Hedge sparrow. 'Blue-dikie'. Grey Wagtail. Yellow Wagtail].

1961 Carlisle Journal. 13th January, 1961. Out and About. Memories of the Cross Fell Country. Sleeping in the barns. Nesting Buzzards. Tiring Journeys. Magnificent scene. Wayside Inn. [Subjects include : Great Dun Fell. Cross Fell. Knock Village. Radar Station. Barns and Lofts. Byres. Cycling excursions. **Birds** : Buzzards]. [Raptors].].

1961 Carlisle Journal. 20th January, 1961. Out and About : Fog is the countryman's worst enemy. [Subjects : Bird calls. Mountain mist. Weather on Cross Fell. **Birds** : Bird Calls. Swans. Blackbird. Hedge Sparrow].

1961 Carlisle Journal. 3rd February,1961. Out and About : A walk in the park to meet some ducks : Birds in the gale. Lost on the moors. [Subjects include : Lost Glider Pilot : Sergt T. Manley. **Birds** : Tufted Duck. Pochard. Wigeon. Chaffinches. Yellow Buntings. Skylarks. Fieldfare. Redwing. Bullfinch. Partridge covey].

1961 Carlisle Journal. 10th February, 1961 Out and About. Already you can see the better weather ahead : Gulls galore. Rare Tits. The first one. [Subjects include : **Birds** : Tufted Duck. "Fields full of Gulls". Marsh Tit. Willow Tit. **Flora** : Crocus. **Trees** : Pussy Willow. Wood Felling].

1961 Carlisle Journal. 17th February,1961. Out and About : My, what a difference this week has made! Glow in the Gorse. Singing all day. Flying visits. Hares and mice. First flowers welcome. Curlew. [Subjects include : Freeman's Well Wood **Birds** : Rooks. Curlew. Lapwing/Peewits. **Mammals** : Hare. Shrews. Dark brown mouse **Flora** : Pussy Willow. Crocus. Wood Felling].

1961 Carlisle Journal. 24th,February, 1961.Out and About : This exploring is fascinating-but not for fussy mums. Alive and kicking. The Curlews return. The Russian Lady. A price on their heads. [Subjects include : The Planet Venus. **Birds** : Curlew. Cormorants on the Eden. **Insects** : Centipedes. Millipedes. Beetles. **Flora** : Sorrel]

1961 Carlisle Journal : 3rd March, 1961. Out and About : A few short days of brilliant bloom. A rare city bird. The lovely swan. Could it be a bat? First nesting birds. (Cutting incomplete). [Subjects include : **Birds** : Dawn chorus. Blackbirds. Song Thrush. Mistle Thrush. "Stormcock". Treecreeper. Mute Swan. Raven. Heron. Bat 'Pipistrelle'].

1961 Carlisle Journal : 10th March,1961. Out and About : Its still pretty bleak up on the Moors. Bronze look. Expanse of fire. Great waste. Badger earth. [Subjects include : **Birds** : Fieldfare. Ravens. **Mammals** : Red Squirrel. Stopped badger sett. **Flora** : Hill-bent Grass and Flying-bent Grass. Prickly Shield Fern].

1961 Carlisle Journal : 17th March,1961. (Clipping damaged). Out and about. March winds and wild flowers : Spring favourite. Ringed geese. Cathedral Magpie. Crying Curlews. [Subjects include : Solway. **Climate** : "Blustering winds". **Birds** : Pink-footed Geese. Migration. Magpie. Curlews. **Flora** : Primrose.Mouse-eared Chickweed. Trees : Alders].

1961 Carlisle Journal : 24th March,1961. Out and About : More signs of Spring. Bats abroad. Late Swallow or House Martin? Great Grey Shrike (A dead specimen found near Rockcliffe). "Butcher Bird". Wagtails return. [Subjects : Birds : Great Grey Shrike. Iceland Redwing. Pied and Grey Wagtails. **Fish** : Brown Trout. **Mammals** : Pipistrelle Bat. **Flora** : Butterbur or "Wild Rhubarb"].

1961 Carlisle Journal. 31st March,1961. Out and About : Visit to the Heron Wood : Wayside Flowers. March Wind's. Toll. The Carp Ponds. Busy Rookery. Old Nests Occupied. [Subjects include : **Birds** : Herons. Rookeries. **Flora** : White dead nettle. Dog violet. Moschatel. White Stitchwort. Wood Sorrel. Barren Strawberry. **Trees** : Yew. Willow. Sallow. Chestnut].

1961 Carlisle Journal. 7th, April,1961. Out and About : An expedition in the Snow. Pelting Rain. Flooded Ford. Sodden interior. Cheerful birds. House Ruins. Leaping Water. [Subjects include : River Irthing. Peat Moss. Butterburn Flow. **Birds** : Skylarks. Golden Plover. Redshank. **Flora** : Spagnum. Cotton Grass].

1961 Carlisle Journal : 14th, April, 1961. Out and About : Ramble by Tarn and Fell. Wonderful Gorge. Tarn visitors. Coming and going. Hardy Grouse and Pipits. [Subjects include : **Birds** : Peewits. Curlew. Skylarks. Redshank. Goldeneye. Bewick Swan. Tufted Duck. Lesser Black-backed Gull. Reed Bunting. Red Grouse. Meadow Pipit. **Mammals** : Hare].

1961 Carlisle Journal.: 21st April.1961. Out and About : Glory of a Poets April. [Subjects include : **Birds** : Lapwing /Peewit. Curlew. Willow Warbler. Whitethroat. Sedge Warbler. Grasshopper Warbler. Blackcap. **Mammals** : Water Shrew. Pygmy Shrew. **Flora** : Toothwort.]

1961 Carlisle Journal : 28th April, 1961. Out and About :The strange case of crafty Crow : Amazing fact.

Lone Range. Safe areas. Farmers bag. Ridiculous. [Subject : **Birds** : Carrion Crow].

1961 Carlisle Journal : 5th May, 1961. Out and About : Saturday in Gelt Country. Wilder reaches. Cascading water. New-born lambs. Unusual pair. Missing for years. [Subjects include : River Gelt. Hynam Bridge. **Birds** : Stonechat. **Mammals** : Lambs. Red Squirrel].

1961 Carlisle Journal . 12th May,1961. Out and About : First Swift of the season. Later migrants. New wild flower. Snake in the grass. Rare Bird. Stray from zoo? [Subjects include E. Blezard : **Birds** : Swift. Whitethroat or "Nettle creeper." Night Heron. **Flora** : Oxford Ragwort].

1961 Carlisle Journal. 19th May, 1961. Out and About : This time of year. Which water. Yellow Wagtail. Eden Visitors. Pleasant Village. Old Bull-ring. [Subjects include : River Eden. Hesket-new-Market. **Birds** : Yellow Wagtail. Grey Wagtail. Terns or Sea Swallows. Common Tern. Arctic Tern. **Flora** : May Blossom].

1961 Carlisle Journal. 26th May,1961. Out and About : Return to the Heron Wood. Two against 14. Chattering young. Never moved. Deer and Woodcock. Peat cutting. Work alone. [Subjects include : **Birds** : Heronry. Woodcock. Mammals : Roe Deer. **Flora** : Peat. Buckler Fern].

1961 Carlisle Journal. 2nd June,1961. Out and About : A Day on Glasson Moss. Wild and Rough. Observant eye. Special attention. The moss birds. Out of sight. Unexpected reward. [Subjects include : **Birds** : Curlew. Meadow Pipit. Skylark. Stonechat. Shelduck. Twite. **Flora** : Peat Moss. Peat as fuel. Cotton Grass. Sweet Gale or Bog Myrtle. Rose-bay Willow Herb. Sphagnum Moss. Sundew].

1961 Carlisle Journal. 9th June,1961.Out and About : A week in the wilds of Bewcastle. [Subjects include : North Cumberland. Early settlements and Homesteads, Barns. "Meal House". Sheep Farms. Lynestead. Broadside and Kettle Hall. Turf Mounds or "Kings Stables"].

1961 Carlisle Journal. 16th June, 1961. Out and About : Wanderings in Bewcastle forests. Serve their purpose. Birds or Broadside. Roe Deer. Concern for Lambs. Serious loss. [Subjects include : Kershope Forest Zone. **Birds** : Willow Warblers. Whinchat. Linnets. Redpoll. Starling Roost (Millions?). Pheasant. Cuckoo. Female Black Grouse. **Mammals** : Roe Deer. Foxes Hunting].

1961 Carlisle Journal. 23rd June,1961. Out and About. My friends the Sheep farmers. Two weeks earlier. Adders. Favourite Haunts. A new bird. Saved. [Subjects include : Bewcastle-Gilsland Fells. **Birds** : Corn Crake. Green Woodpecker. Goosanders. **Mammals** : Wild Goats. **Reptiles** : Adders. Common Lizard. Slow Worm].

1961 Carlisle Journal. 30th June, 1961. Out and About : The Capital of Bewcastle. Border Stronghold. Wonderful view. [Subjects include : Shopford. Saxons. Peel Towers. John Barron. Runes. "Pit dwelling" Turkbeck Valley. **Birds** : Pheasant. Curlew].

1961 Carlisle Journal. 4th July, 1961. Out and About : Taking a look at Germany. Wonderful. Ears buzzing. Sunnyside. Long climb down. Shorthorns. Farming easier. [Subjects include : Flying for the first time. Cloudscapes. Holland. Hamburgh. Flensburg. Schleswig-Holstein. Arable crops].

1961 Carlisle Journal. 14th July, 1961. Out and About : R.G. in Germany. Trees, roads and bicycles. The wind. A Stork. Cyclists paradise. Much heavier. Flensburg rum. [Subjects include : Cycling. Storm. German Tavern **Mammals**. Red and Roe Deer. **Trees** : Conifer Woodland].

1961 Carlisle Journal. 21st July,1961. Out and About : Summer on the Solway. Teeming. Disappearing? Yelping Redshank sweep down. Eating eggs. Wide awake. [Subjects include : Birds : Solway shorebirds. Gulls. Terns. Lapwing. Oystercatcher. Redshank. Lesser Black-backed Gulls. Skylark].

1961 Carlisle Journal. 28th, July,1961 Out and About : 42 years on the railways. (Includes photograph). Sensible men. Blizzards. Rose-bed. Midland Red. New routes. No regrets. [Subjects include : Retirement and retrospection. Army life. Eden Valley. Yorkshire Fells. Durranhill. Upperby].

1961 Carlisle Journal. 4th August,1961. Out and About : A day in a Pennine Valley. Perfect place. Poor Hazel crop. Ancient origin. Sent sprawling. Red Grouse. Camouflage. [Subjects include : "Ancient Riggs" Ploughing. Neolithic man. **Birds** : Merlin. Red Grouse. Long-tailed Field-mouse. Partridge chicks. **Flora** : Ferns ; Buckler and Prickly. Thyme. Bog Asphodel]. [Raptors].

1961 Carlisle Journal. 11th August,1961. Out and About : Back to my boyhood haunts : Something new. The Polecat. Roe Deer. Full of fun. At Rest. Sleek dress. [Subjects include : Wedholme Flow. Mammals : Polecat/Foulmart. Roe Deer pair. **Flora** : Peat Moss. **Trees** : Scots Pine].

1961 Carlisle Journal. 18th August, 1961. Out and About : I visit the Limestone Quarry. Arresting features. A walled park. Thornless bramble. Flowers and Ferns. Roe Buck disturbed. [Subjects include : Solway. River Eden. Red sandstone. Skiddaw slate. Greystoke Park. Forestry

Commission. **Flora** : Scabious. Lady's Bedstraw. White Clover. St John's Wort].

1961 Carlisle Journal. 25th August, 1961, Out and About : A study of Bowness shore : Survey of shore. South-bound migrant. At East Whins. Hot and hard work. [Subjects include : Bowness to Anthorn. "East Whins". Criffle. Solway Moss. **Birds** : Wheatears. Greenshank. Shelduck and brood. **Mammals** : Fox tracks. **Flora** : Great or long-leaved Sundew].

1961 Carlisle Journal. 1st,September,1961. Out and About : Charms of the Caldew Valley : Access not easy. Woods and Water. A splendid show. Graceful Grass. Unusual Fox. Tell-tail squawk. [Subjects include : Dentonside. Parkend Beck. **Birds** : Green Woodpecker. **Mammals** : Roe Deer tracks. Fawn. Fox. **Flora** : Blue Cranesbill. Yellow Loosestrife. Cuckoo-pint or Lords and Ladies. Wood Vetch. Tall Broom. Giant Fescue Grass].

1961 Carlisle Journal. 8th September, 196. Out and About : September scene on Solway : Out in the storm. Plenty to see. Ceaseless babble. [Subjects include : **Climate** : Storm and thunder. **Birds** : Peewits. Oystercatcher. Gulls. Terns. Greenshank. Green Sandpiper. Mallard. Teal. Wigeon. Herons. Wheatear. Shelduck].

1961 Carlisle Journal.15th, September,1961. Out and About : Brambling beyond Beaumont: The hidden well. Breeding adornment. Attractive flotilla. Field Marigold (Corn Marigold). Horde of coins. [Subjects include : Sandstone troughs. **Birds** : Whitethroat Nest and Yellow Bunting. Goosanders. Curlew. Lapwing. Black-headed Gull. Lesser Black-backed Gull. **Flora** : Field Marigold. Blackberries].

1961 Carlisle Journal. 22nd, September, 1961. Quarried in Roman Times : By-gone commodity. Rubbed with Rudd. Romans worked there. Then and Now. [Subjects include : Sandstone quarrying. Chalk Beck. Cumdivock and Curthwaite. Tom Smith's Leap. **Birds** : Bullfinch. Tawny Owl. **Flora** : Hart's Tongue Fern].

1961 Carlisle Journal. 29th,September,1961. Out and About : A waning world of green : Green Woodpecker. Goosanders Nest. Interesting Incident. [Subjects include : Autumn colours. **Birds** : Green Woodpecker cry. Goosander and nest. Ravens. **Flora** : Dwarf Gorse. Grass of Parnassus].

1961 Carlisle Journal. 13th October,1961. Out and About : A Day on Bolton Fell : "Tinkler Holes", Where Owls Sleep. Notable visitor. Woodpeckers cry. Pear products. [Subjects : Dangers of a peat moss. **Birds** : Barn Owls. Owl casts. Willow Tit. Green Woodpecker. Red Grouse. Stonechat. Dragonfly. **Flora** : Sundew. Bog Cotton].

1961 Carlisle Journal. 20th October,1961. Out and About : Silence on the Marsh. Lonely reception. Invisible geese. Collective babbling. Patience rewarded. Goldeneye and Goosanders. Long and lean Herons. [Birds : Pink-footed Geese. Goldeneye. Goosanders. Herons].

1961 Carlisle Journal. 27th October, 1961. Out and About : Bewcastle country changes.: Burial site search. Trial and error. Interesting Legend. A rare Owl. [Subjects include : Black Lyne. Black Lyne House. Currick-Long Barrow. Legend of a "Kest" of gold. Birds : Shorteared Owl. Blackcock. Meadow Pipit].

1961 Carlisle Journal. 3rd November,1961. Out and About : After the storm. Pleasant byways. A quiet wood. Roe Deer and Hare. Kestrel and Carrion Crow. Melancholy sight. [Subjects include : Farm dispersal sales. **Climate** : Autumn gales. **Birds** : Common Gull. Kestrel. Carrion Crow. **Mammals** : Roe Deer. Hare. **Trees** : Beech. Birch. Wild Cherry. [Raptors].

1961 Carlisle Journal. 10th November,1965. Out and About : Wooded valley surprise. Buzzard in wood. A shore journey. Precision flying. A passage of Plovers. Wild Swans. [Subjects include : Solway. Buzzard. Redshank. Dunlin. Oystercatcher. Peewit. Curlew. Golden Plover. Unidentified Swans]. [Raptors].

1961 Carlisle Journal. 17th November,1961. Out and About : You can see more by car : Interesting birds. A lone Heron,. A Raven's cry. Redwings arrive. [Subjects include : Carrock Fell gabbro (Granite). **Birds** : Kestrel. Barn Owl. Herons. Redwing. Migration of thrushes. **Flora** : Autumn leaves. Great Sundew. Cranberry].

1961 Carlisle Journal. 24th November,1961. Out and About : Mist on the tarn. Wild swans. Fascinating manoeuvre A mocking echo. Memorable visit. Other wildfowl. [Subjects include : Tindale Tarn. **Birds** : Mute Swan. Bewick Swans. Wigeon. Pochard. Tufted Duck. Dipper. Fieldfare].

1961 Carlisle Journal. 1st December,1961. Out and About : A rare bird returns. Cemetery quest. The Night Heron. Rare migrant. Northern Range. A rare prize. [Subject : **Birds** : Night Heron].

1961 Carlisle Journal. 8th December,1961. Out and About : Winter walk in the country. Varied gathering.

Regular comer. The Gull group. Flocks of Fieldfares. Glacial boulder. [Subjects include : Ice Age. Upperby Park. **Birds** : Mallard. Coot. Moorhen. Tufted Duck. Pochard. Black-headed Gull. British Lesser Black-backed Gull. Herring Gull. Fieldfares. Partridge. **Mammals** : Brown Hare].

1961 Carlisle Journal. 15th December,1961. Out and About : Walk in mud and mire. Origin of Kail. The tale of a tree. Little Owl's nest. Holly gathers. Interesting events. [Subjects include : Kail (Kale) crops. River Caldew. **Birds** : Little Owl. Wood Pigeons. Gulls. Ferrets. Curlew. Albino Blackbird. **Trees** : Black Poplar].

1961 Carlisle Journal. 22nd, December,1961. Out and About : Xmas Holly quest. Quarry discovery. Haunt of birds. Mixed company. Gorse in flower. Killed by frost.[Subjects include Stubble. **Birds** : Robin. Long-tailed Tits. Goldcrest. Signs of Woodpecker activity. **Flora** : Hart's tongue Fern. Adder's tongue Fern. Gorse. Guilder Rose. **Trees** : Hazel].

1961 Carlisle Journal. 29th, December, 1961. Out and About : The shell of a Farm House. Naked roof. An uncommon pair of Gulls. The hungry birds. The beautiful Waxwings. [Subjects include : Decayed Farm House ruin (300 years old?) "Clay-dubbin". **Birds** : Great Black-backed Gull. Barn Owl. Waxwings. **Flora** : Polypody Fern].

1962 Carlisle Journal. 5th January,1962. Out and About : The Great Freeze continues : Sparrow exodus? Drear scene. Partridge covey. Tawny Owls. [Subjects include : **Climate** : Deep Winter. **Birds** : House Sparrow flocks. Fieldfare. Redwing. Blackbirds. Song Thrush. Robin. Hedge Sparrow. Snipe. Rooks. Bullfinch. Jay. Partridge. Tawny Owls].

1962 Carlisle Journal. 12th January, 1962. Out and About : Thaw a welcome change. What records show. A flu victim. Thirsty Waxwings. Starved to death. [Subjects include : Early bulbs. **Birds** : Cries of geese. Waxwings. Redwings. **Mammals** : Hill Sheep. **Flora** : Early bulbs. Christmas Rose].

1962 Carlisle Journal. 19th, January, 1962. Out and About. Visit to Snowdrop wood. Virgin surface. Changing scene. Great Skeletons. One Roe Deer. Camouflage. Perfect pattern. [Subjects include : **Birds** : Bullfinch. **Mammals** : Badger Earth. Roe Deer. **Flora** : Hart's Tongue Fern. Hogweed skeletons].

1962 Carlisle Journal. 26th, January, 1962. Out and About. Good day to visit a Tarn. Moorhouse Tarn. Uneasy birds. [Subjects include : Moorhouse or Martin's Tarn. **Birds** : Skylark. Widgeon].

1962 Carlisle Journal. 2nd February, 1962. Out and About. Wild swans on the tarn : Wild swans. Powerful voice. Now its just a bog. [Subjects include : Thurstonfield Lough. Monkhill Lough drained. Powburgh Beck. **Birds** : Mute Swans. Whooper Swans. Tufted Duck].

1962 Carlisle Journal. 9th, February, 1962. Out and About. A visit to the Solway Shore : Marsh can be misleading. Breaking up. Battering tides. Marsh herd and turf cutters. Shorter and sweeter. [Subjects include : Rockcliffe Marsh. Burgh Marsh erosion. Birds : Great Tit. Blue Tit. Yellow Bunting. Starling flocks. **Mammals** : Herdwick Sheep.].

1962 Carlisle Journal. 16th February, 1962. Out and About : By Tarn, wood and river. What happened to the ducks? Scattered. Salmon languish and die. Spring flower. Mystery of Oyster Shells. [Subjects include : **Birds** : Tufted Duck. Pochard. Little Grebe-Dabchick. Siskins. Heron. Great-spotted Woodpecker. Mallard. Teal. **Molluscs** : Oyster Shells. **Fish** : Stranded Salmon. **Flora** Coltsfoot. **Trees** : Alder.].

1962 Carlisle Journal. 23rd February, 1962. Out and About : Walk has varied interests. A taste of the Sun. Chaplin-like. The solitary drake. Flock of 200. Some curious slabs. Magpies. [Subjects include : Ancient Forest beds. Birds : Treecreeper. Goldeneye. Curlew flock. Magpie roosts. **Mammals** : Badger Sett.

1962 Carlisle Journal. 2nd March, 1962. Out and About : An early visit to the Fells. Marsh Tit. Grass is Tinder-dry. Nesting site. Primitive forms of life. Speak of Spring. [Subjects include : Fossils. **Birds** : Marsh Tit. Raven nesting site. Peewits. Dipper. Badgers - Old Badger Sett].

1962 Carlisle Journal. 9th March, 1962. Out and About : Snow and ice mar ramble. [Subjects include : Birds : Hen Merlin. Reed Bunting. Mute and Whooper Swans]. [Raptors].

1962 Carlisle Journal 16th March, 1962. Out and About : Return of the Herons. [Subjects include : **Birds** : Heronry. Lesser Black-backed Gull. Mallard. Teal. Treecreeper. **Mammals** : Evidence of deer activity].

1962 Carlisle Journal 23rd March, 1962. Out and About. Lingering winter on the Fells : Film of fire. Lonely hut. Coal drifts. Hardy Grouse. Nesting pairs. Invaders. [Subjects include : Geltsdale Fell. Swollen beck's. Reflections. "Drainers or Miners Cabin". **Birds** : Red Grouse. Curlew Flock.

Lapwings/Peewits. **Flora** : Water-cress.].

1962 Carlisle Journal. 30th, March, 1962. Out and About : A visit to the haunt of Ravens. Raven Crag. Adventure. Rolled away. Second Raven. Common sense. Liquid note. [Subject : **Birds** : Ravens Courtship display. Nest with eggs].

1962 Carlisle Journal. 6th April, 1962. Out and About. First harbingers of Spring : A Siskin. Low Sweet Notes. Surprising. Balancing act. Burrowing. Stirrings. [Subjects include : **Birds** : Redshank. Siskin. Bullfinch. Goosanders. Reed Bunting. Partridge. **Mammals** : Moles. Hares. Amphibians : Frog-spawn].

1962 Carlisle Journal. 13th, April, 1962. Out and About. Striking features of East Fellside : Behind time. Lovely valley. Hideous monster. Buzzards. Curlews. Ring Ouzel. [Subjects include : Birds : Buzzards. Curlew. Ring Ouzel. **Flora** : Coltsfoot].

1962 Carlisle Journal. 20th April, 1962. A visit to the wilds of Westmorland. Orton Scar. Lost continent. Loading lorry. Unusual ducks. Dizzy turn. Tufted Ducks. [Subjects include : Carboniferous Limestone. Fossils. Sunbiggin Tarn. **Birds** : Shovelers. Black-headed Gulls].

1962 Carlisle Journal. 27th April, 1962. Out and About. "Oh to be in Cumberland". Soaring Skylarks. Little Arcadia. Birthplace. Badgers. [Subjects include : **Birds** : Skylarks. Tawny Owl. Green Woodpecker. Water-hen. **Mammals** : Badgers. **Flora** : Primrose. Wood Anemone. Violet Golden Saxifrage. Dog's Mercury. Toothwort. Butterbur. Barred Strawberry. Red Dead-nettle. Bluebells. William Hodgson - Cumberland Botanist].

1962 Carlisle Journal. 4th May, 1962. Out and About. A glorious day for a countryside ramble. No tree climbing. Two arrivals. New bird-song. Sleepy and silent. [Subjects include : **Birds** : Carrion Crow. Wheatear. Greenland Wheatear. Wood Pigeon. Willow Warbler. **Mammals** : Roe Deer].

1962 Carlisle Journal. 11th May, 1962. Out and About. Hunting ground of my boyhood. I must go. Golden Plover. Burned bare. Sweet Gale. Fox and Deer. Stacks of Peat. Boundary Ditches. Only changes. [Subjects include : Wedholme Flow. **Birds** : Golden Plover. Carrion Crow. **Mammals** : Tracks of fox and deer. **Flora** : Bog Rosemary or Marsh Andromeda. Bog Myrtle/Sweet Gale. Cotton Grass. Peat. **Trees** : Scots Pine].

1962 Carlisle Journal. 18th May, 1962. Out and About. May gives a new look to the marshes. Showy birds. Noisy scene. Fewer Lapwings. Popular peewit. Heat haze. Wild geese. [Subjects include : Rockcliffe saltmarsh. **Birds** : Shelduck. Reductions of Lapwing. Oystercatchers. Redshank. Tern. Gulls. Pink-footed Geese].

1962 Carlisle Journal. 25th May, 1962. Out and About. Rain works wonders in the countryside. Real May. Vermin. Common Crow. The shoots. Clear view. Startling Duck. [Subjects include Gamekeepers : Birds : Willow Warblers. Wood Pigeon. Carrion Crow. Mallard. Great-spotted Woodpecker. **Flora** : Cowslips. Lady's Smock].

1962 Carlisle Journal. 1st, June, 1962. Out and About. An annual pilgrimage I always find enjoyable : Strenuous task. Endurance test. Helpful meeting. Bird visitors. Nesting sites. [Subjects include : Outdoor clothing and preparation. **Birds** : Ground nesting Blackbird. Ring Ouzel. Goosander. Mammals : Badger Earth].

1962 Carlisle Journal. 8th June, 1962. Out and About. As a matter of fact, I usually do get fine weather for this week. Primitive. Not a soul. Wild waste. Hospitality simple. [Subjects include : North Cumberland Fells. "Waste of Cumberland". Bewcastle. Whitehill. Horseholme].

1962 Carlisle Journal. 15th June, 1962. Out and About. The rarest bird in Cumberland. Only one pair. Early Cairns. Historic ditch. Brown Moors. [Subjects include : George Routledge. White Lyne. Christianbury Crags. Shiel Knowe. **Birds** : Goosander. **Mammals** : Wild Goats].

1962 Carlisle Journal. 22nd June, 1962. Out and About. Sunday is just another working day for the hill Shepherds. Peat Cutter. The 'Crack' Where? Pond flowers. The Cairn. Wild ducks. Generations. [Subjects include : Sheep farming. Peat cutting. **Birds** : Mallard x Wigeon hybrid. **Flora** : Bogbean].

1962 Carlisle Journal. 29th June, 1962. Out and About. On the fells at Bewcastle. My object. Rough Hewn block. The Cloudberry. Delightful place. [Subjects include : Sighty Fell. Bewcastle Cross. Fell becks. **Birds** : Cuckoo's call. Curlews. **Flora** : Bilberry. The Cloudberry or Roupberry].

1962 Carlisle Journal. 6th July, 1962. Out and About. From steep fells to moorland on Whitehill walk. Regular visitor. Now deserted. Across the moor. [Subjects include : Whitehill. Paddaburn. Upper Irthing Valley. The life of a shepherd. **Birds** : Goosander. Sandpiper. Golden Plover. Redshank].

1962 Carlisle Journal. 13th, July, 1962. Out and About. There is nothing stately about this Parkland. Limestone green ocean. Butterflies. Rampage. Rock Rose. [Subjects include : Greystoke Park. Forestry Commission. **Birds** : Buzzard. Tawny Owl. Wheatear. **Insects** : Butterflies Marsh Fritillary. Chalk hill Blue. **Mammals** : Roe Deer. **Flora** : Orchids - Spotted, Butterfly, Lesser Twayblade. Cotton Grass. Rock Rose. Stone Bramble].

1962 Carlisle Journal. 20th July, 1962. Out and About. These rather special bits of countryside. Denton Fell. Overcast. Fox victim. Earthwork. Buried remains. [Subjects include : Ancient Earthworks. Peat Moss. **Birds** : Yellow Wagtail. Meadow Pipit. Skylark. Reed Bunting. Pipits. Curlew. Blackcock].

1962 Carlisle Journal. 27th, July, 1962. Out and About. A Quest in the rain. Security. Jungle-like. Sandpipers. Welcome cabin. Gooseberries. [Subjects include : **Birds** : Mallard. Sandpipers. Kestrel. **Mammals** : Evidence of Otters. Roe-deer tracks. **Fish** : Dead Sea Trout. **Flora** : Cranesbill. Wild Gooseberries]. [Raptors].

1962 Carlisle Journal. 3rd August, 1962. Out and About. Summer on the Solway. Newcomers. Submerged. Bird Highway. 300-strong. [Subjects include : **Birds** : Oystercatchers. Redshank. Curlew. Lapwing. Gulls. Goosanders. Greater Black-backed Gull. Greenshank. Green Sandpiper].

1962 Carlisle Journal. 10th August, 1962. Out and About. Beautiful stretch of river. Enchanted. Invisible train. Roe Deer. A rival? Second pair. [Subjects include : River Eden. Armathwaite. Lazonby. Baron Wood. **Birds** : Jay. **Mammals** : Roe Deer].

1962 Carlisle Journal. 17th August, 1962. Out and About. The calm after the storm. Mushrooms. Barley sign. Wild plants. [Subjects include : Wreay Woods. River Petteril. Fishing. The 'Sounds' of Barley. **Birds** : Green Woodpecker. Spotted Flycatcher. **Mammals** : Hare. **Fungi** : Collecting mushrooms. **Flora** : Foxglove. Willowherb. Scotch thistle. Sow Thistle].

1962 Carlisle Journal. 24th August, 1962. Out and About. Story of Wragmire Moss. The Old Oak. Roman Road. Once overgrown. Rough Road. Transformation.

1962 Carlisle Journal. 31st August, 1962. Out and About. A bad day in the wilds of Bewcastle. Hay still out. Two interlopers. Swollen streams. Goosander Brood. [Subjects include : Rivers White and Black Lyne. Whelpdale Castle. Haymaking. **Climate** : Heavy Rain. **Birds** : Merlin. Shorteared Owl. Meadow Pipits. Cuckoo. Goosander. **Mammals** : Cattle. Rabbits].

1962 Carlisle Journal. 7th, September, 1962. Out and About. A link with the lost legion. Dutch link. On the Marsh. The stranger. Greenshanks. Birds of Passage. [Subjects include : Scalescuegh Roman Tilery. Roman 9th Legion. Rockcliffe. **Birds** : Sanderling. Common Scoter. Goosanders. Greater Black-backed Gull. Greenshank flock].

1962 Carlisle Journal. 14th September, 1962. Out and About. I explore Solway Moss. Scene of Battle. Claims to same. Arduous task. Link to1543. Wildlife. [Subjects include : Scottish Army. Sir Thomas Wharton. Flooding in 1771. Channel cutting. **Mammals** : Hares. Roe Deer. **Reptiles** : Adders. **Flora** : Brambles].

1962 Carlisle Journal. 21st September, 1962. Out and About. A day on the Gilsland Moors. At lambs sale. Turbulent waters. Young forests. Catch of Trout. [Subjects include : Cramel Linn Waterfall. Shepherds. **Climate** : Recent Flooding. **Fish** : Trout. **Insects** : Mosquitoes].

1962 Carlisle Journal. 28th September, 1962. Out and About. The lost lonnings on marsh. A field Well. Maze of meadows. Change of plumage. Greenshanks. First Wild Geese. [Subjects include : Deep Ditches. Wells. Rockcliffe Marsh. **Birds** : Common Gull. Greenshanks. Pink-footed Geese].

1962 Carlisle Journal 5th, October, 1962. Out and About. Return of Wild Geese. Scarce bird. Calls as clue. Wary birds. Migrating. [Subjects include : **Birds** : Different breeds of geese : Pink-footed . Barnacle. Brent. Greylag. Bean].

1962 Carlisle Journal. 12th October, 1962 In the Country : Beauty of Autumn seen at its best. Uncut Barley. Flushing startled bird. Dived to safety. Bramble picking. [Subjects include : River Eden. Wreay. **Birds** : Cormorant. Jack Snipe. Wheatear. Toadstools. **Flora** : Scotch Thistle. Ragwort. Jack-by-the-Hedge. Teasels. Brambles.

1962 Carlisle Journal.19th October, 1962. In the Country : A great day on the Solway. Globe Spanners. Mass Migration. Medley of voices. [Subjects include : **Birds** : Migration. Curlew. Golden Plover. Bar-tailed Godwits. Oystercatchers. Grey Greenshank. Redshank. Turnstones. Greater Black-backed Gull. Pink-footed geese. Meadow Pipit. Shelduck. Massed Flights].

1962 Carlisle Journal. 26th October, 1962. In the Country : Bewcastle seen at its best. Map missed. Quiet

highway. Pristine World. Travel in style. Sheiling site. Bee-hive huts. [Subjects include : Prehistoric Earthworks. Black Lyne. Birds : Wren. Fieldfares. Blackbirds. Chaffinches. **Insects** : Spider webs.].

1962 Carlisle Journal. 2nd, November, 1962. In the Country : Article includes photograph of Ritson Graham. Winter arrives with a bang. Sign of Winter. Significant in-rush. Books on birds. All worth while. [Subjects include : **Birds** : Fieldfares. Books on Ornithology].

1962 Carlisle Journal. 9th, November, 1962. In the Country : I revisit scenes of my boyhood. Martin's Tarn (Moorhouse). A mixed lot. Varied plumage. Off beaten track. The 'Darricks'. [Subjects include : Hay harvest. Gravel pits. Colmire. **Birds** : Wigeon. Common Gulls. Tufted Duck. Pochard. Mallard. Teal. Snipe].

1962 Carlisle Journal. 16th, November, 1962. In the Country : Moorland quest for a lonely lough. Treeless zone. Hidden in valley. Your only guide. One-way travel. [Subjects include : Blackaburn Lough (Craiglasenhope). Solitary Farms. Butterburn. Bulls. **Flora** : Spotted Orchid. Cotton Grass. Cranberry. Sphagnum].

1962 Carlisle Journal. 23rd November, 1962. In the Country : Wintry week-end on the Fells. Heavy berry crop. Snow scene. Winter waiting. Assortment of birds. [Subjects include : East Fells. **Climate** : Affects of blizzards on birds. **Birds** : Tufted Duck. Dipper. Rooks. Wood Pigeon. Sparrow. Yellow Bunting. Skylarks. Redwing. **Flora** : Barberries].

1962 Carlisle Journal 30th, November, 1962. In the Country : The weasel and the vole. Ripples in the water. Fleeting Dipper. Strange incident. Weasel's quest. Hunter and hunted. [Subjects include : Reed Bunting. Mallard. Tufted Duck. Dipper. Golden-eye. Goosander. Field Vole. Weasel].

1962 Carlisle Journal. 7th, December, 1962. In the Country : A new local bird book. Ideal method. Caravan study. Job for expert. [Subjects include : Carlisle Natural History Society - Birds of Lakeland. Ernest Blezard. Ralph Stokoe. Grune Point].

1962 Carlisle Journal 14th, December, 1962. In the country : The aftermath of the storm. New activity. Skylarks active. Homewards circuit. Cooing pigeons. [Subjects include : **Climate** : Storms. **Birds** : Peewit. Black-headed Gull. Fieldfare. Redwing. Skylarks. Tawny Owl. Yellow Bunting. Blue-tits. Reed Bunting. Wood Pigeon. Tufted Duck. **Flora** : Hazel. Aspen. Polypody Fern].

1962 Carlisle Journal. 21st, December, 1962. In the Country : My search for wild berries. Waste of mud. Birds driven off. Woodpeckers busy. Tasty morsels. [Subjects include : **Birds** : Fieldfares. Lapwings. Gulls. Rooks. Jackdaws. Starlings. Wood Pigeon. Evidence of Woodpecker activities. **Flora** : Privet. Guilder Rose].

1962 Carlisle Journal. 28th, December, 1962. In the Country. Badgers status in Cumberland. Persecution. Considered rare. Adverse publicity. Clean animal. Ultra-cautious. [Subjects include Badgers (Brock)].

1963 Carlisle Journal. 4th, January, 1963. In the Country : In the tracks of a questing fox. Strange place. Night prowler. Both surprised. Magic Place. [Subjects include : **Climate** : Heavy Snow. Hoar Frost. **Birds** : Fieldfare. Grey Wagtail. Greenfinch. Hare. Fox tracks. Squirrel hibernation. Blackbirds. Sparrowhawk. **Flora** : Gorse]. [Raptors].

1963 Carlisle Journal. 11th, January, 1963. In the Country : A riddle of the countryside. Rare Gulls inland. Silent Woods. [Subjects include : **Climate** : Snow. **Birds** : House Sparrows. Herring Gull. Greater Black-backed Gulls. Robin].

1963 Carlisle Journal. 18th, January, 1963. In the Country : Rare birds by the frozen estuary. Many birds. 'White Nun'. Biggest Gull. [Subjects include : Solway. **Climate** : Ice sheets. **Birds** : Goldeneye. Smew. Greater Black-backed Gull].

1963 Carlisle Journal. 25th, January, 1963. In the Country : A winter walk in frozen marshes. Not enough. Primitive desire. The smallest wader. Victim of weather. [Subjects include : **Climate** : Frozen Solway. Waders. Redshank. Greenshank. Dunlin. Little Stint. Redwing].

1963 Carlisle Journal. 1st, February, 1963.. In the Country : One of the art's of husbandry. Lost Ferret. Roe Deer route. Giant tree damaged. [Subjects include : **Birds** : Skein's of Geese. **Mammals** : Ferret. Roe Deer tracks. **Trees** : Hedge laying and felling. Wellingtonia - Californian big tree].

1963 Carlisle Journal. 8th, February, 1963. In the country : Another coat of Winter white. A beautiful bird. Remarkable event. Life and colour. The first Snowdrop. [Subjects include : Climate : Tracks in the snow. **Birds** : Wood Pigeons. Dipper. Grey Wagtail. Rooks. Bullfinch. **Mammals** : Roe Deer].

1963 Carlisle Journal. 15th, February, 1963. In the Country : I sit and ate while hungry eyes looked on.

Thin birds. Reynard's prints. Vermin display. Pheasants at feed. Grain cleaners. [Subjects include : **Birds** : Fieldfare. Wood Pigeons. Fox. Greater-spotted Woodpecker. Carrion Crow slaughter. Pheasants. **Mammals** : Fox. Hungry Cattle].

1963 Carlisle Journal. 22nd, February, 1963. In the Country : A Bittern pays Longtown a very rare visit. Out of luck. Camouflage. [Subject : Bittern reported but not observed by Ritson Graham]. [**Birds** : Bitten].

1963 Carlisle Journal. 8th, March, 1963. In the Country : Badger family is still alive, even in this cold. Ice till June? Invisible. No hibernation. City birds. [Subjects include : Gaitsgill, Roughton. Broadfield. **Climate** : Frozen Snow. **Birds** : Redwing. Fieldfare. Heron. Rooks. Blackbirds. Hedge Sparrow. Robin. Wood Pigeon. Skylarks. **Mammals** : Badger Sett. Hibernation].

1963 Carlisle Journal. 15th, March, 1963. In the Country : Fish and Frogs of Corby meet death in the Ice. 12 Herons. First time ever, and frozen frogs. [Subjects include : Birds : Corby Heronry. **Fish** : Carp. **Amphibians** : Frogs].

1963 Carlisle Journal. 22nd, March, 1963. In the Country : This killer has survived winter. Same old promise. An avalanche. Deadly visitor. [Subjects include : **Climate** : Moors and Fells in Winter. **Birds** : Snipe. Skylark. Curlew. Redshank, Lapwing. Golden Plover. Teal. Tufted Duck. Coot. Mallard. Merlin].

1963. Carlisle Journal. 29th March, 1963. In the Country : March on the Moors. Slow. Strangers victims. Blue veil. [Subjects include : North Cumberland Moors. **Birds** : Lapwing. Curlew. Lesser Black-backed Gull - carrion feeder. **Mammals** : Fox. Old badger Sett or Earth. **Flora** : White Bent-grass].

1963 Carlisle Journal. 5th, April, 1963. In the Country : The lonely places where Ravens nest : Still Winter. Ravens meet me. Due to lay? A Tree nest. Which one. [Subject : **Birds** : Ravens].

1963 Carlisle Journal. 11th, April, 1963. In the Country : Rare bird spotted by tail plumage. Fresh snow. Waiting for weather. Seen where I sit. A rare bird. Winter visitor. [Subjects include : **Climate** : Winter continues. **Birds** : Curlew. Peewit. Ring Ouzel. Rough-legged Buzzard. **Flora** : Coltsfoot. Celandine. Dog Mercury. **Trees** : Alder Catkins].

1963 Carlisle Journal. 19th, April, 1963. In the Country : The toll on the countryside. Lack of oxygen. Scarce birds. No escape. Summer birds. [Subjects include : **Birds** : Pipits. Lapwing. Curlew. **Fish** : Massed death of Carp].

1963 Carlisle Journal. 26th, April, 1963. In the Country : Spring they call it! Half-gate. Wild Pigeons. Printed in snow. Wetter still. [Subjects include : Ancient Cairns. **Climate** : Late snow. **Birds** : Stock Doves. Ring Ouzel. Red Grouse].

1963 Carlisle Journal. 3rd May, 1963. In the Country : Spring glorious Spring at last! Cheerful Warblers. Blossom & Bud. Trespassers. [Subjects include : Birds : Curlew. Willow Warbler. Yellow Bunting. Corn Bunting. Carrion Crow. Larks. Wood Pigeon. Cuckoo. Swallow. House Martin. **Flora** : Snowdrops. **Trees** : Wild Cherry].

1963 Carlisle Journal. 10th, May, 1963. In the Country : I pay a call on a Magpie. Always wet. Rare bloom. Aimless Lanes. Magpies nest. [Subjects include : Wedholme Flow. Moss Lonnings. Moles. **Birds** : Magpie nest. **Flora** : Peat Mosses. Sphagnum. Lichens. Liverworts. Bog Rosemary or Marsh Andromeda].

1963 Carlisle Journal. 17th, May, 1963. In the Country : Many migrants are late… or dead. Fewer numbers. The first butterfly. Late but lovely. [Subjects include: Birds : Spring migration. Grasshopper Warbler. Swallow. Cuckoo. Swift. Nightjar. Whinchat. Willow Warbler. Whitethroat. Status of Corncrake. **Insects** : Small Tortoiseshell Butterfly. **Flora** : Garlic Mustard. Ground Ivy. Ladies Smock. Cotton Grass. Dandelion. **Trees** : Wild Cherry].

1963 Carlisle Journal. 31st May, 1963. In the Country : I spot a Kestrel in the high fells : Old world village. Ring Ouzel. Leaving the nest. White waterfalls. [Subjects include : Croglin Valley. Birds : Sky Lark. Ring Ouzel. Kestrel]. [Raptors].

1963 Carlisle Journal. 7th, June, 1963. In the Country : Adder refused to attack. A fine setting. Solway's shimmer. Barn Owl's nest. The Adder and I. It strikes. Ready to Attack. [Subjects include : Christian Crag. **Birds** : Barn Owl. **Reptiles** : Adder].

1963 Carlisle Journal. 14th, June, 1963. In the Country : Winter claimed a head? Cut off! Up on the Fells. One casualty. Antics of Red Grouse. Always ahead. A real tragedy. Fight for life. Still warm. [Subjects include : Christianbury Crags. **Birds** : Red Grouse-feigning injury. **Mammals** : Wild Goats. Dead Roe Deer].

1963 Carlisle Journal. 21st, June, 1963. In the Country : Good news about the Goosanders and the Goats. Bird returned. Crew Castle. Lost Dwellings. The goat. [Subjects include : Antonstown. **Birds** : Goosander. **Mammals** : Christianbury Goats].

1963 Carlisle Journal. 28th, June, 1962. In the Country : Days of solitude and joy in fells. Short journey. Shore birds inland. Sandpipers too. A lovely Tarn. Bronze Cauldron. [Subjects include : Shopford. Highstone Common. Roman Relic - Cauldron. Wellington Gate. Black Moss. **Birds** : Oystercatcher. Sandpiper. Skylark. Dunlin. Golden Plover].

1963 Carlisle Journal. 5th, July, 1962. In the Country : A tree in a thousand. [White Lyne River. Kirkbeck. **Birds** : Reed Bunting. Sedge Warbler. Willow Warbler. Goosander and ducklings. Redstart. **Fish** : Brown Trout. **Flora** : Early Purple Orchid. Cranberry. **Trees** : Ancient Elm].

1963 Carlisle Journal. 12th, July, 1963. In the Country : The Waste of Cumberland. Escarpment Rivers turn. Finest Gorge. Great Morass. Fox shambles. [Subjects include : Bewcastle Fells. Gilsland Moors. Spadeadam. The Hou Burn. **Mammals** : Water Vole. Fox earth. **Insects** : Large yellow-banded dragonfly].

1963 Carlisle Journal. 19th, July, 1963. In the Country : The changing face of the marshes, Gaining ground. Still growing. The marsh has an owner. Goosanders. No hero. Not born here. End of the season. [Subjects include : Solway Marshes. Saltmarsh. Rockcliffe Marsh. Rivers Esk and Eden. **Birds** : Goosanders. Sandpipers. Curlew. Golden Plover. Oystercatcher. Redshank. Black-headed Gull. Lesser Black-backed Gull].

1963 Carlisle Journal. 26th, July, 1963. In the Country : The killers of Glasson eat their victims alive! Unique plants. Insect catching plants. Absorption. Rare birds. How to tell. [Subjects : Glasson Moss. **Birds** : Willow Tit. Marsh Tit. Green Woodpecker. **Flora** : Sundew. Sphagnum Moss. Bog Asphodel].

1963 Carlisle Journal. 2nd, August, 1963. In the Country : Who says these leafy woods are (phew) cool1 A Reedy Tarn. A pretty scene. The empty cottage. Remnant of forest. [Subjects include : **Birds** : Reed Bunting. Mallard. Coot. Waterhen. Mute Swans. **Mammals** : Roe Deer. Foxes. **Flora** : Meadow Sweet. **Trees** : Oakwood].].

1963 Carlisle Journal. 9th, August, 1963. In the Country : All this was a desert 200 million years ago. Foot prints. Arid, austere, A bygone age. Rare dragonflies. Hard to identify. Fort site. [Subjects include: Barrock Fell. Blaize Fell. Lazonby Fell. Wan Fell. Penrith Beacon. Eden Valley. Sandstone fossil. Dentonside. **Insects** : Yellow and Blue-banded Dragonfly].

1963 Carlisle Journal. 16th August, 1963. In the Country : Once all this was water. Both in use. An aquatic jungle. Giant cigars. A paradise. An otter incident]. Subjects include : Monkhill Lough. Water Mill. Reeds. **Birds** : Duck "in eclipse". Sedge Warbler. Reed Bunting. **Mammals** : Otter tracks, "Otter drowning dogs". **Flora** : Rushes & Sedges.].

1963 Carlisle Journal. 23rd August, 1963. In the Country : Nine miles of coast - and not a soul in sight! First Autumn visitor. Tail patch. The "Dorick Hole". A new day. Flower Creeks. Few mushrooms. [Subjects include : Solway. Burgh Marsh. Greenshank. **Birds** : Goosanders. Wheatear. Fish : Haaf nets. Fresh-water Eel. **Fungi** : Mushrooms].

1963 Carlisle Journal. 30th August, 1963. In the Country : Everybody's looking for that cash. The stranger. Mystery woman. Plot thickens. Badger Haunt. Impregnable. Battlefield. [Subjects include : Empty farm houses. **Mammals** : Badger Sett - "The largest I have ever seen."].

1963 Carlisle Journal. 6th, September, 1962. Out and About : Busy mole helps me solve a mystery of the Fells. Distance deceptive. Unique in British scenery Dust afoot. [Subjects include : Geltsdale. Becks in spate. Coal drift. **Birds** : Whinchat. Pipit larks. Ring Ouzel. **Mammals** : Mole. **Flora** : Heather. Grass of Parnassus. Petty Whin. **Trees** : Rowan].

1963 Carlisle Journal. 13th, September, 1963. In the Country : Real 'Weeting Rain'. A remarkable procession. A seat in the stalls. Sheld Ducks. Procession. [Subjects include : Upper Solway. **Climate** : Rainfall. Rising Tides. **Birds** : Oystercatcher. Shelduck. Knot. Curlew. Tern. Peewit. Mallard. Widgeon].

1963 **There is a break at this point due to R.G. having an illness.**

1963 Carlisle Journal. 18th October, 1963 Out and about. My, but it feels good to be back. A day on the Fells. Determination. Great change. Exotic conifers. "Heap of Steans". Settlement or cemetery. ["Currock above Black Lyne House". Round Barrows. "Camps Graves". **Flora** : Grass of Parnassus].

1963 Carlisle Journal. 25th October, 1963. In the Country. Natural history as seen from the back door. All

aglow. Odd Buttercup. In wild state. Island nest. Latest arrivals. Goldcrest goes to school. [Subjects include : **Birds** : Tufted Duck. Pochard. Canada Goose. Goldeneye. Little Grebe (Dabchick). Pink-footed Geese. Goldcrest. **Flora** : Berberis. Wild Barberry. Celery-leaved Crowfoot].

1963 Carlisle Journal. 1st November, 1963. In the Country : Now-drain diviners. Possibilities, Sunshine. Beautiful. Thousands - "of wading birds". [Subjects include : Drain Management. **Birds** : Skylarks. Wigeon. **Mammals** : Brown Hare].

1963 Carlisle Journal. 8th, November, 1963. In the Country : Walking in the dark. Faint cry. Baneful banshee. Hedgehog family gipsies. [Subjects include : **Birds** : Redwing. Jays. **Mammals** : Hedgehog].

1963 Carlisle Journal. 15th, November, 1963. In the Country : In search of the wild swan. Black and White. The Jays. Formations. Late brood. [Subjects include : Thurstonfield Lough. **Birds** : Mute Swans. Coot. Common Gull. Little Grebe/Dabchick. Teal. Jays. Bullfinch. Blue Tits. Great Tit. Late House Martins].

1963 Carlisle Journal. 22nd November, 1963 In the Country : Wild cats. Born and bred. Extinct. Daniel Defoe. Wild Goats? [Subjects include : Carlisle Natural History Society. **Mammals** : A Wildcat from Roweltown. Foulmart (Polecat from Stoneraise). Goats].

1963 Carlisle Journal. 29th, November, 1963. In the Country : How to get on the right side of gamekeepers. Skirmishes. Massive man. Vermin. Farmers. [Subjects include : Gamekeeping].

1963 Carlisle Journal. 6th, December, 1963. In the Country : A soggy day in the country. Double dikes. Clue. Modern name. Gipsy camp. [Subjects include : **Birds** : Carrion crow. Curlew. **Trees** : Tarn Plantation].

1963 Carlisle Journal. 13th, December, 1963. In the Country : Those sombre and forbidding Fells. Sullen. Babble Solitary. Unison. [Subjects include : Tindale Fell. **Birds** : Mute Swan. Coots. Tufted Duck. Mallard. Pochard. Kestrel. Raven. Whooper Swans]. [Raptors].

1963 Carlisle Journal. 20th, December, 1963. In the Country : The Silent Country. [Subjects include : Inglewood Forest. Pottery fragments in a stream. **Birds** : Woodcock. **Mammals** : Roe deer scrapings. **Flora** : Hart's tongue Fern. Golden Saxifrage].

1963 Carlisle Journal. 28th, December, 1963. In the Country : Hunting Holly. A bird out of place. Modernising the country. The abundance of pigeons. [Subjects include : **Birds** : Northern Lapwing. Various nests : Blackbird. Thrush. Curlew. Woodpigeon. **Trees** : Holly].

1964 Carlisle Journal. 3rd, January, 1964. In the Country : Once these narrow lanes were busy highways. Old Port. Rapid rattle. The herdsman. [Subjects include : Upper Solway. Rockcliffe. Sandsfield. Goldeneye. **Birds** : Mixed flocks of birds including Chaffinches, Blue Tits and Great Tits. "Bachelor Bird" or "Scopy". Redshank. **Mammals** : Sheep].

1964 Carlisle Journal. 10th, January, 1964. The country is beginning to look up already. Longer days. Awakening Snug. How they got their names. Scalegate. [Subjects include : Cumbrian place Names. **Flora** : Honeysuckle. Harts-tongue Fern. Hard Fern. Polypody. Bluebells. Wood Sorrel. Primrose. Foxglove. **Trees** : Hazel catkins].

1964 Carlisle Journal. 17th, January, 1964. In the Country : One of those times when you just follow up your nose. Flutelike. Faint Tracks. Uncanny. Teatime. [Subjects include : **Birds** : Bullfinch. Woodcock. Jay. **Mammals** : Otter prints. **Flora** : Ferns].

1964 Carlisle Journal. 24th, January, 1964. In the Country : I have never seen the Solway like this. Fairyland. Squad. Serenity. Waxwings in Carlisle. [Subjects include : **Climate** : Ice floes. **Birds** : Goldeneye. Mallard. Pink-footed Geese. Greater Black-backed Gull. Wigeon. Meadow Pipit. Waxwing].

1964 Carlisle Journal. 31st, January, 1964. In the Country : A patch of cornland in the forest. Exploring. Back to Moss. Cornland. Hidden. [Subjects include : Disused Quarries. Lime Kilns. Varied Woodland. **Birds** : Bullfinch. **Mammals** : Myxomatosis. **Flora** : Snowdrops. Aconite. Watercress].

1964 Carlisle Journal. 7th, February, 1964. In the Country : It was the oddest of owls in the County bird book. I know of no walk to surpass this one. [Subjects include : Wreay Woods. **Birds** : Little Owl].

1964 Carlisle Journal 14th, February, 1964. In the Country : Believe me, its still jolly cold up on those fells. Explanation. Numb hands. Fine plumage. [Subjects include East Fells. **Climate** : Winter conditions : Birds : Rooks. Wood Pigeons. Carrion Crow. Mallard. Dipper. Mute Swan.

Goldeneye. Raven. **Mammals** : Hare].

1964 Carlisle Journal. 21st, February, 1964. In the Country : Oh, What a beautiful morning. Laid low. Fair maids. In the paper. Flattering. [Subjects include : Ritson Graham meets an admirer. **Birds** : Yellow Buntings. Blue and Great Tits. Wood pigeons. Dipper. **Flora** : Hedge-laying. Snowdrops. **Trees** : Wild Cherry. Hazel Catkins].

1964 Carlisle Journal. 28th, February, 1964. In the Country : This is no place for those who like their comfort. Bowness. Strange bird. Bare sand. Herdwicks - Black wool. [Subjects include : Solway. Bowness on Solway. Birds : "Clouds of Waders". Knot. Curlew. Lapwing. Oystercatcher. Goldeneye. Redshank Shelduck. **Mammals** : Sheep].

1964 Carlisle Journal. 6th March, 1964. In the Country : Spring is late on the moors. Skylarks. Foxes. Song. [Subjects include : River Irthing. Gilsland Moor. **Birds** : Skylarks. Jackdaws. Stock Dove. Goosanders. Blue and Great Tits. Blackbird. Carrion Crow. **Mammals** : Fox and Terriers. **Flora** : Snowdrops. Coltsfoot].

1964 Carlisle Journal. 20th, March, 1964. In the Country : Where have all the Herons Gone? [Subjects include : **Birds** : Herons. Woodcock. **Mammals** : Stoat].

1964 Carlisle Journal. 3rd, April, 1964. In the Country : A rendezvous with my Ravens. [Subjects include : **Birds** : Raven. Curlew. Red Grouse].

1964 Carlisle Journal. 10th, April, 1964. In the Country : It seems a pity to chop. [Subjects include : Birds : Scarcity of Peewit. Badger Sett. **Flora** : Celendine. Coltsfoot. Primrose. Blackthorn. White Violets. Wood Anemone,. Toothwort. . **Trees** : Removal of Elms.].

1964 Carlisle Journal. 17th, April, 1964. In the Country : Soaked-thanks to that very silly sheep. Spare socks. Death no mistaking. [Subjects include : Castle Carrock. **Birds** : Green Woodpecker. Merlin. **Mammals** : Sheep rescue. Dead Red Squirrel]. [Raptors].

1964 Carlisle Journal. 24th April, 1964. In the Country : A day in the garden of Eden. We sat on roof. Haunt of the deer. They don't herd. Butterflies emerge. First migrants arrive. [Subjects include : Eden Valley. **Birds** : Willow Warblers. Green Woodpecker. Sandpiper. **Mammals** : Roe Deer. **Insects** : Tortoiseshell Butterfly. **Trees** : Elm blossom].

1964 Carlisle Journal. 1st, May, 1964. In the Country : Funny how you can still miss things. [Subjects include : Boundary Stones. **Birds** : Missing Peewits. Curlew. Skylark. Willow Warbler. Carrion Crow. Cuckoo. **Flora** : Stitchwort. Lesser Winter-green. **Trees** : Wild Cherry.].

1964 Carlisle Journal. 8th, May, 1964. In the Country : Its easy to get lost in Greystoke Forest. [Subjects include : **Birds** : Cuckoo. **Mammals** : Roe Deer. Snares. Rabbits].

1964 Carlisle Journal. 15th, May, 1964. In the Country : The disappearing Ratcher (Poachers). [Subjects include : Poachers. Birds : Swallows. Martins. Swifts. **Fish** : Trout. **Flora** : Watercress].

1964 Carlisle Journal. 22nd, May, 1964. In the Country : How on earth did one find the time? 2 a.m. bed. Waited on. Time to read. [Subject : Ritson Graham reflects on his retirement and future opportunities].

1964 Carlisle Journal. 29th, May, 1964. In the Country : The glorious days in Bewcastle. Failed again. The stranger. [Subjects include : Bewcastle. Black Lyne Forest. Long Barrow (Curroch). **Birds** : Blackcock. Green Woodpecker. **Mammals** : Lambing. **Insects** : Bees].

1964 Carlisle Journal. 5th, June, 1964. In the Country : Only mouldering ruins remain. My quest. Fewer inhabitants. Run in 1864. Better summers. Wayside cress. [Subjects include : Bewcastle. Uninhabited homesteads. Pasture Head. Cross Fell. Threshing corn. Ploughing. **Birds** : Goosander].

1964 Carlisle Journal. 12th, June, 1964. In the Country : This is where to find the Adder. They're drier. Popular haunts. Rarely seen now. Botanical wealth. [Subjects include : Wedholm Flow. Glasson Moss. Peat. Old trenches dried out. **Birds** : Lesser Black-backed Gull. Greater Black-backed Gull.Willow Tit. Magpies. Carrion Crow. Green Woodpecker. Meadow Pipit. Skylark. Shelduck. Green Woodpecker. Twite. Red and Black Grouse. **Reptiles** : Adder. **Flora** : Bog Rosemary. Great Sundew].

1964 Carlisle Journal. 26th, June, 1964. In the Country. Cumberland's Marsh. Cowboys ride herd. Many Gulls. Early arrivals. Most grateful. Horse-back herds. [Subjects include : Rockcliffe Marsh. **Birds** : Black-headed Gull. Widgeon. Golden Plover. Shelduck. Terns. Goosander. **Mammals** : Cattle and sheep. **Flora** : Sea Thrift. Sea Thrift].

1964 Carlisle Journal. 3rd July, 1964. In the Country : Nature in the ruined places. Ruined Farm. Rabbits here. Cheerful chats. [Subjects include : Shopford. Mount Thulie. **Birds** : Stock Dove. Swallows.

Blackbird. Whinchat].

1964 Carlisle Journal. 10th, July, 1964. In the Country : Man is but a tiny speck amid this vastness. Warm hospitality. Custom dead. Oystercatcher. In time for tea. [Subjects include : Gilsland and Scottish Borders. "Clipping day". Sheep Folds. Birds : Oystercatcher. Whinchat. Meadow Pipit. Curlew. Kestrel. Golden Plover. Skylark. **Fish** : Brown Trout. **Flora** : Purple Orchid. Hawkweed. Red Rattle. Ragged Robin].

1964 Carlisle Journal. 17th, July, 1964. In the Country : Corncrakes, Foxes, a white Sparrow and an orchid, they're back. Strange visitor. Gate fixed. A white Sparrow. An orchid from Wales. [Subjects include : **Birds** : Corncrakes near Carlisle. Albino Sparrow. **Mammals** : Dead Fox. **Flora** : Marsh Helleborine].

1964 Carlisle Journal. 24th, July, 1964. In the Country : Where rivers are born. Two sources. The highest point. No road. More wildlife. Trout waited. Earlier Occupation. Old House. [Subjects include : River Irthing. Kingwater. Bewcastle Fell. The "Waste". Erratic Boulders. Paddaburn. Shakend. White Hill. **Birds** : Lapwing. Golden Plover. Sandpiper. Redshank. **Flora** : Cloudberry].

1964 Carlisle Journal. 7th, August, 1964. In the Country : At Last - I find St. Patrick's Cabbage. 1800 Miles. Hooded Crow. Noisy flocks. Insect catchers. Fuchsia and Ferns. [Subjects include : Ireland. **Birds** : Hooded Crows. Curlew. Rooks. Swifts. **Flora** : Bulrush. Sundew. Ferns. Pale Butterwort].

1964 Carlisle Journal. 14th, August, 1964. In the Country : A damp day beside Solway's shores. Too far away. Autumn bird visitors. Ready to go. Peewits gather. Goosander and Greenshank. Flowers in the corn. [Subjects include : Upper Solway. Rockcliffe to Bowness. Esk Estuary. **Climate** : Rainfall. **Birds** : Black Scoter Wheatear. Sandpiper. Curlew. Goosander. Greenshank].

1964 Carlisle Journal. 21st, August, 1964. In the Country : A dying species and a rare bird. More Barley. A Tangle. Fewer Butterflies. Its their time. Mushrooms too. Rare Bird. [Subjects include Cereal Crops : **Birds** : Common Gull. Little Owl. **Insects** : Butterflies : Green-veined White. Large White. Small Tortoiseshell. Painted Lady. Common Blue. Small Copper. Fungi : Mushrooms. **Flora** : Eyebright. White clover. Willowherb. Guilder Rose].

1964 Carlisle Journal. 28th, August, 1964. In the Country : I meet two shy denizens of the forest. A rare bird. Bullfinch family. Shy roe-deer. [Subjects include : **Birds** : Marsh Tit. Bullfinch nesting in Bracken. **Mammals** : Roe Deer].

1964 Carlisle Journal. 4th, September, 1964. In the Country : The cottage by the sea. An odd object. Hardbaked. Shore-bird census. Many Oystercatchers [Subjects include : Pottery. Bowness-cardurnock shore. **Birds** : Oystercatchers (approx 3,440). Linnet. **Flora** : Sea Drift].

1964 Carlisle Journal. 11th, September, 1964. In the Country : The harvest-and a real stinger. Wild geese arrive. Very early. Wasp's cleverness. [Subjects include : Harvesting. **Birds** : Early geese - heard not seen. **Insects** : Wasp. **Flora** : Guilder Rose].

1964 Carlisle Journal. 18th, September, 1964. In the Country : Badgering a poor old Badger. A Labyrinth. Old Bridge site. Coppice assaulted. Cleared again. Red Admiral. [Subjects include : Tarn Plantation. Badger earth. Hare. Butterflies : Red Admiral. Wall. Flora : Rosebay Willowherb].

1964 Carlisle Journal. 25th, September, 1964. In the Country : Exiles think fondly of the old country. Sparrow trouble. Wild geese in August. Cannot fly. Some on Hammonds Pond. Knock - a Pennine Village. Helm Wind forms here. [Subjects include : Great Pennine Fault. **Climate** : Helm Wind. Birds : Corncrakes. Resident Geese? Canada Goose].

1964 Carlisle Journal. 2nd, October, 1964 In the Country : Here's an odd part of Old Cumberland. It's still a wonderful crop. The puzzle of two gates. Not so much Sloe Gin now. [Subjects include : Beaumont. Strip enclosures. **Birds** : Magpie. Partridge. **Insects** : Butterflies Red Admiral. **Flora** : Blackthorn "Bullace"].

1964 Carlisle Journal. 9th, October, 1964. In the Country : A Tidal bore, and a lot of welcome visitors. The Solway tidal bore. Can anyone identify it? Better than guardsman. [Subjects include : Tidal Bore. Burgh Marsh. Herons. Birds : Gulls. Lapwing. Curlew. Ring Plover. Dunlin. Cormorant].

1964 Carlisle Journal 16th, October, 1964. In the Country : Barley crop is the first ever on this 7 acre plot. Never cultivated before. Sounds from the tangle. He loves his sanctuary. [Subjects include : Saw Pit Wood. **Birds** : Bullfinch. Jay. **Mammals** : Fox. Badger. Roe Deer. Rabbits. **Flora** : Brambles. Raspberries. Brambles. Willowherb].

1964 Carlisle Journal. 23rd October, 1964. In the Country : Where more than one is a real crowd. Autumn show of colour. Nut crop very poor. Robbers of berries. [Subjects include : Upper Geltsdale.

'King's Forest of Geltsdale'. Birds : Pipits. Mistle Thrush. Dipper. **Flora** : Gorse. Grass of Parnassus. Sheeps-bit Scabious. **Trees** : Rowan. Hazel Crop].

1964 Carlisle Journal. 30th, October, 1964. In the Country : I see a silent hunter busy at his work. A large gathering of Coot. The silent hunter. [Subjects include : **Birds** : Coots. Dipper. Fieldfare. Kestrel. Short-eared Owl. Dead Snipe. **Mammals** : Hare]. [Raptors].

1964 Carlisle Journal. 6th November, 1964. In the Country : A long legged and wild whistling wader. Birds of passage. A curious discovery Unapproachable wild geese. [Subjects include : Fossil Boar Jaw. Birds : Greater Black-backed Gull. Redshank. Greenshank. Pink-footed Geese. **Mammals** : Marshland Cattle.

1964 Carlisle Journal. 13th, November, 1964. In the Country : A day of thrills and interest in Gelt Woods. The questing hounds. Written in rock by the Romans. [Subjects include : Trailsman. Ancient tool marks. **Trees** : Autumn foliage. Sweet Chestnuts].

1964 Carlisle Journal. 20th, November, 1964. In the Country : Pigeons and pottery in Wreay Oakland Woods. Hordes of Wood Pigeons. Roman Tiles and Pottery. Modelling clay found. [Subjects Include Roman Pottery. : Birds : Large flocks of Wood Pigeons. **Trees** : Autumn colours].

1964 Carlisle Journal. 27th, November, 1964. In the Country : Winter visitors. To the Solway. The gentle 'herd'. Gulls in the high hills. [Subjects include : River Eden. Burgh. Rockcliffe. **Birds** : Gulls. Dunlin. Redshank. Oystercatcher. **Mammals** : Black-faced Sheep.].

1964 Carlisle Journal. 4th December, 1964. In the Country : The wild swans were in their sleepy mood. Seeking the wild ones. A hundred bobbing Coots. Woods full of life. Peckings & Borings. [Subjects include : Thurstonfield Lough. Mute Swans. Whooper Swans. Coot. Pochard. Jays. Greater-spotted Woodpecker. **Mammals** : Roe Deer slots. **Fungi**].

1964 Carlisle Journal. 18th, December, 1964. In the Country : Fleeting glimpse of a rare hunting bird. The home of the Merlin. The Woodcock arrive. [Subjects include ; Ernest Blezzard. **Birds** : Merlin. Woodcock]. [Raptors].

1964 Carlisle Journal. 24th, December, 1964. A road walk to dodge the worst of the weather. New duck arrivals. Kestrel with a habit. Hare changes house. Gnats gyrating. [Subjects include : **Birds** : Tufted Duck. Goldeneye. Wigeon. Kestrel. Pheasant. Hare. Peewit. Fieldfare. Redwing. Grey Wagtail. **Mammals** : Hare. **Insects** : Midges].

1965 Carlisle Journal. 1st January, 1965. In the Country : Mud and ice as winter's grip tightens. Pigeons gather again. Soil was like treacle. Rabbits still here. [Subjects include : **Birds** : Goldfinch. Yellow Bunting nests. Whitethroat. Chaffinch. Thrush. Blackbirds. Carrion Crow. Wood Pigeons.Lapwing. Skylarks. Reed Bunting. Pink-footed Geese. **Mammals** : Rabbits. **Flora** : Nettles. Knapweed. Trees : Scot's pine].

1965 Carlisle Journal. 8th, January, 1965. In the Country : A quick cameo of wild life in the winter woods. A host of sounds. Fox passed me by. The right answer. Buds for Bullfinches. [Subjects include : **Birds** : Green woodpecker. Woodcock. Bullfinch. Jay. Pheasant. **Mammals** : Large Fox. Rabbits. **Trees** : Coppice].

1965 Carlisle Journal. 15th, January, 1965. In the Country : Some winter visitors to a fell tarn. There's swans and swans. Three hundred ducks. A rare owl again. [Subjects include : Tindale. **Climate** : Squash ice. Hoar-frost. **Birds** : Whooper swans. Mute Swans. Goosander. Mallard. Short-eared Owl].

1965 Carlisle Journal. 22nd, January, 1965. In the Country : A solid phalanx of wild geese in flight. Scandinavian Gull. An egg in the nest. Wild Geese galore. [Subjects include: Eden Estuary. **Birds** : Juvenile Mute Swan. Scandinavian Lesser Black-backed Gull. Willow Warbler egg. Pink-footed geese].

1965 Carlisle Journal. 29th, January, 1965 In the Country : The moon and I- and a cry in the night. Mating cry of a fox. Heard in the distance. [Subjects include : Brampton. **Mammals** : Fox].

1965 Carlisle Journal. 5th, February,1965. In the Country : The ghost wood, haunt of poachers - dead and silent. My man Friday. He carried a gun. A plan of the place. [Subjects include : Orton Woods / Orton Moss. **Birds** : Wood Pigeon. Pheasant. **Mammals** : Rabbit].

1965 Carlisle Journal. 12th, February, 1965. In the Country : To the power of the floodtides. Unusual small birds. A rare one. A new food supply. [Subjects include : Solway Marsh. River debris & ice. Birds : Linnets. Meadow Pipit. Pied Wagtail. Twite. Rock Pipit. Wigeon. Greater Black-backed Gull].

1965 Carlisle Journal. 19th, February, 1965. In the Country : A visit to the 'Bosky' Woods of the Roe

Deer. Places of consequence. Wooded Gulls. Cockley Wood. [Subjects include : Cow Rigg. Sour Nook. Black shale dumps. Coal drifts. **Birds** : Woodcock. Marsh Tit. **Mammals** : Rabbit. Old Badger Sett. **Flora** : Primrose. Snowdrop].

1965 Sun Newspaper. 27th, February, 1965. A bird in his hand was worth 'Brush' with the law. [Ritson Graham is arrested by a young police constable on suspicion of being an escaped mental patient].

1965 Carlisle Journal. 5th, March, 1965. In the country : Winter visitors to a local fell tarn. Reservoir visit. Ducks at last. Dipper in deep water. [Subjects include : **Birds** : Yellow Buntings. Chaffinches. Greenfinches. Goldcrest. Dipper. Wigeon. Goldeneye. Brambling. Reed Bunting. Tree Sparrow].

1965 Carlisle Journal. 12th, March, 1965. In the Country : The Herons make a tardy return. Curious cries. More in a smaller wood. Rookery as an old heronry. [Subjects include : **Climate** : Arctic Blizzard. Birds : Herons. Rooks. **Mammals** : Roe Deer].

1965 Carlisle Journal. 19th, March, 1965. In the Country : Sunshine and snow by the side of the Solway. Birds from the Arctic. Heard scots rooster. [Subjects include : Jim Brown. **Birds** : Dunlin. Knots].

1965 Carlisle Journal. 26th, March, 1965. In the Country : The Ravens move their nesting haunt. At the Ravens Crag. This years nest. Merlin in a hurry. [Subjects include : **Birds** : Raven. Peewits/Lapwing. Golden Plover. Curlew. Merlin. **Mammals** : Sheep. Field Vole. Hare]. [Raptors].

1965 Carlisle Journal. 2nd, April, 1965. In the Country : A day on the moors in mid-March. Forbidding experience. The Shepherds note's. [Subjects include : Bewcastle/Gilsland Moor. Butterburn. Cheese-making. **Birds** : Golden Plover Oystercatcher. Lapwing. Curlew. Whooper Swan].

1965 Carlisle Journal. 9th, April. 1965. In the Country : Ravens, Buzzards and a herd of deer. Snow in sunshine. Ancient Deer Forest. Silhouette of deer. [Subjects include : Martindale. Rampsgill Head. **Birds** : Ravens. Buzzard. **Mammals** : Red Deer]. [Raptors].

1965 Carlisle Journal. 15th, April, 1965. In the Country : New quarters for the Heron family. Fears removed. [Subjects include : **Birds** : Herons. Wood Pigeon. Mallard Teal. Coot. Woodpecker. Lack of Lapwings/Peewits].

1965 Carlisle Journal. 23rd, April, 1965. In the Country : A lovely secluded spot in the Roe Valley. He recalls a shop. Restricted approach. Flower Island. [Subjects include : Fletcher Guards Meadow. Roe Valley. Thrangholm. Old Mill-race. **Birds** : Curlew. Rook. Mallard. Blackbird. Waterhen. **Flora** : Golden Saxifrage. Toothwart.

1965 Carlisle Journal. 30th, April. 1965. In the Country : When are the spring-visitors due? Cuckoos keep time. The most recent one watching a weasel. [Subjects include : Birds ; Migration arrival times. Cuckoo. Swallows. Martins. Willow Warbler. Blackbird. Wood Pigeon. **Mammals** : Weasel.].

1965 Carlisle Journal. 7th, May , 1965. In the Country : A day of pleasant surprises. Carrion Crow Nest. It loves stinks. Woodpecker drumming. Ploughed by bullocks. [Subjects include : **Birds** : Corn Bunting. Carrion Crow. Willow Warbler. Oystercatcher. Great-spotted Woodpecker. **Mammals** : Oxen. Insects : Butterflies : Peacock. Butterfly attracted to carrion].

1965 Carlisle Journal. 14th, May,1965. In the Country : Gunshot victim. The lone mammal. Will's abode. [Subjects include : Rockcliffe Marsh. Saltmarsh. Will - the Boatman. **Birds** : Pink-footed Geese. Greylag Geese. Terns. Black-headed Gull. Lesser Black-backed Gull. **Mammals** : Hare. **Flora** : Marsh Scurvy Grass].

1965 Carlisle Journal. 28th, May, 1965. In the Country : At last I find evidence of early man. From the stone-age. Not so successful. [Subjects include : Bewcastle. Neolithic Long Barrows. **Birds** : Goosander].

1965 Carlisle Journal. 4th, June, 1965. In the Country : A quiet and lovely place. Cuckoo country. [Subjects include : Geltsdale. **Birds** : Woodpecker (Heard nor seen). Cuckoo. Pied Flycatcher].

1965 Carlisle Journal. 11th, June, 1965. In the country : I try the joys of bog-trotting. Bog plants. Tough going. Disappointed. [Subjects include : Wedholme Flow and Glasson Moss. Peat. **Birds** : Curlew. Redshank. **Flora** : Peat. Sundew. Bog myrtle. Cotton Grass. Butterwort. Bog Bean. Bog Rosemary].

1965 Carlisle Journal. 18th, June, 1965. In the Country : Fears about Wild Goats are allayed : a mysterious boundary. Where the deer rested. [Subjects include : Christianbury Crag. 'Fosse of the Galwegians'. **Mammals** : Wild Goats. Roe Deer].

1965 Carlisle Journal. 25th, June, 1965. In the Country : The Osprey seen in Cumberland. [Subjects

include : Esk Estuary. **Birds** : Osprey seen at Naworth. Merganser. **Flora** : Curled Dock]. [Raptors].

1965 Carlisle Journal. 2nd July, 1965 In the Country : Rare visitors to haunt the city-cock birds give notice. Local distribution. [Subjects include : **Birds** : Corncrake. Corn Bunting].

1965 Carlisle Journal. 9th, July, 1965. In the Country : A hot day on Bowness Moss. Warm work on a hot day. An anxious male. [Subjects include : **Birds** : Curlew. Skylarks. Red Grouse. **Insects** : Moths Northern Egger Moth. **Flora** : Sphagnum. Cross-leaved Heath. Great Sundew].

1965 Carlisle Journal. 16th, July, 1965. In the Country : Stared-out-by a fellside Fox. An ancient cairn. The roof on the world. [Subjects include : Cold Fell. **Birds** : Golden Plover. Dunlin. Swifts. Ring Ouzel. Whinchat. Stock Dove. Kestrel. **Mammals** : Fox. **Flora** : Cloudberry. Willow-herb]. [Raptors].

1965 Carlisle Journal. 23rd, July, 1965. In the Country : Seasonal changes on the Marsh. Alike but different. A melancholy experience. The Marsh Men. [Subjects include : Turf cutting. Solway. **Birds** : Goosanders. Red-breasted Merganser. Sandpiper. Greater Black-backed Gull].

1965 Carlisle Journal.30th, July, 1965. In the Country : Flowers and birds of the summer. Beautiful days. Butterflies. Plenty of plants. Doorstep visitors. [Subjects include : **Birds** : Coal Tit. **Insects** : Butterflies : Orange-tip. Peacock. **Flora** : White Helleborine. Wall Pennywort. Chickweed Wintergreen. New Zealand Willow-herb. Lungwort].

1965 Carlisle Journal. 6th, August, 1965. In the Country : Strange events near home. Injured hare. Antic of a Water Shrew. Too big to be seen. The smaller British mammals. [Subjects include : **Mammals** : Hare. Water Shrew. Pygmy Shrew.

1965 Carlisle Journal. 13th, August, 1965. In the Country : Dismal days in a so-called Summer. Autumn gulls arrive. When the sun shone. Popular fallacies. [Subjects include : **Birds** : Common Gull. Lesser Black-backed Gull. Yellow wagtail. Insect : Swallowtail Butterfly. Mammals : Fox carcase Rats. **Flora** : Betony. Willowherb. Harebells. Foxglove. Reed Mace].

1965 Carlisle Journal. 20th, August, 1965. In the Country : Evidence of the ancient stone quarryman. Labyrinth of quarries. The shy blue dove. [Subjects include : Blaze Fell. Sandstone workings. **Birds** : Stock Dove or "Blue Rock". Green Woodpecker. **Flora** : Parsley Fern. **Trees** : Larch].

1965 Carlisle Journal. 27th, August, 1965. In the Country : The great exchange is on its way : Fore-runner has arrived. From Arctic to Solway. Green Sandpiper. [Subjects include : **Birds** : Migration. Waders : Knot. Greenshank. Green Sandpiper. Redshank. Oystercatcher].

1965 Carlisle Journal. 3rd, September, 1965. In the Country : Painted Lady and the lethargic lizard. Record nesting season. Lethargic Lizard. Roe Deer ahead. [Subjects include : Harvest time. Roadside hedge cutting. **Mammals** : Dead Hedgehog. Roe Deer. **Insects** : Butterfly : Painted Lady. **Reptile** : Common Lizard].

1965 Carlisle Journal. 10th, September, 1965. In the Country : A closer look at Bolton Fell. Bonny blooming. Cranberry crop. Lingering bird life. [Subjects include : Hethergill. Solway Moss. **Birds** : Red Grouse. Golden Plover. Meadow Pipit. **Mammals** : Fox tracks. Hare. Roe Deer. **Flora** : Heather. Cranberry. Wild Fruits].

1966 - The Newspaper changes to Westmorland & Cumberland Jnl (WCJ).

1966 W&CJ. 7th January, 1966. In the Country. If there is a heaven on earth : scenes recalled. [Subjects include : **Climate** : Review of the recent weather. Geltsdale. **Birds** : Golden Plover. Dunlin. Red Grouse. Wheatear. Sandpipers. Curlew. Willow Warbler. Whitethroat].

1966 W&CJ. 14th January, 1966. In the Country : A cry in the wintry woods : contrasting voices. Watchful Sparrowhawk. [Subjects include : **Climate** : Frost and Ice. Coppice practice. **Birds** : Jay. Woodpigeons. Sparrowhawk. **Mammals** : Roe Deer]. [Raptors].

1966 W&CJ. 28th January, 1966. In the Country : Over the boot tops in a field bog : down from the moors. An elusive Bulfinch. Going to roost. [Subjects include : Drainage systems. **Birds** : Meadow Pipit. Pied Wagtail. Reed Bunting. Blue Tits. Great Tits. Hedge Sparrow. Bullfinch. Carrion Crow].

1966 W&CJ. 11th February, 1966. In the Country : Winter outings to the woods : In the silent woods. Roe deer and Stoat. [Subjects include : **Birds** : Woodpigeon flocks (approx 300). Wild Swans. Kestrel. Goldcrest. Long-tailed Tits. Great Tits. **Mammals** : Roe Deer. White Stoat].

1966 W&CJ. 18th February, 1966. In the Country : Whooper Swans in winter : Over the Bank. Greatest number ever. [Subjects include : 'Potato land'. **Birds** : Whooper Swans - flock of 77].

1966 W&CJ. 25th February, 1966. In the Country : Winter wind and a few birds : Sheltered land. Touch of

Spring. [Subjects include : Calflings Beck. Parish Boundary Stone. **Birds** : Partridge. Pink-footed Geese. Woodpigeons. Rooks. Starlings. Common Gull. **Trees** : "Pussy Willow"].

1966 W&CJ. 11th March, 1966. In the Country : The "forest" around Carlisle. [Subjects include : **Birds** : Goldcrests. Blue Tit. Great Tit. Long-tailed Tit. **Trees** : Inglewood. Pine Plantations. Oak. Ash. Beech & Sycamore. Pine Plantations.

1966 W&CJ. 18th March, 1966. In the Country : The signs of a new season : first flowers. Following the plough. [Subjects include : **Birds** : Bullfinches. Curlew. Skylarks. Common Gulls. **Flora** : Gorse. Coltsfoot. **Trees** : Alder Catkins. Willow. Elm trees].

1966 W&CJ. 25th, March, 1966. In the Country : The Heron Wood is no more : not all lost. [Subjects include : **Birds** : Herons & Heronries. **Trees** : Tree felling. Forestry].

1966 W&CJ. 1st, April, 1966. In the Country : March on the moors : First visitors. Plovers. [Subjects include : **Birds** : Peewits/Lapwings. Redshank. Curlew. Golden Plover. Ravens - nuptial display].

1966 W&CJ. 8th, April , 1966. In the Country : A wanton and cruel act of killing : Pleasant surprises "Cuckoo in the nest". [Subjects include : **Birds** : Merlin. Grey Wagtails. Long-tailed Tits nest. **Mammals** : Badgers. Field Mouse. **Flora** : Toothwort. Blackthorn].

1966 W&CJ. 15th April, 1966. In the Country : Snow in April and the Hare's habits. The birth and death of Hares. [Subjects include : East Cumberland Fells. **Climate** : Heavy snow showers. **Birds** : Golden Plover. Curlew. Lack of Lapwings. Carrion Crows. Woodpigeons. Robins. Skylarks].

1966 W&CJ. 22nd, April, 1966. In the Country : Felltops still in Winters Grip. Death trap for Terriers. The only tree in sight. [Subjects include : Gilsland. Cramel Linn. Shot Scar. Butterburn. Moss Catherine Waterfall or "Moss Cauldron". **Birds** : Meadow Pipit. Curlews. Oystercatchers. Skylarks. Red Grouse. Carrion Crow. Dipper. **Mammals** : Foxes. **Trees** : Sycamore Tree].

1966 W&CJ. 29th, April, 1966. W&CJ. 29th, April, 1966. In the Country : Herons are busy nesting : Roused from the wood. Corn Bunting returns. [Subjects include : **Birds** : Herons. Woodcock. Tawny Owl. Jay. Corn Bunting. **Mammals** : Brown Hare. Roe deer scrapings. **Flora** : Celandine].

1966 W & CJ. 13th May, 1966. In the Country : Great day on Wedholm Flow : Plenty of hazards. Profusion of flowers and birds. [Subjects include : **Birds** : Larks. Redshank. Curlews. Kestrel. **Flora** : Cotton Grass. Hare's-foot. Bog Rosemary. Bog Myrtle or "Sweet Gale"].

1966 W & CJ.20th, May, 1966. In the Country : Spring at last : Outdoor days. Avenue of Cherry blossom. Wayside flowers. [Subjects include : **Birds** : Corn Bunting. Whitethroat. Willow Warbler. Mallard. Lapwing. Curlew. Corncrake. **Insects** : Butterflies ; Small Tortoiseshell. **Mammals** : Bats. **Flora** : White Stitchwort. Dog violet. Chives. Butterflies : Small Tortoiseshell].

1966 W & CJ.27th May, 1966. In the Country : Farewell to Whitehill : Last visit after 33 years. Only consolation. [Subjects :Bewcastle. White Hall. Gilsland. Joe Murray].

1966 W & CJ. 3rd, June, 1966. In the Country : The calm after the storm. [Subjects include : **Birds** : Sedge Warbler. Whitethroat. Corn Bunting. Corncrake. Willow Warbler. Peewit. Curlew. Kestrel. **Mammals** : Roe Deer. **Flora** : Early Purple Orchid. Cowslip. Cuckoo Pint/Lords & Ladies. Welsh Poppies. Figwort. Columbine]. [Raptors].

1966 W&CJ. 10th, June, 1966. In the Country : The sunny Solway. Broodless goosanders. Five but not welcome. [Subjects include : Solway optical illusion. **Birds** : Goosanders. Lapwing. Redshank. Lesser Black-backed Gull nesting colony. Egg theft].

1966 W&CJ. 17th, June, 1966. In the Country : Road is resumed-after centuries. Humble dwellings. A transformation. [Subjects include : Black Preston. White Preston. Bewcastle Range. Bullcleugh. **Birds** : Dunlin. Golden Plover. Ring Ouzel. **Flora** : White Heather].

1966 W&CJ. 24th June, 1966. In the Country : the Charm of a Valley Walk . [Subjects include : Caldew. Dale Beck. Ryelands. Old Coalmines. **Birds** : Woodcocks. **Fish** : Brown Trout. **Trees** : Hazel. Birch. Alder].

1966 W&CJ. 17th, June, 1966. In the country : Roadside thickets. Old Watermill. [Subjects include : **Birds** : Curlew. Lapwing. Greater Spotted Woodpecker. **Flora** : Guilderose. Meadow Cranesbill. Hemp Agrimony. Butterbur. **Trees** : Blackthorn. Hazel. Oak. Birch. Sallow].

1966 W&CJ. 1st July, 1966. In the Country : Over the boot tops in wet moss. [Subjects include ; Walton Moss. Bolton Fell. North Cumberland Moors. **Birds** : Redstart. Curlew. Meadow Pipit. Wrens. Red Grouse. Golden Plover. **Flora** : Spagnum Moss. Heather. Haresfoot. Cotton Grass. Cranberry].

1966 W&CJ. 8th July, 1966. In the Country. Face to face with an Adder. Stout stick handy. Flowering plants. [Subjects include : **Reptiles** : Adder. **Flora** : Dyers Greenweed. Fragrant Orchid. Zigzag Clover. Bog Asphodel. Great Sundew].

1966 W&CJ. 15th July, 1966. In the County : When Fells were deserts. Black Ants. Few Birds. [Subjects include : Lazonby Fell. Sandstone. Permian New Red Sandstone. **Birds** : Black-headed Gulls Redshank. Whinchat. Whitethroat. Red Grouse. **Insects** : Ants. Small Heath Butterfly. **Flora** : Heather. Bracken peat. Tormentil. Bedstraw. Birds-foot Trefoil. Wild Rose. Wood. Cranesbill. **Trees** : Elder. Japanese Larch].

1966 W&JC. 22nd July, 1966. In the Country : A great Wood. Being cut down. Favoured by Roe deer. Botanical finds. An empty cottage. [Subjects include : Walton Wood. Place Names. **Birds** : Great Spotted Woodpecker. **Mammals** : Roe Deer. Moles. **Amphibians** : Toad. **Flora** : Juniper. Horsetails].

1966 W&CJ. 5th, August, 1966. In the Country : The end of a season : berries for the birds. Birds prepare. [Subjects include : **Birds** : Swifts. Sandpiper. Common Gull. Martin. Ring Ouzel. Red Grouse. Mallard. **Flora** : Cloudberry. Cranberry. Bilberry. Honeysuckle. Wild Raspberries. **Trees** : Hawthorn. Elder. Bird Cherry. Conifer cones].

1966 W&CJ. 12th, August, 1966. In the Country : Colour bar among the birds. A great invader. [Subjects include : Kirkandrews. **Birds** : Albino Blackbird. Collard Dove. Waxwings. Pallas Sand Grouse].

1966 W&CJ. 26th August, 1966. In the Country. The first migrants arrive. The grey Greenshank. Far travelled Green sandpiper. Graceful Yellow wagtail. [Subjects include Climate :Thunderstorms. Flooding. Migration. **Birds** : Migration. Greenshank. Green Sandpiper. Curlew. Dunlin. Ring Plover].

1966 W&CJ. 2nd September, 1966. In the Country : Some rural rides of mine. [Subjects include : Cycle trips. Title Boundary stones. Horseshoe drainage tiles. **Flora** : Guilder Rose. **Trees** : Scots Pine.

1966 W&CJ. 9th September. 1966. In the Country : From Rack Bridge to Roweltown. [Subjects include : River Lyne. "Rock bridge". Goat Island. Fungi. **Birds** : Heron. Grey Wagtail. **Mammals** : Badgers Earth. **Fish** : Leaping Trout. **Flora** : Sheep's-bit scabious.

1966 W&CJ. 16th September, 1966. In the Country : Sunshine and birds on the Solway. [Subjects include : Solway shore. **Birds** : Greenshank. Godwit. Oystercatchers. Knot. **Fish** : Haaf-net fishers.

1966 W&C.J. 30th September, 1966. In the Country. : A wet day on the tops at Bewcastle. [Subjects : Road Head. White Lyn. Climate : Rain].

1966 Carlisle & Cumberland Jnl. In the Country : Some rural rides of mine. [Subjects include : Parish/Title Boundaries. Drain Tiles].

1966 C&CJ. 16th September, 1966. In the Country : Sunshine and Birds on the Solway. [Subjects include : Bowness. **Birds** : Greenshank. Godwit. Oystercatchers. Knot. **Fish** : Haaf netting].

1966 C&CJ. 30th September. 1966. In the Country : A wet day on the tops at Bewcastle. [Subjects include : Roadhead. White Lyne. High Onset. Bewcastle. **Birds** : Goosander].

1966 C&CJ. 7th, October, 1966. In the Country : Back to my boyhood haunts.

1966 C & CJ. 21st October, 1966. In the Country : Glimpses of a former glory on Wragmire Moss. Surprising sights. [Subjects include : Bogland. Drain Tiles. **Birds** : Kestrel. **Mammals** : Roe Deer. Weasel]. [Raptors].

1966 C&CJ.28th October,1966. In the Country : A new but late birds nest. Nesting period. Wild Geese arrive. [Subjects include : **Birds** : Collard Turtle Dove. Fieldfare. Mistle Thrushes. Blackbirds. Wild Geese. Canada Geese. **Trees** : Yew Tree berries].

1966 C&CJ. 4th November, 1966. In the Country : Sloshing through the mirey Rockcliffe Marsh. Conger Eel stranded. Pink-footed Geese. [Subjects include : Eden Estuary. Horse trapped in quick sand. 'Mirings of stock'. **Birds** : Golden Plover. Gulls. Curlew. Pink-footed Geese. Greylag Geese. **Fish** : Conger Eel].

1966 C&CC. 11th, November, 1966. In the Country : At the Crab Tree sheep fold. Coincidence. Ducks arrive. [Subjects include : **Birds** : Fieldfares. Red Grouse. Merlin. Wigeon. Mallard. Blackcock].

1966 C&CJ. 18th, November, 1966. In the Country : Twice I meet a rare killer. [Subjects include : **Birds** : Fieldfares. Redwing. Skylark. Lapwing. Merlin]. [Raptors].

1966 C&CC. 25th November, 1966.In the Country : Winter Ducks and Turtle Doves. [Subjects include : Boundary stone. Silloth. **Birds** : Mallard. Tufted Duck. Pochard. Collard Turtle Dove. Carrion Crow. Gull flocks].

1966 C & CJ 2nd, December, 1966. In the country : the Shares of Colmire. [Subjects include : Oulton Lesson Hall Gravel Pits. **Molluscs** : Freshwater Mussels].

1966 C&CJ. 9th, December, 1966. In the Country : In the haunt of the Woodpeckers. [Subjects include : **Birds** : Great-spotted Woodpecker. Woodcock. Green Woodpecker. Jays. Fieldfares. Lapwing. Tawny Owl. Woodpigeons. **Fungi** : Bracket Fungus. **Mammals** : Bat].

1966 C&CJ. 16th, December, 1966. In the Country : A day of execution in the woodlands. Subjects include : Caldbeck Fells. Brocklebank. Snow. **Birds** : Tits : Coal, Great and Long-tailed. Fieldfares. Pheasants. Woodpigeons. Robin. Wren. White Blackbird. **Flora** : Corn Feverfew. Nettles].

1966 C&CJ. 23rd, December, 1966, In the Country : Thomas Bewick, Artist and Engraver. [Black Moss. Black Preston. Bewcastle].

1966 C&CJ. 30th, December, 1966. In the Country : But old Brock still survives. [Subject : **Mammals** : Badger].

1967 C&CJ. 6th, January, 1967. In the Country : When winter grips the countryside. [Subjects include : Birds : Robin. Blackbirds. Woodpigeon. Lapwing. Pied Wagtail. Pheasant. Carrion Crow. Long-tailed Tits. **Flora** : Ferns. Foxgloves. **Trees** : Holly].

1967 C&CJ. 13th, January, 1967. In the Country. Golden Plover among the Peewits. [Subjects include : Petteril Valley. **Birds** : Peewit. Golden Plover. Great Spotted Woodpecker. Water Ouzel. Fieldfare. **Mammals** : Badger. Hare. **Flora** : Elderberry Trees].

1967 C&CJ. 20th, January, 1967. In the Country : The Hunters of the Countryside. The spirit of adventure. The old habits. Trapping and Hunting. [Subjects include : River Caldew. Cummersdale Banks. Primrose Bank. Hunting. **Mammals** : Whippets].

1967 C&CJ. 27th January, 1967. In the Country : Noble fish in a sickly condition. [Subjects include : Eden estuary. Priesthill Plantation. **Birds** : Goldeneye. **Fish** : Salmon. **Mammals** : Fox].

1967 C&CJ. 3rd, February, 1967. In the Country : Birds bursting into real song. [Subjects include : **Birds** : Thrush. Blackbird. Ring Ouzel. Great Tit. Chaffinch. Robin. Wren. Hedge Sparrow. **Mammals** : Scotch Black-faced Sheep. **Trees** : Sallow "Pussy Willow"].

1967 C&CJ. 16th, February, 1967. In the Country : A fine old seaside settlement. [Subjects include : Campfield. Bowness Shore. Pasture House Marsh. **Birds** : Pink-footed Geese. Oystercatcher. Curlew. Lapwing. Great Black-backed Gull. **Molluscs** : Clusters of overwintering snails *Helix aspersa.* **Flora** : Horsetails].

1967 C&CJ. 24th, February, 1967. In the Country : Watching the Wild Geese. [Subjects include : Rockcliffe Marsh. **Birds** : Tracking wild Pink-footed Goose].

1967 C&CJ. 3rd March, 1967. In the Country : A walk on a wintry day. [Subjects include : **Climate** : Unusual weather. River Eden. Shap Granite. **Birds** : Carrion Crow. Wood Pigeon. Whooper Swans. **Flora** : Coltsfoot. Dogs Mercury].

1967 C&CJ. 10th, March, 1967. In the Country : Pigs in paradise. [Subjects include : Churchyard Headstones. Barbed Wire. Field Hedges. **Birds** : Woodcock. Bullfinch Mallards. **Mammals** : Traces of Roe Deer].

1967 C&CJ. 17th March, 1967. In the Country : Surge of Spring. [Subjects include : **Birds** : Greylag Geese. Mallard. Black-headed Gulls. Absence of Skylarks. Curlew. Thrush. Blackbird. Robin. Sparrow. Blue Tit. Great Tit. Wren. **Flora** : Coltsfoot. Black Poplar. Chickweed. Red Dead Nettle. Crocus].

1967 C&CJ. 23rd March, 1967. In the Country [No Title]. [Subjects include : **Climate** : March Storms. Stone Drains. **Birds** : Curlew. Skylark. Partridge. Stock Dove. **Mammals** : Dead Fox. **Flora** : Honeysuckle. Raspberry canes. Field Speedwell. Coltsfoot. Red Dead Nettle. **Trees** : Fallen Beech Trees. Birch Woods].

1967 C&CJ. 31st March, 1967. In the Country : An authoritative book of the lakes. [Carlisle Natural History Society].

1967 C&CJ.7th April, 1967 In the Country. [No title]. [Subjects include : **Climate** : Frozen Fells. Shepherds. **Birds** : Curlew. Stock Doves nesting. Merlin Pipit. **Flora** : Willow Grass]. [Raptors].

1967 C&CJ. 14th April, 1967. In the Country. [No Title]. [Subjects include : **Birds** : Herons and Heronry. Kestrel. Great Spotted Woodpecker. Jay. Curlew. Ring Ouzel. Wheatear. **Mammals** : Hare. Roe Deer. **Flora** : Wood Anemone. Hairy Bitter Cress]. [Raptors].

1967 C&CJ. 21st April, 1967. In the Country [No title]. Subjects include : Gilsland. **Birds** : Wheatear. Curlew. Redshank. Lapwing. Oystercatcher. Golden Plover. Kestrel. Pied Wagtail]. [Raptors].

1967 C&CJ. 28th, April, 1967. C&CJ. In the Country. [No Title] [Subjects include : Cumwhitton. Small Bogs. **Birds** : Larks. Curlew. Peewit. Swallow. Corn Bunting. Mallard. Reed Bunting. **Flora** : Cross-leaved Heather. Cotton Grass. Sphagnum Moss].

1967 C&CJ. 5th May, 1967. In the Country. [No Title]. Subjects include : **Birds** : Heronry. Carrion Crow. **Mammals** : Roe Deer Scrapings. **Trees** : Wild Cherry.

1967 C&CJ. 12th May, 1967. In the Country. [No Title]. Subjects include : Bowness/Anthorn Mosses. **Birds** : Red Grouse. Curlews. Larks. **Mammals** : Fox Earth. Brown Hare. **Reptiles** : Adder. **Insects** : Tortoiseshell Butterfly. **Flora** : Sweet Gale/Bog Myrtle. Bog Rosemary. Sundew. Cotton Grass].

1967 C&CJ. 19th May, 1967. In the Country. [No Title]. [Subjects include : Solway Peat Moss. **Birds** : Cuckoo. Greylag Geese. Black-headed Gulls. Golden Plover (Northern & Southern Races). **Flora** : Marsh Scurvy Grass].

1967 C&CJ. 26th May 1967. In the Country. [No Title]. [Subjects include : Grune Point. Blossom Time. **Birds** : Whitethroat. Swallows. House Martins. Sand Martins. Corncrake. Swifts. Cuckoo. Meadow Pipit. Goosander. Raven's Nest. Guillemot (Oiled), **Fish** : Salmon. **Flora** : Broom. Guilder Rose. Garlic Mustard. **Trees** : Crab Apple. Wild Pear. Hawthorne. Rowan].

1967 C&CJ. 9th June, 1967. In the Country. [No Title]. [Subjects include : Martindale Forest. Ullswater. Wildlife Preservation. Vermin. **Birds**: Ravens, Falcons, Eagles. **Mammals** : Pine Martens. Roe Deer herd. **Trees** : Yew Trees].

1967 C&CJ. 16th June, 1967. In the Country. [No Title]. [Subjects include : Wedholme Flow. Peat Cutting. **Birds** : Whitethroat. Willow Warbler. Sedge Warbler. Carrion Crow. Curlew. Cuckoo. Skylarks.

Reptiles : Dead Adder. **Insects** : (Moth) : Oak Egger Moth. (Butterfly) Orange Tip. **Flora** : Hedge Parsley. Stitchwort. Speedwell. Cotton Grass. Heather. Crosswort. **Trees** : Hawthorne Blossom. Lesson Hall Pear Tree. Rowan].

1967 C&CJ. 23rd June, 1967. In the Country. [No Title]. [Subject : Silloth/Allonby. Abbeyholme. **Birds** : Reed Bunting. Skylarks. Meadow Pipit with nest and eggs. **Flora** : Gorse. Peat Mosses. Cottontail. Hares-foot. Spotted Orchid. Long-leaved Sundew].

1967 C&CJ. 7th July, 1967. In the Country : A Day among the birds : Dive-bombed by Terns. An unusual Duck. [Subjects include : Rockcliffe Marsh. High Tide. Esk Estuary. Boatman's dwelling. **Birds** : Golden Plover. Goosander & young. Terns. Gulls. Redshank. Gadwall. Lapwing. Waterhen. Oystercatcher. **Flora** : Sedge. Arrowgrass. Scurvygrass].

1967 C&CJ. 4th August, 1967. Advance signs of Winter. Vantage Point. Wheatear visitor. Horse Mushrooms. [Subjects include : Solway Viaduct. **Birds** : Early wild Geese. Pink-footed Geese. Oystercatchers. Herring Gull. Godwits. Terns. Dunlin. Wheatear. Shelduck. Knots Linnet. **Fungi** : Horse Mushrooms. **Flora** : Sea Thrift. Sea Aster. White Campion].

1967 C&CJ. 11th, August 1967. A look into the past : Roman Wall. [Subjects include : Thurstonfield Lough. Foldsteads. Roman Ditches. (Vallum). Monkshill Lough. **Flora** : Mimulus (Monkey Flower). Jointed Rush].

1967 C&CJ. 18th August, 1967. Roe Deer and heather honey. Departed. [Subjects include : Hedge-cutting time. Harvest crops. **Birds** 'Hundreds of Gulls'. Mallard, Curlew. **Mammals** : Roe Deer pair. Fox. **Fungi** : Chanterelle. **Flora** : Heather. Mullein. White Campion].

1967 C&CJ. 25th, August, 1967. In the Country : Caught in the storm. [Subjects include : Solway Marsh. **Climate** : Rain, Thunder and Lightening. Cattle sheltering. **Birds** Swallows. Sand Martins. Greenshank. Wheatear & young. Sandpiper. Yellow Wagtails. Lapwing].

1967 C&CJ. 1st, September, 1967. In the Country : A day on Cold Fell. No travellers. [Subjects include : Midgeholme. Thore Gill. Cairns. **Birds** : Red Grouse. Stock Doves. Kestrel. Ring Ouzel. Wren. Flora : Zealand Willow Herb. Ferns. Heather. Bilberry. **Trees** : Birch]. [Raptors].

1967 C&CJ. 8th, September, 1967. In the Country : Rich harvest of grain. [Subjects include : Stooks & Stacks. Drainage operations. **Birds** : Marsh Tit. Mallard (approx 150), Curlew. **Mammals** : Friesian Cattle. Roe Deer damage & "Velvet". **Fungi** : Lesser Skullcap].

1967 C&CJ. 15th, September, 1967. In the Country : Solway's solitude. [Subjects include : Bowness to Cardurnock. Drainage operations. **Birds** : Effects of tides on bird movement. Bartailed Godwit. Greenshank. Mallard. Teal. Shelduck. Snipe].

1967 C&CJ. 22nd,September, 1967. In the Country : Deer in Love. [Subjects include : **Birds** : Gulls. Godwit. Curlew. Lapwing. Oystercatcher. **Mammals** : Red Deer Rut. Roe Deer racing ring.

Flora : Rose-bay Willowherb. Ragwort. Scottish Thistle. Broad-leaved Dock].

1967 C&CJ. 29th, September, 1967. In the Country : Serenaded by Owls. [Subjects include : Burgh. Broadfield. "Monument Lonning" Solway. **Birds** : Woodpigeon. Magpie. Tawny Owl. Common Gull. Herring Gull. Great Black-backed Gull. Lesser Black-backed Gull. **Flora** : Blackberries. Rubus family].

1967 C&CJ. 6th, October, 1967. In the Country : Ducks on a lonely tarn. [Subjects include : Tindale Fell. **Birds** : Snipe. Merlin. Fieldfare. Reed Bunting. Ring Ouzel. Wild Ducks (approx 100), Curlew. Red Grouse. Meadow Pipit. **Mammals** : Rabbit. Field Vole. Sheepfolds. **Flora** : Flowering Reeds] [Raptors].

1967 C&CJ. 13th, October, 1967. In the Country. No Title. [Subjects : Durdar. Broadfield. **Climate** : Rainy season and Harvesting. . **Birds** : Wild Duck. Waterhen. Little Grebe. Heron. Bullfinch pair. **Mammals** : Rabbits & Myxomatosis. **Flora** : Brambles].

1967 C&CJ. 20th, October, 1967. In the country. No Title. [Subjects include : "Great Gale". Damaged crops. **Birds** : Sparrows. Buntings. Finches. Wild Duck. Wild Geese. Mallard. Migrant Curlew. Meadow Pipit. Kestrel. Common Gull. **Flora** : Dock seed]. [Raptors].

1967 C&CJ. 27th, October, 1967. In the Country : Ghosts in the Woodland. [Subjects include : **Birds** : Jay. Blue Stock Dove. **Fungi** : Toadstools. Lichen. **Flora** : Wild Pear Tree].

1967 C&CJ. 3rd November, 1967. A Walk in the Country : Battle for life on the Solway. [Solway Marsh. **Climate** : Flooding. **Birds** : Greater Black-backed Gull. Kittiwake. Goldeneye. Fieldfares. Curlew. **Flora** : Corn Marigold].

1967 C&CJ. 10th, November, 1967. In the Country : Cold and wet grips the land. [Subjects include : Autumn. Leaf colour changes. **Birds** : Partridge Covey. Fieldfares. Redwing. Great Spotted Woodpecker. Stock Dove. Grey Wagtail. Skylarks. **Flora** : Flagweed. Willowherb. Harts-tongue Fern. **Fungi** : Sulphur Cap].

1967 C&CJ. 17th, November, 1967. In the Country : Ducks on an inland water stretch. [Subjects include : Monk hill & Thurstonfield Lough. **Birds** : Coots. Little Grebe/Dabchick. Pochard. Goldeneye. Tufted Duck. **Flora** : Beech. Oak. Pine].

1967 C&CJ. 24th, November, 1967. In the Country : Winter visitors to the County. [Subjects include : Climate : Wet weather & Consequences. Flooding. **Birds** : Pochard. Mallard. Wigeon. Goldeneye. Whooper Swans. **Flora** : Bay-leaved Willow. Grass of Parnassus].

1967 C&CJ. 1st, December, 1967. In the Country : no title. [Subjects : Foot & Mouth restrictions. Phenomenon of "Newcastle Reek". **Birds** : Blackcaps. Trees : Hornbeam].

1967 C&CJ. 8th, December, 1967. In the Country : no title. [Foot & Mouth Restrictions. **Birds** : Carrion Crow. Jay. Merlin. Long-tailed Tit. Blackbirds. Mistle Thrush. **Flora** : Ferns : Common Polypody].

1967 C&CJ. 15th, December, 1967. In the Country : no title. [Subjects : **Birds** : Owls. Bullfinches. Kestrel. **Mammals** : Roe Deer. Foxes]. [Raptors].

1967 C&CJ. 29th, December, 1967. In the Country : no title. [Subjects include : **Birds** : Waxwings. Waterhen. Woodcock. Long-tailed Tits. Great Tits. Fieldfare. Curlew. Golden Plover].

1968 C&C.J. 5th, January, 1968. In the Country : no title. [Subjects include : **Birds** : Whooper Swans].

1968 C&CJ. 12th, January, 1968. In the Country : no title. [Subjects include : **Birds** : Lapwing/Peewit. Common Gulls. Hedge Sparrow. Mute Swan. Whooper Swan. Crossbill].

1968 C&CJ. 19th, January, 1968. In the Country : Footprints in the snow. [Subjects include : **Birds** : Pheasant. Fieldfare. Kestrel. Pink-footed Geese. **Mammals** : Fox. Otter. Rabbit. Hare. **Trees** : Holly Tree destruction].

1968 C&CJ. 26th, January, 1968. In the Country : Oystercatchers and Gulls. [Subjects include : Foot & Mouth Restrictions lifted. River Eden. Priesthill. Grinsdale locality. Solway. Rockcliffe. Roman remains / Coins. Carr Bed. **Birds** : Magpies. Goldeneye. Lesser Black-backed Gulls].

1968 C&CJ. 2nd, February, 1968. In the Country : Original and Primitive. [Subjects include : **Birds** : Herring Gulls. Mallard. Goosanders. Greylag Goose. Goldeneye].

1968 C&CJ. 9th, February, 1968. In the Country : At the time of the full ebb. Close contact. [Subjects include : Solway Marsh. Tides. **Birds** : Pink-footed Geese. Great Black-backed Gull. Redshank. Curlew].

1968 C&CJ. 16th, February, 1968. In the Country : In stately solitude. [Subjects include : **Climate** : Seasonal changes. Moorhouse-Culton-Wigton Country. **Birds** : Fieldfare. Reed Buntings. Great Black-backed Gull. Tufted Duck. Pochard. Magpies. Coot. Mallard. Mute Swan. Teal. Lesser

Black-backed Gull. Common Gull].

1968 C&CJ. 23rd, February, 1968. In the Country : no title. [Subjects include : Sewage Farm & Gravel pits. Castle Carrock Reservoir. **Birds** : Mallard. Goldeneye. Tufted Duck. Little Grebe. Dippers. Goosanders. Gulls. Dabchick. Widgeon].

1968 C&CJ. 1st March, 1968. In the Country : Warm sunshine. Not Spring fever. [Subjects include : **Birds**: Flocks of Lapwing/Peewit. , Golden Plover. Skylarks. Gulls. Rooks. Starlings].

1968 C&CJ. 8th, March, 1968. In the Country : no title. [Subjects include : Bowness to Cardurnock. Solway. Frosted Ground. Sand flatts. **Birds** : Redshank. Teal. Mallard. Shelduck. Canada Geese. Greylag Geese. Plover. Skylarks. Rooks. Golden Plover. **Mammals** : Fox kill].

1968 C&CJ. 15th, March, 1968. In the Country : no title. [Subjects include : Overwater. Binsey. Latrigg. [Subjects include : **Birds** : Black-headed Gulls. Coot. Tufted Duck. Golden eye. Heron Wood. **Mammals** : Stoats].

1968 C&CJ. 22nd, March, 1968. In the Country : no title. [Subjects include : Spring-like days on moor and fell. **Birds** : Herons & Heron Wood. Golden Plover. Peewit/Lapwing. Red Grouse].

1968 C&CJ. 29th,March, 1968. In the Country : no title. [Subjects include : **Climate** : Icy March winds Barren Woodland. **Birds** : Cock Pheasant. Kestrel. Dipper. Mammals : Fox remains]. [Raptors].

1968 C&CJ. 5th, April, 1968. In the Country : Freakish flooding. Adverse effect. [Subjects include : Climate : Carlisle Storms and Flooding. River Eden Flooding. **Birds** : Lapwing/Peewit. Golden Plover. Curlews. **Amphibians** : Frogs spawn. **Flora** : Coltsfoot].

1968 C&CJ. 12th, April, 1968. In the Country : Scattered, Disturbed. [Subjects include : **Climate** : Return of Winter Weather. **Birds** : Wheatear. Ring Ouzel. Tufted Duck. Pochard. Wigeon. Goldeneye. Curlew. Lapwings. Redshank. Heron Wood. **Flora** : Red Dead-nettle. Dandelion. **Trees** : Goat Willow/Sallow].

1968 C&CJ. 19th, April, 1968. In the Country ; no title. [Subjects : The variety of Cumberland's countryside. Brampton. Carleton & Castle Carrock. Ice Age. Drumlins, Eskers. 'Brampton Kame Belt.' **Birds** : Mallard. Oystercatcher. Peewit. Curlew. Dipper. Teal. Black-headed Gull. Redshank].

WORK ON THESE CUTTINGS CONTINUES.

1984 "Plant Record **211/11/54** *Rubus laciniatus* Willd. V.C. 70, Cumberland : Scotby, Carlisle. GR 35/4.5. Railway siding. R. Graham, 1940, CLE, det, A. Newton. First Vice-county record." Watsonia. **15**, (2), August,130. [Flora].

1993 Burgess, Sir John. Ritson Graham : an Obituary published in the Cumberland News. **In :-** Ritson Graham, The Birds and Wildlife of the Bewcastle Fells and the Gilsland Moors, 1930-1966. Edited by Stephen Matthews and David J. Clarke. Carlisle. Bookcase. 1993. ISBN. 0 9519920 5 8.

1993. Ritson Graham. A Border Naturalist. The Birds and Wildlife of the Bewcastle Fells and the Gilsland Moors 1930-1966. Edited by Stephen Matthews and David J. Clarke. Carlisle. Bookcase. 1993. ISBN O 9519920 5 8.

1993 Ratcliffe, Derek A. Foreword about Ritson Graham. **In :-** Ritson Graham. The Birds and Wildlife of The Bewcastle Fells and the Gilsland Moors,1930-1966. Edited by Stephen Matthews and David J. Clarke. Carlisle. Bookcase. 1993. ISBN 0 9519920 5 8.

1996 Author : Hewitt, Stephen M. Ritson Graham. Carlisle Natural History Society-the first hundred years. **In :-** Transactions of the Carlisle Natural History Society, Vol **12**, 107-125. [Biography].

2002 Ritson Graham. **In :-** Ratcliffe, D.A. Lakeland - the Wildlife of Cumbria. Harper Collins. 000 711303 X. [Biography].

n.d. A collection of nine detailed un-published Field Books by Ritson Graham 1923-1924, 1931-1936, 1938-40. An index of locations and dates compiled by A.F.Armsby is available at Tullie House. Location :- Archive, Department of Natural Science, Tullie House Museum, Carlisle.

n.d. A collection of undated items, clippings etc kept in the Department of Natural Science, Tullie House. **Sheet 1.** Things are coming on (Includes : Snowdrops. Birds tuning up. A good Salmon year. Fluctuating numbers. Salmon & Cormorants]. [Flora] [Fish] [Birds].
Sheet 2. The Croglin Valley & Fell. Includes : Crows, Buzzards. Peewit pairs (Lapwing). Woodpeckers. White Stoat. Croglin Lot and River : Grey Wagtail. Dipper. Golden Plover. Carrion Crow. Curlew. Meadow Pipit. Buzzards. Wheatears. Green Woodpecker. Peewit/Lapwing. Stoat. Roe Deer. [Birds] [Mammals].

Sheet 3. Sparrows, Back-garden birds. Hares. Includes : House Sparrows. Tree Sparrows. Scandinavian Lesser Black-backed Gull. Barn Owl. Little Grebe "Dab chick", Bullfinch, Blue Tits, Wren. River Caldew. Bird tables. Scottish Hare. Brown Hare]. [Birds] [Mammals].
Sheet 4. Mountain top birds. A stern environment. Mountain "waders". a Fell nest. Birds and flowers. Duck casualties. Includes : Golden Plover. Dunlin. Meadow Pipit. Skylarks. Raven. Curlew. Pochard. Tufted Duck. Primroses. [Birds]. [Flora].
Sheet 5. Signs of change. The Gamekeeper. Wood Pigeons. The "Hunting Bill". The Little Owl. Springs ahead. An unfounded belief. Includes :Hazel catkins. Dogs Mercury. Golden Saxifrage. Bluebells (Wild hyacinths). Ring Doves. Herons. Otters. Badgers. Climate. [Flora. Birds. Mammals].
Sheet 6. Wet Woodlands. The Acorn crop. In the Ponds. Upperby Park, Carlisle. Trees Oak and Chestnut trees. **Birds** : Woodpigeons. Mallards. Pochard. Scandinavian Lesser Black-backed Gulls. Tufted Duck. Black-headed Gulls - plumage.
Sheet 7. Winter Bird Song. Early Skylarks. The flooded Marsh. (Solway. Spring Tides). **Birds** : Dipper. Mistle Thrush. Song Thrush. Corn Bunting. Blackbirds. Hedge Sparrows. Robin. Lapwing/Peewit. Oystercatchers. Redshank. Dunlin. Gulls.
Sheet 8. Dangerous Days. Sleepers Awake. Early Butterfly. Winter Bird Life. A Pennine Valley. Beck fliers. **Birds** : Hedge Sparrows. Skylark. Sandpiper. Grey Wagtail. Yellow Wagtail. Dipper. Curlew. Golden Plover. Pipits. Redshank. Dunlin. **Mammals** : Squirrels. Badgers. **Butterflies** : Small tortoiseshell.
Sheet 9. Wild Swans. Telling the Species. Redwings come again. A Regular Feature. **Locations :** Thurstonfield & Monkhill Loughs. Moorhouse Tarn. Derwentwater. **Birds** : Whooper Swans. Bewick Swans. Redwing.
Sheet 10. A day amongst the wild Geese on the Solway Marsh. [**Birds** : Wildfowl. Pink-footed Geese. Greylag Geese. Barnacle Geese]. There is also an obituary for Ned Mason.
Sheet 11. Believe it or not - there are signs of Spring. The Tit Larks. Cheerful Song. Fight-over-a- vole. [**Birds** : Meadow Pipit. Skylark. Blackbird. Thrush. Robin. Hedge-sparrow. Mistle Thrush. Black-headed Gull. Rooks].
Sheet 12. Its Blossom-time again. [Includes : **Flora** Hawthorn Hedges. Water-crowfoot. Cowslips. **Birds** : Mallards. Carrion Crows. White-throats "Nettle creepers".
Sheet 13. Peacocks. Redpoll. Death of an Otter. Moles & Hedgehogs. Fight for a garden. Whistling in the night. [Includes : Butterflies : Peacock. Small white. Birds : Redpoll nest. Mammals : Moles. Hedgehogs].
Sheet 14. Gamekeepers. Pigeon Pests. Carlisle Natural History Society - report of a talk by Ritson Graham on Bird Life during last Spring. By Beaumont Banks. [Includes **Birds** : Goldeneye.Redshanks. Curlew. Carrion Crows. A comment on reports of Storks seen at Dalston and Durdar.**Fish** : Salmon].
Sheet 15. Hill birds and Shore-birds of Cumberland. [Includes : **Birds** : Peregrine Falcon. Raven. Buzzard. Merlin. Red Grouse. Golden Plover. Dotterel. Ring-ouzel. Wheatear. Stonechat. Solway Birds : Gulls. Common Tern. Redshank. Lapwing. Oystercatcher. Ring plovers. Dunlin. Meadow Pipits. Skylark. **Flora :** Sea-thrift].
Sheet 16. Case of the Squirrel decline. Red vs. Grey. Decline explained. Waxwings. The Water Rail. Also reference to D.Losh Thorpe].
Sheet 17. Surprise visit. Uneventful time. Declining practice (Poaching). In loneliest Cumberland -The Waste of Cumberland (Bewcastle Fells). Substantial Men - Fell and Moorland Sheep Farmers.
Sheet 18. No Title. Subjects include Crop dryers and farmers. Newton Rigg. An appreciation- Ned Mason of Birkdale Farm N. Pennines.

GRAHAM, Stephen.

2012 Rugged determination. Cumbria Life. **167**. September, 62-67. [Ecology]. [Wild Ennerdale] [Features : Gareth Browning].

GRAHAM, T. H. B.

1933 English Park Cattle. Trans. Cumb. West. Ant. Arch. Soc. **33**, (n.s), 7-14. [Limited amount of information about Inglewood and Naworth]. [Mammals].

GRAHAM, W.

1886 Mortality amongst Swallows. Land and Water. **15**, May, 463. [Birds]. [Location : Eden].

1891 Curious nesting place of Whinchat. Field. **11**, June, 45. [Birds]. [Carlisle].

GRAHAM, Walter.

2001 Fishermen's Blues - Solway haafnet fisherman. Conserving Lakeland. **36**, Winter/Spring, 18. [Fish].

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1980 "Plant Record **343/7** *Salix daphnoides* Vill. V.C.70, Cumberland : Swifts, Carlisle. GR 35/40.56. R.E.Groom, 1978, **LANC**, det, R.D.Meikle." Watsonia. **13**, (2), September, 139. [Flora].

1983 "Plant Record **209** *Alb x I, spiraea alba* Duroix x *S.salicifolia* L. V.C.70, Cumberland, West of Park House, Lyne Valley. GR 35/45.72. R.E.Groom, 1982, LANC, det, A.J.Silverside. First Vice-county record." Watsonia, **14**, (4), August, 422. [Flora].

1983 "Plant Record **209/2** *Spiraea douglasii* Hook. V. C. 70, Cumberland : West of Park House, Lyne Valley, GR. 35/45.72. R.E.Groom, 1982, LANC, det, A.J.Silverside. First Vice-county record." Watsonia. **14**, (4), August, 422. [Flora].

1985 "Plant Record **68/1** *Erucastrum gallicum* (Willd.) O.E.Schulz. V.C. 70, Cumberland : River Eden, South of Kirkoswald. GR 35/55.40. Disturbed ground, R.E.Groom, 1984, **LANC**, det, G. Halliday." Watsonia. **15**, (4), July, 392. [Flora].

1985 "Plant Record **153/1** *Amaranthus retroflexus* L. V.C. 70, Cumberland : River Eden, South of Kirkoswald. GR 35/55.40. Disturbed ground. R.E.Groom, 1984, **LANC**, det. G. Halliday. New Vice-County record." Watsonia. **15**, (4), July, 394. [Flora].

1986 "Plant Record **223/2** *Poterium polygamum* Waldst & Kit. V.C. 70, Cumberland : Denton Holme, [Carlisle.] GR 35/39.50. Rough Ground, R.E.Groom, 1985, LANC." New V.C.Record. Watsonia. **16**, (2), July, 187.[Flora].

1986 "Plant Record **231/Lam.** *Amelanchier lamarckii* F.G.Schroeder. V.C. 70, Cumberland : East of Thurstonfield Lough. GR 35/32.56. R.E.Groom, 1978, **LANC**. First Vice-county Record." Watsonia. **16**, (2), July, 188. (For second record see :- Corner, R.W.M. 1986). [Flora].

1986 "Plant Record **280/1** *Smyrnium olusatrum* L. V.C. 70, Cumberland : East of Anthorn Chapel. GR 35/19.58. Open scrub by stream. R.E.Groom, 1984, **LANC**, Second record." Watsonia.

16, (2), July, 189.[Flora].

1988 "Plant Record **124/**Cor *Lychnis coronaria* (L.) Desr. V.C, Cumberland : Rockcliffe, Carlisle. GR 35/35.61. Scrub on sandstone river cliff. R.E.Groom, 1979, still present in 1987, LANC. First Vice-county record." Watsonia. **17**, (2), July, 185. [Flora].

1988 "Plant Record **154/3** *Chenopodium vulvaria* L. V.C. 70, Cumberland : Eden Bridge, Lazonby. GR 35/55.40. Landscaped picnic area. R.E.Groom, 1984, **LANC**, det, J.M.Mullin. First record this century." Watsonia. **17**, (2), July, 186. [Flora].

1988 "Plant Record **154/16** *Chenopodium glaucum* L. V.C. 70, Cumberland : Eden Bridge, Lazonby. GR 35/55.40. Landscaped picnic area. R.E.Groom, 1984, **LANC**, det, J.M.Mullin. First Vice-county record." Watsonia. **17**, (2), July, 186. [Flora].

1988 "Plant Record. No identification number. *Kochia scoparia* |(L.) Schrader. V. C, Cumberland : Eden Bridge, Lazonby. GR 35/55.40. Landscaped picnic area. R.E.Groom, 1984, **LANC**, det, J.M.Mullin. First Vice-county record." Watsonia. **17**, (2), July, 186. [Flora].

1988 "Plant Record **522/1** *Conyza canadensis* (L.) Cronq. V.C. 70, Cumberland : Denton Holme Industrial Estate, Carlisle. GR 35/39.55. Old railway sidings. R.E.Groom, 1987, **LANC**. Second record. Watsonia. **17**, (2), July, 193. [Flora].

1988 "Plant Record **536/1** *Echinops sphaerocephalus* L. V.C. 70, Cumberland : Longwath, Moorhouse. GR 35/32.56. Roadside grassland. R.E.Groom, 1986, **LANC**. New Vice-county-record". Watsonia. **17**, (2), July, 193. [Flora].

1989 "Plant Record **124/cor** *Lychnis coronaria* (L.) desr. V.C. 70, Cumberland : Rockcliffe. G.R. 35/35.61. Scrub on riverside cliff. R.E.Groom. 1979, still present in 1987. **LANC**. Watsonia. **17**, (4), August, 467. [Flora].

1989 "Plant Record **445/5 x 6** *Mentha spicata* L x *M. longifolia* (L.) Hudson. V.C. 70, Cumberland : Orton Rigg. G.R. 35/3.5. Wet roadside. R.E.Groom. 1982, **LANC**, det, R.M.Harley. New Vice-county record." Watsonia. **17**, (4), August, 476. [Flora].

1989 "Plant Record **522/1** *Conyza canadensis* (L.) Cronq. V.C. 70, Cumberland : Denton Holme, Industrial Estate. G.R. 35/39.55. Old railway sidings. R.E.Groom. 1987, LANC, 2nd record." Watsonia. **17**, (4), August, 478. [Flora].

1991 "Plant Record **320/22** *Polygonum campanulatum* Hooker f. V.C. 70, Cumberland : Knowefield Wood, Stanwix. G.R. 35/40.57. R.E.Groom. 1989, **LANC**, Second record." Watsonia. **18**, (4), August, 428. [Flora].

1991 "Plant Record **487/1** *Sambucus ebulus* L. V.C. 70, Cumberland : Grass verge and hedge bottom, Oulton. G.R. 35/24.50. R.E.Groom. 1990, **LANC**, First post-1930 record." Watsonia. **18**, (4), August, 430. [Flora].

1991 "Plant Record **491/inv** *Lonicera involucrata* Banks. V.C. 70, Cumberland : Large patch between road and shore near Cote Lighthouse, Silloth. G.R. 35/11.54. R.E.Groom. 1990, **LANC**, New Vice-county record." Watsonia. **18**, (4), August, 430. [Flora].

1991 "Plant Record **586/2** *Hemerocallis lilioasphodelus* L. V.C.70, Cumberland : Grassy roadside south of Orton Moss. G.R. 35/34.54. R.E.Groom. 1989, **LANC**, New Vice-county record." Watsonia. **18**, (4), August, 432. [Flora].

1992 "Plant Record **184/alp** *Laburnum alpinum* (Miller) Bercht & J.S.Presl. V.C. 70, Cumberland : Damp bank, East of Kershopefoot. NY/481.827. R.E.Groom, 1986, **LANC**, Conf. A.O.Chater. Second record." Watsonia. 19, (2), August, 144.[Flora].

2005 "Plant Record **75/32.26**. *Cotoneaster divaricatus*. V.C. 70, Cumberland : Old side, Siddick. NY/995302. R.E.Groom. 2003, LANC, det, J. Fryer. New Vice-county record." Watsonia. **25**, (3), February, 309. [Flora].

2005 "Plant Record **91/2.7**. *Euphorbia serrulata*. V.C. 69, Westmorland : Abundant in overgrown garden, Sedgwick. SD/513870. C.E.Wild. 2003, **LANC**, Conf, C.A.Stace. New Vice-county Record." Watsonia. **25**, (3), February, 310. [Flora].

2005 "Plant Record **135/43.4.** *Erigerion karvinskianus*. V.C. 70, Cumberland : South-facing stonework, Oxford Street, Workington. NY/ 002286. R.E.Groom. 2003, **LANC**. New Vice-county record." Watsonia. **25**, (3), February, 316. [Flora].

2005 "Plant Record **158/6.1**. *Kniphofia uvaria*. V.C. 70, Cumberland : Sandy banks, Overby, North of Aikshaw. NY 1246. R.E.Groom,2003. New Vice-county record." Watsonia. **25**, (3), February, 320. [Flora].

2006 "Plant Record **151/1.11** *Juncus subnodulosus*. V.C. Cumberland : Marshy pasture by beck, Brough

by Sands. NY 331581. R.E.Groom, 2004, **LANC**, First record since 1890's. Watsonia. **26**, (1), February, 94. [Flora].

2008 "Plant Record **29/1.2.** *Berberis thunbergii* V.C. 69, Westmorland : old quarry, Levens. SD 499870. R.E.Groom. 2006, **LANC**. This plant is rare var. *Atropurea*. New Vice-county record." Watsonia. **27**, (1), February, 74.[Flora].

2008 "Plant Record **75/29.2** *Amelanchier melanocarpa*. V.C. 70, Cumberland : scrubby grassland, Old Side, Workington. NX 994302. R.E.Groom., 2006, **LANC**. New Vice-county record." Watsonia. **27**, (1), February, 79. [Flora].

2009 "Plant Record **107/13.1**. *Pimpinella major*. V.C.70, Cumberland : roadside verge, Storms, east of Keswick. NY 290243 R.E.Groom, 2007,First record since 1939." Watsonia. **27**, (3),February, 262. [Flora].

2009 "Plant Record **29/1.4x5**. *Berberis wilsoniae x aggregata*. V.C. 70 : Cumberland : Bank of River Eden, exit from Ennerdale Lake. NY 088152. R.E,Groom, 2007, Lanc, 1st noted 2003.

2009 "Plant Record **43/3.9** *Atriplex halimus*. V.C.70, Cumberland : one bush in shelter-belt by railway sidings, Maryport. NY 030361. R.E.Groom,2007, **LANC**. New Vice-county record." Watsonia. **27**, (3), February, 264. [Flora].

2009 "Plant Record **129/1.10.** V.C. 70, Cumberland : *Campanula poscharskyana*. Shady bank by track, Bowness on Solway. NY 223625. R.E.Groom. 2007. Lanc." Watsonia. **27** (3), February, p269.

2009 "Plant Record **84/5.1** *Fuchsia magellanica*. V.C. 70, Cumberland : one bush on wall by River Caldew. Carlisle. NY 397556. R.E.Groom,2007. New Vice-county record" Watsonia. **27**, (3), February, 267. [Flora].

2009 "Plant Record **131/6.8** xetr. *Lonicera x italica* (L. *Capri folium x etrusca*). V.C. 70 : Cumberland : tip on waste ground, Aspatria. NY 141425." R.E.Groom. 2007. Lanc." Watsonia. **27** (3), February.

2009 "Plant Record **151/2**. Niv. *Luzula nivea* (L.) 70 Cumberland. Established garden outcast on rough grassland by copse east of Oldkiln, Mawbray. NY 0888447. R.E.Groom 2007. Lanc." Watsonia. **27**, (3). February, 270.

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1982 "Plant Record **342/tri** *Popucus trichocarpa* Torrey & Gray ex Hook. V.C. 70, Cumberland : by King Water, Spadeadam, Gilsland. GR 35/61.70. G.Halliday. 1981, **LANC**, det, R.D.Meikle. 2nd record." Watsonia. **14**, (2), November, 193.[Flora].

1982 "Plant Record **343/10**. *Salix calodendron* Wimm. V.C, 70,Cumberland : Millom marsh. GR 34/18.81. G. Halliday, 1981, **LANC**, det, R.D.Meikle. First Vice-county record. Watsonia. **14**, (2), November, 193.[Flora].

1982 "Plant Record **468/1** *Marrubium vulgare* L. V.C. 70, Cumberland : by Stoup Dub Farm, Haverigg, Millom. GR 35/15.78. G. Halliday, 1981, **LANC**, 1st post-1930 record." Watsonia. **14**,(2), November, 195. [Flora].

1982 "Plant Record **648/1** *Lysichiton americanus* Hulton & St. John. V.C. 69, Westmorland : Holbeckghyll, Ambleside, GR 35/38.01. G. Halliday, 1981, **LANC**. First Vice-county record. Watsonia. **14**, (2), November, 198. [Flora].

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1983 "Plant Record **160/**fra *Salicornia fragilis* P.W.Ball and Tutin. V.C. 69, Westmorland : east of Rampside, Furness. GR 34/23.65. G.Halliday, 1982, field record, det, I.K.Ferguson. 2nd record." Watsonia. **14**, (4), August, 422. [Flora].

1983 "Plant Record **211/11/139** *Rubus procerus* P.J.Muell. V.C. 69, Westmorland : Aldingham shore, Furness. GR 34/28.71. G.Halliday, 1982, **LANC**, det, A.Newton. First Vice-county record. Watsonia. **14**, (4), August, 423.[Flora].

1983 "Plant Record **268/col** *Hedera colchica* (C.Koch), Koch. V.C. 69, Westmorland : Fellfoot Road, South of Barbon, Kirkby Lonsdale, GR 34/63.81. G.Halliday, 1981, **LANC**, det, A.Rutherford." Watsonia. **14**, (4), August, 425. [Flora].

1983 "Plant Record **506/ver** *Senecio vernalis* Waldst & Kit. V.C. 69, Westmorland : Ravenstonedale by-pass. GR 35/71.04. G.Halliday, 1982, LANC." Watsonia. **14**, (4), August, 428. [Flora].

1983 "Plant Record **687/jub** *Hordeum jubatum* L. V.C. 69, Westmorland : M6 between Shap and Little Strickland. GR 35/56.18. G.Halliday, 1981, field record, 2nd record." Watsonia.**14**, (4), August, 433. [Flora].

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1984 "Plant Record **4//1 x 4** *Equisetum hyemale* L. x *E. variegatum* Schleich ex Weber & Mohr. V.C. 70, Cumberland: side of River Lyne, Dodgsontown, Roanhead, GR 35/00.75. G.Halliday. 1982, **LANC**, det, C.N.Page First Vice-county record." Watsonia. **15**, (2), August, 125. [Flora].

1984 "Plant Record **131/2** *Cerastium arvense* L. V.C. 69, Westmorland : Barrow-in-Furness. GR 34/21.68. Waste ground. G. Halliday, 1983, **LANC**. Only extant record. Watsonia. **15**, (2), August, 128. [Flora].

1984 "Plant Record **211/11/80** *Rubus pyramidalis* Kalt. V.C. 69, Westmorland : North-west of Moss House, Chapels, Furness. GR 34/22.84. G. Halliday & A. Newton, 1983, **LANC**. First Vice-county record2". Watsonia. **15**, (2), August, 130. [Flora].

1984 "Plant Record **325/1/3** *Rumex tenuifolius* (Wallr) Love. V.C. 69, Westmorland : Flodding Hill, Holmscales, New Hutton. GR 34/56.86. Rocky outcrops. G.Halliday, 1982, **LANC**, det, D.H.Kent. New Vice-county record." Watsonia. **15**, (2), August, 132-133. [Flora].

1984 "Plant Record **343/7** *Salix daphnoides* Vill. V.C. 70, Cumberland: South side of Kirk Beck, East of Bewcastle. GR 35/57.74. G. Halliday. 1981, **LANC**, det. R.D.Meikle. 2nd Record. New Vice-county record." Watsonia. **15**, (2), August, 133.[Flora].

1984 "Plant Record **437/1** *Parentucellia viscosa* (L.) Caruel. V.C. 69, Westmorland : Barrow-in-Furness Hospital at Hawcoat. GR 34/20.71. Newly seeded area. G. Halliday. 1983, field record, 2nd record." Watsonia. **15**, (2), August, 135. [Flora].

1984 "Plant Record **518/4** *Solidago graminifolia* (L.) Salisb. V.C. 69, Westmorland : Bank of River Brathay, by Old Brathay, Ambleside. GR. 35/36.03. G.Halliday. 1983, **LANC**." Watsonia. **15**, (2), August, 137. [Flora].

1984 "Plant Record **702/1** *Apera spica-venti* (L.) Beauv. V.C. 70, Cumberland : Great Salkeld. GR 35/55.36. Laneside. G.Halliday. 1983, **BM**, **LANC**. First record this century." Watsonia. **15**, (2), August, 142. [Flora].

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1985 "Plant Record **503/2** *Galinsoga ciliata* (Raf.) Blake. V.C. 69, Westmorland : Woodlands, Crooklands. GR 34/52.83. Nursery weed. G.Halliday,1984, **LANC.** Second record. Watsonia. **15**, (4), July, 401. [Flora].

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1986 Plant Record **209/2 x 1** *Spiraea doudlashii* Hook x *S. salicifolia* L. V.C. 69, Westmorland : North end of Grasmere. GR 35/33.06, Lakeside. G.Halliday, 1984, **LANC**, det A.J.Silverside. New Vice-county record. Watsonia. **16**. (2), July, 187. [Flora].

1986 Plant Record 685/3x5. *Elymus farctus* (Viv.) Rune mark ex Melderis x E. Repens (L.) Gould. V.C. 69 Westmorland : Newbiggin, GR 34/26.69 Sandy shore New VC Record. V.C.70, Cumberland. Beckfoot, Silloth, Gr 35/09.49. Sandy gravel Both records G. Halliday, 1978, Lanc, det, A. Melderis. New VC Record. Watsonia. **16** (2), July, p197.

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Moor House N.N.R. Moor House. 22nd Annual Report. 12-13. [Flora].

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1979 The biology of Tomocerus species, Collembola. M. Phil. Thesis. Liverpool Polytechnic. [Samples collected from Meathop Wood].

HATTON-ELLIS, T.W.

2003 Joint Author : Grieve, H. Ecology of water-courses characterised by *Ranunculion fluitantis* and *Caltitricho* & *Butrachion* vegetation. Conserving Natura. 2000 Rivers. Ecology Series. No **11**. 1 85716 723 6. [Includes Rivers Eden & Kent]. [Flora].

HAVILAND, M. D.

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HAVILL, D. C.

1974 Joint Authors : Lee, J.A. & Stewart, G.R. Nitrate utilisation by species from acid and calcareous soils. New Phytol. 73, 1221-1231. [Sites include Hutton Roof and Moor House National Nature Reserve].

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1993 "Plant Record **62/30.5** *Lepidium ruderale*. V.C. 70, Cumberland : Gullery South end of Rockcliffe Marsh. NY/310.626. D. Hawker. 1992, **LANC**." Watsonia. **19**, (4), August, 283. [See also Burton, P. (1993)]. [Flora].

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1998 A survey of saltmarsh in Morecambe Bay European marine site. Report for English Nature. Contract JB71. [Ecology] [Coast & Estuaries].

HAWKES, David.

n.d. Smithybeck Forest Trail : Guide. Forestry Commission, Ennerdale Forest. [Wildlife and Natural History]. [Forestry].

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1957 Trypanosomes of English freshwater fish. R. Soc. Trop. Med. Hyg. Trans. **51**, (4), 375-376. [Location : Windermere]. [Parasites]. [Lakes & Streams].

HAWKINS, C. N.

1931 *Herse convolvuli* L. in 1930 ; and other notes. Entomologist. **64**, (818), July, 161-163. [Taken at Cark-in Cartmel]. [Insects].

HAWORTH, Christopher C.

1971 Hodgson's Flora of Cumbria. Annual Transactions, West Cumberland Field Society. **1**, 4-5.

1971 Plant Records,1970. Annual Transactions, West Cumberland Field Society. **1**, 3-4. [Flora].

1974 Sub-editor. Plant Records Natural History in Cumbria. : 1973. 24-31. Assn. Cumbria. Nat. Hist. Soc : An introduction to the proposed layout for future record submissions, plus : **Ambleside Field Society** : Early Forget-me-not. Evening Primrose. Leopard's Bane. Solomon's Seal. **Arnside & District Natural History Society** : Angular Solomon's Seal. Bitter Vetch. Bur Marigold. Burnet Sage. Celery Leaved Cranes-bill. Daphne mezereon. Evening Primrose. Field Garlic. Foetid Hellebore. Giant Bellflower. Goldilocks. Green Hellebore. Lamb's Lettuce. Moschatel. Mares Tail. Mountain Everlasting. Nettle Leaved Bell-flower. Orchids Autumn Lady's Tresses. Bee. Fly. Fragrant. Greater. Lesser Butterfly. Rigid Buckler Fern. Round-leaved Cranesbill. Sand Leek. Skullcap (Greater and Lesser). Snowdrops. Spiked Speedwell. Sticky Groundsel. Stone Bramble. Stork's Bill Geranium. Three-veined Sandwort. Toothwort. White Star-of Bethlehem. Yellow Toadflax. (Also Fungi : Fairy Ring Champignon - *Marasucius Oreaoles*). **Extensions of range of** :- Grass (*Catapodium marinum* and *Elymus arenarius*). Japanese Knotweed. New Zealand Willow Herb. Oxford Ragwort. *Ranunculus penicillatus* (A Water Crowfoot). Rush : *Juncus tenuis*. Sedges : *Carex lasiocarpus* and *C. laevigata*. Smooth Cat's Ear. Plant records for Eskmeals and Calderbridge]. **Fungi**. *Formes formentarius* : Horse hoof Fungus. Discovered by Mr and Mrs W.F.Davidson. At Armathwaite. **Maryport.** Sites near Maryport and Ireby Old Church for full list see M.M.Milne (1974).**West Cumberland Field Society records** : Broad-leaved Ragwort. Common Gentian. Common Maple. Common Melilot.

Common Rockrose. Common Yellow Water Lily. Haresfoot Trefoil. Ivy-leaved Speedwell. Leopard's Bane. Money Wort. Mountain Pansy. Purple Loosestrife. Purple Saxifrage. Round-Leaved Water Crowfoot. Soapwort. Sweet Gale, Bog Myrtle. Toothwort. Travellers Joy. Viper's Burgloss. White-flowered Melilot. White-flowering Butter Bur. White or Granular-

rooted Saxifrage. White Water Lily. Wild Balsam, or Touch-Me-Not. Wild Migonette or Base Rocket. Wild Rosemary. [Flora].

1974 Sub-Editor. A New Fungus Record. [*Formes formentarius*]. Natural History in Cumbria : 1973. 31. Assn. Cumbria. Nat. Hist. Soc. [Fungi].

1975 Sub-Editor. Plant Report ,1974. Natural History in Cumbria : 1974. 24-31. Assn. Cumbria. Nat. Hist. Soc. [**Ambleside Field Society** : *Cardamine raphanifolia*. Fairy Foxglove. Monkeyflower. Musk Mallow. New Zealand Willowherb. Pale Toadflax. *Rubus spectabilis*. Snowdrop. **Arnside Natural History Society** : Angular Solomon's Seal. Bog Pimpernell. Caper Spurge. Crow Garlic nil report. Daphne Mezereum. Giant Bell Flower. Lesser Butterfly Orchid. Martagon Lily.

Saw-wort. Spring Cinquefoil. Stone Bramble. Wild Service Tree. Yellow Star-of-Bethlehem. [**Eden Field Club** : **Crosby Gill** : Alpine Bistort. Common Butterwort. Common. Milkwort. Marsh Arrowgrass. Yellow Saxifrage. **Little Fell** : Alpine Forget-me-not. Alpine Lady's Mantle. Bearberry. Cowberry. Common Cow-wheat. Fir Club-moss. Oak Fern. **Some individual records**

from the club : Alder Buckthorn. Alpine Bartsia. Caraway. Dwarf Milkwort. Giant Hogweed. Holly Fern. Indian Balsam. Melilot (Tall and White). Northern Fragrant Orchid. Perennial Flax. Yellow Star-of-Bethlehem. **Grange Natural History Society** : Bird's-foot Sedge. Broad-leaved Meadow-grass. Flat Headed Sedge. Green-winged Orchid. Greyish Club-rush. Hedgerow Crane's-bill. Hemlock. Hoary Rockrose. Knawel. Martagon Lily. Primula hybrid - *veris x vulgaris*. *Rubus laciniatus*. Wood Fescue. **Keswick Natural History Society** : **Brigsteer Woods** : Herb Paris. Lily-of-the-Valley. Toothwort. Visits to **Catlands Quarry** : Fragrant Orchid. Frog Orchid. Lesser Marshwort. Thread-leaved Water Crowfoot. Water Purslane. **Hutton Roof Crag** : Fly Orchid. Horseshoe Vetch. Limestone Fern. Rigid Buckler-fern. Spring Cinquefoil. Spring Sandwort. **Sandscale and Roanhead** : Blue Fleabane. Broad-leaved Helleborine. Coral Root Orchid. Dune Helleborine. Early Marsh Orchid. Fragrant Agrimony. Northern Downy Rose. Round-leaved Wintergreen. Yellow Bird's-nest. Negative sightings included : Clary. Tassel Hyacinth. Yellow Vetch. **Maryport Nature Group** : Bitter Vetch. Common Rockrose. Evergreen Alkanet. Large Bittercress. Orpine. Purple Toadflax. Soapwort. Star-of-Bethlehem. Traveller's Joy. Yellow Loosestrife. **Proposed Flora of Cumbria and Progress Report**. Some new information. **Whitehaven Natural History Society** : Pyramidal Orchid. Royal Fern. Winter Heliotrope. **Reverend Vine Hall** : *Asplenium viride*. Bog Rosemary. Common Wintergreen. Needle Furze. [Flora].

1976 Flora of Cumbria - Progress Report. Natural History in Cumbria : 1975-76. 37-38. Assn. Cumbria. Nat. Hist. Soc. Records include: Bird's-eye Primrose. Black Bryony. Bog Myrtle. Cabbage Thistle. Dyer's Greenweed. Fescue Grass (*Festulolium loliaceum*)Goldilocks. Good-King-Henry. Great Sundew. Hoary Plantain. Japanese Knotweed. Lesser Bladderwort. Narrow-leaved Everlasting-pea. Pale St. John's-wort. Slender Rush. Tower Mustard. Tuberous Comfrey. White Beak-sedge.

Society Records pp 38- 45. Alston Mine workings : Fragrant Orchid. Globe Flower. Melancholy Thistle. Moonwort. Mountain Pansy. Northern Marsh-orchid. Variegated Horsetail.
Arnside and District N.H.S. Autumn Lady's tresses. Bird Cherry. Black Bog-rush. Blunt-flowered Rush. Brittle Bladder-fern. Dark Mullein. Heath Groundsel. Lesser Butterfly Orchid. Martagon Lily. Moonwort. Perennial Wall-rocket. Pink Purslane. Small Nettle. Thorn Apple. Thorow-wax. Turkey Oak. Twiggy Mullein. Water Avens. Wood Barley Grass. Wood Millet.
Barrow Naturalists Field Club : Autumn Lady's-tresses. Bee Orchid. Deadly Nightshade. Caper Spurge. Dropwort. Frog Orchid. Greater Spearwort. Horse-shoe Vetch. Spiked Water-milfoil. Squinancywort. Traveller's Joy. Vervain. White Beam.
Eden Field Club. Bird's-eye Primrose. Common Gromwell. False Oxlip hybrid (*Primula veris x vulgaris*). Fly Orchid. Giant Hogweed. Hairy Rock-cress. Mares's-tail. Mountain Pansy. Rue-leaved Saxifrage. Spring Cinquefoil.
Cumbria Naturalist's Trust Sites. Carline Thistle. Celery-leaved Buttercup. Common Twayblade. Common Restharrow. Flowering Rush. Great Mullien. Royal Fern. Sea Kale.
Grange N.H.S. Annual Knawel. Buckwheat. Common Bird's-foot. Field Maple. French Sorrel. Red-berried Elder. Reed Sweet-grass. Spring Cinquefoil. Thread-leaved Water-crowfoot. Tuberous Comfrey. (**Visit to Alston** : Alpine Pennycress. Alpine Scurvygrass. Cloudberry.

Jacob's Ladder. Northern Dock).
Kendal N.H.S. Meadow Saxifrage. Stinking Hellebore. Toothwort. Yellow Star-of-Bethlehem.
Keswick By-pass. *Abutilon theophrasti* Meolie. *Ambrosia artemisiifolia* L. *Datura stramonium*. *Hibiscus trionum* L. *Ipomoea hederacea* Jacq. Thorn Apple.
Keswick N.H.S. Large-flowered Hemp-nettle. Narrow-leaved Bitter-cress. (Visit to Alston District : Fragrant Orchid. Globe Flower. Melancholy Thistle. Moonwort. Mountain Pansy. Northern Marsh-orchid. *Solanum rostratum*. Spring Sandwort. Variegated Horsetail].
Maryport Nature Club. Dame's Violet. Duke of Argyll's Tea-plant. Mulberry Tree. Saw-wort. Spring Vetch. White Butterbur. Winter Heliotrope.
Overby Sand Quarry. Bird's Foot. Bugloss. Heath Groundsel. Small Cudweed. Wild Mignonette. Wild Turnip.
Penrith and District N.H.S. Bird's-eye Primrose. Cowberry. Hairy Violet. Rough Horsetail. Spring Cinquefoil.
Sandscale & Roanhead. Dune Early Marsh Orchid. Gipsywort. Lesser Water-parsnip. Northern Marsh-orchid. Spindle. Tassel Hyacinth. Townsend's Cord-grass.
Stainton Quarry near Barrow. Adder's Tongue. Corn Marigold. Dyer's Greenweed. Yellow Corydalis.
Whitehaven N.H.S. Lesser Twayblade. Purple Rampling-fumitory. Yellow Archangel.
Notes from Individuals pp 42. **Dr G. Halliday**. Leafy Spurge. Rough Horsetail. Mrs C. Hubbard : Ivy-leaved Crowfoot. Large Bitter-cress. Round-leaved Crowfoot. **Rev J.H.Vine Hall** : Bird's-foot Sedge. Bog Orchid. Common Wintergreen. Great Sundew. Hoary Whitlow Grass. Lady's Mantle. Lesser Meadow-rue. Marsh Arrowgrass. Oyster Plant. Sea Kale.

1976 Sub-Editor. Fungi Records,1975. Natural History in Cumbria : 1975-76. 43. Assn. Cumbria Nat. Hist. Soc. [*Russula aquosa*. *Amyloporia xantha*. *Agaricus cupreobrunneus*].

1976 Sub-Editor. Plant Report,1975. Natural History in Cumbria : 1975-76. 36-45. Assn. Cumbria. Nat. Hist. Soc. [Flora].

1976 Sub-Editor. Some Moss Records, 1975. Natural History in Cumbria,1975-76. 43. Assn Cumbria Natural History Societies. [*Entodon concinnum*. *Oedipodium griffithianum*. *Tetraplodon mnioides*. *Splachnum sphaericum*]. [Bryophytes]. [Flora].

1977 Flora of Cumbria Project. Birds in Cumbria : 1976-77. 48-49. Assn. Nat. Hist. Soc in Cumbria.

1977 Sub-Editor. Plant Report,1976. Birds in Cumbria : 1976-1977. 46-49. Assn. Nat. Hist. Soc. in Cumbria. **Arnside and District Natural History Society** : Fungi : *Clavicorona taxophila*- a first British record. Wild Service Tree. **Davidson, W. F**. Reports an as yet unidentified mould growing on Honey Fungus (*Armillaria mellea*). in Gelt Woods, Brampton. **Eskmeals Gun Range** : *Anchusa azurea*.
Coral Root Orchid (*Corallorhiza trifida*). Round-leaved Wintergreen (*Pyrola rotundifolia*). Tassel Hyacinth (*Muscari comosum*). Tree Lupin (*Lupinus arboreus*). Tree Mallow. (*Lavatera arborea*).
Flora of Cumbria : Fennel. Indian Balsam. Ivy-leaved Bellflower. Knotted Hedge-parsley. Marsh Gentian. Northern Spike-rush. Polygonums (P.cuspidatum). Pyramidal Orchid. Water Lobelia. Water Sedge. Whorl-grass. There is also a list of 44 extinct Plants of Cumbria. **Grange-over- Sands Natural History Society**. Knotted Hedge-Parsley. Lesser Broomrape. Soft Clover. **Seascale** : Sea Pea. **West Cumberland Botanists' Group** : Lesser Bulrush. Mare's Tail. Tufted Hair-grass. [Flora].

1978 Sub-Editor. Plant Report,1977. Birds in Cumbria : 1977-1978. 38-43. Assn. Nat. Hist. Soc. in Cumbria. [**Arnside and District Natural History Society**. **Information supplied by Mrs M. Baecker** : Beaked Hawk's-beard. Dwarf Spurge. Orach (*Atriplex longipipes*). Rough Hawk's-beard. Sea fern-grass. Sedge (Carex strigosa).Wild Asparagus. **Barrow Naturalists Field Club and Photographic Society**. **Information supplied by Mrs B. Fisher** : Autumn Ladies Tresses. Common Broomrape. Dittander. Haresfoot Clover. Horseradish. Japanese Polygonums. Pearl Everlasting. Purple Toadflax. Soapwort. White Melilot. Yellow Melilot. **C.N.T. Reserves**. Information supplied by Miss K. Atkinson. (No specific entries, except some information by Mr Allison from Foulney Island concerning Sea Kale. **Eden Field Club**. Information supplied by Mrs D. Hinchcliffe. Broad-leaved Ragwort. Common Wintergreen. Herb-Paris. Rough Hawk's -beard. Star-of Bethlehem. Thorn Apple. Yellow Star of Bethlehem. **Flora of Cumbria Project** : Autumnal Water-starwort. Black Horehound. Blunt-fruited water-starwort. Common

Cord-grass. Corn Buttercup. *Elodea nuttalli*. Lady's Mantle. *Linaria repens x vulgaris* (hybrid). Piggot, Pillwort. Six-stamened Waterwort. Slender trefoil. Sweet-flag. Ternate- leaved Cinquefoil. Umbellate Hawkweed. Whorl-grass. **Miscellaneous Records**. Beaked Tasselweed. Black Horehound. Sea Pea (disappearance). Sea Plantain. Sea Radish. Shrubby Cinquefoil. Slender Thistle. [Flora].

1978 Author : Vine Hall, J.H. A note on *Erebia epiphron* Knoch. (Mountain Ringlet). Ent. Rec. **99**, (12), December, 333-334. [Reference to Chris Howarth]. [Lepidoptera] [Insects].

1979 "Plant Record **69/3**. *Rhynchosinapis cheiranthos* (Vill.) Dandy. V.C. 70, Cumberland : Workington. GR 25/99.29. C.C.Haworth. 1978. **LANC**. New Vice-county record." Watsonia. **12**, (4), August, 349. [Flora].

1979 "Plant Record **168/3** *Geranium endressii* Gay. V.C. 70, Cumberland : Whitehaven, Egremont Road. GR 25/98.15. C.C.Haworth. 1978, herb, C.C.H. 2nd Record." Watsonia. **12**, (4), August, 351. [Flora].

1979 "Plant Record **207/G** *Lathyrus grandiflorus* Sibth & Sm. V.C. 70, Cumberland : near Whitehaven. GR 25/99.12. C.C.Haworth. 1978. LANC." Watsonia. **12**, (4), August, 351. [Flora]. [Flora].

1979 "Plant Record **320/58** *Polygonum baldschuanicum* Regel. V.C. Cumberland : near St Bees. GR 25/96.12. C.C.Haworth, 1978, field record. New Vice-county record." Watsonia. **12**, (4), August, 354. [Flora].

1979 "Plant Record **370/5** *Lysimachia punctata* L. V.C. 70, Cumberland : by River Ehen, between Ennerdale Bridge and Cleator Moor. GR 35/04.15. Also S.E of Whitehaven, on Egremont Road, G.R. 25/98.15. First and Second Record, both by C.C.Haworth. New Vice-county record. Field record." Watsonia. **12**, (4), August, 355.[Flora].

1979 "Plant Record **506/2 x 1**. *Senecio aquaticus* Hill x *S. jacobaed* L. V.C. 70, Cumberland : Ennerdale Bridge. GR 35/06.16. C.C.Haworth. 1978. **herb,** C.C.H. New county record. " Watsonia **12**, (4), August, 357. [Flora].

1979 "Plant Record **558/1** sev. *Hieracium severiceps* Wiinst. V.C. 70, Cumberland : Cleator Moor. GR 35/01.16. C.C.Haworth. 1978. **herb**, C.C.H. First V.C. Record. det. P.D. Sell." Watsonia. **12**, (4), August, 358. [Flora].

1979 "Plant Record **605/ f.** *Juncus foliosus* Desf. Vice-county 70, Cumberland : St Bees. GR 25/97,09. C.C.Haworth. 1978. **LANC**. 2nd record." Watsonia. **12**, (4), August, 360.[Flora].

1979 Sub-Editor. Flora of Cumbria Project : 1978. Birds in Cumbria : 1978. 45, 49-50. Assn Nat. Hist. Soc. in Cumbria. [Flora].

1979 Sub-Editor. Plant Report : 1978. Birds in Cumbria : 1978. 44-50. Assn. Nat. Hist. Soc. in Cumbria. [**Arnside Natural History Society**. Information supplied by **Mrs M. Baecker :** Bearded Hawk's-beard. Common Cordgrass. Field Penny-cress. Giant Hogweed. Many-seeded Goosefoot. Narrow-leaved Pepperwort. Sedge : Thin-spiked Wood-sedge. Water Chickweed. Yellow-juiced Poppy. **Barrow Naturalist's Field Society**. Information supplied by **Mrs B. Fisher** : Alder Buckthorn. Broad-leaved Helleborine. Evening Primrose. French Sorrel. Giant Knotweed. Royal Fern. Sea Radish. Slender Speedwell. Small Melilot. Wild Basil. **C.N.T.R**.. Information supplied by Martin Allison . **Barkbooth** : Carline Thistle. **Eskmeals Dune Reserve** : Columbine. **Foulney**. Common Cord-grass. Meadow Saxifrage. Sea Beet. Sea Radish. **Eden Field Club**. Information supplied by Mr D. Hinchcliffe : Basil Thyme. Broad-leaved Ragwort. Bullace. Danewort. Hybrid Northern Marsh-Orchid and Spotted Orchid (*Dactylorhiza fuchsii x D. purpurella*).White and Red Campion. Yellow Star-of-Bethlehem. **Flora of Cumbria Project** : **New County Records** :- Bristly Hawk's-beard. Dotted Loosestrife. Fat Duckweed. Glasswort. Hawkweed. Hybrid Ragwort. Kidney Saxifrage. Pick-a-back-plant. Pondweed Hybrid (*Potamogeton x P. crispus*). Russian Vine. Shaggy Soldier. *Tellima grandiflora*. Umbellate Hawkweed. Wallflower Cabbage. Warty Cabbage. Yellow Water-lily Hybrid (*Nuphar lutea* x *N. pumila*). **Only Cumbrian Extant Records** :- Blunt-flowered Rush. Elecampe. Fen Pondweed. Medium-flowered Winter-cress. Pink Water-speedwell. Red Goosefoot. **Grange Natural History Society** : Information supplied by Mr F. Woodman : Bristly Hawk's-beard. Elecampane. Grey Club-rush. Monk's-hood. Purple Toadflax. Shaggy Soldier. Slender trefoil. Twiggy Mullien. **Kendal Natural History Society** : Blue Fleabane. Dyer's Greenweed. Wall Pennywort. **Maryport Nature Group**. **Information supplied by Miss Mary Milne** : Dame's-violet. Greater Knapweed. Hairy Tare. Martagon Lily. Purple Loosestrife. Saw-wort. Yellow Loosestrife. [Flora].

1980 Author : Conolly, A. *Polygonum weyrichii* F. Schmidt, an alien new to Britain. Watsonia. **13**, (2), September, 165. [Discovered by C. Haworth in 1978, Wastwater, Cumbria]. [Flora].

1980 "Plant Record **320/wey** *Polygonum weyrichii* Fr. Schm. ex. Maxim. V.C.70, Cumberland : Wastwater. GR 35/14.04. C.C.Haworth. 1978, field record. 1979. **LANC**, det, A.P.Conolly. First Vice-county record." Watsonia. **13**, (2), September, 138.[Flora].

1980 "Plant Record **454/1** *Melissa officinalis* L. V.C. 70 Cumberland : Mirehouse, Whitehaven. GR 25/99.15. Disturbed ground by wood edge. C.C.Haworth. 1979, LANC, det, G.Halliday." Watsonia. **13**, (2), September, 140. [Flora].

1980 "Plant Record **663/48** *Carex aquatilis*. Wahlenb. V.C. 70, Cumberland : by River Irthing, near Churnsike Lodge. GR **35/66.76**. C.C.Haworth and F.J.Roberts. 1976, field record, 1978, **LANC**, det, A.O.Chater." Watsonia. **13**, (2), September, 147. [Flora].

1980 "Plant Record **663/57** x 71. *Carex otrubae* Podp x *C. remota* L. V.C. 70, Cumberland : St Bee's, Whitehaven. GR 25/95.11. C.C.Haworth. 1979, herb, C.C.H. det, A.O.Chater." Watsonia. **13**, (2), September, 147. [Flora].

1980 Sub-Editor. Plant Report, 1979. Birds in Cumbria : 1979 (published 1980). 44-51. Assn. Nat. Hist. Soc. in Cumbria. [**Arnside Natural History Society**. Information supplied by **Mrs M. Baeker**. (Plants lost : Treacle mustard and Narrow-leaved pepperwort.) Following plants identified : *Fritillaria meleagris*. French cut-leaved Crane's -bill, also a hybrid with *Geranium versicolor*. Hornwort. Keeled garlic. Rare Spring-sedge. Saltmarsh grass (Puccinellia distans). Spiked water-milfoil. Whorled clary. Yellow oxalis. **Barrow Naturalist's Field Club and Photographic Society**. Information supplied by Mrs B. Fisher : Canary grass. Circular-leaved water crowfoot. Common pepperwort. Darnel fescue. Hoary pepperwort. Sickle medick. Tree lupin. C.N.T.R. : **Eskmeals Dunes** : Bee Orchid. Early marsh Orchid. Tree mallow. **Grubbins Wood** : Narrow buckler-fern. Star of Bethlehem. Also the loss of Spring cinquefoil.. **Lancelot Clark Storth** : Fern (*Polypodium australe*). **Eden Field Club** : Information supplied by **Mr E. Hinchcliffe** : Alpine bistort. Danewort. Green spleenwort. Monkshood. Mossy saxifrage. Northern bedstraw. Orpine. Star-of-Bethlehem. **Flora of Cumbria Project : Plants new to Cumbria** : Balm (*Melissa officinalis*). *Brassica juncea*. Fowtail barley. Hoary mustard. Hungarian brome. Knotted crane's-bill. Large thyme. Lesser chickweed. *Pathenocissus quinquefolia* . *Polygonum weyrichii* . Polypody hybrid (*Polypodium interjectum* x *P. vulgare*). Red pondweed. *Rosa multiflora* . *Salix daphnoides*. Sedge hybrid (*Carex otrubae* x *C. remota*). *Spiraea douglassii*. Tor-grass. Tree Lupin. Wall cotoneaster. Water sedge. **Plants re-found and known from only one locality in Cumbria** : Fine-leaved water dropwort. Fly honeysuckle. Lesser chickweed. Sedge hybrid (*Carex paniculata* x *C. remota*). **Grange Natural History Society**. Information supplied by Mrs Gunning and Mrs Woodman : Basil thyme. Creeping yellow-cress. Field penny-cress. Marsh helleborine. Parsley. St. John's wort. Wallflower. Yellow bird's-nest. **Kendal Natural History Society** : Information Supplied by **D. Edminson, A.F.Gould** and **Mr** and **Mrs Hutcheson**. Bee Orchid. Bog pimpernel. Goldilocks. Herb paris Marsh arrow-grass. Rue-leaved saxifrage. Shining crane's-bill. Solomons seal. St John's wort. Sundew. Toothwort. Touch-me-not-balsam. **Keswick Natural History Society** : Information supplied by **Mrs M. Godfrey** Alpine catchfly. Lesser butter-fly Orchid. **Miscellaneous Records** : Butterbur (*Petasites hybridus*). Cloudberry. Corn buttercup. Earth-star fungus. Fungus (*Cantharellus cibarius*). Green hellebore. Old man's beard. Rose (*Rosa* multiflora). White harebell. Yellow archangel. Yellow star-of- Bethlehem. **West Cumberland** : Hay scented Buckler fern. Shrubby cinquefoil. Tunbridge filmy-fern]. [Flora].

1981 "Plant Record **423/2** *Cymbalaria pallida* (Ten.), Wettst. V.C. 70, Cumberland : Sandwith. GR 25/99.15. Loweswater. GR 35/11.22. Both growing on walls. C.C.Haworth, 1979, **herb**, C.C.H. 1st and 2nd record. First Vice-county records." Watsonia. **13**, (4), August, 337. [Flora].

1981 "Plant Record **605/9 x 8** *Juncus effusus* L. x *J. inflexus* L. V.C. 70, Cumberland : Lillyhall. GR 35/00.24. C.C.Haworth, 1980, **herb**, C.C.H, det, C.A.Stace." Watsonia. **13**, (4), August, 340. [Flora].

1981 "Plant Record **605/amb** *Juncus ambigous* Goss. V.C. 70, Cumberland : North side of River Esk, Muncaster. GR 35/11.96. Saltmarsh. C.C.Haworth. 1979, C.C.H, **herb**, C.C.H. det, C.A.Stace." Watsonia. **13**, (4), August, 340. [Flora].

1981 "Plant Record **687/jub** *Hordeum jubatum* L. V.C. 70 : Cumberland : Silloth. GR 25/99.30. C.C. Haworth & Mitchell, A.1980, field record, 2nd of several records." Watsonia. **13**, (4), August, 344. [Flora].

1981 Sub-Editor. Plant Report,1980. Birds in Cumbria : Spring 1981. 41-48. Assn. Nat. Hist. Soc. in Cumbria. [**Arnside Natural History Society**. Information supplied by **Mrs M. Baeker** : Cypress spurge. Fern hybrid (*Polypodium australe* x *P. vulgare*). Flat-sedge (*Blysmus rufus*). Grass - Hard Grass (*Parapholis strigosa*). Horsetail (Variegated). Lesser swine-cress. Pearly everlasting. Sea wormwood. Slender thistle. **Barrow Naturalists' Field Club and Photographic Club**. Information supplied by Mrs Beryl Fisher : Hoary Cress. Martagon lily. Tasselled hyacinth. Yellow wort. **CNTR** : **Eskmeals** : Pyramidal Orchid. **Flora of Cumbria Report** : **Plants new to Cumbria** : *Chrysanthemum maximum. Cotoneaster simonsii.* Creeping Ladys Tresses. *Cymbalaria pallida*. Hybrid St. John's wort (*Hypericum maculatum* subspecies *obtusiusculum* x *H. perforatum*). Rush (Hybrid : *Juncus acutiflorus* x *J. articulatus* and *Juncus effusus* x J.inflexus). Toad Rush. **Plants refound and known from only one locality in Cumbria** : Caraway. Hairy buttercup. Yellow Archabgel. Yellow wort. **Foulney** : Sea kale. Yellow horned-poppy. **Grubbins Wood** : Biting stonecrop. Bittercress (Hairy, *Cardamine hirsuta* and Wavy, *C. flexuosa*). Yellow Flag. **Ivy Crag Reserve** : Tutsan. **Smardale** : Birds nest Orchid. Brittle bladder fern. Fly Orchid. Horseshoe vetch. South Walney Reserve : Smooth cat's ear. **Eden Field Club** : Alpine forget-me-not. Blue sowthistle. Broad-leaved ragwort. Danewort. Perennial cornflower. White butterbur Wood bitter-vetch. **Grange Natural History Society**. Information supplied by **Mrs Woodman**. Allseed. Alternate- leaved golden-saxifrage. Butterbur. Meadow saxifrage. Ragwort hybrid (*Senecio aquaticus* x *S.* jacobaea). Sedge : Fingered Sedge. (*Carex digitata*). and Hybrid sedge : (*Carex hostiana* x *C. lepidocarpa*). Solomon's seal. Swine-cross. Yellow bartsia. Yellow birds-nest. Yellow Star of Bethlehem. **Miscellaneous** : Lichens : *Alectoria nigricans*. *Cladonia rangiferina*. *Peltigera leucophebia*. Wild daffodil (*Narcissus pseudonarcissus*). **West Cumberland** : Hairy buttercup. Pyramidal Orchid. Rock samphire. Rock sea-lavender. Umbellate hawk-weed]. [Flora].

1982 Continuing the saga of the grit piles. Birds in Cumbria : 1982. p68. Assn. Nat. Hist Soc in Cumbria. [Alien flora : Mugwort (*Artemisia vulgaris*). *Cakile maritime*. *Atriplex hastate*. *Hesperis matronalis*. Oenothera. *Meliltus officinalis*. *Melilus alba*. *Malva moschata*].

1982 "Plant Record **72/1** *Diplotaxis muralis* (L.) D.C. V.C. 70, Cumberland : Workington, by River Derwent. GR 35/00.29. C.C.Haworth. 1981, **herb**, C.C.Haworth. 2nd record, 1st post-1930 record. Watsonia. **14**, (2), November, 188. [Flora].

1982 "Plant Record **526/3** *Anthemis arrensus* L. V.C. 70, Cumberland : Aldoth near Aspatria. GR 35/14. 48. C.C.Haworth, 1981, **herb**, C.C.Haworth. 1st post-1930 record." Watsonia. **14**, (2), November, 196. [Flora].

1982 "Plant Record **663/ 8 x 4** *Carex demissa* Hornem x C. hostiana DC. V.C. 70, Cumberland : Santon Bridge. GR 35/11.01. A.A.Dudman & C.C.Haworth, 1981, **herb**, C.C.H. First Vice-county record. Watsonia. **14**, (2), November, 198.[Flora].

1982 "Plant Record **683/12 tho**. *Bromus hordeaceus* L. subsp. Thominii (Hard) Maire. V.C. 70, Cumberland : Haverigg, Millom. GR 34/15.78. Sand dunes. C.C.Haworth, 1981, **herb**, C.C.H. det, P.M.Smith." Watsonia. **14**, (2), November, 199. [Flora].

1982 "Plant Record **683/14** *Bromus racemosus* L.V.C. 70, Cumberland : Greentrees, near Cockermouth. GR 35/12.27. C.C.Haworth, 1981, **herb**, C.C.H., det. P.M.Smith. Only extant record." Watsonia. **14**, (2), November, 199. [Flora].

1982 Sub-Editor. Plant Report,1981. Birds in Cumbria : Spring, 1982. 45-48. Assn. Nat. Hist. Soc. in Cumbria. [**Arnside Natural History Society**. Information supplied by **Mrs M. Baeker** : Bird's Nest Orchid. Corn spurrey. Fumitory (*Fumaria capreolata*). Mint (*Mentha spicata*). New Zealand willow herb. Opium poppy. Sea radish. Scotch thistle. Wall rocket. **Eden Field Club** : Alpine forget-me-not. Barberry. Campion (Red and White and hybrids). Columbine (*Aquilegia vulgaris*). Corn Marigold. Evening primrose (Hybrid *Oenothera biennis* x *O. erythrosepala*). Lily of the Valley. Solomon's seal. **CTNC Reserves** : **Barkbooth** : Grass of Parnassus. **Grubbins Wood** : Visit by British Pteridological Society : Hartstongue fern (var 'cornutum'). **Smardale** : Grass (*Melica nutans*). Orchids (Early Purple. Frog. Fly. Fragrant. Butterfly). Rusty-back Fern. **Flora of Cumbria Project** : Blue-eyed Mary. Corn chamomile. Evening primrose.

Great brome. Hawkweed (*Heiracium hjeltii*). *Kalmia angustifolia*. Ladies mantle. Lesser Soft-brome. Lysichiton americanus. Mint : (Mentha arvensis x M. spicata). *Rubus laciniatus*. *R. tuberculatus*. Sedge (Hybrid *Carex demissa* x *C. hostiana*). Slender Soft-brome. Smooth-brome. Wall Rocket. White horehound. Willow (*Salix calodendron*)]. [Flora].

1983 "Plant Record **72/1**. *Diplotaxis muralis* (L.) DC. V.C. 70, Cumberland : Workington, by River Derwent, GR 35/00.29. Disturbed ground. C.C.Haworth, 1981, **herb**, C.C.H. 2nd and only extant record." Watsonia. **14**, (4), August, 420. [Flora].

1983 "Plant Record 211/11/27. *Rubus tuberculatus* Bab. 70, Cumberland : Hensingham, Whitehaven, GR 25/99.17. C. Brotherton, 1982. Herb C.C.Haworth, det. A. Newton. New V.C.Record. Watsonia. **14** (4), August, p423.

1983 "Plant Record **708/1** *Alopecurus myosuroides* Huds. V.C. 70, Cumberland : between Ravenglass and Eskdale green. GR 34/11.99 A. Dudman & C.C.Haworth, 1982, **LANC**, herb, C.C.H. Only extant record. Watsonia. **14**, (4), August, pp 433/434. [Flora].

1983 "Plant Record **325/1/3** *Rumex tenuifolius* (Wallr) Love. V.C. 70, Cumberland : Drigg, Ravenglass. GR 34/07.95. Dunes. C.C.Haworth, 1982, **herb**, C.C.H. [Also] between Mungrisedale and Hutton Roof, GR 35/36.32. I. Mortemore, 1982, **LANC**, Conf. D.H.Kent, First and Second Record. New Vice-county record." Watsonia. **14**, (4), August, 425. [Flora].

1983 Sub-Editor. Plant Report,1982 Birds in Cumbria : Spring, 1983. 52-55. Assn. Nat. Hist. Soc in Cumbria. [**Barrow Naturalists' Field Club and Photographic Society**. Information supplied by **Mrs B. Fisher** : Balm (*Melissa officinalis*). Common broomrape. Coralroot. Cypress spurge. Dark-red Helleborine. Orchid - (*Gymnadenia conopsea*). Rush : *Butomus umbellatus*). Squinancywort. Yellow wort. **CTNC Reserves** : **Drumburgh Moss** : Adder's tongue fern. Twayblades. **Grubbins Wood, Arnside** : (Several unspecified orchids etc). **Smardale** : Sedge (*Carex ornithopoda*). Visit by British Bryological Society recorded two species new to Westmorland :- *Haplomitrium hookeri* and *Fossombronia incurva*. **Eden Field Club**. Alpine forget-me-not. Corn marigold. Dusky cranesbill. Evening primrose (Hybrid). *Hieracium unbellatum*. Mountain Pansy. Spignel meu. (Also known as Sphignel or Baldmoney). (*Meum athamanticum*).Willows attacked by *Phyllodecta*. **Flora of Cumbria Project** : Black twitch. *Bromus hordeaceus* ssp. *Thominii*. Bullwort (*Ammi majus*). Dock hybrid (*Rumex longifolius* x *R. obtusifolius*). Glassworts (*Salicornia dolichostachya*) and (*Salicornia fragilis*). Grass-leaved Pea. (*Lathyrus nissolia*). Ivy (*Herera colchica*). Polypody (*Polypodium australe*). *Senecio vernalis*. Sheep's sorrel. Spiraea douglasii. Toadflax hybrid (*Linaria pupurea* x *L. repens*). **Miscellaneous observations** : Autumn Lady's Tresses. Bee Orchid. Blue sowthistle. Pyramidal Orchid]. [Flora].

1984 Author : Richards, A.J. Field Report : Kindrogan, East Perthshire. 20th-24th May, 1982. Watsonia. **15**, (1), January, 67-68. [Field Study for Taraxacologists - includes reference to Chris Haworth]. [Flora].

1984 Joint Authors : Richards, A.J. & Haworth, C.C. Further new species of Taraxacum from the British Isles. Watsonia. **15** : 85-94. [Flora].

1984 "Plant Record **325/11 x 12** *Rumex crispus* L x *R. obtusifolius* L. V.C. 70, Cumberland : Whitehaven. GR 25/98.17. Allotment, C.C.Haworth, 1982, **herb**, C.C.H, det, D.H,Kent. New Vice-county record." Watsonia. **15**, (2), August, 133. [Flora].

1984 "Plant Record **605/7/amb** *Juncus ambiguus* Guss. V.C. 70, Cumberland : Drigg Dunes. GR 34/06.96. C.C.Haworth. 1983, field record, 2nd record. Watsonia. **15**, (2), August, 139. [Flora].

1984 Sub-Editor. Plant Report,1983. Birds in Cumbria : Spring, 1984. 56-61. Assn. Nat. Hist. Soc. in Cumbria. [**Barrow Naturalists' Field Club and Photographic Society**. Information Supplied by **Mrs Beryl Fisher** : Autumn Lady's tresses. Bee Orchid. Blood-drop emlets. Danewort. Hairy buttercup. Marsh Orchid. Mountain everlasting. Ploughman's spikenard. Sheep's sorrel.Tuberous vetchling. **CTNC Reserves** : **Eskmeals** : Bog pimpernell. Common skullcap. Less centaury. Pyramidal Orchid. Viper's bugloss. **Grubbins Wood, Arnside**. Adders tongue fern. Beech fern. Rigid buckler fern. Yellow mountain fern. **Smardale** : Birds-nest Orchid. Fly Orchid. Frog Orchid. **Eden Field Club** : Cowslips. False oxlip. Fringe cups. Toothwort. Woundwort. **Flora of Cumbria Project** : Bluebell (*Hyacinthoides hispanica*). Dock (Hybrid *Rumex crispus* x *R. obtusifolius*). Field mouse-ear chickweed. Golden Rod (*Solidago graminifolia*).Grey poplar.

Hairy medick. Hybrid horsetail (*Equisetum hyemale* x *E. variegatum*). Laburnum (*Laburnum alpinum*). Marsh clubmoss. Silky apera. Slender sheep's Sorrrell. Water dropwort. Willow (*Salix daphnoides*). **Notes from individual correspondents** : Angular Solomon's Seal. Birds-eye primrose. Bird's-nest Orchid. Coralroot. Dark-red Helleborine. *Dichodontium flavescens*. *Dicranum tauricum*. Field gentian. Globeflower. *Grimmia anodon*. Horseshoe vetch. Mountain everlasting. Royal fern. Sea kale. Sea plantain. Sedge (*Carex dioica*). Tassle hyacincth. Viviparous knotgrass. Yellow-horned poppy. [Flora].

1985 Sub-Editor. Flora of Cumbria Project, 1984. Birds in Cumbria : Spring 1985. 56-57. Assn. Nat. Hist. Soc in Cumbria. [Bramble (*Rubus rhombifolius*). Graden Arabis. Garlic (*Allium carnatum*). Pernettya]. [Flora].

1985 Sub-Editor. Plant Report,1984. Birds in Cumbria : Spring, 1985. 53-57. Assn. Nat. Hist. Soc. in Cumbria.[**Barrow Naturalist's Field Club and Photographic Society**. Information supplied by **Mrs B. Fisher** :- Acrid lettuce. Adder's-tongue fern. Alternate-leaved golden saxifrage. Doves-foot cranesbill. Lemon balm. Opium poppy. Oregon grape. Slender centaury. **CTNC** : **Smardale Reserve** : Birds-nest Orchid. Fly Orchid. **Eden Field Club** : Bird's-nest Orchid. Common butterbur. Cowwheat. Dyers Greenweed. Greater Butterfly Orchid. Marsh Hawksbeard. *Petasites albus*. *Petasites japonicus*. Petty whin. Sowthistle, (Prickly and Perennial). Star of Bethlehem. White deadnettle. **Notes from Individual Correspondents** : Autumn Lady's Tresses. Bee Orchid. Coralroot. Grass (*Melica nutans*). Green Winged Orchid. Hybrid Orchid (*Cactylorhiza incarnata* x *D. majalis* ssp. *Purpurella*. Sedge - (*Carex capillaris*). Water figwort. White melilotus. **West Cumberland Botanists' Group**. Bee Orchid. Greater Butterfly Orchid. Oyster plant. Spearwort. [Flora].

1986 Joint Author : Richards, A.J. Recent advances in the study of Taraxacum. Watsonia. **16**, (2), July, 223. [Flora].

1986 Joint Author : Rundle, A.J. An annotated list of British and Irish Dandelions (As at 1st January, 1986). Privately Printed. [Flora].

1988 Dandelions. Birds in Cumbria, Spring 1988. 53-55. Assn. Nat. Hist. Soc in Cumbria. [Flora].

1988 "Plant Record **400 /1 x 4** *Myosotis scorpioides* L. x *M. caepitosa* K.F.Schultz. V.C. 70, Cumberland : Parkside, Frizington. GR 35/02.15. Marshy field. C.C.Haworth, 1986, **LANC**, det, P.M.Benoit. New Vice-county record. Watsonia." **17**, (2), July, 191.[Flora].

1988 "Plant Record **607/11** *Allium paradoxum* (Bieb) G. Don. V.C. 70, Cumberland : near Blennerhasset. GR 35/16.40. Roadside. C.C.Haworth, 1986, **LANC**. Second record." Watsonia. **17**, (2), July, 195. [Flora].

1989 "Plant Record **387/1** *Nymphoides peltata* (S.G.Gmelin) Kuntz see : Dudman, A, 1989." [Flora].

1989 "Plant Record **400/4x1** *Myosotis caespitosa* K.F.Schultz x *M. scorioides* L. V.C. 70, Cumberland : Frizington. G.R. 35/02.15. Marshy field. C.C.Haworth. 1986,**LANC**, det, P.M.Benoit. New Vice-county record." Watsonia. **17**, (4), August, 475. [Flora].

1990 Author : Dudman, A. Christopher C. Haworth, 1934-1989. Watsonia. **18**, (2), August, 240-242. [Obituary].

1990 Author : Halliday, G. C.C. Haworth's contribution to the Flora of Cumbria. Watsonia. **18**, (2), August, 242. [Biography] [Flora].

1990 Joint Author : Richards, A.J. The lectotypification and revision of Dahlstedt's species of Taraxacum Weber based on British or Irish Plants. Watsonia. **18**, 125-130. [Flora].

1990 Six native species of Taraxacum new to the British Isles. Watsonia. **18**, (2), August, 131-138. [Flora].

1994 Authors : Dudman, A. A and Richards, A. J. Seven new species of Taraxacum Wigg. (Asteraceae), native to the British Isles. Watsonia. **20**, (2), August, 119-132. [Includes a description of : *Taraxacum haworthianum*, named in honour of Christopher C. Haworth].

1997 Author : Ellis, R. Gwynn. Dandelion Handbook Launch. BSBI News. **76**, September, 82. [Reporting the launch of a new BSBI Handbook. The item includes a tribute to Chris Haworth. It includes a photograph of Bertha Haworth, Andrew Dudman and John Richards at the Launch on the 22nd May, 1997]. [Flora].

1999 Reviewer : Halliday, G. A Review of Dandelions of Great Britain and Ireland. BSBI Handbook No 9. A.A.Dudman and A.J.Richards. Edited by P.H.Oswald. BSBI. 1997. 0 901158 25 9. Watsonia. **22**, (4), August, 436. [Reference to C.C.Haworth]. [Flora].

2002 Authors : Halliday, G and Richards, A.J. Andrew A. Dudman (1930-2001) : an obituary. Watsonia.

24, (2), August, 268. [Reference to C.C.Haworth]. [Flora].

2008 Author : Richards, John. The National Taraxacum Collection. BSBI News. **108**, April, 27. [Reference to Chris Haworth]. [Flora].

HAWORTH, Elizabeth. Y.

1967 The diatoms in a core from Blea Tarn, Langdale. M. Sc. Thesis. Univ. of Wales (Bangor). [Lakes & Tarns].

1969 The diatoms of a sediment core from Blea Tarn, Langdale. J. Ecol. **57**, (2), 429-439. [Lakes & Tarns].

1972 Diatom succession in a core from Pickerel Lake, North-eastern, South Dakota. Bull. Geol. Soc. Am. **83**, 157-172. [Lakes].

1972 Joint Authors : Pennington, W., **Haworth, E.Y**., Bonny, A.P & Lishman, J.P. Lake sediments in Northern Scotland. Phil. Trans. R. Soc. (B). **264**, 861. 191-294. [Lakes & Tarns].

1972 The recent diatom history of Loch Leven, Kinross. Freshwat. Biol. **2**, 131-141. [Lakes &Tarns].

1974 Some problems of diatom taxonomy in Scottish lake sediments. Br. Phycol. Jnl. **9**, 47-55. [Lakes & Tarns].

1975 A scanning electron microscope study of some different fustule forms of the genus Fragilaria found in Scottish late-glacial sediments. Br. Phycol. Jnl. **10**, 73-80.

1976 The changes in the composition of the diatom assemblages found in the surface sediments of Blelham Tarn in the English Lake District during 1973. Ann. Bot. **40**, (170), 1195-1205. [Lakes & Tarns].

1976 Two late-glacial (Late Devensian) diatom assemblage profiles from Northern Scotland. New Phytol. **77**, 227-256.

1977 The sediments of Lake George (Uganda). **5**. The Diatom assemblages in relation to the ecological history. Arch. Hydrobiol. **80**, 200-215. Proc. 5th Int. Diatom Symp. [Lakes].

1978 Joint Authors : Tangen, K., **Haworth, E.Y**., Brettum, P. & Muller, C. An annotated check-list of microalgae from Ovre Heimdalsvatn and its tributaries. Holarct. Ecol. **1**, 155-161.

1979 The distribution of a species of *Stephanodiscus* in the recent sediments of Blelham Tarn, English Lake District. Nova Hedwigia Beiheft. **64**, 395-410.

1980 Comparison of continuous phytoplankton records with the diatom stratigraphy in the Recent sediments of Blelham Tarn. Limnol. Oceanogr. **25**, 1093-1103.

1981 A note concerning Grunow's *Stephanodiscus hantzschii*. Striae. **14**, 119-121.

1981 Joint Authors : Barber, H.G., & **Haworth, E.Y**. A guide to the morphology of the diatom frustule, with a key to the British freshwater genera. F.B.A. Scientific Publication. **44**. ISBN : 0 900386 42 8.

1983 A scanning electron microscope study of *Cyclotella stelligera* and related taxa. **In :-** Rapport fra Diatomesymposium i Begen mai 1983 (ed S. Aasheim). Vol. **33**, 15-25. Botanisk Instituut Universitetet Bergen..

1983 Diatom and chrysophyte relict assemblages in the sediment of Blelham Tarn in the English Lake District. Hydrobiologia. **103**, 131-134.

1983 Joint Authors : Ochsenbein, U., Davison, W., Hilton, J., & **Haworth, E.Y**. The geochemical record of major cations and trace metals in a productive lake. Archiv. Fur Hydrobiologie. **98**, 463-488.

1984 Joint Author : Allen, P.V. Temporary changes in the composition of a postglacial diatom profile from Ullswater. Proc. 7*TH* Int. Diatom Symposium (Philadelphia 1982). Edited by D.G.Mann. 431-442. Koeltz, Koenigstein.

1984 Joint Author : Lund, John W.G. editors. Lake sediments and environmental history : studies in Palaeolimnology and Palaeoecology in honour of Winifred Tutin. Leicester University Press. 0-7185-1220-0. [Lakes & Tarns].

1984 Stratigraphic changes in algal remains (diatoms and chrysophytes) in the recent sediments of Blelham Tarn, English Lake District. **In :-** Lake sediments and environmental history. Edited by E.Y.Haworth and J.W.G.Lund. 165-190. Leicester University Press. [Lakes & Tarns].

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1985 Joint Author : Clegg, J. Diatoms of the Kentmere Diatomite Deposits. Microscopy. **35**, 285-290.

1986 Editor : Talling, J.F. Author : **Haworth, E.Y**. et al. A general assessment of environmental and biological features of Windermere and their susceptibility to change. Institute of Freshwater Ecology, Report to North West Water. Nov. 1986. pp1-80 + figs. [Lakes & Tarns].

1986 Joint Author : Hurley, M.A. Comparison of the stelligeroid taxa of the centric diatom genus Cyclotella. **In :-** Proceedings of the 8th International Diatom Symposium, Koenigstein (ed M. Ricard), pp 43-58. Koeltz.

1986 Joint Author : Offer, E.H. An amended description of the diatom *Navicula menda* Carter. British Phycological Journal. **21**, 445-447.

1986 Joint Authors : Bonny, A.P., Mathers, S.J. & **Haworth, E.Y**. Interstadial deposits with Chelford affinities from Burland, Cheshire. Mercian Geology. **10**, 151-160.

1987 Joint Authors : Atkinson, K.M. & Riley, E.M. Acidification in Cumbrian waters : past and present distribution of diatoms in local lakes and tarns. Unpublished Report to the Department of the Environment. (2 parts). [Lakes & Tarns].

1988 Distribution of taxa of the old genus *Melosira* (now mainly *Aulocoseira*) in Cumbrian waters. **In :** Algae and the Aquatic Environment. Edited by F.E.Round. Biopress, Bristol. 135-164. [Lakes & Tarns].

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1988 Joint Authors : Battarbee, R.W., Anderson, N.J., Appleby, P.G., Flower, R.J., Fritz, S.C. & **Haworth, E.Y**., Lake acidification in the United Kingdom 1800-1986. Evidence from lake sediments. ENSIS Publishing. London.

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1989 Palaeolimnology '89. Excursion Guide : Central Lake District. Department of Geography, University College, London. [Locations include : Blelham Tarn. Coniston Water. Drigg. Wastwater. Burnmoor Tarn]. [Lakes & Tarns]. FBA.

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1990 Joint Authors : Atkinson, K.M. & Haworth, E.Y. Devoke Water and Loch Sionascraig : recent environmental changes and post-glacial overview. Phil. Trans. Royal Soc, London. B. **327**, 349-355. [Lakes & Tarns].

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1991 Joint Author : Lishman, J.P. Recent changes in upland tarns in the English Lake District. Hydrobiolgia. **214**, 181-186. [Lakes & Tarns].

1991 Joint Author : Canter, H. M & **Haworth, E.Y**. The occurrence of two new planktonic diatom populations in the English Lake District : *Aulacoseira islandica* subspecies *Helvetica* and *A. ambigua*. Freshwater Forum. **1**, (1), 39-48.[Lakes & Tarns].

1991 Joint Authors : Smith, J.P., Appleby, P.G., Battarbee, R.W., Dearing, J.A., Flower, R.J., **Haworth, E.Y**., Oldfield, F., & O'Sullivan, P.E. Environmental history and palaeolimnology. Kluwer Academic Publishers.

1991 Joint Authors : Stevenson, A.C., Juggins, J., Birks, H.J.B., Anderson, D.S., Andersen, N.J., Battarbee, N.W., Berge, F., Davis, R.B., Flower, R.F. & Haworth, E.Y. The surface-water acidification project palaeolimnology programme : modern data/lake-water chemistry data set.

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1992 Joint Authors : Bonnett, P.J.P., Appleby, P.G., **Haworth, E.Y**., Hilton, J., Davison, W & Oldfield, F. Environmental behaviour of radioactivity from Chernobyl : Brotherswater Study. Report to the Dept of the Environment. P.E.C.D. 7/9/359. [Pollution]. [Lakes & Tarns].

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Moths : Bordered Straw (*Heliothis peltigera* Schiff). Death's Head Hawk moth (*Acherontia atropos* L). Diamond-back Moth (*Plutella maculipennis* Curt). Rush Veneer (*Nomophila noctuella*) Schiff. Silver Y (*Plusia gamma*). The Field Naturalist. **3**,(n.s), (4), 43-45. [Coleoptera]. [Lepidoptera]. [Hymenoptera]. [Lepidoptera] [Insects].

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: 67. [Insects].

1959 Coleoptera : Glow Worm (*Lampyris noctiluca* L). **Soldier Beetles** (*Cantharidae - C.linda* L. *C. nigricans*. Mull. *C.obscura* L. *C. pallida* Goez. *C. pellucida* F. **Rhagonycha** : *R fulva* Scop. *R. lignosa* Mull. Also : *Anoncodes melanura* L. *Rhagonchya fulva* Scop. *Saprinus semistriatus* Scriba]. *Saprinus seneus* F). The Field Naturalist. **4** (n.s.) (4), 43. [Insects].

1959 Crab Spider (*Xystious cristatus* Clerck) found at Grasmere. The Field Naturalist. **4**, (n.s), (4), 44. [Spiders].

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1959 Hymenoptera : *Anthophora furcata* Panz. *Cleptes nitidula* Fabr. *Abia lonicerae* L. The Field Naturalist. **4**, (n.s), (1), 5-6. [Insects].

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1959 Insect Notes. Lepidoptera : **Butterflies** : Red Admiral (*Vanessa atalanta*). and **Moths**: (*Acentropus niveus*). Barred Rivulet (*Perizoma bifurcate* Haw). Broad-Bordered Yellow Underwing (*Lampra fimbriata* Schreb). *Crambus falsellus*. Dark Umber (*Philereme transversata* Hufn). Double lobed (*Apamea ophiogramma* Esp.). *Ernarmonia aurana*. *Eucosma sordidana* Hubn. Frosted Orange (*Gortyna flavago* Schiff). Haworth's Minor (*Celeana haworthii* Curt). Hummingbird Hawk (*Macroglossum stellatarum* L). Large Wainscot (*Rhizedra lutosa* Hubn). Lesser Swallow Prominent (*Pheosia gnoma* Fab). *Nomophila noctuella* Schiff. Olive (*Zenobia lutosa* Hubn). Orange Sallow (*Tiliacea citrago* L). Pinion-Streaked Snout (*Schrankia costaestrigalis* Steph). Satin Carpet (*Cleora ribeata*). Scallop Shell (*Calocalpe undulata* L). Silver Y (*Plusia gamma* L). Suspected (*Parastichtis suspecta* Hubn). Swallow Prominent (*Pheosia tremula* Cl). Welsh Wave (*Venusia cambrica* Curt). Yellow Underwing (*Tripheana pronuba* L). The Field Naturalist. **4**, (n.s), (5), 52-54. [Insects].

1959 Insect Notes : Lepidoptera : **Butterflies** : Clouded Yellow. Painted Lady. Red Admiral. **Moths** : Beaded Chestnut (*Agrochola lychnidis* Schiff). Butterbur (*Hydraecia petasitis* Doubl). Convolvulus Hawk (*Herse convolvuli*). Death's Head Hawk (*Acherontia atropos* L. Frosted Orange (*Gortyna flavago*). Hummingbird Hawk, (*Macroglossum stellatarum* L). Large Wainscot (*Rhizedra lutosa*). Merveille du Jour (*Griposia aprilina* L. Miller (*Apatele leporine* L). Pearly Underwing (*Lycophotia saucia* Hubn). Silver Y. (*Plusia gamma* L.). also : *Eucosma ophthalmic Ana (*Hubn). *Evergestis criminalise (*Hubn). *Laspeyresia splendana (*Hubn). (*Plutella maculipennis*). [Insects].

1959 Insect Notes. Mecoptera (Scorpion Flies). *Panorpa cognata* Ram taken near Carlisle. The Field Naturalist. **4**, (n.s). (3), 32. [Insects].

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1959 Lepidoptera : **Butterflies** : Brown Argus (*Aricia agestis* Schiff). Large Heath (*Coenonympha tullia* Mull). **Moths** : *Adela degeerella* L. Blue-bordered Carpet (*Plemyria bicoloured* Hufn.). *Chilo phragmitellus* Hubn. Clouded Magpie (*Abraxas sylvata* Scop). *Depressaria conterminella* Zell. Diamond Rock Moth (*Plutella maculipennis* Curt). Double Lobed (*Apamea ophiogramma* Esp) Emperor larvae (*Saturnia pavonia* L). Gelechiid moth -*Paltodora cytisella*. Gold Spangle (*Plusia bractea* Schiff). *Nomophila noctuella* Schiff). *Notocelia uddmanniana* L. Purple Hairstreak (*Thecla quercus*). Rivulet (*Perizoma affinitata* Steph). Satin Carpet (*Tethea fluctuosa* Hubn). Silver Y (*Plusia gamma* L). Small Ermine Moths (*Hyponomeuta*). Small Mottled Willow *(Laphygma exigua* Hubn. The Field Naturalist. **4** (n.s.). (4), 41-42. [Insects].

1959 Lepidoptera : **Moths** : *Crambus uliginosellus* Zell. *Nymphula stagnata* Don. Plume Moth : *Amblyptilia acanthodactyla*. The Field Naturalist. **4**, (n.s.), (2), 16. [Insects].

1959 Mecoptera (**Scorpion Flies**). (*Boreus hyemalis* L). Lake District. The Field Naturalist. **4** (n.s). (1),5. (Also includes : *Panorpa*, viz. *germanica* L. and *Panorpa communis* L). [Diptera]. [Insects].

1959 Mollusca found at Eggerslack Woods, Grange-over-Sands. 29th, July. The Field Naturalist. **4**, (n.s), (5), 54. [*Acanthinula* (*Acanthinula*) *aculeate* (Muller). *Acanthinula* (Spermodea) *lamellate*. Hygromia (Trichia) *striolata* Monst. *subscalare* Williams 1890. *Lauria cylindracea* (da Costa). *Marpessa laminata* (Montagu). *Retinella* (Aegopinella) *pura* (Alder). The Field Naturalist. **4**, (n.s). (5), 54. [Molluscs].

1959 Soldier Beetles (Cantharidae).The Field Naturalist. **4**, (n.s), (4), 43. [Locations : Barrow and S.W.Lakes]. [Also includes : Glow Worms, *Saprinus semistriatus* Scriba and *S. seneus*, F]. [Insects].

1959 Spider (*Pholcus phalangioides* Fuesslin) at Grasmere. The Field Naturalist. **4**, (n.s), (4), 44.[Spiders]. [Insects].

1959 Spiders and Mites : **Spider** : *Pholcus phalangiodes* Fuess. Also a possible *Ciniflo similis* Bl. The Field Naturalist. **Mites** : *Cheletomorpha lepidopterorum* (Shaw). Found at Penrith on a specimen of Pale Mottled Willow Moth (*Caradrina clavipalpis*) (Scop). **4**, (n.s.) (6) : 67. [Lepidoptera] [Insects].

1959 Staphylinid Beetle *Anthophageus alpina* Payk taken at Red Screes. The Field Naturalist. **4**, (n.s). (1). 5.[Insects].

1959 The autecology of *Eustroma reticulata* Schiff. (Lep. Geometridae) in the Lake District. J. Soc Br Ent. **6**, 45-51. [Lepidoptera] [Insects].

1959 The food-plants of adult Micropterygids (Lep). Ent. mon. Mag. **95**, August, 188. [Insects] [Flora].

1960 Coleoptera (Beetles). List of beetles found frozen in ice on Sandscale sand Dunes : **Carabidae** : *Amara lucida* Duft. *Dyschirius salinus* Schm. **Dytiscidae** : *Hydroporus melanarius* Sturm. **Staphylinidae** : *Bledius fuscipes* Rye. *Bledius spectabilis* Kr. *Polystoma grisea* Kr. *Coccinellidae* (Ladybirds) : *Adonia variegata* Goez. *Chilocorus bipustulatus* L. **Tenebrionidae** : *Melanimon tibiale* F. **Scarabidae** : *Aphodius plagiatus* L. **Chrysomelidae** : *Psylloides cuprea* Koch. **Curculionidae** : *Sitona griseus* F. Also : **Carabid** : *Trechus obtuse* Er. and **Hydrophilid** : *Helephorus brevipalpis* Bed. The Field Naturalist. **5** (n.s.) (2) : 15-16. [Insects].

1960 Coleoptera (Beetles). Weevil - *Dorytomus majalis* Pay. At Langwathby. *Hydrothassa hanniveriana* Fab at Langwathby. *Lochmaea suturalis* Thomson at Meathop Moss. The Field Naturalist. **5**, (n.s.), (3), 27-28.[Insects].

1960 Coleoptera (Beetles). (Cumbrian Records - various locations. (*Agabus congener* Thun). (*Bembidion normannum* Dej). *Bembidion quinquestriatum* Gy). (*Bembidion schuppeli* Dej). (*Cantharis abdominalis* Feb). (*Cantharis lateralis* l). (*Chilocorus bipustulatus* L). (*Chrysolina marginata* L). (*Donacia aquatica* L). (*Dyschirius nitidus* Dej). (*Eubrychius velatus* Beck). (*Geotrupes vernalis* L). (*Heterocerus maritimus* Guer). (*Micropeplus fulvous* Er). (*Mycetophagus atomarius* F). *(Onthophagus fracticornis* Preys). (*Polydrusus chrismala* Ob). The Field Naturalist. **5**, (n.s). (4), 41. [Insects].

1960 Coleoptera (Beetles). Cumbrian Records : (*Acilius canaliculatus* Nico). (*Adonia variegata* Goeze). Goeze).(*Bembidion pallidipenne* Ill). (*Carabus glabratus* Payk). (*Cytilus sericeus* Forst). (*Haliplus immaculatus* Gerh). (*Haliplus lineolatus* Mann). (*Hister duodecimstriatus* Schr). (*Latelmis volckmari* Panz). Panz). (*Psilothrix cyaneus* Oliv). (*Pristonychus complanatus* Dej). (*Scaphidium quadrimaculatum* Ol). (*Soronia grisea* L). (*Subcoccinella* 24- *punctata* L). (*Tenebroides mauritanicus* (L). The Field Naturalist. **5** (n.s). (5), 56. [Insects].

1960 Coleoptera (Beetles). Cumbrian Records : *Agathidium nigrinum* Sturm. *Atheta pagana* Erich. *Carcinops quattuordecimstriata* Steph. *Deronectes depressus* Fab. *Gabrius osseticus* K1. *Haliplids*. *Helichus substriatus* M1. *Macroplea mutica* F. var *curtisii* Lac. *O. laeviusculum*. *O. oxyacanthae* Gr. *O. rugulipenne* Rye. *Ochthebius minimus* Fab. *Omalium riparian* Th. *Pterostichus vernalis* Panz. The Field Naturalist. **5** (n.s). (6), 67. [Insects].

1960 Coleoptera : Water beetle : *Dytiscus marginalis* L.(Roudsea Woods). 4th January. The Field Naturalist. **5**, (n.s), (1), 5. [Insects].

1960 Diptera (Flies) : *Servillia ursine* Meig. Also mentions : Chironomids (Midges). Also some flies from Walmersley, nr Bury. The Field Naturalist. **5**, (n.s), (4), 41-42. [Insects].

1960 Diptera (Flies). *Pollenia rudis* and *Simulium ornatum* (At Wennington nr. Lancaster). The Field Naturalist.**5** (n.s). (6), 67-68. [Insects].

1960 Ephemeroptera (Mayflies). The May Fly (*Leptophlebia marginata* L). at Walmersley. The Field Naturalist. **5**, (n.s), (4), 39. [Insects].

1960 Hymenoptera. Bee : *Anthidium manicatum* L feeding on Stachys. The Field Naturalist. **5**, (n.s). (4), 41. [Insects].

1960 Hymenoptera. Bees : *Andrena fulva* Sch. *Anthophora acervorum* L. *Bombus soroensis* Fab. The Field Naturalist. **5**, (n.s). (6), 67. [Insects].

1960 Lepidoptera : Butterflies and Moths. **Butterflies** : Red Admiral (*Vanessa atalanta*). **Moths** : Lunar Underwing (*Anchoscelis lunosa* Haw.). Pale Brindled Beauty (*Phigalia pedaria* Fabr). Pale Mottled Willow (*Laphygma exigua* Hubn). *Phlyctaenia ferrugalis* Hubn. Scarce Bordered Straw (*Heliothis armigera* Hubn). The Field Naturalist. **5**, (n.s). (1) : 4. [Insects].

1960 Lepidoptera : Butterflies and Moths : **Butterflies** : Small Tortoise (*Aglais urticae* L). **Moths** :

Deep-Brown Dart (*Aporophilia lutulenta* Schiff). Small Brindled Beauty (*Apocheima hispidaria*). The Field Naturalist. **5**, (n.s). (2) : 15. [Insects].

1960 Lepidoptera : Butterflies and Moths. **Butterflies** : Brimstone (*Gonepteryx rhamni* L). **Moths** : Barred Tooth-Striped (*Nothopteryx polycommata* Schiff). Blossom Underwing (*Orthosia miniosa* Schiff). Broad-barred White (*Hadena serena* Schiff). Great Prominent (*Notodonta anceps* Goeze). Orange Underwing (*Brephos parthenias* L). Grey Pine Carpet. (*Thera obeisant* Hubn). Lunar Marbled Brown (*Chaonia ruficornis* Hufn). Pale Brindled Beauty (*Phigalia pedaria* Fabr). Pine Beauty (*Panolis flammea* Schiff). Scarce Prominent (*Odontosia carmelita*). Small Clouded Brindle (*Apamea unanimous* Hubn). Sword grass (*Xylena exsoleta*). White Marked (*Gypsitea leucographa* Schiff). The Field Naturalist. **5** (n.s.) (3) : 27. [Insects].

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(*Apamea unanimus* Hubn). White Colon (*Heliophobus albicolon* Hubn). The Field Naturalist. **6** (n.s). (4), 42-43. [Insects].

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1962 Lepidoptera : **Butterflies** : Large White (*Pieris brassicae*). Peacock (*Vanessa io* L). Small Mountain Ringlet (*Erebia epiphron*). Small Tortoise (*Aglais urtica*). Wall (*Pararge megera* L). **Moths** : Death's Head Hawk moth (*Acherontia atropos*). Rush Veneer (*Nomophila noctuella* Schiff). Silver Y (*Plusia gamma*). Striped Hawk-moth (*Celerio livonia* Esp). The Field Naturalist.**7**, (n.s), (4), 63.[Insects].

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1955 Editor. Bird distribution in a mild November. (Includes :- Large flocks of Wood Pigeons. Dabchick. Water Rail. Gulls. Geese. Warblers. Grebes. Swans). Field Naturalist. December. 2-3. [Birds].

1955 Editor. Bird life among the Winter Storms. Field Naturalist. January. 3. [Birds].

1955 Editor. Bird life - the Winter scene. (Includes :- House Martins. Swallows. Waders. Gulls. Geese. A Tufted Duck with Scaup characteristics. Corn Bunting. Meadow Pipits. Starling roost at Windermere). Field Naturalist. November. 2-3. [Birds].

1955 Editor. Bird migration and distribution. (Includes :- Iceland Gull. Red-throated Pipit. Peregrine. Corncrakes in Eden. Golden-eye. Dippers). Field Naturalist. June. 3. [Birds] [Raptors].

1955 Editor. Bird movements. (Includes :- Pink-footed Geese. Mergansers. Whimbrel. Oystercatchers. Thrushes. Finches. Green Woodpecker). Field Naturalist. February. 2. [Birds].

1955 Editor. Bird movements in February. (Includes :- Gull roosts on Ullswater. Inland Gannets. December Wreck 20th - 23rd December). Field Naturalist. March. 3-4. [Birds].

1955 Editor. Bird Notes. (Includes :- Birds of special interest. Bird Song. Oystercatcher flocks. Gull-roosts at Ullswater. Dipper in Penrith. Whooper Swans on Grasmere Lake). Field Naturalist. February. 3-4. [Birds].

1955 Editor. Bird Notes. (Includes : Unusual visitors. Hooded Crow at Asby. Distribution and Numbers. Mass Movements (East Coast). Infected Common Gull. Dipper. Ringing). Field Naturalist. November, 3-4. [Birds].

1955 Editor. Bird Notes. (Includes :- Little Auk at Appleby. Great Northern Diver on Lilymere. Bittern in Cumberland. Grebes. Bird Song. Bird Ringing. Diseased Bird - Common Gull. Freak Birds. Notes on behaviour - Little Grebe. Dipper. Coot Enquiry). Field Naturalist. December. 3-4. [Birds].

1955 Editor. Bird Notes. (Oystercatchers. Dipper. Lapwing/Peewits. Shoveler (River Eden). Sedge Warbler. Tawny Owl). Field Naturalist. June, 2-3. [Birds].

1955 Editor.Bird Notes. (Includes :- The Changing Scene,(Not the publication!) Notes on distribution.

House Martins. Ringing. Wader movements. Gulls. Shelduck. Corncrakes. Nightjar. Little Owl. Green Woodpecker). Field Naturalist. August. 3-4. [Birds].

1955 Editor. Bird Notes. (Includes :- Unusual visitors - Hooded Crow at Asby. Distribution and numbers. Mass movements (East Coast). Infected Common Gull. Notes on behaviour - Including Peregrines. Starling roosts. Dipper. Ringing). Field Naturalist. November. 3-4. [Birds] [Raptors].

1955 Editor. Bird Notes. Nests, eggs and fledglings. (Includes :- Oystercatchers. Dipper. Peewit. Shoveler.(River Eden). Sedge Warbler. Tawny Owls). Field Naturalist. June. 2-3. [Birds].

1955 Editor. Bird notes of special interest. (Includes :- Water Pipit. Golden Eagle. Stonechats. General notes. Ringing. Freak Birds). Field Naturalist. May. 3-4. [Birds] [Raptors].

1955 Editor. Bird Rareties. (Includes :- Golden Eagle. Rough-legged Buzzard. Red-throated Pipits? Nutcrackers? Red-necked Grebe). Field Naturalist. March. 2-3. [Further discussion on the Red-throated Pipits and the Nutcracker appears in the April edition, 2]. [Birds]. [Raptors].

1955 Editor. Birds. They come, they go. (Includes :- Late stayers. Summer Migrants. Song and Nesting. Heronries). Field Naturalist. May. 203. [Birds].

1955 Editor. Bird Visitors. (Includes :- Further notes on Bird rareties. Spring coming and going. Bird song and nesting. Causes of death in Birds. Unusual feeding. Freak Bird. Dippers. Flocks of Sky Larks. Gull roost on Ullswater. Ringed Birds). Field Naturalist. April. 2-4. [Birds].

1955 Editor. Bird Watchers Notes. [Includes :- On the move (Waders. Gulls. Shelduck. Swifts. Swallows. Redpoll). Late breeding. Nesting success. Notes on distribution. Freak birds. Notes on Behaviour. Oystercatchers. Gulls. Treecreeper. Song Thrush nesting activities timed and Recoded). Field Naturalist. September. 2-3. [Birds].

1955 Editor. Bird Watchers Notes. (Includes :- 1955 nesting season. Feeding habits. Interesting visitors. Flocking. Dawn chorus. Freak Birds). Field Naturalist. July. 2-3. [Birds].

1955 Editor. Causes of death in Birds. Field Naturalist. February. 2.

1955 Editor. Effects of Myxomatosis. (Evidence includes :- Loss of Field Mice and Voles. Non-breeding Owls. Boldness of Stoats. Loss of Bird eggs and fledglings. Cats. Changes to warrens). Field Naturalist. August. 3. [Mammals] [Birds].

1955 Editor. Effects of Myxomatosis. Field Naturalist. September.1 and December. 1. [Mammals].

1955 Editor. Hardy insects. (Includes :- Rosy rustic. Pale Mottled Willow. Turnip Moth. Red Swordgrass. *E. congelatella*. Angleshades. Large Mallow). Field Naturalist. November. 4. [Lepidoptera] [Insects].

1955 Editor. Insect Notes (Beetles attracted to M.V. lights). The Field Naturalist. August, 2.

1955 Editor. Insect Notes - Entomological activity. (Includes :- Small Tortoiseshell Butterfly. Whites. Orange Tip. *S. avellanella*). Field Naturalist. May. 2.

1955 Editor Insect Notes - Hardy insects. (Includes:- Rosy Rustic. Pale Mottled Willow. Turnip Moth. Red Swordgrass. *E.congelatella*. Angleshade. Large Mallow). Field Naturalist. November. 4.

1955 Editor. Insect Notes (Includes :- *Crambus tristellus*. Dawn Arches. Large Yellow Underwing. Wasps. Burying Beetles. Ground Beetle. Water Beetle. Water Boatmen. Bed Straw Hawk. Great Brocade. Small Mottled Willow (*S.Exigua*). Lead Belle. Grass Emerald. Green Arches. Triple-spotted Clay (*G.ditrapezium*). Large Emerald. Anomalous. Juniper Pug. Least Yellow Underwing (*T. interjecta*). Dusky Shears (*O. fissipuncta*). Northern Rustic (*A. lucernea*). Miller (*A. leporina*). Marbled Coronet (*H. conspersa*). Bordered Sallow (*C. umbra*). Oblique-striped (*X. vittatal*). Micro moths). Field Naturalist. August. 2. [Coleoptera] [Lepidoptera] [Insects].

1955 Editor. Insect Notes. (Includes :- Large White. Spring Usher. Sexton Beetle). Field Naturalist. January. 4. [Coleoptera] [Lepidoptera]. [Insects].

1955 Editor. Insect Records. (Includes :- Early Moth. Spring Usher. Pale Brindled Beauty. March Moth). Field Naturalist. February. 2. [Lepidoptera] [Insects].

1955 Editor. Insect Records. (Includes :- Mottled Umber. Green Oak-Tree Tortrix. Great Brocade. *Pulsia confusa*. Rare Beetle - *Leistus montanus*). Field Naturalist. January. 2. [Coleoptera.] [Lepidoptera] [Insects].

1955 Editor. Insect Records. (Includes :- Prevalence of 2nd broods. Poplar Hawkmoth. Miller. Sallow Kitten. Pebble Hook-tip. Iron Prominent. Gold Spot. Burnished Brass. Dark Spectacle. Pale Oak Eggar. Rustic. Haworths Rustic. Bulrush Moth. Butterbur Moth. Anomalous. Crescent. Lesser-spotted Pinion. Oblique Striped. The Gem. Orange Sallow. Ruby Tiger. Great Brocade. Micro Moths. Golden-red Brindle. Grey Chi. Butterflies Red Admirals. Small Tortoiseshell. Painted Ladies. Common White). Field Naturalist. September. 3-4. [Lepidoptera] [Insects].

1955 Editor. [Insects]-Hunters by night. (Includes :- Scarce Prominent. Dwarf Pug. Seraphim. Lunar Marbled Brown. Figure of Eighty. Royal Mantle. Yellow-barred Brindle. Clouded Silver. Popular Moth. Puss Moth. Peppered Moth). Field Naturalist. June. 2. [Lepidoptera].

1955 Editor. Insects in Winter. (Includes :- Winter Moth. Northern Winter Moth. Mottled Umber. December Moth. Silver Y). Field Naturalist. December. 4. [Lepidoptera].

1955 Editor. Insects - Slaves of the Lamp. (Includes :- M.V. Lamps and Moth reactions. Bordered White. Water-beetles. Water-bugs. Scarce Silver Y. Beautiful Golden Y. Plain Golden Y. Gold Spangle. Gold Spot. Golden Pulsia. Green Arches. Small Mountain Ringlet. Figure of Eighty-revised to Poplar Lutestring. Royal Mantle revised to Seraphim. Peppered Moth. Oak Beauty). Field Naturalist. July. 3-4. [Lepidoptera] [Insects].

1955 Editor. Insects. Wasps and other Hymenoptera. Field Naturalist. September. 4. [Insects].

1955 Editor. Notes on Amphibians and Mammals. (Field sightings. Palamated Newts- Ribble Valley. Roe Deer. Red Squirrel). Field Naturalist. July. 2. [Amphibians]. [Mammals].

1955 Editor. Notes on Mammals. (Field sightings:- Badger. Red Squirrel). Field Naturalist. March. 1-2.

1955 Editor. Notes on Mammals. (Field sightings :-Hedgehogs. Badgers. Red Squirrel. Roe Deer. Fallow Deer). Field Naturalist. May. 4.

1955 Editor. Notes on Mammals. (Includes Rabbits re-establishing after myxomatosis. Rats moving into empty rabbit burrows). Field Naturalist. June. 3.

1955 Editor. Notes on Mammals, Fish and Reptiles. (Field sightings :- Roe Deer. Myxomatosis. Salmon on the River Eden dying after floods). Field Naturalist. January. 2-3.

1955 Editor. Notes on Mammals. (Long-tailed Field Mouse - Ravensdale). Field Naturalist. February. 2.

1955 Editor. Notes on Mammals. (Field sightings - Red Squirrel, Salkeld). Field Naturalist. December. 4.

1955 Editor. Notes on Mammals. (Myxomatosis). Field Naturalist. April. 4. [Rabbits].

1955 Editor. Notes on Plants. (Includes :- Celandines. Sallow. Wild Daffodils. Primroses). Field Naturalist. April. 2.[Flora].

1955 Editor. Notes on Plants. (Includes:- Effects of sudden frosts on trees. Felwort, (G. amarella). Primrose). Field Naturalist. November. 1. [Flora].

1955 Editor. Notes on Plants. (Includes :- Enchanters Nightshade. Lousewort). Field Naturalist. September, 1-2. [Flora].

1955 Editor. Notes on Reptiles, Amphibians and Fish. [Includes :- Common Lizard at Coniston Lake. Toad mortality. Bitterling - S. Lancs]. Field Naturalist. May. 2.

1955 Editor. Other Bird Notes. (Includes :- Oystercatcher Survey. Ringing. Abnormal Birds. Nesting. Dotterel. Crossbill. Little Grebes. Barn Owl Mortality). Field Naturalist. January. 3-4. [Birds].

1955 Editor. Other notes on Birds. Field Naturalist. December. 3-4.

1955 Editor. Plant Notes. Aliens. (Includes :- Milk Vetch. Black Hare's-foot Clover. Black Sedge. Elecampane). Field Naturalist. January. 2. [Flora].

1955 Editor. Plant Notes. (Includes :- Enchanter Nightshade. Lousewort). Field Naturalist. September. 1-2. [Flora].

1955 Editor. Plant Notes. [Includes :- Flowering Rush. Water Crowsfoot (*Ranunculus peltatus*). Rock Rose (Pale Yellow), Pale Toadflax (*Callitriche intermedia* var *pedunculata*). *Scirpus setaceus*). Field Naturalist. August. 1. [Flora].

1955 Editor. Plant Notes. (Includes :- Water Starworts (*Callitriche intermedia*) at Salkeld Dykes. Lesser Periwinkle. Winter Aconite). Field Naturalist. January. 4. [Flora].

1955 Editor. Plant Records. (Includes :- Coltsfoot. Primroses. White Butterbur. Snowdrop. Barren

Strawberry. Storks-bill). Field Naturalist. February. 1. [Flora].

1955 Editor. Plant Records. (Includes :- Spring Gentians. Treacle Mustard. Water Chickweed (*Monita Sp*.) *Primula varibilis*. Water Avens hybrid (*Geum intermedia*). Pink Primrose. Cuckoo Flower. Bracken. Male Fern). Field Naturalist. June. 2. [Flora].

1955 Editor. Plants - Spring Flowers. (Includes :- Cuckoo Flower. Wood Anemone. *Veronica filiformis*. Wilson,s Filmy Fern. Green Hellibore. Kingcup). Field Naturalist. May. 1-2.[Flora].

1955 Editor. Plants-Summer Blossoms. (Includes :- Fly and Bee Orchids. Water Chickweed. Dusky Crane's-bill. New Zealand Willow Herb (*Epilobium pedunculare*). Bristle Scirpus. French Hawk's-beard (*Crepis nicaeensis*). Bastard Service-tree,(*Sorbus hybrida*)). Field Naturalist. July. 1. [Flora].

1955 Editor. Plant surprises for the November Botanists. (Includes :- Hazel Catkins. Snowdrops. An old tree with four different trees growing from it). Field Naturalist. December. 2. [Flora].

1955 Editor. Hervey, G.A.K. Slaves of the lamp - M.V. Lamps and Moths reactions. Field Naturalist. July, 3-4. [Lepidoptera] [Insects].

1955 Editor. Some note-worthy Bird records. (Includes :- Hoopoe's in the North West. Turtle Dove at Windermere). Field Naturalist. January. 2. [Birds].

1955 Editor. Surprises for the November Botanist. [Hazel catkins. Snowdrops. An old tree with four different trees growing out from it]. Field Naturalist. December. 2. [Flora].

1955 Editor. The effects of Myxomatosis. Field Naturalist. September, 1. [Rabbits]. [Mammals].

1955 Editor. The Winter scene-Bird life. Field Naturalist. November. 2-3. [Birds].

1955 Editor. Wasps and other Hymenoptera. Field Naturalist. September. 4. [Insects].

1955 Editor. Winter insects. (Including : Winter Moth. Northern Winter Moth. Mottled Umber. December Moth. Silver Y). Field Naturalist. December. 4. [Lepidoptera] [Insects].

1955 Editor. Wood Ants. Summary of a Report by J.E.Satchell and C.A. Collingwood - Merlewood Research Station. Field Naturalist. August. 2-3. [Hymenoptera] [Insects].

1956 Author : Birkett, N.L. An 'overlooked' foodplant of *Exapate congelatella* Clerck. Ent. Rec. **68**, (12), December, 310. [Reference to G.A.K.Hervey].

1956 Author : Birkett, N.L. *Hydraecia oculea* L. and its near relatives in North West England. Entomologist. **89**, (1112), January, 20-21.[Reference to Canon Hervey]. [Insects].

1956 Author : Davidson, W.F. *Acherontia atropus* L. in Cumberland. Ent. Rec. **68**, (10), October, 247. [Reference to G.A.K.Hervey].

1956 Editor. Abnormal Growths. (Plants). Field Naturalist. **1**, (n.s), (5), 4. [Broad-leaved Willow-herb. Marigold. Panicle Sedge (In a Cheshire Mere). [Flora].

1956 Editor. After-effects of Myxomatosis. Field Naturalist.**1**, (n.s), (4), 5-6. [Hares. Rabbits]. [Buzzards, Magpies. Carrion Crows]. [Raptors. [Birds]. [Mammals]

1956 Editor. A High level Tarn. (Ruthwaite Cove, Helvellyn). (Water-Starwort , *Callitriche stagnalis*). The Field Naturalist. **1**, (n.s), (5), 2. [Flora].

1956 Editor. Albinos and their psychology. (Birds). Field Naturalist. **1**, (n.s), (6), 11.

1956 Editor. An "Antrobus" year. (Hawk Moths). The Field Naturalist. **1**, (n.s), (5), 4-5. [Death's-head Hawk Moth - also known as Bee Tyger Hawk Moth. Convolvulus Hawk. [Lepidoptera]. [Insects].

1956 Editor. An Auroral Display? The Field Naturalist. **1**, (n.s.), 10, 3. [Weather].

1956 Editor. A Season late but prolific. The Field Naturalist.**1**, (n.s), (4), 2-3. [Cumbrian records : Bee orchid. Bird Cherry. Bird's-eye Primroses. Cut-leaved Mignonette. Dog Roses. Dusky Crane's-bill. Fly Orchid. Green-veined Orchid. Hare's-foot Clover. Hawthorn. Holly-flowers. Knotted Clover. Liverworts. Mousetail. Spring Gentians. Water Crowfoot. Yellow Chamomile]. [Flora].

1956 Editor. Bats Diets. The Field Naturalist. **1**, (n.s), (6), 12. [Mammals]. [Lepidoptera].

1956 Editor. Bird movements and distribution in winter. The Field Naturalist. **1**, (n.s), 3-50. [Birds].

1956 Editor. Bird Nests - ordinary and extraordinary. The Field Naturalist. **1**, (n.s), (4), 8-9. [Barn Owl. Black-headed Gull. Buzzard. Goldcrest. Little Grebe. House Martin. House Sparrow. Shelduck. Willow Warbler]. [Birds].

1956 Editor Bird Populations. The Field Naturalist. 1, (n.s), (4), 9-10.

1956 Editor. Bird Report. (Includes :-The Winter Scene and Detailed notes on Birds). The Field Naturalist. **1**, (n.s), (1), 3-4 and 6-8.[Includes : A flock of Buzzards. Diseased Birds. Roosting Tree-creepers. Ringing. Winter Bird Song. Unusual perching. Barn Owl Pellets. Oiled Birds]. [Raptors] [Birds].

1956 Editor. Bird Report. (Includes :-Heralds of Spring. Bird movement and distribution in Winter. Local Effects of the Severe Weather. Other records of Interest. Further notes on Birds. The Field Naturalist. **1**, (n.s), (2), 2-6. [Birds].

1956 Editor. Birds on the Move. The Field Naturalist. **1**, (n.s), (5), 7-12.[Includes : Birds on the move. Nesting Records. Rare Visitors. Other notes on birds].

1956 Editor. Botanical Notes. The Field Naturalist. **1**, (n.s), (6), 6-7. The Late Autumn scene : Holly. Sea Buckthorn. Origin of *Erinus alpines* in Britain. The extension of Salt Marsh - Dee Estuary. Distribution - Barberry. Chichory. Field Gentian. Royal fern. Wild Carrot. Water Starwort. *Alchemilla wichurae*. *Sausurrea alpina*. [Flora].

1956 Editor. Colonies of Mining Bees (*Andrena cineraria*) at Ennerdale. The Field Naturalist. **1**, (n.s), (3), 7.[Hymenoptera] [Insects].

1956 Editor. Crustaceans of 250 Million years ago. (Fossils. Trilobites, Ravenstonedale and Penrith). The Field Naturalist. **1**, (n.s), (3), 12. [Geology].

1956 Editor Distribution of Mammals. Field sightings :- Red Deer, Red Squirrel, Roe Deer, Stoats, Weasel, Whiskered Bat. The Field Naturalist. **1**, (n.s), (5), 12.

1956 Editor. Effects of myxomatosis. The Field Naturalist. **1**, (n.s), (1), 5-6. [Mammals : Rabbits. Stoats]. [Birds : Buzzards. Mistle Thrushes. Partridge]. [Raptors].

1956 Editor. Emergence of Frog-hoppers in Mosedale. The Field Naturalist. **1**, (n.s), (5), 6. [Hemiptera]. [Insects].

1956 Editor. *Exapate congelatella* on Skiddaw. The Field Naturalist. **1**, (n.s), (6), 12. [Lepidoptera] [Insects].

1956 Editor. Footprints in snow and other Winter records. The Field Naturalist. **1**, (n.s), (2), 6-7. [Atlantic Seal. Badger. Hares. Hedgehog. Otter. Rabbits. Red Squirrel. Stoat. Weasel]. [Mammals].

1956 Editor. Freak Flowers. (Dry weather adaptation). The Field Naturalist.**1**, (n.s), (4), 3 [Buttercup. Dandelion. Hemp Nettle. Water Crowfoot]. [Flora]. [Climate].

1956 Editor. Ground Hog Day. The Field Naturalist. **1**, (n.s), (4), 4-5. (*Arctomys monax*). [Mammal]. [United States].

1956 Editor. Habits of the Roe Deer. The Field Naturalist. **1**, (n.s), (4), 5-6. [Mammals].

1956 Editor. Hardy Blossoms. The Field Naturalist. **1**, (n.s), (2), 8.[Cumbrian records include : Chickweed. Gorse. Dogs Mercury. Grey Speedwell. Groundsel. Winter Heliotrope. [Flora].

1956 Editor. Heralds of Spring. The Field Naturalist. 1. (n.s), (2), 2-3.

1956 Editor. In Praise of Winter. The Field Naturalist. **1**, (n.s), (6), 2-3. Includes : the Salt Marsh. The Lake. The Estuary. Woodlands, Pasture and Fellside. [Birds].

1956 Editor. Insect Notes. (Butterflies. Moths. Water Measurers at Dale Head). The Field Naturalist. **1**, (n.s), (1), 6. [Moths : Dotted Carpet. Great Brocades. Large Wainscot. Peppered Moth. Plain Clay]. [Insects].

1956 Editor. Insect Records. The Field Naturalist. **1**, (n.s), (6), 12. (*Exapate congelatella* on Skiddaw. Insect swarms - *Coelopa* on the coast. Bats diet - Dark Arches (*A. monolith*), Silver Y. (*Plusia gamma*) and Yellow Underwing (*T. pronuba*). Late stayers - Yellow Underwing. Rosy Rustic]. [Lepidoptera] [Insects].

1956 Editor. Insect swarms and migrations. (Includes :-Bumble Bees, Empid Flies and Staphylinid Beetles). The Field Naturalist. **1**, (n.s), (4), 3-4. [Insects].

1956 Editor. Interesting Visitors. (Birds). The Field Naturalist. **1**, (n.s), (4), 190-11.

1956 Editor. Invaders and colonists. (Plant Aliens). The Field Naturalist. **1**, (n.s), (3), 4-5.[Cumbrian Records : Canadian Pondweed. *Claytonia alsinoides*. Oxford Ragwort. *Scilla italica*. Speedwell. Spotted Medick. Willow-herb. [Flora].

1956 Editor. Lepidoptera Reports. The Field Naturalist. **1**, (n.s), (5), 7. [Insects].

1956 Editor. Luxuriant and abnormal growth. (Plants). The Field Naturalist. **1**, (n.s), (3), 5-6. [Cumbrian Records : Blackthorn. Bluebells. Creeping Corydalis. Primroses with varying numbers of petals. Wild Daffodils. Yellow Star of Bethlehem]. [Flora].

1956 Editor. Mammals and Fish. (Field sightings :- Japanese Deer. Red Deer. Hedgehogs. Mole. Salmon).The Field Naturalist. **1**, (n.s), (1), 5

1956 Editor. Marine and Freshwater Life. The Field Naturalist. **1**, (n.s), (2). 7-8. [Includes : Brittle Stars. Oysters. Sea Mice. Starfish. Sunstars. Water fleas]. [Marine]. [Fish].

1956 Editor. Moths taken in an MV trap near Brampton. The Field Naturalist. **1**, (n.s), (1), 6. [Lepidoptera] [Insects].

1956 Editor. Mountains, Dunes and Moorland. (Plants). The Field Naturalist. **1**, (n.s), (5), 2-4. [Alpine Bartsia. Alpine Saw-wort. Awlwort. Black Sedge. (*Carex atrata*). Broad-leaved Ragwort. Field Garlic. Flowering Rush. Goldilocks (*Linosyris vulgaris*), Great Mullien. Hoary Rock-rose. Horseshoe Vetch. Jointed Rush (*Juncus kochii*). Large-flowered Hemp Nettle. Lilies of the Valley. Marsh Andromeda. Moss Campion. Narrow-leaved water Parsnip. Red-berried Elder. Rigid Buckler Fern. Sand Leeks. Scottish Asphodel. Shrubby Potentilla. Small Yellow Balsam (*Impatiens parviflora*). Spiked Speedwell (*Veronica hybrida*). Teasel. Trientale. White Heather. [Also includes a list of plants found on Lancashire Dunes]. [Flora].

1956 Editor. Nocturnal orgies. (Moths). The Field Naturalist. **1**, (n.s), (3), 6-7. [Grey Scalloped Bar. Lunar Marbled Brown. Northern Drab. Powdered Quaker. Scarce Prominents. [Lepidoptera]. [Insects].

1956 Editor. Notes from Birdwatchers. (Includes :- Bird behaviour, Bird song, Distribution, Freak birds, Infected Gulls, Nesting behaviour, Rare visitors, Ringing recoveries). The Field Naturalist. **1**, (n.s),(3), 8-11. [Birds].

1956 Editor. Notes on Lepidoptera. (Butterflies and Moths). The Field Naturalist. **1**, (n.s), (4), 4. [**Butterflies** : Small Mountain Ringlet (*E. epiphron*). **Moths** : Alder Moth (*A. alni*). Archer's Dart (*A.vestigialis*). Light Brocade (H. w-latinum), Miller (*A.leporine*), Poplar Kitten (*C.furcula*). Saxon (*H. rectilinear*). Scalloped Shell (*C.undulata*), Shore Winscot (*L. littoralis*). Suspected (*P. suspecta*). White Colon (*H. albicolon*). White ermine (*S. lubricated*). [Insects].

1956 Editor. Notes on Mammals. (Field sightings :- Cats, Otter, Porpoise, Red Deer, Stoats). The Field Naturalist. **1**, (n.s),(4), 7-8. [Marine. Mammals].

1956 Editor. Notes on Mammals. (Field sightings :- Hedgehogs, Rabbits, Red Deer, Red Squirrels, Stoats). The Field Naturalist. **1**, (n.s), (3), 11-12. [Mammals].

1956 Editor. Notes on Mammals and Reptiles. (Field sightings :-Badgers, Grey Squirrel, Otters, Pine Marten, Rabbits, Rats, Red Deer. Stoats, Whiskered Bat, Frogs, Lizards). The Field Naturalist. **1**, (n.s), (6), 7-8.

1956 Editor. Notes on Reptiles. (Field sightings :- Slow-worm(Blue-spotted Race - Chipping, Lancashire. Grass Snake). The Field Naturalist. **1**, (n.s), (4), 8.

1956 Editor. Oil Beetle (Meloe., *Proscara baeus*) at Ennerdale. The Field Naturalist. **1**, (n.s), (3). 7-8. [Coleoptera] [Insects].

1956 Editor. Origin of *Erinus alpinus* in Britain. The Field Naturalist. **1**, (n.s), (6), 6-7. [Flora].

1956 Editor. Other Insect Notes. The Field Naturalist. **1**, (n.s), (3), 8. [**Bees** : Bumble and Hive. **Beetles** : Ladybirds. **Butterflies** - Small Copper (*Heodes phlaeas*). **Moths** : Cinnabar (*Callimorpha jacobaea*). Heath Moth (*Ematurga atomaria*). Peppered Moth (*Biston betularia*). [Coleoptera]. [Lepidoptera]. [Hymenoptera]. [Insects].

1956 Editor. Other notes on Birds. (Includes : Behaviour. Late stayers. Ringing Records. The Field Naturalist. **1**, (n.s). (4), 11-12. [Birds].

1956 Editor. Other notes on Birds. (Includes :- Bird behaviour, Bird Song, Late stayers and nesters, Nesting Success). The Field Naturalist. **1**, (n.s), (6), 9-12.

1956 Editor. Other Notes on Insects. The Field Naturalist. **1**, (n.s.), 5, 6-7). [Includes : Dragonfly eating Bumble-bee. Emergence of Frog-hoppers. Insect swarms on Levens Estuary. Primitive Insects Thysanura. Campodea. General Report : Dusky Lemon Sallow (*Cirrhia gilvago*), Elephant and Small Elephant Hawkmoth. Garden Tiger. Ghost swift (*Hepialus humuli*), Golden-rod Brindle (*Lithomoia solidaginis*), Grey Chi - dark variety,(*Antitype chi var, olivacea*), Grey Rustic (*Amanthes castanea*). Mallow (*Larentia cervinata*), Manchester Treble-bar (*Carsia paludata*), Orange Sallow (*Tiliacea citrago*),Scotch Argus (*Erebia blandina*). Suspected (*Parastichtis suspecta*), Yellow Underwing. Also Ladybird : (*Thea* 22-*punctata*). [Lepidoptera]. [Coleoptera]. [Odonata]. [Diptera]. [Insects].

1956 Editor. Other Notes on Mammals. The Field Naturalist. **1**, (n.s.), (4), 7-8. [Cat eating wasp grubs. Otter. Porpoise. Red Deer. Stoat].

1956 Editor. Other records of Interest. The Field Naturalist. **1**, (n.s.), (1), 5.

1956 Editor. Some Parasites and their victims. (Bee Lice. Beetles - Oil Beetle (*Meloe proscarabaeus*). Butterflies - Small White. Moths - Silver Y. (*Plusia gamma*). Small Ermine (*Hyponomeuta* s.p). Wasps - *Andrena cineraria*. *Apanteles glomeratus*. *Pteromalus puparum*.). The Field Naturalist.**1**, (n.s), (3), 7-8. [Insects].

1956 Editor. Spiders from Windermere, 1956. [Recent additions to Cumbria Listings]. The Field Naturalist. **2**, (n.s), (1), 5.

1956 Editor. Spring Moths. The Field Naturalist. **1**,(n.s), (2), 8. [Numbers only no species given]. [Lepidoptera] [Insects].

1956 Editor. Status of the Pygmy Shrew. The Field Naturalist. **1**, (n.s), (2), 7. [Also mentions : House Mouse. Long-tailed Field Mouse. Shrews. Yellow-necked Mouse. Voles, and Barn Owls. [Mammals]. [Birds].

1956 Editor. Swarms of Chalcid Wasps (*Pteromalus puparum*) at Penrith. The Field Naturalist. **1**, (n.s), (3), 7. [Hymenoptera]. [Insects].

1956 Editor, The Emergence of Frog-Hoppers. (Mosedale). The Field Naturalist. **1**, (n.s), (5), 6.[Cicadellidae].[Insect].

1956 Editor. The Estuary. (Birds). The Field Naturalist. **1**, (n.s), (6), 4-5.

1956 Editor. The ever changing season. The Field Naturalist. **1**, (n.s), (3), 2-4.

1956 Editor. The Lake. (Birds). The Field Naturalist. **1**, (n.s), (6), 3-4.

1956 Editor. The Salt Marsh. (Birds). The Field Naturalist. **1**, (n.s), (6), 3.

1956 Editor. The weather - the close of a remarkable year. The Field Naturalist. **1**, (n.s). (1), 2-3. [Climate].

1956 Editor. The Winter scene (Birds). The Field Naturalist. 1, (n.s.), (1), 3-4.

1956 Editor. Unusual Sojourners. (Plant Aliens]. The Field Naturalist. **1**, (n.s), (5), 4. [Flora].

1956 Editor. Unusual Sojourners. [Thorow-wax and Purple Toadflax and *Phlomis russelliana*). The Field Naturalist. **1**, (n.s), (5), 4. [Flora].

1956 Editor. Vagrant Birds and temporary sojourners. The Field Naturalist. **1**, (n.s), (6), 8-9.

1956 Editor. Water measurers (*Hydrometra stagnorum*) on Dale Head. The Field Naturalist. **1**, (n.s), (1), 6. [Hemiptera] [Insects].

1956 Editor. Weather - the close of a remarkable year. The Field Naturalist. **1**, (n.s), (1), 2-3. [Climate].

1956 Editor. Winter Plants. The Field Naturalist. **1**, (n.s), (1), 4-5.[Hazel catkins. Medicks - Spotted, Toothed and Bur : *M. arabica, hispida* and *minima*). Gooseberry. Trees :- Ash. Rowan. Scots Pine]. [Flora].

1956 Editor. Woodlands, Pasture and Fellside. (Birds). The Field Naturalist. **1**, (n.s), (6), 5-6.

1957 Editor. A Mild Winter. The Field Naturalist. **2**, (n.s), (2), 14. [Also includes The Spectre of the Brocken - Great Gable). [Climate].

1957 Editor. A mild winter-so far! The Field Naturalist. **2**, (n.s), (1), 2-3. [Climate].

1957 Editor. Aphid infestation. The Field Naturalist. **2**, (n.s.), (6), 64. [Trees affected include : Norway Spruce. Sitka Spruce and Wild Apple]. [Insects] [Trees].

1957 Editor. A Remarkable season. (Plants). The Field Naturalist. **2**, (n.s), (4), 38-39. [Flora]. [*Alchemilla wichurae*. Alpine Bartsia. Bog Sandwort. Coral Root. Dark-red Helleborine.

Dusky Crane's-bill. Dwarf Orchid. Dwarf Willow. Filmy Fern. Fly Orchid. Frog Orchid. Gentian. Herb Christopher. Holly Fern. Melancholy Thistle. Mountain Dryas. Mouse-tail. Pale Toadflax (*Linaria repens*), *Saussurea alpina*. Scottish Ashphodel. *Senecio spathulifolius*. Teesdale Violet.

1957 Editor. Astronomy - A new Comet and The heavens in Spring. The Field Naturalist. **2**, (n.s), 2, 24.

1957 Editor. A swarm of Ladybirds. The Field Naturalist. **2**, (n.s.) (5), 54-55. [7-spot Ladybirds]. [Insects].

1957 Editor. Autumn Lepidoptera. The Field Naturalist. **2**, (n.s), (6), 65-66. [Moths : Barred Carpet (*P. taeniata*). Brindled Ochre (*D. templi*). Ear Moth. (*H. lucens*). Feathered Ranunculus (*E. lichenea*). Galium Carpet (*X. galiata*). Grey Mountain Carpet (*E. caesiata*). Heath Rustic (*A. agathina*). Large Wainscot (*R.lutosa*). Portland Moth. (*A.praecox*). Red Sword-grass (*X. vetusta*). Scarce Dagger (*A. auricoma*). Streak (*C. legatella*). [Insects].

1957 Editor. A Winter Miscellany (Includes : Other notes on Birds, Migration Routes, Winter flock movements, Albinism, Ringing, Status of Buzzards). The Field Naturalist. **2**, (n.s), (1), 8-12. [Raptors].

1957 Editor : Bee-fly (*Bombylius major*) captured at King's Meaburn. The Field Naturalist. **2**, (n.s), (3), 29. [Diptera] [Insects].

1957 Editor. Beetle *Attagenus pellio* at Great Salkeld. The Field Naturalist. **2**, (n.s), (3), 29. [Coleoptera] [Insects].

1957 Editor. Bird Distribution. (Includes : Nesting, Song, Freak plumage, Notes on Bird Behaviour). The Field Naturalist. **2**, (n.s), (3), 34-36. [Birds].

1957 Editor. Bird Movements. (Including Summer Visitors, Passage Migrants, Late stayers, Welcome Residents, Casual Visitors). The Field Naturalist. **2**, (n.s), (3), 31-34. [Birds].

1957 Editor. Birds. (Including : Ebb and flow of Migration, Nesting Records, Unusual Visitors, Miscellaneous Bird Notes). The Field Naturalist. **2**, (n.s), (4), 43-48. [Birds].

1957 Editor. Botanical Notes. (Including : Effects of mild seasons, General Plant distribution, Fungi). The Field Naturalist. **2**, (n.s), (3), 26-28. [Flora]. [**Ferns** : Adder's-tongue. Black Spleenwort. Filmy Fern. Moonwort. **Plants** : Bilberry. *Carex paniculata* - Leighton Moss). Coltsfoot. Dandelion (two-headed). Green-winged Orchid. Holly Fern. Kingcup (*Caltha minor*). Perfoliate Claytonia. Purple Saxifrage. *Scilla italica*. *Senecio vernalis*. Triquetrous Leek. Wood Anemone (Dark pink form). Yellow Star-of-Bethlehem. **Trees** :Black Poplars. Holly Trees. Lime Trees. Sycamore].

1957 Editor. Byozoa of the past. The Field Naturalist. 2, (n.s), (1), 5-6. [Fossils] [Geology].

1957 Editor. Chironomidae. (The), The Field Naturalist. **2**, (n.s), (2), 21-22. [Diptera]. [Insects]. [A contribution by N.L.Birkett].

1957 Editor. Colonisation of Waste Land. (Alien Plants). The Field Naturalist. **2**, (n.s), (4), 39-40. [Flora]. [Cumbrian records includes : Blue-eyed Grass. Purging Flax. Tassel hyacinth. Yellow-horned Poppy].

1957 Editor. Diatoms. The Field Naturalist. **2**, (n.s), (5), 51-52. [Flora].

1957 Editor. Distribution of Winter Visitors. The Field Naturalist. **2**, (n.s), (2), 16-17, [Birds].

1957 Editor. Early Blossoms and Other Botanical Notes. The Field Naturalist. **2**, (n.s), (2), 23-24. [Autumn Lady's Tresses. Butterbur. Cowslips. Cranesbill (*G. robertianum*). Daisies. Dandelions. Dog's Mercury. Fetid Hellebore. Field Gentian. Moschatel. Primroses. Rue-leaved Saxifrage. Spurge Laurel. Winter Heliotrope]. [Flora].

1957 Editor. Fish, Amphibians, Crustaceans and Molluscs. (Includes :- Lamprey, Natterjack Toads, Shrimps -Common (*Crangon vulgaris)* and Pink Shrimp *(Pandalus montagui).* **Sea Shells** : Banded Venus. Golden Carpet. Iceland Cyprina. Large and Small Necklace. Netted Dog-whelk. Pelican's foot. Pod and Sword Razor Shells. Sandgaper. Seven-ribbed

Conelet. Slit, Blue-rayed and Hungarian-Cap Limpets. Smooth Scallop. Spindle Shell. Wentle-trap. The Field Naturalist. **2**, (n.s), (4), 42-43.

1957 Editor. Flies and Beetles. The Field Naturalist. **2**, (n.s), (3), 29. [Includes : "Little fleas have lesser fleas". Non-biting midges. Fungus Gnats at High Altitudes. The Bee-Flies. Beetles. [Agromyzidae. Chalcidoidea. *Liriomyza impatientis. Chrysocharis punctiscapus. Miscogaster elegans. Podonomus elegans.* Mycetophilidae. Bee-flies : Bombylius major. Water Beetle, *Ilybius ater*. Also *Attagenus pellio*].

1957 Editor. Freshwater Life. : A Water Snail. A Parasitic Leech. Toadspawn. (Includes :- Water Snail (*Potamopyrgus jenkinsi*). Leech (*Protoclepsis tesselata*), Frogs. Toadspawn, Natterjack Toads, Frogs and Palamate Newts). The Field Naturalist. **2**, (n.s), (3), 30-31. [Molluscs]. [Amphibians].

1957 Editor. Fruhlings-Rauschen. (Spring birds)The Field Naturalist. **2**, (n.s), (2), 15.

1957 Editor. Fungi : Two records from Wales : *Cordyceps militaris* and *Sarcoscypha coccinea.* From Penrith a colony of St. George's Mushroom (*Tricholoma gambosum*). The Field Naturalist. **2**, (n.s), (3) : 28.

1957 Editor. Fungus Gnats at High altitudes,(Mycetophilidae). Hard Tarn, Helvellyn. The Field Naturalist. **2**,(n.s), (3), 29. [Insects].

1957 Editor. Galls and their occupants. The Field Naturalist. **2**, (n.s), (4), 42. [Insects]. [Marble Galls. Pebble Hook-tip moth. Fruit flies]. [Lepidoptera] [[Diptera].

1957 Editor. Insect Report. (Includes : Lepidoptera (Butterflies and Moths), Greenfly and Wood Ant (*Formica lugubris*), Galls and their Occupants). The Field Naturalist. **2**, (n.s), (4), 41-42.[**Butterflies** : Small Mountain Ringlets - Irton Fell. **Moths** : Clouded Magpies (*Abraxas sylvata*), Death's-head Hawkmoth. Heart and Dart. (*Agrotis exclamationis*), Lilac Beauties (*Apeira syringaria*), Marbled Coronet (*Hadena conspersa*), Poplar Hawks. Sallow Kittens (*Harpyia furcula*). Sharp-angled Peacocks (*Semiothisa alternaria*). Alder flies (*Sialidae*) **Water Boatman** (Corixidae). **Hymenoptera** : Wood ant (*Formica lugubris*) and (*Formica rufa*). [Lepidoptera]. [Diptera]. [Hymenoptera]. [Hemiptera]. [Insects].

1957 Editor. Insect Reports. The Field Naturalist. **2**, (n.s), (5), 54-55. [Moths : Dog's Tooth.(*H. suasa*). Double-Lobed nut (*D. dahlii*). Fen Wainscot. (*A. phragmitidis*). Marbled Beauty (*C. perla*). Netted Carpet Moth (*E. reticulata*). Orange Sallow (*T. citrago*). Pinion-streaked Snout. (*S. costaestrigalis*). Satin Lutestring (*T. fluctuosa*).

1957 Editor. Long Eared Owls in Middle Eden. The Field Naturalist. **2**,(n.s), (5), 58. [Birds].

1957 Editor. Mammals. (Field sightings :- Badger, Bottle-nosed Dolphin, Rabbits, Red Squirrel. Roe Deer, Short-tailed Field Vole). The Field Naturalist. **2**, (n.s), (5), 59-60. [Marine Mammals].

1957 Editor. Mammals and Reptiles. (Field sightings :- Bottle-nosed Dolphin, Fallow Deer, Hedgehog, Pine Marten, Rabbit, Red Deer. Roe Deer, Stoat. Slow Worm). The Field Naturalist. **2**, (n.s), (1), 12.[Also includes some information on Mouse-eared Bats (*Myotis myotis*) on the South Coast of England. [Marine Mammals].

1957 Editor. Mammals and Reptiles. (Field sightings :- Badgers, Bats, Hedgehog, Rabbits, Red Squirrel, Stoats, Frogs). The Field Naturalist. **2**, (n.s), (2), 22-23.

1957 Editor. Mammals and Reptiles. (Field sightings : Bats (Long-eared), Dormouse, Fallow Deer. Fox (Vixens). Grey Seal. Grey Squirrel. Mole Hills. Pigmy Shrew. Rabbits. Red Deer, Red Squirrel, Vixen). The Field Naturalist. **2**, (n.s), (3), 36.

1957 Editor. Mammals. (Field sighting :- Badgers, Cows and Roe Deer). The Field Naturalist. **2**, (n.s), (4), 48.

1957 Editor. Marine and Freshwater life and Molluscs. The Field Naturalist. **2** (n.s). (6), 64-65. There are two non Cumbrian items 1) **Diatoms** from Bolton-by-Bowland and 2). **Portugese**

Man-O'-War. There is a section on **Molluscs** from S.W.Cumberland and Furness Area. Includes :- Cylindrical Pupa Snail (*L.cylindrical*). Garlic Snail (*O. alliaceous*).Tree Snail (*B. perversa*). Two-toothed Door Snail (*C. bidentata*). **Shrimps** : Pink Shrimp (Pandalus). **Fish** : Bass. Codling. Pike. Salmon. Sea-Trout, Tench. Whiting].

1957 Editor. Notes on Insects The Field Naturalist. **2**, (n.s.), (1), 4. (Large White caterpillars (*P. brassicae*). Angleshades Moth (*P. meticulous*). Coelopa Swarms). [Lepidoptera] [Diptera]. [Insects].

1957 Editor. Notes on Mammals. The Field Naturalist. 2, (n.s.) (6), 71-72. Social habits of the Deer. pp71-72. The Rabbit p72. [Also : Grey Seal. Grey Squirrel -Hottersall Hall. Red Deer. Red Squirrel].

1957 Editor. Notes on Particular Birds. (Includes :- Further Bird notes, Winter flocking, Infection of Gulls, Freak Plumage and Ringing). The Field Naturalist. **2**, (n.s), (2), 18-20.

1957 Editor. Notes on Plants. (Includes : Blossoms out of Season, Plant Distribution). The Field Naturalist. **2**,(n.s), (1), 3-4.[Flora]. [Bee Orchid. Crane's-bill (*Geranium purpureum)*. Daisies. Early Whitlow Grass. Greater Perewinkle. Primrose. Royal Fern. Slender Thistle. Spiny rest-harrow].

1957 Editor. Notes on Special Birds. The Field Naturalist. **2**, (n.s), (1), 6-7. [Includes : Golden Eagle. Scops-owl. Lesser Short-toed Lark (Bardsey Island-Wales). The Crossbill Irruption]. [Raptors].

1957 Editor. Other Insect Notes. The Field Naturalist. **2**, (n.s), (6), 66. [Coleoptera : Carabid beetle (*Notiophilus rufipes*). Also *Pterostichus aethiops* and *Zicona caerulea*. Also : Diptera : Stilt-legged Flies (*Calobata sellata*).

1957 Editor. Other Notes on Birds. The Field Naturalist. **2**, (n.s), 10-12. [Includes : Albinism. Dipper Hovering. Infection of Gulls. Migration Routes (Swallows & Martins). Oystercatchers and Cockles. Ringing. Status of the Buzzard. Tree Creepers and their Associates. Winter Flock Movements].

1957 Editor. Out of season activity. (Birds) (Includes :- Late stayers, Anticipation of Spring). The Field Naturalist. **2**, (n.s), (1), 7-8.

1957 Editor. Plant Records : Includes Notes on distribution. Natural regeneration. Abnormal plants. The Field Naturalist. **2**, (n.s.) (6), 63-64. [Species include : Cross-leaved Heath. Field Gentian. *Gentiana verna*. Greater Perewinkle. Jack-in-the-hedge. Ling. Marsh Andromeda. Primroses. Violets. Water Avens. Wild Chervil. Wild Rose. Winter Heliotrope (*Petasites fragrans*).

1957 Editor. Problems of Afforestation. The Field Naturalist. **2**, (n.s), (4), 40-41. [Larch. Norway Spruce]. Scots Firs. [Woodland].

1957 Editor. Some Abnormalities (Plants). The Field Naturalist. **2** (n.s). (5), 54. [Alpine Scurvy grass (*Cochlearia alpina*). Broad-leaved Willowherb. Dogs Mercury (Mercurialis perennis), Field Gentian. Frog Orchid (*Coeloglossum viride*). Laburnum Tree (2nd flowering). Ling. Ragged Robin. Self-heal. Spiny Restharrow. Spring Gentian. Thyme]. [Flora].

1957 Editor. Some Plants of interest and their distribution. (Includes :- Some Abnormalities). The Field Naturalist. **2**, (n.s), (5), 52-53.[Autumn Lady's Tresses (*Spiranthes spiralis*), Bog Orchis (*Hammarbya paludosa*). Buckwheat (*Fagopyrum esculentum*). Dark Mullein (*Verbascum nigrum*). Hairy Hawk bit (*Leontodon leysseri*). Holly Fern (*Polystichum lonchitis*). Ivy Broomrape (*Orobanche hederae*), Lesser Water Plantain (*Baldellia ranunculoides*). Monk's

Rhubarb (*Rumex alpines*). Musk (*Mimulus moschatus*). New Zealand Willow-herb (*Epilobium pendunculare*). North American Loosestrife, (Lysimachia terrestris). Northern Shorewort (Mertensia maritima). Small Teasel (*Dipsacus pilosus*). Tassel Hyacinth (*Muscari comosum*). Unbranched Bur-reed (*Sparganium simplex*), Yellow Sedge (*Carex flava*), and *Carex demissa*). [Flora].

1957 Editor. Species in abundance - Insects. The Field Naturalist. **2** (n.s). (5), 54. [Moth : Clouded Magpie (*A. sylvata*). Also mentions (*Coleophora caespititiella*) - Micro.

1957 Editor. Species in the Making. (Includes :- Rice Grass (*Spartina townsendii*), Primrose (*Primula vulgaris*), Meadow Saxifrage (*S. granulata*), Spearwort (*Ranflammula var. Radicansunculus*). The Field Naturalist. **2**, (n.s), (5), 51-52. [Flora].

1957 Editor. Spiders. The Field Naturalist. **2**, (n.s), (1), 5. [*Araneus scloptarius* Clk]. *Oonops domesticus* de Dalm. *Physocyclus simoni* Berl. *Pholcus phalangioides* Fuess].

1957 Editor. Spiders. The Field Naturalist. **2**, (n.s.), (3), 30. [*Clubiona pallidula* Clk]. [Insects].

1957 Editor. Spring Insects. The Field Naturalist. **2**, (n.s), (3), 28. [**Butterflies** : Brimstone Butterfly. Green Hairstreak. Painted Lady. Red Admirals. **Moths** : Bordered Straw (*H. peltigera*). Brindle Ochre (*D. templi*). Buff Ermine. Hebrew Character (O. gothica). Hummingbird Hawk Moth. Large Marbled Tortrix (*S. revayana*). Scarce Prominent (*O. Carmelita*). [Lepidoptera].

1957 Editor. Status of the Buzzard. The Field Naturalist. **2**, (n.s), (1), 11-12. [Birds] [Raptors].

1957 Editor. Summer Bird Watching (Includes :- Bird Song, Winter Visitors, "Last Dates", The Autumn Passage, Flocking. The Strong Winds, Vagrants, Nesting and Distribution, Late Nesting, Notebook Jottings). The Field Naturalist. **2**, (n.s), (5), 55-57. [Birds].

1957 Editor. The effect of the mild winter on insects. The Field Naturalist. **2**, (n.s), (2) : 20-21. [**Butterflies** : Peacock. **Moths** : *Depressaria applana*, Fox Moth larvae. Pale Brindled Beauties. Small Magpie. (*E. hortulata*), Also (*N. noctuella*). (*P. maculinpennis*), Small Brindled Beauty (*A. hispidaria*). Gnats - *Culex pipiens*]. [Climate]. [Lepidoptera]. [Diptera]. [Insects].

1957 Editor. The Weather and The night sky in summer. The Field Naturalist. **2**, (n.s), (4), 37-38. [Climate].

1957 Editor. The Weather and The evening sky. The Field Naturalist. **2**, (n.s), (3), 25-26. [Climate].

1957 Editor. This Summer's weather. The Second Comet and The Night sky in Autumn. The Field Naturalist. **2**, (n.s), (5),49-50. [Climate].

1957 Editor. Variations in Wild Arums. The Field Naturalist. **2**, (n.s), (4), 41.[*Arum maculatum*]. [Also known as Lords and Ladies]. [Flora].

1957 Editor Water Beetle (*Ilybius ater*) at Cliburn. The Field Naturalist. **2**, (n.s), (3), 29. [Coleoptera] [Insects].

1957 Editor. Weather Notes. The Aurora and The Winter Sky. The Field Naturalist. **2**, (n.s.), (6), 62. [Climate].

1957 Editor Wood Ants in the Duddon Valley. The Field Naturalist. **2**, (n.s), (4). 42. [Insects].

[For further entries to the Field Naturalist please see under the Sub Editors : **N.M.Stalker**. (Plants). **W.F.Davidson**. (Insects). **R.W.Robson**. (Birds). **J.S.Marshall** (Mammals, Fishes etc).]

1958 Author. British Trust for Ornithology. List of Regional representatives of the B.T.O. Bird Study. **5**, (4), December, 228-229. [G.A.K. Hervey listed as representative for Cumbria]. [Birds].

1959 Editor Plants on Helvellyn and in Westmorland. The Field Naturalist. **4**, (n.s), (4), 40. [Flora].

1959 Editor The Migration of Eels. The Field Naturalist. **4**, (n.s), (3), 34-35. [Fish].

1960 Editor Here and There. [Plant Report]. The Field Naturalist. **5**, (n.s), 52-53. [Flora].

1960 Editor The Natural History of Helvellyn. Changing Scene. **2**, 11-14.

1961 Editor More flowers of the sand dunes. [Lakeland estuaries]. The Field Naturalist. **6**, (n.s), (6), 64. [Flora].

1963 A List of Local Societies and their Secretaries. L.D.N.T. Newsletter. 2, November, 18.

1963 A North American Alien : Labrador Tea Plant (*Ledum groenlandicum*). The Field Naturalist. **8** (n.s). (3), 61-62. [Flora].

1963 Conservation : what we have already secured. L.D.N.T. Newsletter. **1**, May, 3-4. (Locations include : Brantwood Estate, Coniston. Meathop Moss. Catcrag Moss, near Grange-over-Sands.

Foulney Island, Barrow in Furness. Walney Island. Brigsteer Wood near Kendal and plans for the future). [Nature Reserves].

1963 Establishment of an Educational Nature Centre at Brantwood. L.D.N.T. Newsletter. 1, May, 3-4.

1963 Formation of the Lake District Naturalist Trust. L.D.N.T. Newsletter. 2, November, 3-4.

1963 Insect Notes. Moths collected at M.V. Lamp at Brantwood, Lake Coniston. June 10th-12th 1963. The Field Naturalist. **8**, (n.s), (3), 59. [Lepidoptera] [Insects].

1963 Mountain Flowers. (**Crags of the Fairfield Range** : Hoary Whitlow-grass (*Draba incana*). Kidney Vetch (*Anthyllis vulneraria*). Mountain Everlasting (*Antennaria dioica*). Northern Bedstraw (*Galium boreale*). *Potentilla crantzii*. Sea Campion (*Silene maritima*). **Crags of Helvellyn** : Alpine Mouse-ear Chickweed (*Cerastium alpinum*). *Salix lapponum*. **The Scafell Ghylls** : (*Alchemilla wichurae*). Filmy Fern (*Hymenophyllum wilsoni*). Moss Campion (*Silene acaulis*). Purple Saxifrage (*Saxifraga oppositifolia*). Stone Bramble (*Rubus saxatilis*). The Field Naturalist. **8**, (n.s), (4), 81. [Flora].

1963 National Nature Week. L.D.N.T. Newsletter. **2**, November, 18.

1963 The Lazonby Sandpit. The Field Naturalist. **8**, (n.s). (4), 82. [Plants include : Basil Thyme. Greater Knapweed. Hare's-foot Clover. Kidney Vetch. Viper's Bugloss]. [Flora].

1963 The Natural History of the Lake District : A Talk to Lancaster and District Bird Watching Society. Delivered 28th October. Published by the Society.]Birds].

1964 Editor : The Life History of a Solitary Bee. (*Andrena fulva*). The Field Naturalist. **9**, (n.s), (2), 29-30. [Hymenoptera]. [Insects].

1964 The Natural History of the Lake District. Lancashire & District Bird-Watching Soc. 5th, Annual Report for the year 1963. 20-25. [Includes : How the Lake Distict was formed. How the L.D. was clothed. How the L.D. was inhabited (Birds & Mammals). How the L.D. was modified by man].

1965 Editor : Plants : A Review of Summer (1965). The Field Naturalist. **10**, (n.s), (3), 55-58. [Flora].

1967 Author : Aynscough, J.G. Canon G.A.K. Hervey: an obituary. The Field Naturalist. **12**, (n.s), (2), 29 plus centre pages.

1967 Author : Vine Hall, J. H. The Lepidoptera collection of Canon G.A.K.Hervey re-housed to Threkald Rectory. The Field Naturalist. **12**, (3), 66-67. [Insects].

1967 A collection of Canon Hervey's Field notebooks and correspondence was deposited with Cumbria Wildlife Trust by his family in an archive box. [Biography].

1969 Author : Barnes, J.A.G. Canon Hervey Memorial Ceremony. 2nd August. 1969. L.D.N.T, Newsletter. **14**, September, 5-6. [Biography].

1969 Author : Hudson, Robert. Memorial to Canon Hervey. British. Birds. **62**, (6), June, 246. [Biography].

1969 Author : S, W.A. Review : Natural History of the Lake District. G.A.K.Hervey and J.A.G. Barnes. Naturalist. (916), Jan-March, 37.

1970 Author : Barnes, J.A.G. Canon Hervey Memorial : Opening of the Reserve on Flodder Allotment, Whitbarrow. Sunday, 14th June, 1970. L.D.N.T. Newsletter. **15**, May, 3. [Biography] [Nature Reserves].

1970 Author : Lake District Naturalists Trust. The Hervey Nature Reserve, Whitbarrow. Guide. [Nature Reserves].

1970 Author : Lind, E.M. Canon Hervey Memorial Reserve Opening. L.D.N.T, Newsletter. **16**, October, 19-20. [Biography].

1970 Author : Lunn, A.G. Canon Hervey Memorial opening of the Reserve on Flodder Allotment, Whitbarrow. Sunday, 14th June. 1970. L.D.N.T, Newsletter. **15**, May, 3. [Biography]. [Nature Reserves].

1970 Author : Miles, H.W. Book Review :- Natural History of the Lake District. Edited by Hervey, Canon G.A.K. and Barnes, J.A.G. L.D.N.T, Newsletter. **15**, May, 24-26.

1970 Author : Stokoe, Ralph. Review :- Natural History of the Lake District. Hervey, G.A.K and Barnes, J.A.G. Warne, 1970. British Birds. **63**, (8), 346-347.

1970 Author : Vine Hall, J.H. Some interesting specimens of Lepidoptera from the Lake Counties in the collection of the late Canon G.A.K. Hervey. Ent. Gaz. **21**, (1), 13-21. [Insects].

1970 Author : W, D.M. (not identified). Canon Hervey's Brain Child. [The Natural History of the Lake District]. Cumbria. **20**, (3), 134. [Biography].

1970 Co-Editor : Barnes, G.A.K. Natural History of the Lake District. Warne. 0 7232 1127 2.

1970 Flowering Plants, Ferns and Mosses. **In :-** Hervey, G A.K. and Barnes, J.A.G. Natural History of

the Lake District. 37-71.Warne. 0 7232 1127. 2.

1987 Author : Birkett, N.L. *Pseudatemelia josephinae* Toll. (Lep.: Oecophoridae) in Cumbria. Ent. Rec. **99**, (9-10), September-October, 231-232. [Reference to G.A.K.Hervey]. [Lepidoptera] [Insects].

1993 Author : Nelson, Dennis. Jottings from the past. [Some memories of Canon G.A.K. Hervey]. Cumbrian Wildlife. **36**, April, 8. [Biography].

1996 Author : Hewitt, Stephen. M. Canon G.A.K. Hervey. Carlisle Natural History Society - the first hundred years. **In :-** Transactions of the Carlisle Natural History Society. **12**, 107-125. [Biography].

2002 Canon G.A.K.Hervey. **In** :- Ratcliffe, D. A. Lakeland - the Wildlife of Cumbria. 40. Harper and Collins. 0 00 711303 x. [Biography].

2009 Author : Broadway, Ian. St Cuthberts Church and Parish, Great Salkeld, Cumbria. A History. Published by Friends of St Cuthberts of Great Salkeld Ltd. [Some information on Canon Aiden Kingsford Hervey, Rector appointed 1946. p79] [Biography].

HESLOP, L.

1975 Recreational use of the northern Pennines (Pennine Way). M.Sc. Dissertation, University of Salford. [Moor House]. [Ecology].

HESLOP-HARRISON, J. W.

1939 Joint Author : Temperley, G W. The Flora of the three Northern Counties (Northumberland, Durham and Cumberland). Including a comprehensive flora listing.Chapter 13, 201-279. **In :-** Headlam, Sir Cuthbert. The Three Northern Counties of England. Northumberland Press, 1939.

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1986 Old Records (Botanical). Birds in Cumbria : Spring 1986. 47-49. Assn. Nat. Hist. Soc in Cumbria. 50. [Carline Thistle. Dusky Cranesbill. Goldilocks. Sand Garlic. Wall Pellitory]. [Flora].

1986 Sub-Editor. Orchid List, 1985. Birds in Cumbria, Spring 1986. 47-49. Assn. Nat. Hist. Soc in Cumbria. [Autumn Lady's Tresses. Bee Orchid. Birds Nest Orchid. Bog Orchid. Common Helleborine. Common Twayblade. Coral-root Orchid. Creeping Lady's Tresses. Dactylorhiza. Dark Red Helleborine. Dune Helleborine. Dwarf Orchid. Early Marsh Orchid. Early Purple Orchid. Fly Orchid. Fragrant Orchid. Frog Orchid. Greater Butterfly Orchid. Green-flowered Helleborine. Green-winged Orchid. Lesser Butterfly Orchid. Lesser Twayblade. Marsh Helleborine. Pyramid Orchid. Small White Orchid]. [Flora].

1986 Sub-Editor. Plant Records : 1985. Birds in Cumbria, Spring,1986. 46-51. Assn. Nat. Hist Soc in Cumbria. [**Barrow Naturalists' Field Club** : Information supplied by Beryl Fisher :- Adders Tongue. Arrow-grass. Bloody Cranesbill. Blotched Monkeyflower. Blue Fleabane. Blue Sowthistle. Corn Marigold. Crow Garlic. Dittander. Dovesfoot cranebill (*G. Molle*). Dusky Cranesbill. Isle of Man Cabbage. Opium Poppy. Pink Purslane. Prostrate White Milkwort. White Star of Bethlehem. **Cumbria Trust for Nature Conservation** : Information Supplied by J. Mashiter (Grubbins Wood Reserve) :- Common Centaury. Square-stalked St. John's Wort. Zigzap Clover. From **Ron Baines (Smardale)** : *Carex capillaris*. Common Wintergreen. Common Gromwell. Figwort. Nodding Meadowgrass. Trees : Spindle. Dogwood. Purging Buckthorn. **Kit Lord (Waitby)** :- Hedge Bedstraw. Lady's Bedstraw and hybrids. Notes from individual correspondents :- Viola canina. White Melilot. Yellow Birdsnest. Yellow Melilot. **Keswick Natural History Society** : Information supplied by Linda Renicke : Alpine Catchfly. Forked Spleenwort. Meadow Saxifrage. Long-leaved Sundew. Oblong-leaved Sundew. [Flora].

1987 Sub-editor : Orchids in Cumbria. Birds in Cumbria, 1986. 47, Assn. Nat. Hist. Soc in Cumbria : Marsh Helleborine. Broad-leaved Helleborine. Dune Helleborine. Dark Red Helleborine Autumn Lady's Tresses. Common Twayblade. Lesser Twayblade. Birdsnest Orchid. Creeping Lady's Tresses. Bog Orchid. Coralroot. Frog Orchid. Fragrant Orchid. Small white Orchid. Great Butterfly Orchid. Lesser Butterfly Orchid. Bee Orchid. Fly Orchid. Green-winged Orchid. Early Purple Orchid. Pyramidal Orchid. Common Spotted Orchid. Heath Spotted Orchid. Northern Marsh Orchid. Hybrids : *Dactylorhiza maculata x purpurella. Dactylorhiza incarnata ssp. pulchella. Orchis ustulata mascula x morio.* [Flora].

1987 Sub- Editor. Plant Report : 1986. Birds in Cumbria : Spring, 1987. 45-48. Assn. Nat. Hist. Soc. in Cumbria. [Records include :- Submitted by **Beryl Fisher** : Adders Tongue. Alternate-leaved Golden Saxifrage. Creamy Butterbur. Deadly Nightshade. Dune Lettuce. Grass of Parnassus. Herb Paris. Limestone Polypody. Melilots. Musk Mallow. New Zealand Willowherb. Ploughman's Spikenard. Sand Leek. Solomon's Seal. Spring Squill. Vipers Burgloss. Welted Thistle. Wild Basil. Wintergreen. Submitted by : **Linda Reinecke** :- Alpine Catchfly. Alpine Lady's Mantle. Alpine Sawwort. Dwarf Willow. Sea Campion. Shrubby Cinquefoil. Submitted by J. Mashiter :- Black Spleenwort. Marsh Woundwort. A Fragrant Comment :- Ploughman's Spikenard (*Inula conyza*). Squinancywort. (*Asperula cyanchica*). [Flora].

1987 The continuing story of *Goodyera repens*, Creeping Lady's Tresses. Birds in Cumbria : Spring, 1987. 48. Assn Nat. Hist. Soc. in Cumbria. [Orchids] [Flora].

1988 Sub-Editor : Plant Report. Birds in Cumbria : 1987. 50-55. **Flora of Cumbria Project.** (Items submitted by Geoffrey Halliday) : Canadian Fleabane. Casual resembling Hog's Fennel. Chaffweed. Chickweed Wintergreen. Cypress Spurge. Dutch Yellow Crocus. Erect-spiked Red Currant. Hairy Rocket. Hornwort. Lamb's ear Campion. Legume from Southern Europe. Long-stalked Pond Weed. Milk Vetch. Mock Orange. Sandwort. Shaster Daisy. Skunk cabbage. Smooth Cat's ear. Soft Rush Hybrid. Tufted Forget-me-not. Umbrella Plant. Wall whitlow-grass. Yellow anemone. [Flora].

1988 Keep your eyes open : Mollucs's (Pea-shell Cockle, Orb-shell Cockle). Birds in Cumbria : Spring 1988. 71. Assn. Nat Hist Soc in Cumbria. [Information supplied by Elisabeth Taylor of Eden Field Club]. [Molluscs].

1988 Sub-Editor. Orchid Report : 1987. Birds in Cumbria : Spring, 1988. 49-50. Assn. Nat. Hist. Soc in Cumbria. [Records include : Autumn Lady's Tresses. Bee Orchid. Bird's nest Orchid. Bog Orchid. Common Helleborine. Common Spotted Orchid. Common Twayblade. Coral-root Orchid. Creeping Lady's Tresses. Dark Red Helleborine. Dune Helleborine. Dwarf Orchid. Early Marsh Orchid. Early Purple Orchid. Fly Orchid. Fragrant Orchid. Frog Orchid. Greater Butterfly Orchid. Green-flowered Helleborine. Green-winged Orchid. Heath Spotted Orchid. Lesser Butterfly Orchid. Lesser Twyblade. Marsh Helleborine. Marsh Orchid. Narrow-leaved Orchid. Narrow-leaved Marsh Orchid. Northern Fen Orchid. Pyramid Orchid. Small White Orchid]. [Flora].

1988 Sub-Editor. Plant Report : 1987. Birds in Cumbria : Spring, 1988. 46-51. Assn. Nat. Hist. Soc. in Cumbria. Plant Reports include : (**Sunbiggin Tarn** - John Atkins) Adders Tongue. Binks. Birds-eye Primrose. Bog Asphodel. Limestone Bedstraw. Marsh Arrowgrass. Marsh Willowherb. Salad Burnet. Wild Thyme. **Eden Field Club** - Verges and Danewort protection. Appleby Location : Creeping Cinquefoil. Avens (*Geum urbana* x *G. rivale*). Perennial Flax. Flax. Greenodd - Corn Marigold. Loss of *Linum usitatissimum*. Location : Stainmore - Alpine Bistort. Birds-eye Primrose. Biting Stonecrop. Frog Orchid. Golden Saxifrage. Goldilocks. Herb Paris. Hoary Whitlow Grass. Horse Radish. Meadow Saxifrage. Moonwort. Moschatel. Mossy Saxifrage. Sea Plantain. Rockrose. Thyme-leaved Speedwell. Twisted Whitlow Grass. Wall Whitlow Grass. Wild Arum. Wall Speedwell. **Lake District Mountains** : Alpine Cinquefoil. Apple Saw-wort. Birds-eye Primrose. Bladderwort. Lesser Mountain Rue. Lesser Twyblade. Moss Campion. Mountain Avens. Mountain Everlasting Mountain Sorrel. Northern Bedstraw. Purple Saxifrage. Rose-root. Starry Saxifrage. Three-flowered Rush. **Arnside, Solway and other locations** : Chaff-weed. Deadly Nightshade. Dyers Greenweed. Field Pennycress. Grass of Parnassus. Himalayan Balsam. Martagon Lily. Meadow Saxifraga. Melancholy Thistle. Petty Whin. Rays Knotgrass. Spiked Speedwell. Toothwort. Water Fern (now gone).White-flowered Daphne. White Star of Bethlehem. Woundwort (Hybrid). Yellow Birds-nest. Yellow Broomrape. Yellow Star of Bethlehem. **West Coast and Barrow**. Alkanet. Black Currant. Bog Rosemary. Corn Marigold. Cowslip. Double-flowered Lady's Smock. Duke of Argyll's Tea Tree. Dusky Cranesbill. Evening Primrose. Everlasting Pea. False Oxslip. Giant Horsetail. Harestail. Henbit. Herb Paris. Lily of the Valley. Loosestrife. *Lysichiton americanum*. Moonwort. Mullien. Oregon Grape. Penny Cress. Prostrate Juniper. Royal Fern. Sand Leek. Sea Beet. Sea Kale. Sea Radish. Tassle Hyacinth. Toothwort. Touch-me-not. Tuberous Comfrey. White Early Purple Orchid. White scented Violet. Yellow Archangel. Yellow Horned Poppy. [Flora].
[Records submitted by : John Atkins. Jonathan Atkins. Beryl Fisher. Michael Foley. Dorothy Hinchcliffe. Bill Jydd. John Mounsey. Mike Porter. Lina Reinecke. Elisabeth Taylor. Charles & Margaret Webb]

1989 Plant Report. Birds in Cumbria. Spring 1989. Assn Nat. Hist. Soc in Cumbria. Reports for 1988. Aliens : Cotoneasters. Dames Violet. False Acacia. Lupins. Medlar. Tassel Hyacinth. **Arnside and surroundings** : Adders Tongue. Beech Fern. Corn Spurry. Herb Paris. Large Hemp-nettle. Limestone Polypody. Meadow Saxifrage. Oak Fern. Sea Lavender. Sweet Briar. Toothwort. Yellow Star of Bethlehem. Trees : Small-leafed Lime. Wild Service Tree. **Cumbrian Coast** : Alder Buckthorn. Birds-eye Primrose. Deadly Nightshade. Dutch Rush. Giant Bellflower. Globe Flower. Greater Horsetail. Horseshoe Vetch. Nodding Bur-marigold. *Osmunda regalis*. Pepper Saxifrage. Rest Harrow (White Form). Sand Leek. Seakale. Sea Spleenwort. Trifid Bur-Marigold. Violas (Five Varieties). White Bryony. **Flora of Cumbria Project** : List of plants submitted by Geoffrey Halliday :- *Anemone ranunculoides. Hypericum x forrestii. Lychnis coronaria. Geranium x magnifcum. Oxalis exilis. Mespilus germanica. Crassula helmsii. Peltiphyllum peltatus. Oenothera novae-scotica. Nyphoides peltata. Myosotis scorpioides x caespitosa. Mentha spicata longifolia. Galeobdolon argentatum. Echinops sphaerocephalus. Hypochaeris glabra. Crepis setosetosa. Carex divulsa. Polystichum setiferm x ac.*

Help : Requests for information from Geoffrey Halliday about : Bog Pimpernel (*Anagalltenella*) and Perennial Flax (*Linum anglicum*). **Kendal and surroundings** : Agrimony. Bog Asphodel. Bogbean. Bog Rosemary. Carline Thistle. Columbine. Globe Flower. Grass of Parnassus. Herb Paris. Hornbeam. Lily of the Valley. Pink Purslane. Ploughman's Spikenard. Ragged Robin. Spindle. Sweet Briar. Travellers Joy. Twayblade. Welsh Poppy. Orchid List : Autumn Ladies Tresses. Bee Orchid. Birds-nest Orchid. Bog Orchid. Common Helleborine. Common Spotted Orchid. Common Twyblade. Coral-root Orchid. Creeping Ladies Tresses. Dark Red Helleborine. Dune Helleborine. Dwarf Orchid. Early Marsh Orchid. Early Purple Orchid. Fly Orchid. Fragrant Orchid. Frog Orchid. Greater Butterfly Orchid. Green-flowered Helleborine. Green-winged Orchid. Heath Spotted Orchid. Lesser Butterfly Orchid. Lesser Twayblade. Marsh Helleborine. Marsh Orchid. Narrow-leaved Helleborine. Narrow-leaved Orchid. Northern Fen Orchid. Pyramid Orchid. Small White Orchid. **North Cumbria, Lowland**. Bladder Campion. Butchers Broom. Chickweed Wintergreen. Clustered Bellflower. Crow Garlic. Dusky Cranebill. Evening Primrose. *Gagea lutea*. Golden Saxifrage. Great Knapweed. Herb Paris. Kidney Vetch. Small Burgloss. Small-fingered Sedge. Toadflax. Toothwort. White Campion. Wild Celery. Yarrow Broomrape. Yellow Archangel. Yellow Star of Bethlehem. **North Cumbria. Pennines** : Alpine Cinquefoil. Alpine Forgetmenot. Birds-eye Primrose. Golden Rod. Grass of Parnassus. Great Sundew. Hoary Whitlow-grass. Marsh Arrowgrass. Mountain Everlasting. Oblonged-leaved Sundew. Pink Purslane. Roseroot. Spring Gentian. Spring Sandwort. Starry Saxifrage. Three-flowered Rush. White-beaked Sedge. Yellow Marsh Saxifrage. **Rise and Fall of Plant Populations :** Basil Thyme. Birdsfoot. Cranberry. Danewort. Fleabane. Heath Cudweed. Lucerne. Narrow-leaved everlasting Pea. Pale Toadflax. Purple Broomrape. Pyramidal Orchid. Spignel Meu. Stagshorn Clubmoss. **Weathering and Flowering** : Goldilocks. Green Hellebore. Stinking Hellebore. Winter Heliotrope. Also mentions the sub-editors possession of a Nature Notebook (1910-1915) by James Sagar of Kirkby Stephen. **Records Submitted by** : Jonathan Atkins. Sheila Cartwright. Roderick Corner. Tim Dean. Beryl Fisher. Mike Foley. Geoffrey Halliday. A.A.Marshall. Judy Naylor. Mike Porter. Anne Riddell. Charles and Margaret Webb. Terry Wells. Audrey Wilson. [Flora].

1991 Enclosure hedges. Sanctuary. **20**. 30. [Trees].

1994 Enclosure Hedges and the Old Apples. Birds in Cumbria : 1993. 86. Cumbria Naturalists Union. [Trees].

1994 Sub-Editor. Plant Report : 1993 Birds in Cumbria 1993. 82-86. Cumbria Naturalists Union. [Flora].
[**Arnside Natural History Society (Mr C. Webb).** Autumn Gentian. Autumn Lady's Tresses. Blue Globe Thistle. Common Centaury. Common Spotted Orchid. Coral Root Bitter Cress. Cowslips. Early Purple Orchids. Field Gentian. Fly Orchids. Goldilocks. Greater Butterfly Orchid. Green Hellebores. Green Winged Orchid. Hazel Trees. Holly Trees. Knotted Hedge Parsley. Ox-eye Daisies. Roast Beef - or Stinking Iris. Rock Sea Lavender. Rose Campion. Spiked Speedwell. Square-Stalked Willow Herb. Stinking Hellebores. Teesdale Violet. Twayblade. Viola Hirta. *V.odorata, V.riviniana*. White Butterbur. Wild Service Trees. Winter Aconites].
Barrow Naturalists Field Club (Mrs B. Fisher) : Butcher's Broom. Common Broomrape. Duke of Argyle's Tea Tree. Isle of Man Cabbage. Martagon Lilly. Orcjids : not identified. Oregon Grape. Skunk Cabbage. Spring Squill. Star of Bethlehem. Tassel Hyacinth.
Carlisle Natural History Society. (see under Author Entry : Geoff Naylor).
Eden Field Club. Alpine cinquefoil. Alpine Forget-me-not. Burnet Saxifrage. Chick-weed Willow Herb. Eyebright. Field Gentian. Field Scabious. Grass of Parnassus. Hairy Stone-crop. Hoary Willow Grass. Knotted Pearlwort. Lady's Bedstraw. Marsh Hawksbeard. Marsh Saxifrage. Marsh Valerian. Meadowsweet. Melancholy Thistle. Mountain Ever-lasting. Northern Bedstraw. Orchids (Various). Pimpernel-leaved willow herb. Roseroot. Rough Hawkbit. Sundew (3 species). Water Avens. Wild Thyme. Wood Anemone. Wood Cranesbill. Zig-zag clover. **Grasses** : Alpine Cats-Tail. Foxtail Glass. **Rushes & Sedges** : Carnation Sedge. Common Sedge. Flea Sedge. Glaucous Sedge. Oval Sedge. Pale Sedge. Pill Sedge. Star Sedge. Tall Bog Sedge. Tawny Sedge. Three-Flowered Rush. Yellow Sedge.
Kendal Natural History Society. Alpine Bartsia. Alpine Bistort. Birds-Eye Primrose. Butterbur (*Petasites albus*). Caraway. Gorse. Grass of Parnassus. Great Lettuce. Herb Paris. Marsh Violet. Orchids (Various). Portland Spurge. Round leaved Wintergreen. Small Fleabane. Thyme-leaved

speedwell. Western Gorse. Winter Heliotrope. Wood Sanicle.
Kendal Support Group : Cumbria Wildlife Trust : Alder. Bog Myrtle. Bog Rosemary. Broad Buckler Fern. Common Polypody. Harts tongue. Maiden-hair Spleenwort. Male Fern. Orchids. Scots Pine. Sessile Oak. Silver Birch. Wall Rue.
Keswick Natural History Society : Alpine Lady's Mantle. Club Mosses - various. Dwarf Willow. Fairy Flax. Fir Club Moss. Golden rod. Green Spleenwort. Hairy Rock Cress. Hairy Thyme. Lesser Spearwort. Mossy Saxifrage. Mountain Sorrel. Northern Bedstraw. Purple Saxifrage. Red Campion. Roseroot. Small Meadow Rue. Spring Sandwort. Starry Saxifrage. Water Avens. Wild Angelica. Wood Anemone. Wood Cranesbill. Yellow Mountain Saxifrage.
Maryport Natural History Society. Adders Tongue Fern. Common Sea Lavender. Orchids. Purple Broomrape. Sanicle. Spurge Laurel.

1997 Anon. Woman who served the community of Eden Valley in many roles. [Dorothy Hinchcliffe]. The Herald. 25th October, 16.

HINCHCLIFFE, Edgar

1979 Foreword. Birds in Cumbria : 1978. 2. Assn Nat. Hist. Soc. in Cumbria.
1980 Foreword. Birds in Cumbria : 1979. 2. Assn. Nat. Hist. Soc. in Cumbria.
1981 Foreword. Birds in Cumbria : 1980. 2. Assn. Nat. Hist. Soc. in Cumbria.
1982 Foreword. Birds in Cumbria publication : a brief outline of its emergence within the County. Birds in Cumbria : Spring,1982. 2. Assn Nat. Hist. Soc in Cumbria.
1983 Foreword. Birds in Cumbria : Spring, 1983. 5. Assn. Nat. Hist. Soc. in Cumbria.
1984 Bees and Lime Tree's. Birds in Cumbria : 1984. 66. Assn. Nat. Hist. Soc. in Cumbria.
1984 Foreword Birds in Cumbria : Spring :1984. 5. Assn. Nat. Hist. Soc. in Cumbria.
1984 Joint Author : Hinchcliffe, D. Bees. (Fatalities and Lime Tree Blossom). Birds in Cumbria : Spring, 1984. 66. Assn. Nat. Hist. Soc. in Cumbria.
1984 Joint Author : Beetles (*Phyllodecta vitellinae*). Birds in Cumbria : Spring, 1984. 66-67. Assn. Nat. Hist. Soc. in Cumbria.
1984 Leaf Beetle (*Phyllodecta vitellinae*). Birds in Cumbria : 1984. 66-67. Assn. Nat. Hist. Soc. in Cumbria.
1985 Foreword. Birds in Cumbria : Spring 1985. 4. Assn. Nat. Hist. Soc. in Cumbria.
1986 Anon. Edgar Hinchcliffe : an obituary. Birds in Cumbria : 1986. 63. Association of Nat. Hist Soc in Cumbria.
1997 Author : Anon. Dorothy Hinchcliffe - Woman who served the community of Eden Valley in many roles. The Herald. 25th Oct. 16. [Obituary].

HINCKS, W. D.

1935 Ephemeroptera in the Lake District. Soc. Brit. Ent. J. **1**, (3), 74-75. [Insects].
1935 Joint Author : Dibb, J.R. Preliminary note on a probable to the British List of Ephemeroptera. J. Soc. Brit. Ent. **1** : 75-76. [Insects].
1936 Chironomidae (Diptera) from Grisedale Tarn, Westmorland. Soc. Brit. Ent. J. **1**, (6), 151-153. [Insects].
1945 Nomenclature notes on some parasitic Hymenoptera (Ichneumonidae and Eulophidae). Entomologist. **78** : 89-91. [Insects].
1950 Notes on some British Mymaridae (Hym). Trans. Soc. Brit. Ent. **10**, (4), October, 167-207. [Records for Cumberland and Westmorland]. [Insects].
1954 Harry Britten : an obituary. Journal of the Society for British Entomology. **4**, (1), 225-228.
1959 Some additions to the British Mymaridae (Hym., Chalcidoidea). Ent. mon.Mag. **95**, September, 210-26. [Includes specimens captured by H. Britten, at Skirwith, Cumberland]. [Insects].
1959 Additions to the insect records of Lancashire and Cheshire Fauna Committee. 31st Report and Reports of the recorders for 1957-58. 77-85. [Numerous records for Brathay]. [Insects].
1975 Joint Authors : Kloet, G.S. & Hincks, W.D. A check list of British insects. 2nd edition. Part 5 : Diptera and Siphonaptera. Handbk Ident. Br. Insects. **11**, 139. [Insects].

HIND, Chris.

2008 Field Trip to Foulney Island. Cumbria Bird Club, Bird News. **19**, (2), Summer, 42. [Birds].
2009 International Gulls Meeting. Aberdeen, 2009. Cumbria Bird Club. Bird News. **20**, (3), Autumn, 65-67. [Birds].
2010 Seawatch SW 2009. Cumbria Bird Club, Bird News. **21**, (1) : Spring, 16-18. [Cornwall]. [Birds].
2013 Systematic List : Birds of Prey. Birds and Wildlife in Cumbria, 2012. A County Natural History

Report. pp 69-78. Cumbria Naturalists Union. [Species listed : Honey Buzzard. Marsh Harrier. Red Kite. Hen Harrier. Goshawk. Sparrowhawk. Buzzard. Rough-legged Buzzard. Golden Eagle. Osprey. Kestrel. Merlin. Hobby. Peregrine.]

HINDE, A.

1963 Joint Authors : Williams, B.R.H., Perkins, E.J. Some preliminary results of an investigation of the food of fish in the Solway. Trans. Dumfr. Gall. Nat. Hist. Soc. **40**, 60-74. [Coast & Estuaries] [Marine].

1964 Joint Authors : Perkins, E.J., Williams, B.R.H. & **Hinde, A**. The Biology of the Solway Firth in relation to the movement and accumulation of radioactivity materials. Vol 12. Laboratory Investigations. P.G. Report No 578. U.K. Atomic Energy Authority.

HINDE, J. D.

1978 "Plant Record 646/1. *Acorus calamus* L. V.C. 70. Cumberland : Brigham, Cockermouth. G.R. 35/08.31. J.D.Hind., 1949 field record. 1977 specimen **herb** R.S." Watsonia. **12**, (2), August, 178. 1978." [See Also : Stokoe, Ralph. 1978]. [Flora].

HINDE, John Hodson.

n.d. Collection of 200 sheets of Cumberland plants. Donated to Tullie House Museum, Carlisle. Department of Natural Sciences Herbarium. [Flora].

HINDE, R. A.

1938 Early Fieldfare in Cumberland. British Birds. **32**, 279. [Location : Langdale. 15th August, 1937].

HINDLE, David.

2007 Joint Author : Wilson, John. Bird watching walks around Morecambe Bay. Palatine Books. [Birds] [Coast & Estuaries].

2010 Joint Author : Wilson, John. Birdwatching walks in the Lake District. Palatine Books. 978 1 874181 67 5. [Birds].

2010 Author : Matthews, Steve. Walking with wildlife : A Review of Birdwatching walks in the Lake District by David Hindle and John Wilson. Palatine Books. Cumberland News. 10th September, p32. [Birds].

HINDLE, Joan.

2005 Hawkeshead South Cumbria. Field Meeting : 3rd September, 2005. Brit. Pter. Soc. Bull. **6**, (4), 306-307. [Ferns].

HINDMARSH, Ken.

1988 Foulney Island Reserve. C.T.N.C, Newsletter. **22**, (n.s), August, 8. [Birds].

1996 [Rare] Bird of the Day. [A Cumbrian list to celebrate the publication of Rare Birds - day by day]. Cumbria Bird Club, Bird News. **7**, (3), 66-68.

1997 Foulney Stringers? [Features a quote from F.S. Mitchell - The Birds of Lancashire. 1892]. Cumbria Bird Club, Bird News. **8**, (1), 7.

2005 Commercial bird netting on our estuaries. Cumbria Bird Club, Bird News. **16**, (3), 66-67. [Birds].

2005 Joint Author : Fowler, Jim. Walney Ringers on Bardsea Island. Cumbria Bird Club, Bird News. **16**, (3), 64. [Birds].

2006 Albino Nuthatch chicks at Roudsea Wood N.N.R. Cumbria Bird Club, Bird News. **17**, (2), 39. [Birds].

2006 Duddon and Roudsea - nest box contents. Bird News, Cumbria Bird Club. **17** (4), 98. [Birds].

2006 Joint Author : Fowler, Jim Cumbria Birders down under. Cumbria Bird Club, Bird News. **17**, (4),105-106.[Birds]. [Australia].

2006 Sand Martin bank at South Walney. Cumbria Bird Club, Bird News. **17**, (1), 21.[Birds].

2009 Four Cumbrian ringers suffer for their art. Cumbria Bird Club. Bird News. **20**, (4), Winter, 106. [Location : Isle of May. Species recorded included Yellow Browed Warbler and early Brambling]. [Birds].

2009 Twite longevity record. Cumbria Bird Club. Bird News. **20**, (3), Autumn, 69. [Birds].

2010 Cavendish Dock : a unique environment. Cumbria Bird Club. Bird News. **21**, (4),Winter, 103. [Birds]. [Coast & Estuaries].

2010 *Dendrocopus piraticus* ! Cumbria Bird Club. Bird News. **21**, (4) ,Winter, 105. [Great Spotted Woodpecker]. [Birds].

2010 The Isle of May pilgrimage. Cumbria Bird Club. Bird News. 21, (4),Winter, 104. [Bird Ringing - includes 3 Great Grey Shrikes]. [Birds].

HIPKIN, Charles R.

2009 Joint Author : Facey, Paul D. Biological flora of the British Isles : *Coincya monensis* (L.) Greuter & Burdet ssp. monensis (*Rhyncosinapis monensis* (L.) Dandy ex A.R.Clapham) and ssp. Cheiranthos (Villi) Aedo, Laedley & Munoz, Garm (*Rhyncosinapis cheiranthos* (Vill.) Dandy). Jnl Ecol. **97**, (5), September, 1101 - 1116. [Includes Cumbrian Coast].

HIRST, B.

1988 Ash Landing Reserve. (Far Sawrey). C.T.N.C, Newsletter. **22**, (n.s), August, 7. [Nature Reserves].

1989 Ash Landing Reserve. (Far Sawrey). Cumbrian Wildlife. **25**, (n.s), September, 9. [Nature Reserves].

1990 Ash Landing Reserve. (Far Sawrey. Cumbrian Wildlife. **28**, (n.s), August, 2. [Nature Reserves].

HIRST, Nick.

2003 Gardens of Eden. Conserving Lakeland. **40**, Winter/Spring, 11-12. [Restoring Cumbria's Orchards]. [Trees].

HISKETT, J.

1981 Joint Author : Hiskett, L. Rockcliffe Reserve. C.N.T, Newsletter. **37**, March, 29. [Nature Reserves].

HISKETT, L.

1981 Joint Author : Hiskett, J. Rockcliffe Reserve. C.N.T, Newsletter. **37**, March. 29. [Nature Reserves].

HISLOP, Max.

1999 Joint Authors : Gardiner, Barry., Palmer, Harriet, Bailey, Russell. The value of shelter woods on farms in Cumbria : A report for Cumbria Broadleaves. [Woodland]. [Trees].

HISSETT, R.

1970 The bacterial populations of leaf litter and soil in a deciduous woodland. Ph. D. Thesis. University of Liverpool. [Meathop Wood, Cumbria].

1973 Joint Author : Gray, T.R.G. Bacterial populations of litter and soil in a deciduous woodland. 1. Qualitative studies. Rev. Ecol. Biol. (Sol ?). **10**, 495-508. [Meathop Wood, Cumbria].

1976 Joint Author : Gray, T.R.G. Microsites and time changes in soil microbe ecology. **In :-** The role of terrestrial and aquatic ecosystems in decompositioin processes. Eds : Anderson, J.M. & A. MacFadyen. 22-39. Blackwell Scientific. [Meathop Wood, Cumbria].

HISTED, Lucy.

2009 Editor ;- Introducing our President, Lord Inglewood. Cumbrian Wildlife. **85**, September, 8. [Biography].

2009 Editorial :- Protecting the North West Coastline and seas : the new Marine Advocacy Officer role. Cumbrian Wildlife. **85**, September, 5. Coast]. [Coast & Estuaries].

2010 What's yellow and wild about Winter ? Nature Watch with Cumbria Wildlife Trust. Cumberland News, Life Supplement. 5th, February, 56. [Wild Daffodils in Cumbria]. [Flora].

HITCH, C. J. B.

2003 Author : Seaward, M.R.D. Lichen herbarium at the Manchester Museum : 1 Collectors. Naturalist. **128**, (1045), April-June, 41-47. [Reference to C.J.B Hitch, Westmorland]. [Lichens].

HOARE, Dan.

2005 The Pearl-bordered Fritillary. Butterfly. **90**, Autumn, 23-25. [Includes : a good sites list including Arnside Knott]. [Lepidoptera] [Insects].

HOBBS, R. J.

1975 Postfire succession in Calluna-dominated communities. Moor House. Field Station. 19th, Annual Report. p24. [Flora] [Ecology]. [Moorland & Upland].

1979 Joint Author: Rawes, M. Management of semi-natural blanket-bog in the Northern Pennines. J. Ecol. **67**,(3), November,789-807. [Ecology]. [Moorland & Upland].

1980 Joint Author : Gimingham, C.H. Some effects of fire and grazing on heath vegetation. Proc. Colloque sur l'Ecologie des landes. Rennes.

1981 Post-fire succession in heathland communities. Moor House. Annual Report, 1981.11.

HOBBS, Richard.

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1892 *Hadena satura* . Entomologist. **25**, (344), January, 16.
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1893 *Ocneria dispar*. Entomologist. **26**, (356), January, 20.
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64-65.

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1894 *Nemophora pilella*. Entomologist. **27**, 369, February, 65.

1894 *Nepticula tormentillella*? Entomologist. **27**, (374), July, 219. [Location : Windermere].

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1894 *Stigmonata ravulana* and other specimens in Lancashire. Entomologist. **27**, (374), July, 221. [Location : Grange-over-Sands].

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1974 Joint Author : Hancock, E.F. Lepidoptera of the Furness Area. Natural History in Cumbria.1973. 37. Assn. Nat. Hist. Soc. in Cumbria. [Reports : **Butterflies** : Gatekeeper. Large Heath. Painted Lady. **Moths** : Common Ear. Juniper Carpet. Large Ear. Lesser Yellow Underwing. Northern Rustic. Small Seraphim. Vestal. White Colon]. [Lepidoptera]. [Insects].

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1975 Joint Author : Hancock, E.F. Lepidoptera. **In :-** Allen, S.E. ed. Natural History of the district around Grange-over-Sands, Natural History Society. pp 42-44. [Insects].

1976 Joint Author : Hancock, E.F. Grange Lepidoptera Report. 1975. Natural History in Cumbria. 1975-76. p76-77. Assn. of Cumbria Nat. Hist. Soc. [**Butterflies** : Common Blue. Dark Green Fritillary. Dingy Skipper. Holly Blue. Painted Lady. Red Admiral. **Moths** : Cistus Forester. Dark Tussock. Dotted Rustic. Dusky-lemon Sallow. Heart and Club. Humming-Bird Hawk Moth. Juniper Carpet. Least Minor. Least Yellow Underwing. Plain Wave. Satin Wave. Saxon. Shore Wainscot. Shoulder-striped Wainscot. Waved Carpet. White Satin. Yellow Barred Brindle. Also Tortricid Moth : *Cochylidia implicitana*. [Insects].

1980 Joint Author : Hancock, E.F. *Zygaena ionicerae* (Scheven) (Lepidoptera : Zygaenidae) in Cumbria. Ent. Gaz. **31**, 92. [Insects].

1980 Sub-Editor. Insect Report : 1979. Birds in Cumbria : 1979. 55-61. Assn. Nat. Hist. Soc. in Cumbria. [**Butterflies** : Brimstone. Dark Green Fritillary. Duke of Burgundy Fritillary. High Brown Fritillary. Holly Blue. Large Heath. Large Skipper. Marsh Fritillary. Meadow Brown. Mountain Ringlet. Orange Tip. Painted Lady. Peacock. Purple Hairstreak. Red Admiral. Small Pearl-bordered Fritillary. Small Blue. Small Copper. Small Skipper. Small Tortoiseshell. **Moths** : Bedstraw Hawk-moth. Blomer's Rivulet. Blood-vein. Cloaked Pug. Convolvulus Hawk-moth.

Currant Clearwing. Diamond-back. Haworth's Pug. Heath Rivulet. Humming-bird Hawk-moth. Lunar Underwing - a date erratum regarding this record in Birds of Cumbria,1978. Marsh Pug. Mullein. Nutmeg. Narrow-bordered Five-spot Burnet. Pearly Underwing. Pretty Pinion. Rush Veneer. Scarlet Tiger. Slender Brindle. Square-spotted Clay. Svensson's Copper Underwing. **Crickets** : Bog Bush Cricket. Great Green Cricket. **Dragonflies** : Common Aeshna. Golden-ringed Dragonfly. Large Red Damselfly. White-faced Dragonfly. **Also** : Giant Horse-fly (*Tabanus sudeticus*) and Glow-worm (*Lampyris noctiluca* Linn). [Lepidoptera] [Odonata]. [Insects].

1980 *Zygaena lonicerae* (Scheven) (Lepidoptera : Zygaenidae) in Cumbria. Ent. Gaz. **31**, (2), May, 92. [Location : Ulverston]. [Insects].

1981 Sub-Editor. Insect Report : 1980. [Birds in Cumbria : 1980. 49-55. Assn. Nat. Hist. Soc. in Cumbria. [**Hemiptera (Eskmeals Reserve).** *Halosalda lateralis* Fall. *Heterogaster artemisiae* Schi. *Neides tipularius* Linn. **Migrant Lepidoptera** : Butterflies : Clouded Yellow. Milkweed (Monarch). Painted Lady ("Spectacular migration"). Red Admiral. **Moths** : Diamond-back. Hummingbird Hawk-moth. Rush Veneer. Rusty Dot. Silver Y. Three moth records have been listed under Coleoptera they are as follows : Narrow-bordered Five-spot Burnet. Shaded Pug. Sloe Pug. **National Trust Biological Survey - July - September, 1980**. August Thorn. Beautiful Carpet. Dark Swordgrass. Herald. Lilac Beauty. Mountain Ringlet. Netted Carpet. Oak Hooktip. Satin Lutestring. Slender Brindle. Spruce Carpet..
Other Lepidoptera Records : **Butterflies** : Duke of Burgundy Fritillary. Gatekeeper. Holly Blue. Marsh fritillary. Orange-tip. Ringlet. Small Pearl-bordered fritillary. **Other Orders** : **Coleoptera** : *Bembidion bipunctatum* Linn. *Bembidion laterale* Sam. *Bledium unicornis* Germ and *Bledium spectabilis* Kr. *Carabus nemoralis* O.F.Muller. *Ceutohynchus hirtiluca* Germar. *Elaphrus riparius* Linn. *Lampyris noctiluca* Linn. *Synuchus nivalis* Panzer. **Moths** : Crinan Rustic. Northern Rustic). **Odonata** : *Aeshna grandis* Linn. *Calopteryx virgo* Linn. *Coenagrion puella* Linn. *Cordulegaster boltonii* Donovan. *Enallagma cyathigerum* Charpentier. *Ischnura elegans* Van der Linden. *Lestes sponsa* Hansemann. *Libellula quadrimaculata* Linn. *Pyrrhosoma nymphula* Sulzer. *Sympetrum striolatum* Charpentier.

1981 Sub-Editor. Statistics on Macro-moths captured by Mr Briggs at Beetham, 1980. Birds in Cumbria : 1980, 54, Assn Nat. Hist. Soc. in Cumbria. [Insects].

1982 *Danaus plexippus* L : the Monarch in Wales and Cumberland in 1981. Ent. Rec. **94**, (1-2), January-February, 37. [Location : Sellafield]. [Lepidoptera] [Insects].

1982 Sub-Editor. Insect Report : 1981. Birds in Cumbria : Spring, 1982. 49-53. Assn .Nat. Hist. Soc. In Cumbria. [**Butterflies** : Brimstone. Clouded Yellow (Leighton Moss Reserve). Duke of Burgundy Fritillary. Green Hairstreak. Green-veined White. Holly Blue. Large Skipper. Large White. Monarch (Also known as Milkweed). Mountain Ringlet. Orange Tip. Painted Lady. Pearl Bordered Fritillary. Red Admiral. Ringlet. Scotch Argus. Small Copper. Small Tortoiseshell. Small White. Wall Brown. **Moths** : Edinburgh Pug. Narrow-bordered Five-spot Burnet. Pimpinel Pug. Rush Veneer. Rusty Dot. Satyr Pug. Scarlet Tiger. Silver Y. Toadflax Pug. Dragonflies : *Aeshna cyanea* (Muller). *Aeshna grandis* (Linn.) *Aeshna juncea* (Linn). *Calopteryx virgo* (Linn.) *Ischnura elegans* (Van der Linden). *Lestes sponsa* (Hansemann). *Orthetrum coerulescens* (Fabricius). *Sympetrum danae* (Sulzer). *Sympetrum striolatum* (Charpentier)]. [Lepidoptera]. [Lepidoptera] [Odonata]. [Insects].

1983 Sub-Editor. Insect Report : 1982. Birds in Cumbria : Spring, 1983. 56-62. Assn. Nat. Hist. Soc. in Cumbria. [**Butterflies** : Brimstone. Clouded Yellow. Common Blue. Dark Green Fritillary. Duke of Burgundy Fritillary. Gatekeeper. Green Hairstreak. Green-veined White. Grayling. High Brown Fritillary. Holly Blue. Large Heath. Marsh Fritillary. Meadow Brown. Mountain Ringlet. Painted Lady. Red Admiral. Scotch Argus. Small Blue (Nil Report). Small Pearl-Bordered Fritillary. Small Tortoiseshell. Speckled Wood. **Coleoptera** see R.W.J.Read 1983. **Hymenoptera** : *Cimbex fermoratus*. *Phymatocera aterrima*. *Uroceras gigas*. **Moths** : Bedstraw Hawk-moth. Brindle Green. Brindle Ochre. Convolvulus Hawk-moth. Deaths-head Hawk-moth. Great Brocade. Humming-bird Hawk-moth. Large Red-belted Clearwing. Middle-barred Minor (Nil Report). Mullein. Narrow-bordered Five-spot Burnet. Orange Swift. Slender Pug. Small Grass Emerald. The Miller. The Streak. Toadflax Pug. Vestal. White Marked. **Odonata** : *Aeshna juncea*. *Calopteryx virgo*. *Cordulegaster boltonii* (Donovan). *Lestes sponsa. Pyrrhosoma nymphula*]. [Insects].

1984 Scots Pine as a food plant of *Micropterix thunbergella* F. (Lep : Micropterigidae) Moths. Ent. Rec. **96**, 3-4, March-April, 70. [Trees]. [Insects].

1984 Sub-Editor. Discovery of Oak Bush Cricket in North Lancashire, 1981. Birds in Cumbria, 1984. Assn. Nat. Hist. Soc. in Cumbria. [Orthoptera]. [Insects].

1984 Sub-Editor. Insect Report : 1983. Birds in Cumbria : Spring, 1984. 61-67. Association of Nat Hist. Soc in Cumbria. [**Butterflies** : Clouded Yellow, large invasion. Common Blue. Dark Green Fritillary. Duke of Burgundy Fritillary. Gatekeeper. Grayling. High Brown Fritillary. Holly Blue. Meadow Brown. Mountain Ringlet (Nil Report). Orange Tip. Painted Lady. Purple Hairstreak. Red Admiral. Scotch Argus. Small Blue. Small Pearl-bordered Fritillary. Speckled Wood (Nil Report). Wall Brown. White-letter Hairstreak. **Moths** : Antler Moth (Outbreak). Convolvulus Hawk-moth. Figure of Eighty. Golden Rod Brindle. Humming-bird Hawk-moth. Least Yellow Underwing. Light Knot Grass. Mullein Moth. Narrow-bordered Five-spot Burnet. Pimpinel Pug. Pyralid (*Donacaula mucronellus* (D&S). Red-necked Footman. Red-tipped Clearwing. Scarlet Tiger. Shuttle-shaped Dart. Silver Y. Slender Brindle. The Seraphim. *Trifurcula immundella*. Vestal. Welsh Wave. White Satin**. Ants** : Wood Ants (Grubbins Wood Reserve). **Crickets and Grasshoppers** :- Oak Bush Cricket (*Meconema thalassinum*). **Dragonflies** : A list of Dragonflies known to occur in Cumbria is printed based on lists published in Carlisle NHS authored by F.H.Day and G.B.Routledge (1933). In addition *Calopteryx splendens* (now *Agrion splendens*) and *Aeshna grandis*. One record of migrant *Sympetrum flaveolum*]. [Lepidoptera] [Orthoptera]. [Odonata]. [Hymenoptera]. [Insects].

1984 The Clouded Yellow (*Colias croceus* Geoffr) in Cumbria. Birds in Cumbria : Spring, 1984. 69-70. Assn. Nat. Hist. Soc. in Cumbria. [Lepidoptera]. [Insects].

1985 Joint Author : Hancock, E.F. List of 'Macro' moths recorded in the Furness and Cartmel Districts of South Cumbria, 1960-1984. Birds in Cumbria : Spring, 1985. 65-71 Assn. Nat. Hist. Soc. in Cumbria. [Lepidoptera] [Insects].

1985 Sub-Editor. Insect Report : 1984. Birds in Cumbria : 1985. 58-61. Assn. Nat. Hist. Soc. in Cumbria. **Butterflies** : Clouded Yellow. Duke of Burgundy Fritillary. Gatekeeper. High Brown Fritillary. Large White. Mountain Ringlet (One report, Sickle Tarn). Painted Lady. Purple Hairstreak. Red Admiral. Small Blue. Wall Brown. **Moths** : *Agrotis puta*. Angle-striped Sallow. *Atolmis rubricollis* Bordered Pug. Common Footman. Convolvulus Hawk-moth. Double lobed. Dusky-lemon Sallow. *Euxoa tritici*. Four-spotted Footman. Frosted Orange. Grass Wave. Humming-bird Hawk-moth. Lunar Underwing. Narrow-bordered Five-spot Burnet. Netted Carpet. Obscure Wainscot. Pinion-streaked Snout. Scarce Footman. Shuttle-shaped Dart. Silky Wainscot. Small Eggar. The Vestal. White-line Dart. **Beetles** : *Calosoma inquisitor*. *Geotrupes vernalis*. *Sinodendron cylindricum*. **Dragonflies** : *Aeshna grandis. E. cyathigerum. P. nymphula. I. elegans. L. sponsa. L. quadrimaculata. S. danae. S. striolatum.* **Hoverflies** *: Arctiphila fulva (Harris).* [Lepidoptera] [Coleoptera]. [Odonata] [Diptera]. [Insects].

1986 Sub-Editor. Insect Report : 1985. Birds in Cumbria, Spring, 1986. 52-56. Assn. Nat. Hist. Soc in Cumbria. [**Butterflies** :- Brown Argus. Clouded Yellow. Common Blue. Duke of Burgundy Fritillary. Gatekeeper. Holly Blue. Meadow Brown. Mountain Ringlet. Orange Tip. Painted Lady. Red Admiral. Small Blue. Small Tortoiseshell,(40-hibernating). Speckled Wood. **Moths**. Common Rustic. Convolvulus Hawk Moth. Crescent Dart. Four-spotted Footman. Lesser Common Rustic. Lesser Cream Wave. Narrow-bordered Five-spot Burnet. Oak Nycteoline. Peppered Moth. Scarce Footman. Silky Wainscot. Slender Brindle. Small Mottled Willow. Striped Hawk Moth. Vestal Moth. White Satin. Wood Carpet. Erratum : (August Thorn previously reported now thought to be September Thorn). **Dragonflies** : *Aeshna cyanea. Aeshna grandis. Aeshna juncea. Calopteryx splendens. Calopteryx virgo. Coenagrion puella. Cordulegaster boltonii. Enallagma cyanthigerum. Ischnura elegans. Lestes sponsa. Leucorrinhia dubia. Libullela quadrimaculata. Pyrrhosoma nymphula. Sympetrum danea. Sympetrum striolatum.* **Sawflies** (Note from D.J.Clarke. Hawthorne Sawfly - *Trichiosoma tibiale*). [Lepidoptera] [Odonata]. [Diptera]. [Insects].

1987 Sub-Editor. Insect Report : 1986. Birds in Cumbria : Spring,1987. 49-54. Association of Nat. Hist. Soc. in Cumbria. [Records Include : **Butterflies**. "worst Butterfly year on record" Brimstone. Brown Argus. Clouded Yellow. Common Blue. Gatekeeper. High Brown. Holly Blue. Large Heath. Large Skipper. Large White. Meadow Brown. Mountain Ringlet. Orange Tip. Painted

Lady. Peacock. Pearl-bordered Fritillary. Purple Hairstreak. Red Admiral. Small Blue. Small Heath. Small Tortoiseshell. Speckled Wood.
Moths :- Convolvulus Hawkmoth. Copper Underwing. Edinburgh Pug. Four spotted Footman. Goat moth. Humming-bird Hawkmoth. Juniper Carpet. Mallow. Pale Eggar. Pale November Moth. Satin Lutestring. Shuttle-shaped Dart. Silky wainscot. Small Mottled Willow. Southern Wainscot. Tawny Pinion. Turnip Moth. Also :- The Pyralid, *Orthopygia glaucinalis*. Micro- *Exaeretia ciniflonella*. Scopariinae Group : *Eudonia lineola*.
Dragonflies : - *Aeshna grandis*. *Calopteryx boltonii*. *Calopteryx virgo*. *Coenagrion pulchellum*. Additions to the BRC Maps as follows :- *Coenagriun puella. Enallagma cyathigerum. Pyrrhosoma nymphula. Ishnura elegans. Lestes sponsa. Calopteryx virgo. Aeshna cyanea. Aeshna grandis. Aeshna juncea. Cirdulegaster boltonii. Libellula quadrimaculata.*
Other Insects : Wasps - Norwegian *Wasp (Dolichlovespula sylvestris).* [Lepidoptera]. [Odonata]. [Hymenoptera]. [Insects].

1988 Sub-Editor. Insect Report : 1987. Birds in Cumbria : Spring,1988. 56-61. Association of Nat. Hist. Soc. in Cumbria. **Butterflies** : Brown Argus. Clouded Yellow (Nil). Common Blue. Dark Green Fritillary. Dingy Skipper. Duke of Burgundy. Grayling. Green-veined White. High Brown Fritillary. Large Skipper. Marsh Fritillary. Mountain Ringlet (Nil report). Orange Tip. Painted Ladies (x2). Peacock (Scarcity). Red Admirals. Ringlet. Small Blue. Small Copper. Small Pearl-bordered Fritillary. Small Tortoiseshell. Wall Brown. **Moths** : Bedstraw Hawk-moth. Beech green carpet. Convolvulus Hawk-moth. Five-spot Burnet. Humming-bird Hawk-moth. Lunar Hornet Moth. Northern Deep-brown Dart. Peppered Moth. Red Underwing. Rufous Minor. Satin Wave. Six-spot Burnet. Slender Pug. Small Bloodvein. Southern Wainscot. Vestal. **Micros** : *Aethes francillana. Leucoptera scitella. Elachista atricomella. Agonopterix alstromeriana*. **Beetles** :- Oil Beetle (*Meloe violaceus*). **Dragonflies** : Southern Hawker. [Lepidoptera]. [Coleoptera] [Odonata]. [Insects].

1989 Sub-Editor. Insect Report : 1988. Birds in Cumbria : Spring,1989. 77-78. Association of Nat. Hist Soc. in Cumbria. **Butterfly records** include :- Brimstone. Common Blue. Meadow Brown. Mountain Ringlet. Painted Lady (Reports in February!). Peacocks. Red Admiral. Small Blue. Small Tortoiseshell. Wall Brown. **Moths** :- Records include : Five spot Burnet. Rufous Minor. Six-spot Burnet. **Microlepidoptera records** in 1988 (E.F.Hancock). 231 *Monopis imella*. 435 *Zelleria Hepariella* . **Dragonflies** : "Very few records" Brown Hawker (*Aeshna grandis*) [Lepidoptera] [Odonata]. [Insects].

1990 Sub-Editor. Insect Report : 1989. Birds in Cumbria : Spring,1990. 88-91. Cumbria Naturalists Union. [**Butterflies** : Brown Argus. Clouded Yellow "largest migration since 1983", also variation *Helice*. Camberwell Beauty (Possible). Comma (Single sighting). Common Blue (Approx 1000 at S.Walney). Grayling. Large White. Mountain Ringlet (One sighting only). Painted Lady. Purple Hairstreak. Scotch Argos. Small Blue. Small Pearl-Bordered Fritillary. Small Tortoiseshell. Small White. Speckled Wood. Wall Brown. **Moths :** Broom Moth. Bulrush Wainscot. Convolvulus Hawk-moth. Crescent Dart. Deep-brown Dart. Dotted Rustic. Five-spot Burnet. Humming-bird Hawk-moth. Purple Thorn. Red Underwing. Ruby Tiger. Six-spot Burnet. Vestal. White-line Dart. Pyralid (*Evergestis pallidata*). Micro : *Limnaecia phragmitella*.
Odonata (Dragonflies) : Beautiful Demoiselle. Brown Hawker. Downy Emerald. Southern Hawker. Variable Damselfly. White-faced Darter . Summary of additional 10 km square records : *C. puella. C. pulchellum. I.elegans. L. sponsa. P. nymphula. A. cyanea. L. quadrimaculata*. *E. cyathigerum. A. grandis*.
Other insects (Information supplied by Jonty Denton). **Flies** :- *Helophorus hybridus. H. pendulus. Leucozona glauca. Volucella pullecens. Xylota sylvanus. Pyrophaena granditarsa. Thereva annulata. Xylota coeruleiventris*. **Beetles** : *Sinodendron cylindricum*. *Chrysolina menthastri*. *Anatis ocellata*. *Dromius quadrimaculatus. Pterostichus niger*. **Spider** : *Meta menardii*. **Tree Wasp** : *D. sylvestris*. [Lepidoptera]. [Odonata]. Diptera]. [Hymenoptera]. [Insects].

1991 Sub-Editor Insect Report : 1990. Birds in Cumbria : 1990. 90-95. Cumbria Naturalists Union. [**Butterflies** : Brimstone. Comma. Gatekeeper / Hedge Brown. Grayling. Green Hairstreak. Large Heath. Mountain Ringlet. Orange Tip. Painted Lady. Peacock. Purple Hairstreaks. Red

Admiral. Small Blue. Small Copper. Small Pearl-bordered Fritillary. Speckled Wood]. **Moths** : Alder moth. Centre-barred sallow. Common swift. Deaths-head Hawk-moth. Five-spot Burnet. Humming-Bird Hawk-moth. Herald moth. Knot Grass. Large Emerald. Large Yellow Underwing. Lesser Swallow Prominent. Marbled Coronet. Mullien Moth. Northern Drab. Six-spot Burnet. Svensson's Copper Underwing. The Shuttle-shaped Dart. **Diptera** : Some records sent in by Jonty Denton with additional comments by N.L.Birkett. *Megasyrphus* [Didea] *fasciata*. *Sericomyia silentis*. *Xylota florum*. *Microdon mutabilis*. Butterfly Mapping in Cumbria. [Lepidoptera] [Diptera]. [Insects].

1991 Joint Author : Hancock, E.F. List of 'Macro' Moths recorded in the Furness and Cartmel districts of South Cumbria, 1960-1984. (1990 Update). Birds in Cumbria : 1991. 95. Cumbria Naturalists Union. [Convolvulus Hawk-moth. Crescent Dart. Crescent Striped. Lesser Common Rustic. Lunar Hornet Moth. Northern Deep-brown Dart. Northern Drab. Oak Nycteoline. Purple Thorn. Rufous Minor. Scarce Footman. Silky Wainscot. Slender Brindle. Small Blood-vein. Small Dusty Wave. Small mottled Willow. Southern Wainscot. The Mallow. Triple-spotted Pug. Wood Carpet. [Lepidoptera].

1992 Sub-Editor. Insect Report : 1991. Birds in Cumbria : 1991. 92-96. Cumbria Naturalists Union. [Records include :- Brimstone. Clouded Yellow (Late 1990 record not recorded in 1991). Comma. Dark Green Fritillary. Gatekeeper (Hedge Brown). Marsh Fritillary. Mountain Ringlet. Painted Lady. Peacock. Purple Hairstreak. Red Admiral. Small Pearl-bordered Fritillary. **Moths** : Bedstraw Hawk-moth. Bordered Sallow. Convolvulus Hawk-moth. Early Moth. Feathered Ranunculus. Flounced Rustic. Frosted Orange. Galium Carpet. Golden Pulsia. Haworth's Minor. Humming-bird Hawk-moth. Lempke's Gold Spot. Lesser Swallow Prominent. Lyth Ranunculus?. Red-necked Footman. Red-Sword-grass. Scarce Prominent. Small China-mark. Spruce Carpet. Swallow Prominent. The Streamer. The Tissue. Winter Moth. Yellow Underwing. **Pyralid** : *Diorycria abietella*. **Tortrid** : *Dichrorampha aeratana*.
Also a brief paragraph concerning a survey carried out by Paul Hatcher on the Netted Carpet Moth p 96. [Lepidoptera] [Insects].

1993 Butterfly Mapping in Cumbria. Cumbrian Wildlife. **35**, January, 15.[Lepidoptera] [Insects].

1993 Sub-Editor. Insect Report : 1992. Birds in Cumbria : 1992. 86-90. Cumbria Naturalists Union. [Butterflies : "36 Species of butterflies were recorded in Cumbria. These are not listed individually but some were selected for special mention as follows :- Clouded Yellow "an early and unusual migration". Comma. Duke of Burgundy. Gatekeeper. High Brown Fritillary. Holly Blue. Large Skipper. Large White. Mountain Ringlet Project. Painted Lady. Peacock. Purple Hairstreak. Red Admiral. Small Skipper (Nil Report). Small White. Speckled Wood. Brief Report on the Butterfly Mapping in Cumbria Project, p 89.
Moths :- Bleached Pug. Bordered Straw. Coast Dart. Convolvulus Hawk-moth. Currant Pug. Death's-head Hawk-moth. Four-dotted Footman. Humming-bird Hawk-moth. Mallow. Pearly Underwing. Red Carpet. Sallow Prominent. Sand Dart. Silver Y. Small Eggar. Tawny-barred Angle. The Delicate. The Gem. The Nutmeg. The Plain Pug. The Rivulet. **Also :-** *Cydia compositella* and a request for information concerning Argent and Sable and Grass Emerald. [Lepidoptera] [Insects].

1994 Sub-Editor Insect Report. Butterflies and Moths : Report. Birds in Cumbria : 1993. 87-92. Cumbria Naturalists Union. **Butterfly records** include :- Brimstone. Comma. Dingy Skipper. Duke of Burgundy. Gatekeeper. Green Hairstreak. Holly Blue. Marsh Fritillary. Orange Tip. Painted Lady. Pearl-bordered Fritillary. Purple Hairstreak. Red Admiral. Small Copper. Small Tortoiseshell. Speckled Wood.
Also details of the Butterfly Mapping Project. Location Maps are presented for Dingy Skipper. Gatekeeper. Green Hairstreak. Large Skipper. Pearl-bordered Fritillary. Purple Hairstreak. Small Pearl-bordered Fritillary.
Moths :- Alder. Argent and Sable. Beautiful Brocade. Cistus Forester. Copper Underwing. Crescent Striped. Crinan Ear. Hummingbird-Hawkmoth. Lead Belle. Pale Eggar. Red Carpet. Sallow Kitten. Silver Y. Svensson's Underwing. Also :- *Catoptria furcatellus*. [Lepidoptera].

1994 Sub-Editor. Insect Report : 1993. (Butterflies. Moths. Dragonflies and Damselflies. Beetles. Flies. Lacewings. Scorpionflies. Mayflies. True Bugs). Birds in Cumbria : 1993. 87-95. Cumbria Naturalists Union. [Items listed under their separate authors : **Dragonflies** - David Clarke. **Beetles** - John Read. **Flies**, **Lacewings**, **Scorpion Flies**, **May-flies**, **True Bugs**-Stephen Hewitt].

1995 Sub-Editor. Insect Report : 1994. Birds in Cumbria : 1994. 90-97. Cumbria Naturalists Union.
Butterflies records include :- Clouded Yellow. Comma. Dark Green Fritillary. Duke of Burgundy. Gatekeeper. High Brow Fritillary. Holly Blue. Marsh Fritillary. Mountain Ringlet Survey. Orange Tip. Painted Ladies. Pearl-bordered Fritillary. Red Admiral. Small Tortoiseshell. There are distribution atlases for Common Blue. Holly Blue. Mountain Ringlet. Orange Tip.
Moth Records include :- Alder Moth. Argent and Sable. Butterbur. Coast Dart. Convolvulus Hawk-moth. Dark dagger. Double Lobed. Dun-bar. Golden Plusia. Humming-bird Hawk-moth. Juniper Carpet. Lunar Marbled Brown. Narrow-bordered Five-spot Burnet. Netted Carpet. Old Lady. Pale Pinion. Pearly Underwing. Red Sword Grass. Sallow Kitten. Shuttle-shaped Dart. Silky Wainscot. Silver Y. Slender Brindle. Svensson's Copper Underwing. Swallow Prominent. The Least Minor. The Olive. The Streak. Thistle Moth (Requires verification). White Colon.
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Moth Records :- Barred Sallow. Beaded Chestnut. Bedstraw Hawk-moth. Brussels Lace. Convolvulus Hawk-moth. Fan-foot. Frosted Green. Gem. Great Brocade. Green Carpet. Haworth's Minor. Heath Rustic. Herald Moth. Humming-bird Hawk-moth. Lunar Marbled Brown. Lunar Thorn. Mallow. May Highflyer. Meal Moth. Miller. Mottled Grey. Muslin Moth. Narrow-winged Pug. Oak Beauty. Olive. Pearly Underwing. Pimpinel Moth. Pretty Chalk Carpet (First Cumbrian Record). Orange Swift. Purple Thorn. Rustic Shoulder-moth. Slender Brindle. Small Emerald. Small Phoenix. Streamer. Swallow Prominent. Southern Wainscot. Svensson's Copper Underwing. (Thistle Moth sighting not confirmed). Treble-bar. Vestal. Yellow Horned. Yellow-ringed Carpet. Yellow-tail. [Lepidoptera] [Insects].
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Moth Records include :- Barred Rivulet. Beech-green Carpet. Bordered Straw. Bright-line Brown-eye. Brussels Lace. Bulrush Wainscot. Cloaked Minor. Coast Dart. Common Footman. Crescent Striped. Dark Sword Grass. Diamond Back. Dotted Border. Double Lobed. Early Grey. Glaucous Shears. Golden Plusia. Great Brocade. Grey Pine Carpet. Heart and Dart. Humming-bird Hawk Moth. Knot Grass. Least Black Arches. Ling Pug. Lunar Thorn. Marbled Coronet. Narrow-bordered Bee Hawkmoth. Netted Carpet Moth. Ni Moth. Orange Sallow. Pale Pinion. Pearly Underwing. Pebble Hook-tip. Pine Beauty. Pinion-streaked Snout. Plain Wave. Poplar Hawk-moth (pale buff-coloured form). Sand Dart. Sandy Carpet. Scarce Prominent. Scorched Wing. Shark. Short-cloaked Moth. Shoulder-striped Wainscot. Silver Y (Invasion). Small Autumnal Moth. Small Mottled Willow. Small Quaker. Smoky Wave. Southern Wainscot. Tawny Shears. The Gem. The Lackey. Thistle Ermine. Water Veneer. White Colon. White-line Dart. White Satin Moth. Wormwood Pug. Yellow-tail.
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Moths :- Autumnal Rustic. Barred Tooth-striped. Bed-straw Hawk-moth. Beech-green Carpet. Broad-bordered Yellow Underwing. Brown-spot Pinion. Buff Arches. Chevron. Common Emerald. Convolulus Hawk-moth. Dingy Shears. Dusky Brocade. Dusky-lemon Sallow. Feathered Ranunculus. Flounced Sallow. Heart and Club. Iron Prominent. July Belle. Lunar Thorn. Marbled Brown. Mottled Grey. Large Wainscot. Netted Carpet. Plain Wave. Rush Veneer (Nil Report). Sallow Kitten. Satin Lutestring. Scarce Prominent. Silver Y. Small Fan-foot. Small Wainscot. Square Spot. Straw Dot. Svensson's Copper Underwing. Tawny-barred Angle. Thistle Ermine. The Olive. The Tissue. Vapourer. **Also :-** *Caloptilia rufipennella*. *Stigmella myrtillella* on *Vaccinium myrtillus*]. [Lepidoptera] [Insects].

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Butterbur. Wild Cherry. Wild Strawberry. Wood Clubrush. Wood Cranesbill. Wood Goldilocks. Yellow Corydalis. **Ferns** : Black Spleenwort. Filmy Fern. Parsley Fern. Polypody. Rustybacks. **Sedges** : Birdsfoot Sedge (*Carex ornithopoda*). Fingered Sedge (*C. digitata*). **Fungi** : Birds Nest Fungus. The Field Naturalist. **9**, (n.s), (2). 32-34. [Flora]. [Trees].

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1887 The Roe Deer in Cumberland. Zoologist. 3rd Series. **11**, (130), 382-383. [Mammals].
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Vol 60, 1967 :-

Eider (28). Red-breasted Merganser (29-30). Greylag Goose (31-32). Golden Eagle (34-35). Peregrine (43-44). Ptarmigan (98). Ringed Plover (108). Golden Plover (112-113). Dotterel (113). Green Sandpiper (117). Common Sandpiper (117-118). Dunlin (120). Lesser Black-backed Gull (180). Herring Gull (181-182). Common Gull (182-183). Black-headed Gull (183-184). Arctic Tern (186). Sandwich Tern (188-189). Little Owl (199-200). Tawny Owl (200). Long-eared Owl (201-202). Nightjar (261-263). Green Woodpecker (264-265). Great-spotted Woodpecker (266). Wryneck, (267-268). Sand Martin (272-273). Raven (273-274). Chough (279-280). Nuthatch (283-284). Reed Warbler (494-495). Wood Warbler (501-502). Tree Pipit

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The Micro-Moths :- Bird Cherry Ermine. *Atoptria m. margaritella*. *Catoptria pinella. Crambus ericella*. Daldinea knot-horn. Diamond-back Moth. Light Brown Apple Moth (Identification to be confirmed). Many-plumed Moth. Nettle Tap. *Pediasia aridella*. Thistle Ermine.
Migrants :- Convolvulus Hawk-Moth. Humming-bird Hawk Moth. Pearly Underwing. Silver Y. Straw Dot. Vestal.

Difficult groups :- Common/Lesser Common Rustic. Ear Moth. Gold Spot. Lempke's Gold Spot. Marbled Minor. November Moth.

Rarities :- Netted Carpet and a search for the food plant of the moth Touch-me-not Balsam (*Impatiens noli-tangere*). [Lepidoptera] [Insects] [Flora].

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The Micro-moths :- *Adela cuprella. Adela reaumurella. Agonopterix angelicella. Anania funebris. Chilo phragmitella. Donacaula mucronellus. Elachista triseriatella. Eriocrania sparmannella. Homoeosoma sinuella.Nemophora cupriacella. Nemophora degeerella Olethrutes arcuella. Pyrausta cingulata. Semioscopis avellanella.*

Migrants :- Bedstraw Hawkmoth. Convolvulous Hawk-moth. Death's-head Hawkmoth. Gem. Ni Moth. Striped Hawkmoth. Vestals. White-speck.

Rarities and special survey :- Netted Carpet (*Eustroma reticulata*) and a Survey to locate without success the Belted Beauty (*Lycia zonaria britannica*) in the North West. [Lepidoptera] [Insects].

2002 Compiler : Cumbria Moth Report : 2001. Cumbria Moth Group.

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2002 Sub-Editor. Moths Report : 2001. Birds and Wildlife in Cumbria : 2001. 79-82. Cumbria Naturalists Union. [Records include : Alder Kitten. Barred Carpet. Barred Rivulet. Barred Tooth-striped. Beautiful Snout. Blomer's Rivulet. Bordered Grey. Brown Scallop. Buff Footman. Dark Dagger. Dark Umber. Diamond-back Moth. Dogs Tooth. Dusky Thorn. Dwarf Pug. Eyed Hawk-moth. Fen Square-spot. Figure of Eighty. Galium Carpet. Grass Emerald. Grass Wave. Grey Shoulder-knot. Juniper Carpet. Lesser Cream Wave. Manchester Treble-bar.

Marbled Brown. Marsh Oblique- barred. Oak Lutestring. Oak-tree Pug. Oblique Striped. Orange Swift. Peacock Moth. Pinion-streaked Snout. Poplar Kitten. Pretty Chalk Carpet. Purple-bordered Gold. Red-necked Footman. Satin Lutestring. Satyr Pug. Scalloped Hook-tip. Scarce Bordered Straw. Sharp-angled Peacock. Silvery Arches. Small Brindled Beauty. Small Dusty Wave. Small Elephant Hawk-moth. Square Spot. Stout Dart. The Brick. The Delicate. The Saxon. The Tissue. The Vestal. Triple-spotted Clay. White-marked. White Speck. Yellow-barred Brindle. [Lepidoptera] [Insects].

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2003 Incey-wincey Spider… crawling on water?! Cumbrian Nature. 14, Summer, 8. [Raft Spider (*Dolomedes fimbriatus*)]. [English Nature]. [Araneae].

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Also : *Amblyptillia acanthadactyla. Ancylis badiana. Agronopterix ocellana. Carpatolechia alburnella. Chilo phragmitella. Cochylis dubitana. Elachista canapennella. Epinotia immundana E.ramella. E.signatana. Margaritia sticticalis. Olindia schumacherana. Opsilbotys fuscalis. Pammene regiana. Platyptillia gonodactyla. Stigmella aurella.* [Lepidoptera] [Insects].

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Club. Heath Bedstraw. July Belle. Juniper Pug. Large Ear. Least Black Arches. Light Knot Grass. Limestone Bedstraw. Magpie. Map-winged Swift. Marbled Beauty. Marbled Beauty. Merveill du Jour. Mouse Moth. Netted Carpet. Oak Hook-tip. Oak Lutestring. Oblique carpet. Ochreous Pug. Orange Swift. Pretty Pinion. Red-line Quaker. Red-necked Footman. Rustic Shoulder-knot.Saltern Ear. Satin Beauty. Scorched Carpet. Seraphim. Shark. Six-spot Burnet. Six-striped Rustic. Slender Brindle. Small Dotted Buff. Small Dusty Wave. Small Wainscot. Spring Usher. Tawny-barred Angle. The Annomalous. The Forester. The Gothic. The Miller. The Phoenix. The Suspected. Treble Lines. Twenty-plumed Moth. Vapourer. Yellow-barred Brindle. Yellow Shell. **Also** : *Eupoecilia angustana angustana f. fasciella. Eana penziana penziana f. bellana.* and *Agonopterix umbellana*]. [Lepidoptera] [Insects].

2006 A Rosy glow for a golden year. Cumbrian Nature. **19**, March, 3. [Rosy Marsh Moth - *Coenophila subrosea*]. [Roudsea Wood and Mosses]. [English Nature]. [Lepidoptera]. [Insects].

2006 Author : Doyle, Steve. Moth Corner. [Rare Moth - The Rosy Marsh Moth - discovered in Cumbria by Rob Petley-Jones]. [Roudsea Wood N.N.R]. Butterfly Conservation, North West (Cumbria) Branch. Newsletter. **12**, March, 8. [Lepidoptera] [Insects].

2006 Author : Waring, Paul. Moth Report : Includes information on the Rosy Marsh Moth (*Coenophila subrosa*) re-discovered in Cumbria by Rob Petley-Jones. British Wildlife. **17**, (1), February, 204-206.[Lepidoptera] [Insects].

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2007 Sub-Editor. Moths Report : 2006. Birds and Wildlife in Cumbria : 2006. 187-191. Cumbria Naturalists Union. [Some moth sightings may appear more than once]. [Reports include :- Argent and Sable. Barred Tooth-striped. Birch Mocha Bordered Straw. Chamomile Shark. Chestnut-coloured Carpet. Cloaked Minor. Crescent. Devon Carpet. Diamond-backed Moth. Double Dart. Dusky Hook-tip. Dusky thorn. Four-spotted Footman. Gem. Golden-rod Brindle. Grass Emerald. Grass Rivulet. Grey Pine Carpet. Haworth's Minor. Honeysuckle Moth. Humming-bird Hawk Moth. Marbled Coronet. Netted Carpet. Old Lady. Popular Lutestring. Red carpet. Rosy Marsh Moth. Scarce Bordered Moth. Six-spot Burnet. Small Argent and Sable. Vestal. Waved Carpet. White Satin Moth. Yellow-ringed Carpet. Also :- *Palpita vitrealis*. *Yponomeutiodea* Family. [Lepidoptera] [Insects].

2008 Moths : Invertebrate Report, 2007. Birds and Wildlife in Cumbria, 2007. 188-192. Cumbria Naturalist Union. [Some Moth sightings may appear more than once] [Reports Include :- Antler Moth. Argent and Sable. Barred Carpet. Barred Rivulet. Barred Tooth-striped. Beech-green Carpet. Birch Mocha. Brussels Lace. Buff Footman. Chestnut-coloured Carpet. Cistus Forester. Common Lutestring. Dark Tussock. Devon Carpet. Double Dart. Dusky Thorn. Forester. Garden Tiger. Miller. Netted Carpet. Orange Footman. Peacock Moth. Portland Moth. Red Underwing. Rosy Marsh Moth. Round-winged Muslin. Satin Lutestring. Seraphim. Sharp-angled Peacock. Small Purple-barred. Small Seraphim. White Satin Moth. White Speck]. [Lepidoptera] [Insects].

2009 Moths [Report]. 2008. Birds and Wildlife in Cumbria, 2008. 200-204. Cumbria Naturalists Union. Cistus Forester. *Catoptria pinella*. *Phylctaenia coronata*. *Anania funebris*. Red-tipped

[Clearwing. Barred Hook-tip. Small Emerald. Birch Mocha. Mullein Wave. Small Dusty Wave. Treble Brown Spot. Plain Wave. Vestal. Red Carpet. Lead Belle. July Belle. Devon Carpet. Phoenix. Netted Carpet. Beech-green Carpet. Dark Umber. Lime-speck Pug. Tawny Speckled Pug. Slender Pug. Ash Pug. Manchester Treble-bar. Seraphim. Small Seraphim. Waved Carpet. Barred Tooth-striped. August Thorn. Dusky Thorn. Brussels Lace. Ringed Carpet. Grey Scalloped Bar. Convolvulus Hawk-moth. Eyed Hawk-moth. Humming-bird Hawk-moth. Puss Moth. Dark Tussock. White Satin Moth. Round-winged Muslin. Orange Footman. Dingy Footman. Four-spotted Footman. Wood Tiger. Sand Dart. Rosy Marsh Moth. Autumnal Rustic. Pearly Underwing. Dog's Tooth. Glaucous Shears. Broad-barred White. Tawny Shears. Marbled Coronet. Hedge Rustic. Northern Drab. Brown-line Bright-eye. Southern Wainscot. Obscure Wainscot. Chamomile Shark. Swordgrass. Brindled Green. Dusky-lemon Sallow. Light Knot Grass. Old Lady. Straw Underwing. Saxon. Reddish Light Arches. Crescent Striped. Butterbur. Haworth's Minor. Bordered Straw. Red Underwing. Burnet Companion. Beautiful Snout. Marsh Oblique-barred]. [Lepidoptera] [Insects].

2012 Joint Authors : Brodie, Ian O & **Petley-Jones, Rob**. Conserving Aphrodite's Footware - the re-introduction of Lady's-slipper Orchid. (*Cypripedium calceolus* L.) into Cumbria. Carlisle Naturalist. **20**, (1), Spring, 20-24. Flora].

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1894 *Puccinellia* (as *Sclerochloa*) *maritima* and *Plantago coronopus* from Grange-over-Sands. The Naturalist. 286. [Flora].

1896 *Hyoscyamus niger* in Furness. The Naturalist. 100. [Flora].

1896 Thomas Lawson "The Father of Lakeland Botany". Biographical Sketches of Local Worthies. The North Lonsdale Magazine & Furness Miscellany.1894-1898. Vol 1. (12), 234-237.

1896 Tree Geese (Evolution of the Barnacle Goose *Bernicula leucopsis*). The North Lonsdale Magazine & Furness Miscellany. 1894-1898. Vol 1. (12), 234-237. [Birds].

1897 *Anthemis nobilis* in N. Lancashire. The Naturalist. 5. [Flora].

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1897 Charr Pots. The North Lonsdale Magazine & Furness Miscellany. Vol 2 (7), 153. [Fish].

1897 The Kingfisher in North Lancashire. Naturalist. 372. [Location : Ulverston - River Duddon]. [Birds].

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1898 Bird Protection at Walney Island and Barrow-in-Furness. Naturalist. 84. [Birds].

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1904 The Tree-creeper in North Lancashire. Naturalist. 92. [Barrow]. [Birds].

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1974 Butterflies of South and West Cumbria. Natural History in Cumbria,1973. 34-35. Assn. Cumbria. Nat. Hist. Soc. [Records :- Brimstone. Common Blue. Dark Green Fritillary. Dingy Skipper. Grayling. Green Hairstreak. Green Veined White. Hedge Brown. Holly Blue. Large Heath. Large Skipper. Large White. Marsh Fritillary. Meadow Brown. Mountain Ringlet. Orange Tip. Painted Lady. Peacock. Red Admiral. Ringlet. Small Blue. Small Copper. Small Heath. Small Pearl Bordered Fritillary. Small Tortoiseshell. Small White. Wall]. [Lepidoptera] [Insects].

PORTER, J.

1971 Butterflies, 1970. Annual Transactions, West Cumberland Field Society. **1**, 2-3. [Lepidoptera] [Insects].

PORTER, J. L.

1994 A study of the ecology of Asplenium in Limestone grikes. Fern Gazette. **14**, 245-254. [Location : Gait Barrows Nature Reserve, Arnside on *Phyllitis scolopendrium*, *Asplenium ruta-muraria* and *A. trichomanes* subsp *quadrivalens*]. [Ferns].

PORTER, K.

1973 Records of Moths. Natural History in Cumbria, 1970-1972. 15-18. Assn. Cumbria. Nat. Hist. Soc. [A very comprehensive list with contributions from J. Read. A. Warburton. R. Savory. R. Bennett and locations. The printed list is numbered 1-120 but is presented here in alphabetical order :
Alder Moth. Angle shades. Antler Moth. Beautiful Golden-Y. Bright Line Brown-eye. Brimstone. Broad Bordered White Underwing. Brown Silver-line. Buff Arches. Buff Ermine. Buff Tip. Burnet Companion. Burnished Brass. Canary-shouldered Thorn. Chimney Sweeper. Cinnabar Moth. Cloaked Minor. Clouded Border. Clouded-border Brindle. Clouded Brindle. Clouded Buff. Clouded Silver. Common Carpet. Common Footman. Common Heath. Common Marble Carpet. Common Rustic. Common Swift. Common Wainscot. Common Wave. Common White Wave. Dark Arches. Dark-barred Twin-spot. Double Dart. Drinker. Dwarf Cream Wave.

Early Thorn. Eyed Hawk-moth. Fan Foot. Figure of Eight. Flamed Shoulder. Four Spot Footman. Frosted Orange Moth. Gallium Carpet. Garden Carpet. Garden Tiger. Ghost Moth. Golden Plusia. Gold Spot. Gothic. Grass Emerald. Green Brindled Crescent. Green Carpet. Green Pug. Green Silver Lines. Grey Arches. Grey-Chi. Grey Mountain Carpet. Grey Scalloped Bar. Heart and Dart. Heath Rustic. Hebrew Character. Herald. Large Elephant Hawk-moth. Large Emerald. Latticed Heath. Lead Belle. Lesser Yellow Underwing. Light Arches. Lunar Hornet Moth. Magpie. Map Winged Swift. Marbled Beauty. Middle-bar Minor. Mother Shipton. Mottled Beauty. Northern Oar Eggar, Northern Spinach. November Moth. Old Lady. Orange Swift. Plain Golden -Y. Pod Lover. Poplar Hawk-moth. Purple Cloud. Puss Moth. Riband Wave. Rosy Minor.

Rosy Rustic. Scalloped Hazel. Scalloped Oak. Setaceous Hebrew Character. Shaded Brown-bar. Shark. Silver-ground Carpet. Silver Hook. Silver-Y. Six-spot Burnet. Small Angle Shades. Small Purple Barred. Small Square Spot. Smoky Wainscot. Smoky Wave. Snout. Spectacle. Straw Dot. Straw Underwing. Swallow Tailed. Trebled Bar. Turnip Moth. The Dot. The Flame. White Ermine. Wood Tiger. Yellow Tail. Yellow Shell. Yellow Underwing]. [Lepidoptera] [Insects].

1973 Moth Records, 1972-73. Natural History in Cumbria, 1973. 32-33. Assn. Cumbria Nat. Hist. Soc. [Records :- Autumn Green Carpet. Barrel Red. Beautiful Yellow Underwing. Bedstraw Hawk. Bordered Beauty. Broad Bordered White Underwing. Centre Barred Sallows. Chinese Character. Clay. Clouded Magpie. Common Quaker. Coxcomb Prominent. Dark Marbled Carpet. Death's Head. Dotted Border. Double Square Spot. Early Tooth-striped. Feathered Thorn. Four Spot Footman. Haworth's Minor. Ingrailed Clay. Iron Prominent. July Highflyer. Lesser Swallow Prominent. Light Barred. Lunar Thorn. Merveille du Jour. Miller. Mottle Umber. Muslin. Oak Beauty. Pale Prominent. Pale Tussock. Peach Blossom. Pebble Hooktip. Pebble Prominent. Peppered Moth. Phoenix. Powdered Quaker. Purple Bar. Purple Cloud. Rivulet. Ruby Tiger. Sallow. Sallow Kitten. Sandy Carpet. Scallop Hazel. Scallop Shell. Scorched Wing. Shoulder Stripe. Small Elephant Hawk. Small Fanfoot. Speckled Yellow. Tawny Speckled Pug. True Lover's Knot. Twin Spot Carpet. V-pug. Vapourer. [Lepidoptera] [Insects].

1974 Moth Records. Natural History in Cumbria. 1973. 32-33. Assn Cumbria. Nat. Hist. Soc. [Lepidoptera].

1975 Joint Author : Cribb, P.W. Notes on the British races of *Erebia epiphron* Knoch. Bull. amat. Ent. Soc. **34**, (307), May, 62-68. [Includes Lake District]. [Mountain Ringlet] [Lepidoptera] [Insects].

1975 Rearing *Erebia epiphron* (Knoch). Bull. amat. Ent. Soc **34**, (306), February, 19-20. [Includes : Lake District]. [Mountain Ringlet] [Lepidoptera] [Insects].

1980 A quantitative treatment of clinal variation in *Coenomympha tullia* (Muller) (Lep., Satyridae). Ent. mon. Mag. **116**, January - April, 71-82. [Locations include Cumbria]. [Lepidoptera] [Insects].

1980 On the food plants of *Saturnia pavonia* L. Ent. Rec. **92**, (7-8), July-August, 175. [Location : Cumberland]. [Emperor Moth]. [Lepidoptera] [Insects].

2007 The Marsh Fritillary *Euphyoryas aurina* (Rott), in Cumbria : turning the tide. Antropos **31**, Spring, 34-43. [Lepidoptera] [Insects].

PORTER, K.

1974 South Walney Bird Observatory, 1973. C.N.T. Newsletter. **24**, 29-30. [Birds] [Nature Reserves].

PORTER, Michael S. (Mike.)

1977 Joint Author : Roberts, F. Jeremy. Birds-foot Sedge.(*Carex ornithopoda* Willd.) in Cumbria. The Carlisle Naturalist. **5**, (1), 18-23. [Flora].

1988 Creeping Lady's Tresses in Cumbria, 1987. Birds in Cumbria : Spring 1988. 51-53. Assn. Nat. Hist. Soc. in Cumbria. [Associated plants include : Scots Pine. Birch. Holly. Bilberry. Heath Bedstraw. Ling. Devil's Bit Scabious. Common Wintergreen. Lesser Twayblade. [Reference to Dorothy and Ernest Blezard]. [Orchids] [Flora].

1989 "Plant Record **319/16** *Euphorbia cyparissias* L. V.C. 70, Cumberland : Beck Farm, Whetrigg. GR 35/19.48. Rough trackside. M.Porter, 1987, **LANC**, First post-1930 record." Watsonia. **17**, (2), July, 190. [Flora].

1992 "Plant Record (No record number). *Rhus hirta* (L.) Sudw. V.C. 70, Cumberland : derelict industrial land, Mealsgate near Fletchertown. NY / 201.423. M.Porter, 1991. New Vice-county record." Watsonia. **19**, (2), August, 144.[Flora].

1992 "Plant Record **601/1** *Muscari neglectum* Guss ex Ten. V.C. 70, Cumberland : Quarry, Catlands.

NY /2.4. M.Porter. New Vice-county record." Watsonia. **19**, (2), August, 151. [Flora].

1993 Joint Author : Foley, M.J.Y. *Typha angustifolia* L. in Cumbria. B.S.B.I News. **63**, 49. [Flora].

1994 *Hammarbya paludosa* (L.) Kuntze - Bog orchid. In :- Stewart, A., Pearman, D.A. & Preston, C.D. Scarce Plants in Britain. Peterborough : Joint Nature Conservation Committee.

1998 A Review of plum (Prunus) species in Cumbria. The Carlisle Naturalist. **6**, (2), 40-43.[Trees].

1999 Book Review :- Birds and Boys at Sedburgh : one hundred years of watching and recording birds at Sedburgh School. Author : Rev Ingram Cleasby. Cumbria Bird Club, Bird News. **10**, (3), 58-57. [Biography].

1999 Joint Author : Foley, M.J.Y. *Carex vulpina* L. - morphological differentiation from *Carex otrubae* Podp. B.S.B.I News. **81** : 74. [Flora].

2000 Joint Author : Foley, M J.Y. *Carex muricata* L. subsp. Muricata (Cyperaceae) - a review of its present status in Britain. Watsonia. **23**, (2), August, 279-286. [Flora].

2002 An announcement by Neil Robinson that **Mike Porter** will be the new sub-editor for Plant Reports Birds and Wildlife in Cumbria. 2001 (Published 2002). p76.

2003 Bl ea Moss, Cumbria. Field Meeting. 13th, September, 2003. Brit. Pter. Soc. Bull. **6**, (2), 138-140. [Ferns].

2003 Sub-Editor. Botanical Report. Birds and Wildlife in Cumbria : 2002. 107-108. Cumbria Naturalists Union. [Plants : Coriander. Dune helleborines. Fragrant Orchid / Spotted Orchid hybrid. Fragrant Orchid (White form) *Gymnadenia conopsea* subsp. *borealis*. Greater Burnet-saxifrage. Navelwort. Prickly Sedge. Scarce Prickly Sedge. Sedge : False Fox Sedge x Remote Sedge. *(C. otrubes x C. remota).* Strawberry Clover. Tree Mallow]. [Flora].
British Pteridological Society, Field Meeting. Forked Spleenwort (*Asplenium septentrionale*). Wall Rue x Forked Spleenwort. (*A. rutamuraria* x A. *septentrionale*).

2004 High Cross Lodge, Hartsop and Penrith, Cumbria. Field Meeting. 4th, September, 2004. Brit. Pteridological Society Bull. **6**, (3), 229. [Ferns].

2004 Roudsea Wood National Nature Reserve. Cumbria. Field Meeting. 19th, June, 2004. British Pteridological Society Bulletin. **6**, (3), 226. [Ferns].

2004 Sub-Editor. Botanical Report. Birds and Wildlife in Cumbria : 2003. 155-157. Cumbria Naturalists Union. [Flora]. **1**. Species and hybrids new to Cumbria. Bee Orchid. Blue Anemone (*Anemone appenina*). Cockspur. (*Echinochloa crus-galli*). Common Spotted Orchid x Early Marsh Orchid. Common Spotted Orchid x Fragrant Orchid. Coral Beauty (*Cotoneaster dammeri* x *C*). Early Marsh Orchid x Fragrant Orchid. False Cleavers (*Galium spurium*). Forresters Tutsan (*Hypericum forrestii*). Green Amaranth (*Amaranthus hybridus*). Heath Spotted Orchid x Fragrant Orchid. Knotroot Bristle-grass (*Setaria parviflora*). Mexican Fleabane (*Erigeron karvinskianus*). Northern Marsh Orchid x Fragrant Orchid. Red-hot-pokers (*Kniphofia uvaria* & *Kniphofia uvaria*). Rescue Brome (*Cereatochloa cathartica*). Rough Bristle-grass (*Setaria verticillata*). Safflower (*Carthamus tinctorius*). Spreading Cotoneaster (*Cotoneaster divaricatus*). Ten-leaved Pink Sorrel (*Oxalis decaphylla*). Upright Spurge (*Euphorbia serrulata*). Yellow Bristle-grass. (*Setaria pumila*).
2. **Noteworthy records of species scarce in Cumbria**. Chickweed Wintergreen (*Trientalis europaea*). Greater Pond-sedge (*Carex riparia*). Mudwort (*Limosella aquatica*). Northern Bilberry (*Vaccinium fuliginous*). Orange-ball-tree (*Buddleia globosa*). Purple Ramping Fumitory
(*Fumaria purpurea*). Scarce Prickly Sedge (*Carex muricata*).Thorn Apple (*Datura stamonium*). Wall Rue x Forked Spleenwort (*Asplenium septentrionale* x *A. ruta-muraria* (*Asplenium* x *murbeckii*).
3. **Changes in status or rare Cumbrian species**. Alpine Foxtail. Interrupted Club moss (*Lycopodium annotinum*.) Marsh Club moss (*Lycopodiella inundata*). Whorl-grass (*Catabrosa aquatica*). Yellow Marsh Saxifrage (*Saxifraga Hirculus*).

2005 Esdale and Wasdale, South Cumbria. Field Meeting. 6th, August, 2005. Brit. Pter. Soc. Bull. **6**, (4), 304-306. [Ferns].

2005 Sub-Editor. Botanical Report. Birds and Wildlife in Cumbria : 2004. 159-161. Cumbria Naturalists Union. [**Species and hybrids new to Cumbria** : Blunt-flowered Rush. Brown Sedge. Cape-pondweed. Caucasian Penny-Cress. Chinese Ragwort. Creeping Thistle. Galingale. Garden Angelica. Goats Beard (Also known as Jack-go-to-bed-at-noon). Hidcote Comfrey. Indian Horse-chestnut. Krau's Clubmoss (Also known as Mossy Clubmoss). Marsh Arrowgrass. Marsh

Thistle. Marsh Valerian. Mousetail. Turkish Iris.

Noteworthy records of species scarce in Cumbria :- Bilberry. Bird's-nest Orchid. Centaury (Hybrid *Centaurium erythraea x c. littorale*). Chickweed Wintergreen. Common Cudweed. Common Hawthorn. Dwarf Gorse. Fleabane. Fragrant Orchid. Midland Hawthorn. Mousetail. Purple Ramping Fumitory. Rye Brome. Tunbridge Filmy Fern. Turkey Oak. Wilson's Filmy Fern.

Orchid Hybrids :- Heath Spotted Orchid x Fragrant Orchid. *Dactylorhiza maculata x Gymnadenia conopsea* subsp *borealis.* Northern Marsh Orchid *x* Fragrant Orchid. *Dactylorhiza purpurella x Gymnadenia conopsea* subsp *borealis.* Heath Spotted Orchid *x* Northern Marsh Orchid. *Dactylorhiza maculata x Dactylorhiza purpurella]*.

Increasing numbers of roadside halophytes :- Danish Scurvy-grass. Foxtail Barley. Grass-leaved Orache. Lesser Sea-spurrey. Reflexed Saltmarsh-grass. Spear-leaved Orache. [Flora].

2006 Joint Author : Foley, M.J.Y. *Calamagrostis scotica* (Druce) Druce (Poaceae), A Red Data book plant : its history, taxonomy, ecology and genetics. Watsonia. **26**, (1), February, 51-55. [Flora].

2006 Sub-Editor. Botanical Report. Birds and Wildlife in Cumbria : 2005. 177-181. Cumbria Naturalists Union. [**Species and hybrids new to Cumbria** :- Abraham-Isaac-Joseph. Alpine Bostort. Baby's Breath. Box-leaved Honeysuckle. Dandylions (*Taraxacum cambricum*. *T. spiculatum. T. acutifidum*. *T. cophocentrum*. *T. corynodes. T. densilobum. T. laeticolor*. *T. undulatum).* Dwarf Cornel. Fragrant Orchid. Galingale. Glory-of-the-Snow. Globeflower. Grass (*Festuca x fleischeri* (*F. arundinacea x F. gigantea*). Hairy Finger-grass. Lady's-Mantle. Leopard Plant. Mugwort. Phacelia. Pondweed (*Potamogeton x gessnacensis* (*P. natans x P. polygonifolius*). Purple Mullien. Quinoa Rough Bristle-grass. Sedge (*Carex x elytroides (C. acuta x .C. nigra*).Small White Orchid.

Noteworthy records of species and hybrids scarce in Cumbria. :- Blue-eyed Mary. Broad-leaved Helleborines. Bullate Cotoneaster. Charlock**.** Common Wintergreen**.** Creeping Lady's-tresses**.** Dark-red Helleborine**.** Lesser Knotweed. Lesser Twayblade. Marsh Orchid (*Dactylorhiza purpurella var cambrensis*). Northern Hawks-beard. Spring Gentian. Water Sedge. White Mustard. Willow hybrid (*Salix ludificans* (*S. aurita x S. phylicifolia*).

The status of the Fragrant Orchid (Gymnadenia) in Cumbria. :- Common fragrant Orchid. Heath Fragrant Orchid. Marsh Fragrant Orchid]. [Flora].

2007 Cumwhitton Moss & River Eden, Cumbria. Field Meeting : 4th, August, 2007. Brit. Pter. Soc. Bull. **6**, (6), 486-487. [Ferns].

2007 Joint Authors : Jermy, A.C., Simpson, D.A., Foley, M.J.Y & **Porter, M.S**. Sedges of the British Isles. 3rd Edition. Botanical Society of British Isles. [Flora].

2007 "Plant Record **152/16.65** x **67** *Carex xelytroides* (*C. acuta* x *C. nigra*) V.C. 69, Westmorland : with both parents in marsh west of roman Camp, Ambleside. NY 371034. M.S.Porter, 2005, conf. A.O.Chater, **LANC**. First Vice-county record." Watsonia. **26**, (3), February, 405. [Flora].

2007 Sub-Editor. Botanical Report. Birds and Wildlife in Cumbria : 2006. 179-182. Cumbria Naturalists Union. [**Species and hybrids new to Cumbria**. **:-** Black Chokeberry. Bramble (*Rubus distractiformis*). Chinese Lanterns. Common Helleborine /Dark-red Helleborine hybrid. Dandelions (*Taraxacum kemianum*. *T. tumentilobum*. *T.latissimum*. *T. adiantifrons*). Eyebrights. Garden Honeysuckle. Giant Rhubarb. Heath Spotted Orchid. Hoary Mullien. Horned Pansy. Japanese Barberry. Japanese Knotweed. Large-flowered Pink Sorrel. Least Duckweed. Marsh Spurge. New Zealand Holly. Northern Yellow-cress. Pansy (Hybrid : *Viola xcontempta*) Southern Marsh Orchid. Tartarian Honeysuckle. Thick-leaved Stonecrop. Tomato (*Lycopersicon esculentum*). Umbrella Sedge. Yellow Monkswort.

Noteworthy records of species and hybrids scarce in Cumbria :- Black Alpine-sedge. Lesser Bladderwort. Maidenhair Fern. Pillwort. Pyramidal Bugle. [Flora].

2008 Botanical Report : 2007. Birds and Wildlife in Cumbria : 2007. 179-182. Cumbria Naturalists Union. [**Species and hybrids new to Cumbria :-** Barberry. Boxleaf Hebe. Cappadocian Maple. Dandelions (*Taraxacum lacerifolium* and *T. cestrense*). Diels Cotoneaster. Firethorn. Fuchsia (*Fuchsia magellanica*). Gold of Pleasure. Great Brome. Greater Quaking Grass. Great Lettuce (*L. virosa*). Hawkweed Oxtongue. Hjelmqvist's Cotoneaster. Hoary ragwort. Honeysuckle hybrids (*Lonicera x italica* and *L. x purpusii*). Jerusalem Cross. Northern Yellow-cress. Peach Tree. Peruvian Lily. Pheasant's tail Grass. Pink Knotweed. Scots Lovage. Shrubby Orache. Small-flowered Catchfly. Snowy Woodrush. Spineless Acaena. Tall Tutsan. Three-cornered Leek.

Trailing Bellflower. Tree Mallow. Yellow-flowered Strawberry.
Noteworthy records of species and hybrids scarce in Cumbria :- Crimson Clover. Greater Burnet Sage. Remote Sedge x False Fox Sedge hybrid -(*Carex x pseudoaxillaris* with *C. remota x C. obtrubae*). Wood Barley.
Orchids :- Bee Orchid (*Ophrys apifera*). Broad-leaved Helleborines (*Epipactis helleborine*). Common Spotted Orchids. Dark Red Helleborine x Broad-leaved Helleborine (*Epipactis atrorubens x E. helleborine*). Dune helleborine *(Epipactis dunensis tynensis*). Greater Butterfly Orchids (*Plantanthera chlorantha*). Marsh Orchids. Northern Fragrant Orchid x Northern Marsh Orchid (*Gymnadenia borealis x Dactylorhiza purpurella*). [Flora].

2008 Joint Author : Foley, Michael. Notes on the morphology of *Carex divulsa* s.l. (Grey Sedge). BSBI News. **108**, April, 12-14. [Flora].

2009 Botanical Report, 2008. Birds and Wildlife in Cumbria, 2008. 213-216. Cumbria Naturalists Union. [**Species and hybrids new to Cumbria, Non-native species** :- Fringed Campion. Spring Heath. Fringed Loosestrife. Photinia. Orange Cotoneaster. Round-leaved Cotoneaster. Parrot's Feather. Apple of Peru. Rosemary. Dandelion species (*Taraxacum subbracteatum*). Gallant Soldier. Pampas Grass. Alpine Squill. Grape-hyacinth. Three-cornered Leek. **Native species** :- Bloody Dock x Broad-leaved Dock. (*Rumex sanguineus x obtusifolius*). Wood Bitter-vetch. Bedstraw. Willowherbs. Hoary Willowherb. Short-fruited Willowherb. American Willowherb. Pale Willowherb and various hybrids. Green-flowered Helleborine. **Noteworthy records of species and hybrids scarce in Cumbria** : Small White Orchid. Tormentil. Early Purple Orchid. Fragrant Orchids. Frog Orchid. Twayblade. Saw-wort. Wood Bitter-vetch. Dark-red Helleborine. Broad-leaved Helleborine. Fly Orchid. Bird's nest Orchid. Lesser Butterfly. Greater Butterfly. Yellow-wort. Water Figwort. [Flora].

2009 North Lakes Odyssey. Field Meeting. 13th, June, 2009. Brit. Pter. Soc. Bull. **7**, (2), 146-147. [Ferns].

2009 "Plant Record **135/17.2**. *Picris hieracioides*. V.C. 69, Westmorland :one plant on verge of M6, Dillicar, Lowgill SD 622982. M.S.Porter,2007,. First record since 1970." Watsonia. **27**,(3), February,262. [Flora].

2009 "Plant Record **75/32.37** *Cotoneaster dielsianus*. V.C.69,Westmorland : west end of roadside crags, north side of A66, Dubwath. NY 194315. M.S.Porter. 2002, conf. J.Fryer, **LANC**, photo. New Vice-county record" Watsonia. **27**, (3), February, 267. [Flora].

2010 Botanical Report, 2009. Birds and Wildlife in Cumbria, 2009. 220-223. Cumbria Naturalists Union. [**Non-native species new to Cumbria** : Woad. Motherwort. False Virginia-creeper. Pale Corydalis. Western Sword Fern. Nettle-leafed Mullien. Argentinian Vervain. Guernsey Fleabane. **Native species new to Cumbria** : Narrow-leaved Marsh Orchid. Milk Parsley. Southern Wood-rush. Northern Dock. Broad-leaved Dock. Curled Dock. **Noteworthy records of species and hybrids scarce in Cumbria**. Chickweed Wintergreen. Southern Marsh Orchid. Northern Marsh Orchid. Tunbridge Filmy Fern. Wilsn's Filmy Fern. Fly Orchids. Frog Orchid. Coralroot Orchid. Hybrid Common Spotted Orchid x Early Marsh Orchid. Common Spotted Orchid var. alpina. Black Poplar]. [Flora] [Trees].

2011 Botanical Report, 2010. Birds and Wildlife in Cumbria, 2010. 184-187. Cumbria Naturalists Union. [**Non-native species new to Cumbria** : White Gem Hebe. Lesser Glory-of-the-snow. Swedish Service-tree. Rum (or Black) Cherry. Japanese Holly Fern. Japanese Red-cedar. Red Lungwort. **Native species new to Cumbria** : Tunbridge Filmy-fern. Wilson's Filmy-fern. Woolly Thistle. Deergrass. Northern Deergrass. Cross-leaved Heath. Ling. Hybrid : Narrow-leaved Marsh Orchid *Dactylorhiza traunsteinerioides* var. *lapponica* x Heath Spotted Orchid. **Noteworthy records of species and hybrids scarce in Cumbria** : Common Spotted Orchid. Green-flowered Helleborine. Frog Orchid. Smooth Cat's-ear. Rock Samphire. Common Centaury. Sea Spurge. Portland Spurge. Few-flowered Garlic. Maiden Pink. **The Cumbria Rare Plant Register.** [Flora].

2013 Botanical Report, 2012. Birds and Wildlife in Cumbria 2012. A County Natural History Report. Cumbria Naturalists Union. pp 235-236. **Non-native species new to Cumbria** : Barbary. Black Poplar. Broad-leaved Cockspurthorn. Caucasian Crosswort. Crimson Clover. Entire-leaved Cotoneaster. *Saxifraga x geum (S. hirsute x umbrosa).* Tibetan Cotoneaster. Upright Spurge. Wood Spurge. **Native species new to Cumbria** : Brambles (*Rubus rufescens*). Dandelion (*Taraxacum procerisquameum*). **Noteworthy records of species and hybrids scarce in**

Cumbria : Alexanders. Creeping Spearwort. Field Pepperwort. Basil Thyme. Cutleaf Blackberry. Northern Hawkweed. Marsh Hawkweed. Narrow-leaved Marsh Orchid. Common Spotted Orchid. Also details concerning **The Cumbria Rare Plant Register (RPR).**

2014 Joint Author : Halliday, Geoffrey. The rare Plant Register of Cumbria. Trollius Publications.

PORTER, R. F.

1969 Review :- Birds on the British Isles and their eggs by T.A.Coward. Edited and revised by J.A.G.Barnes. Warne. 1969. British Birds. **62**, (10), October, 449-450.

POSTLETHWAITE, J.

1883 Graptolites of the Skiddaw Slates. Transactions of the Cumberland Association for the Advancement of Literature and Science. **8**, 37-53. [Geology]

1885 Trilobites of the Skiddaw Slates. Transactions Cumberland and Westmorland Association for the Advancement of Literature and Science. **10**, 71-80. With plates. [Fossils] [Geology].

POSTLETHWAITE, T. N. (Hallthwaite, Milburn).

1884 Birds of South Wales. Zoologist. 1884 : 272-273.

1884 Note on the Nightjar. Zoologist. 1884 : 340. [Birds].

1884 Notes on the birds of Berkshire. Zoologist. 1884 : 487-488.

1885 Late nesting of the Yellowhammer. Zoologist. January, 30. [Location : Millom]. [Birds].

1886 Ornithological notes from South Cumberland. Zoologist. July, 300-301. [Location : Millom]. [Birds].

1888 A morning at the flynets on the River Duddon Estuary. Zoologist. May, 190. [Fish].

1888 Curiosities in nesting in Cumberland. Zoologist. August, 308.[Includes : Jackdaws, Moorhen & Water Ouzel]. [Birds].

POTTER, Beatrix.

n.d. Author : Sylvester Heelis : A short history of the Heelis Family. Thesis : Kendal Archive Service. (Includes Chapter 8. Beatrix Potter pp 37-41).

1977 Author : Hanson-Smith, Christopher. Peter Rabbit saves a farm. Lakescene. February. p27. [Troutbeck Park Farm] [Herdwick Sheep. [Mammals].

1967 Findlay, Walter Philip Kennedy. Wayside and Woodland Fungi. Illustrations by Beatrix Potter. Warne.

1993 Anon : Review of A Victorian Naturalist : Beatrix Potter's Drawings from the Armitt Collection. Authors : Anne Stevenson Hobbs., Mary Noble and Eileen Jay. Warne. Cumbria. **43**, (1), October, 39-40.

1997 Mitchell, W.R. Tracking down the real Beatrix Potter. Cumbria. **47**, (4), July, 29-31. [Village of Sawrey]. [Biography.

1997 Author : Findlay, Walter, P. K. Wayside and Woodland Fungi. Warne. [Illustrations selected from the Beatrix Potter Archives at the Armitt Museum].

1988 Author : Davies, Hunter. Beatrix Potter's Lakeland. Frederick Warne. 0 7232 35201. [Includes chapter on Flowers, Fungi & Garden].

2001 Hollindale, Peter. Beatrix Potter and Natural History. **In :-** Beatrix Potter Studies. **9**. Beatrix Potter Society.

2002 Authors : Jay, Eileen., Noble, Mary., Hobbs & Anne Stevenson A Victorian Naturalist : Beatrix Potters drawings from the Armitt Collection. F. Warne. 0 7232 39908. [Biography].

2002 Mentioned **In :-** Ratcliffe, D. Lakeland. Harper Collins. [Mycology]. [Fungi].

2005 Hobbs, Anne Stevenson. Beatrix Potter : Artist and Illustrator. Dulwich Picture Gallery / F. Warne. [Biography].

2010 Beatrix Potter Society. Conference July, 2010. Beatrix Potter and the Natural World. Beatrix Potter Studies. No **14**. 978-1-869980-27-6. [Includes : Chandler, Katherine R. How to be a naturalist by Beatrix Potter. 13-30. Primrose, Gary. The plants and flowers of Beatrix Potter's farms. 31-42. Lear, Linda. A crowded universe of small things. 43-58]. [Flora]. [Biography].

2012 Author : Jones, Eileen. The Other Tale of Beatrix Potter. Cumbria. **62**, (1), April, 64-67. [Fungi] [Mycology]. [Biography].

POTTINGER, Thomas. G.

1986 Estrogen-binding sites in the liver of sexually mature male and female brown trout, *Salmo trutta* L. Gen. Comp. Endo. **61**, 120-126. [Fish].

1987 Androgen binding in the skin of mature male brown trout, *Salmo trutta* L. General and Comparative Endocrinology. **66**, 224-232. [Fish].

1987 Joint Author : Pickering, A.D. Androgen levels and erythrocytes in maturing brown trout. *Salmo trutta* L. Fish Physiology and Biochemistry. **3**, 121-126. [Fish].

1988 Joint Authors : Pickering, A.D. & **Pottinger, T.G.** Lymphocytopenia and the over winter survival of Atlantic salmon parr, *Salmo trutta* L. Jnl. Fish. Biology. **32**, 689-697. [Fish].

1988 Seasonal variation in specific plasma-and target-tissue binding of androgens, relative to plasma steroid levels, in the brown trout, *Salmo trutta* L. General and Comparative Endocrinology. **70**, 334-344.[Fish].

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1989 Sub-Editor. Plant Report : 1988. Birds in Cumbria : Spring, 1989. 70-76. Assn. Nat. Hist. Soc. in Cumbria. [**Rise and fall of plant populations** (p70-71) includes :- Basil Thyme. Birdsfoot. Danewort. Heath Cudweed. Lesser Broomrape (Nil Report). Lucerne. Narrow-leaved Everlasting Pea. Pale Toadflax. Purple Broomrape. Pyramidal Orchid. Spignel Meu. Stagshorn Clubmoss. **Flora of Cumbria** : List received from Geoffrey Halliday. *Anemone ranunculoides. Carex divulsa. Crassula helmsii. Crepis setosetosa. Echinops sphaerocephalus. Galeobdolon argentatum. Geranium x magnifcum Hypericum x forrestii. Hypochaeris glabra. Lychnis coronaria. Mentha spicata longifolia. Mespilus germanica. Myosotis scorpoides x caespitosa. Nyphoides peltata. Oenothera novae-scotica. Oxalis exilis. Peltiphyllum peltatus. Polystichum setiferm x aculeatum.*

Arnside and surroundings. Arnside Natural History Society. Records supplied Charles and Margaret Webb. :- Adders Tongue. Beech Fern. Corn Spurry. Herb Paris. Large Hemp-nettle. Limestone Polypody. Meadow Saxifrage. Oak Fern. Sea Lavender. Spiked Speedwell. Spring Cinquefoil. Sweet Briar. Sweet Violet. Toothwort. Winter Aconite. Yellow Star of Bethlehem. **Trees** : Small-leafed Lime. Wild Service Tree.

Cumbrian Coast : Barrow and South Walney Reserve. Records supplied by Tim Dean and Anne Riddell. :- Birds-eye Primrose. *Cynoglossum officinale*. Deadly Nightshade. Dutch Rush. *Echium vulgare*. *Eryngium martimum*. *Geranium sanguineum lancastriense*. Giant Bellflower. Globe Flower. Greater Horsetail. Horseshoe Vetch. *Mertensia maritima*. Nodding Bur-Marigold. *Ophrys apifera*. *Osmunda regalis*. Pepper Saxifrage. Rest Harrow - white variation. Sand Leek. Sea Kale. Sea Spleenwort. Trifid Bur-Marigold. Violas. White Bryony.

Shrub :- Alder Buckthorn.

Kendal and surroundings (Kendal Support Group, Cumbria Wildlife Trust). Information supplied by A.A Marshall. Records include :- Agrimony. Bog Asphodel. Bogbean. Bog Rosemary. Carline Thistle. Columbine. Common Twayblade. Cranberry. Daisy Yarrow. Globe Flower. Herb Paris. Lily of the Valley. Pink Purslane. Ploughman's Spikenard. Ragged Robin. Sweet Briar. Travellers Joy. Welsh Poppy.

Trees :- Hawthorne. Hornbeam. Spindle.

North Cumbria, Lowland (Eden Field Club). Information supplied by :- Roderick Corner. Terry Wells. Judy Naylor. Mike Porter. Records include :- Bladder Campion. Butchers Broom. Clustered Bellflower. Chickweed Wintergreen. Crow Garlic. Dusky Cranesbill. Evening Primrose. Gagea Lutea. Golden Saxifrage. Great Knapweed. Herb Paris. Kidney Vetch. Small Burgloss. Small-fingered Sedge. Toadflax. Toothwort. White Campion. Wild Celery. Yarrow Broomrape. Yellow Archangel. Yellow Star of Bethlehem.

North Cumbria : Pennine. (Eden Field Club). Information supplied by Terry Wells. :- Alpine Cinquefoil. Alpine Forgetmenot. Birds-eye Primrose. Golden Rod. Grass of Parnassus. Great Sundew. Hoary Whitlow Grass. Marsh Arrowgrass. Mountain Everlasting. Oblong-leaved Sundew. Pink Purslane. Roseroot. Spring Gentian. Spring Sandwort. Starry Saxifrage. Three-flowered Rush. White-beaked Sedge. Yellow Marsh Saxifrage.

Alien Plants : *Ammi major*. Cotoneasters. Dames Violet. False Acacia. Lupins. Medlar. Tassle Hyacinth.

Weather and Flowering : Goldilocks. Green Hellebore. Stinking Hellebore. Winter Heliotrope. [Flora].

1990 Sub-Editor. Orchid list : 1989. Birds in Cumbria : Spring, 1990. 87. Cumbria Naturalists Union.

[Orchid list in the order presented. **April** : Early Purple Orchid. Lesser Twayblade. **May** : Coral Root Orchid. **June** : Fly Orchid. Bee Orchid. Common Twayblade. Frog Orchid. Fragrant Orchid. Greater Butterfly Orchid. Small White Orchid. **July** : Bog Orchid. Dune Helleborine. Marsh Helleborine. Common Spotted Orchid. Marsh Orchid. Northern Fen Orchid. **August/September** : Heath Spotted Orchid. Broad-leaved Helleborine. Dark Red Helleborine. Lesser Butterfly Orchid. Pyramidal Orchid. Autumn Lady's Tresses. Green-Winged Orchid. Bird's-nest Orchid. Creeping Lady's Tresses. Narrow-Lipped Helleborine. [Flora].

1990 Sub-Editor. Plant Report : 1989. Birds in Cumbria : Spring, 1990. 83-87. Cumbria Naturalists Union.[**Conservation and environmental matters** : Autumn Lady's Tresses. Fingered Sedge. Green Hellebore. Green-Winged Orchid. Hairy Violet. Heath Sedge. Marsh Cinquefoil. Spiked Speedwell. Teesdale Violet. White Star of Bethlehem.

Kendal and surroundings (Kendal Support Group, Cumbria Wildlife Trust). Information supplied by : - A.A,.Marshall. :- Adder's Tongue Fern. Bird's Eye Primrose. Blinks. Bog Bean. Bog Pimpernel. Broad Buckler Fern. Dames Violet. Golden Rod. Hart's Tongue Fern. Heath Dog Violet. Lemon-scented Mountain Fern. Lesser Spearwort. Marsh Cinquefoil. Pink Purslane. Ragged Robin. Square-stalked Willow Herb. Three-veined Sandwort. Yellow Pimpernel.

Shrubs / Trees :- Broom. Guelder Rose. Small-Leaved Lime. Spindle. Tutsan. Western Gorse.

New Sightings : Adder's-tongue Fern. Autumn Crocus. Black Horehound. Dames Violet. Evening Primrose (Hybrid). Greater Chickweed. Indian Strawberry. Limestone fern. Maiden-Hair Fern. Meadow Saffron. Moonwort. Sea Rocket. Sorrel (Oxalis exilis). Spurge (*Euphorbia x pseudo-virgatum* ssp foetidus). Twiggy Mullein. Water Horse-tail. Whorled Clary. Wild Teasel.

North Cumbria/Pennines. Information supplied by Linda Reinecke :- Bearberry. Bog Orchid. Bog Pimpernel. Golden Rod. Green Spleenwort. Lesser Bladderwort. Moss Campion. Mountain Everlasting. Oblong-leaved Sundew. Purple Saxifrage. Roseroot. Stone Bramble.
Weather influences : Winter Heliotrope.
West Cumbria (Maryport Natural History Society) :- Black Horehound. Blinks. Blood-drop Emlets**.** Bog Aspodel. Bog Pimpernel. Bristle Club Rush. Butcher's Broom. Dutch Rush. Dwarf Gorse. Dyer's Greenweed. Eyebright. Field Gentian. Grass of Parnassus. Greater Knapweed. Hoary Mugwort. Lesser Skull Cap. Marsh St. John's-Wort. Marsh Valerian. Marsh Willow Herb. Meadow Saffron. Mountain Everlasting. Oyster Plants. Pearly Everlasting. Pellitory-of-the-Wall. Purple Broomrape. Pyramidal Orchid. Restharrow. Slender Rush. Star of Bethlehem. White-Beak Sedge. White Butterbur. Whorled Clary. Wood Vetch.
Tree : Medlar (*Mespilus germanica*). Also a marshy Field at Broughton Moor has now been designated to pen-cast", resulting in the loss of the following plants : Bristle Club Rush. Common Spotted Orchids. Lesser Butterfly Orchids. [Flora].

1991 Sub-editor. Ferns in Cumbria. (Records include : Adder's Tongue Fern. Beech Fern. Black Spleenwort. Broad Shield Fern. Dutch Rush. Forked Spleenwort. Harts Tongue Fern hybridised with Broad Male Fern. Hay-scented Buckler Fern. Lanceolate Spleenwort. Limestone Fern. Moonwort. Oak Fern. Prickly Shield. Rigid Buckler. . Royal Fern. Tunbridge Filmy Fern. (See also Malcolm Hutcheson (1991). [Flora].

1991 Sub-Editor. Orchid Report : 1990. Birds in Cumbria : Spring, 1991. 87-88. Cumbria Naturalists Union. [Orchids listed :- Autumn Ladies Tresses. Bee Orchid. Birds Nest Orchid. Bog Orchid. Common Helleborine. Common Spotted Orchid. Dark Red Helleborine. Early Marsh Orchid. Early Purple Orchid. Fly Orchid. Fragrant Orchid. Frog Orchid. Greater Butterfly Orchid. Green-winged Orchid. Heath Spotted Orchid. Lesser Butterfly Orchid. Marsh Orchid. Northern Marsh Orchid. Pyramidal Orchid. Small White Orchid. Sword-leaved Helleborine. Twayblade]. [Flora].

1991 Sub-Editor. Plant Report : 1990. Birds in Cumbria : Spring, 1991. 83-89. Cumbria Naturalists Union. [**Arnside Natural History Society**. Information supplied by Charles Webb :- Bee Orchid. Greater Burnet. Northern Bedstraw. Pepper Saxifrage. Saw-wort. White Butterbur. White Star of Bethlehem. **Shrub** : Daphne mezereum (White variety)]. [Flora].
Barrow Naturalists Field Club. Information supplied by Beryl Fisher :- Bog Rosemary. Cypress Spurge. Dittander. Duke of Argyll's Tea Plant. Everlasting Pea. Fairy Foxglove. Few-flowered Fumitory. Giant Knotweed. Grass-leaved Orache. Horse Mint. Isle of Man Cabbage. Lax Sea Lavender. Montbretia. Pearly Everlasting. Tassle Hyacinth. Tree Lupin. Turk's Cap Lily. Walney Geranium. Yellow Bartsia].
Flora of Cumbria : <u>New plants</u> : *Alchemilla mollis*. Goatsbeard Spiraea. Grass Vetchling. Green Bristle-grass. Hairy Rocket. Imperforate St John's Wort. Long-leaved Speedwell. Lovage. Marsh Mallow. Shallon. Spiraea media. Tuberous Comfrey. Venus's Looking-glass. Yellow Chamomile. **<u>Records of non-native species</u>** : *Allium paradoxum. Anemone blanda. Buddleja glabosa. Calendula officinalis. Cotoneaster sternianus. Hemerocallis lilioasphodelus. Iris foetidissima. Lonicera involucrata. Paeonia officinalis. Papaver orientale. Polygonum campanulatum. Robinia pseudoacacia. Symphoricarpos orbiculatus*.. <u>Three plants not seen since 1930</u> : Dwarf Elder or Danewort. Field Mouse Ear. Thin-spiked Wood Sedge.
Foulney Island Reserve. Information Supplied by John Richardson and Mark O'Neill :- Orache (Three types : Atriplix hastata, A. littoralis, A patula). Sea Campion. Sea Sandwort. Sea Scurvy. **Grasses.** Thyme-leaved Sandwort. Grasses : Field Woodrush. Marram Grass. Sea Hard Grass. Spiked Sedge].
Kendal Natural History Society and Cumbria Wildlife Trust (Kendal Support Group). Information supplied by Tony Marshall and Sarah Harvey :- Birds-eye Primrose. Bogbean. Broad-leaved Helleborine. Bulbous Lesser Celandine. Dittander. Fly Orchid. Goldilocks. Grass- leaved Orache. Greater Bladderwort. Greater Butterfly Orchid. Hairy St. John's wort. Japanese Butterbur. Lily of the Valley. Marsh Cinquefoil. Meadow Saxifrage. Moschatel. Mountain Everlasting. Narrow-leaved Everlasting Pea. Perennial Cornflower. Ploughman's Spikenard. Red Bartsia. Skunk Cabbage. Three-veined Sandwort. Wild Mignonette.
Keswick Natural History Society. Information supplied by Linda Reinecke :- *Aquilegia vulgaris*. Birds-eye Primrose. Chickweed Willow Herb. Felwort or Autumn Gentian. Globe

Flower. Heath Spotted Orchid. Meadow Rue. Mossy Saxifrage. Mountain Sorrel. Northern Bedstraw. Purple Saxifrage. Roseroot. Scurvy Grass. Starry Saxifrage.
Maryport Natural History Society. Information supplied by Denis Wildridge :- Alexanders. Asarabacca. Barren Fescue. Birdsfoot. Black Horehound. Bladder Campion. Bullwort. Colombine. Cow-berry. Creeping Bellflower. Creeping Jenny. Duke of Argyll's Tea Tree. Dwarf Comfrey. Everlasting Pea. Field Gentian. Field Pansy. Fringe Cups. Globe Flower. Golden Rod. Honeysuckle (*Lonicera ledebourii*). Leopards Bane. Lungwort. Moschatel. Prostrate Juniper. Purple Broomrape. Pyramidal Orchid. Sand Leek. Shaster Daisy. Shrubby Cinquefoil. Siberian Burgloss. Skull-cap. Slender Cudweed. Solomon's Seal. Spring Snowflake. White Restharrow. Winter Aconite. Wood Anemone. Yellow Archangel. **Lichen** : *Ramalina fastigiata*. [Flora].

1992 Sub-Editor. Orchid Report : 1991. Birds in Cumbria : Spring, 1991. 90. Cumbria Naturalists Union. [Autumn Lady's Tresses. Bee Orchid. Birds Nest Orchid. Bog Orchid. Broad-leaved Helleborine. Common Spotted Orchid. Coralroot Orchid. Creeping ladies Tresses. Dark Red Helleborine. Dune Helleborine. Early Purple Orchid. Fly Orchid. Fragrant Orchid. Greater Butterfly Orchid. Green winged Orchid. Heath Spotted Orchid. Marsh Helleborine. Northern Marsh Orchid. Pyramidical Orchid. Twayblade. [Flora].

1992 Sub-Editor. Plant Report : 1991. Birds in Cumbria : Spring, 1991. 86-91. Cumbria Naturalists Union. [**Arnside Natural History Society**. Information supplied by C. Webb **:-** Autumn Ladies Tresses. Blue Moor Grass. Common Broomrape. Deadly Nightshade. Eyebright. Felwort (Autumn Gentian). Field Gentian. Goldilocks Buttercup. Green Hellebore. Green Winged Orchid. Hairy Violet. Heath Sedge. Herb Paris. Musk Mallow. Ox-eye Daisy. Spiked Speedwell. Spring Cinquefoil. Squincywort. Teesdale Violet. Toothwort. Vinca minor. White Star of Bethlehem. Wood Anemone (Yellow flowers). Wood Sage. Yellow Star of Bethlehem.
Barrow Naturalists Field Club. Information supplied by B. Fisher :- Adders Tongue Fern. Bladdernut. Cliff Meadow Rue. Coral Root Orchid. Dune Helleborine. Dune Lettuce. Dusky Cranesbill. Early Purple Orchid. Fly Orchid. Giant Butterbur. Hoary Rock Rose. Skunk Cabbage. Tassle Hyacinth. Winter Heliotrope.
Tree : Spindle Tree.
Carlisle Natural History Society. Information Supplied by E.H.Rhone :- Bird's Nest Orchid. Bog Pimpernel. Climbing Corydalis. Common Broomrape. Lesser Butterfly Orchid. Long-leaved Sundew. May Lily. Old Man's Beard. Orpine. Pink Purslane. Ribbed Meliot. Saw-wort. Stone Bramble.
Ferns :- Adder's Tongue Fern. Moonwort.
Cumbria Wildlife Trust (Kendal Branch). Information supplied by :- T. Marshall and C. Wilde :- Dark Red Helleborine. Fly Orchid. Ploughman's Spikenard, Travellers Joy.
Ferns :- *Athyrium felix-femina*. *Azolla filiculoides*. *Dryopteris dilatata*. *Dryopteris Felix-mas*. Maiden Hair Spleenwort (*Asplenium trichomanes*). *Polypodium vulgare*.
Sedges and Rushes :- Bottle Sedge. Carnation Sedge. Common Sedge. Field Woodrush. Flea Sedge. Heath Woodrush. Star Sedge.
Shrubs : Cotoneaster : *simonsil* and *horizontalis*.
Kendal Natural History Society. Information supplied by S. Harvey :- Aquilegia (Pale blue). Birds Eye Primrose. Dune Orchid. Green flowered Helleborines. Henbane. Hounds tongue. Marsh Orchid. Portland Spurge. Round-leaved Wintergreen. Vipers Burgloss. Yellow Bird's Nest. Yellow Horned Poppy.
Fern : Royal Fern. [Ferns].
Keswick Natural History Society. Information supplied by L. Reinecke : Aconites. Alpine Enchanter's Nightshade. Burnett Saxifrage. Daffodils. Roseroot. Snowdrops. Summer Snowflake. Wintergreen (unidentified).
Maryport Natural History Society. Information supplied by D. Wildridge :- Bittersweet. Bloody Cranesbill. Blue Alkanet. Butterfly Orchid. Columbine. Common Mullein. Dames Violet. Dyer's Greenweed. Evening Primrose. Flag Iris. Grape Hyacinth. Heath Spotted Orchid. Lesser Butterfly Orchid. Marsh Cinquefoil. Mullein hybrid(*Bombyciferum verbascum*). Northern Marsh Orchid. Orpine. Pale Toadflax. Purple Broomrape. Soapwort. Star of Bethlehem. Tassle Hyacinth Teasel. Vipers Burgloss.
Rushes : Bullrush or Common Club Rush. [Flora].

1993 Sub-Editor. Fern Report : 1992. Birds in Cumbria : Spring, 1992. 84. Cumbria Naturalists Union. :

Ferns listed are as follows :- Adder's Tongue Fern. Beech Fern. Black Spleenwort. Brittle Bladder Fern. Green Spleenwort. Hard Fern. Lemon Scented Fern. Limestone Polypody. Maidenhair Fern. Moonwort. Oak Fern. Parsley Fern. *Polypodium cambrium*. Rusty Backed Fern. Scaly Male Fern. [Flora]. [Ferns].

1993 Sub-Editor. Orchid Report : 1992. Birds in Cumbria : Spring, 1992. 85. Cumbria Naturalists Union. Orchids in Cumbria :- Autumn Lady's Tresses. Bee Orchid. Bird's Nest Orchid. Broad-leaved Orchid. Common Spotted Orchid. Coral Root Orchid. Dark Red Helleborine. Dune Helleborine. Early Marsh Orchid. Early Purple. Fly Orchid. Fragrant Orchid. Greater Butterfly Orchid. Green Winged Orchid. Lesser Butterfly Orchid. Northern Marsh Orchid. Pyramidal Orchid. Twayblade. [Flora].

1993 Sub-Editor. Plant Report : 1992. Birds in Cumbria : 1992. 79-85. Cumbria Naturalists Union. [**Arnside Natural History Society**. Information supplied by : - C. Webb. Adder's Tongue Fern. Alternate-leaved Golden Saxifrage. Common Bugle (White variety). Common Sea Lavender. Daphne mezereum. Deadly Nightshade. Felwort. Giant Eryngium. Greater Stitchwort. Green Hellebore. Hairy Dog Violet. Large Bittercress. Musk Mallow. Opposite-leaved Golden Saxifrage. Rock Sea Lavender. Salsify (*Tragopogon porrifolius*). Spiked Speedwell. Stinking Hellebores (also known as Setterwort). Wood Cranesbill. Wood Stitchwort. Yellow Star of Bethlehem. [Flora].

Barrow Naturalists Field Club. Information supplied by : Mrs B. Fisher :- Bladdernut. Blue Sowthistle. Bur Marigold. Creamy Butterbur. Few-flowered Leek. Globe Flower. Great Water Dock. Henbit. Ploughman's Spikenard. Rock Spray. Tree Lupin. Walney geranium.

Fungi :- *Morchella elata. Morchella vulgaris*. (Morels).

Foulney Island (Cumbria Wildlife Trust). Information supplied by J. Richardson. :- Changing Forget-me-not. Common Sea Lavender. Scurvey Grass. Sea Campion. Sea Rocket. Sea Sandwort.

Small Flowered Crane's-bill. Vipers Burgloss. Yellow-horned Poppy.

Grasses : Common Cord Grass. Lyme Grass. Marram. Red Fescue. Sea Couch Grass. Sea Hard Grass. [Flora].

Grange Natural History Society. Information supplied by J. Adams. :- Fern (*Polypodium cambrium*). Lesser Water Plantain.

Kendal Natural History Society. Information supplied by : Mrs S. Harvey and M. Hutcheson :- Adders Tongue Fern. Alpine Cat's-foot. Autumn Hawkbit. Black Bindweed. Branched Bur-reed. Broad Leaved Helleborine. Carline Thistle. Common Spotted Orchid. Common Twyblade. Dark Red Helleborine. Dune Helliborine. Early Purple x Fragrant Orchid. Early Purple Orchid. Enchanters Nightshade. Fairy Flax. Fragrant Orchid. Greater Butterfly Orchid. Hairy Bird's foot Trefoil. Heath Groundsel. Hemlock Water Dropwort. Herb Christopher (or Baneberry). Herb Paris. Hoary Whitlow Grass. Isle of Man Cabbage. Lax-flowered Sea Lavender. Leopard's Bane. Marsh Pennywort. Marsh Moonwort. Marsh Stitchwort. Marsh Valerian. Moonwort. Moschatel. Musk Mallow. Ploughman's Spikenard. Purple Loosestrife. Red Bartsia. Rock Rose. Sea Radish. Small Meadow Rue. Solomon's Seal. Spear-leaved Willow Herb. Spiked water milfoil. Spineless Hornwort. Spring Sandwort. Spurge Laurel. Squinancywort. Traveller's Joy. Valerian. Walney Geranium. Water Avens. Wild Aquilegia. Wood Pimpernel. Wood Sorrel. Yellow Bartsia. Yellow-eyed Grass. Yellow Pimpernel.

Trees :- Swedish Whitebeam. Wayfaring Tree. Wild Service Tree.

Keswick Natural History Society :- Broadleaved Helleborine. *Convallaria majalis*. Grass of Parnassus. *Saxifrage oppositifolia*.

Maryport Natural History Society (West Cumbria). Information supplied by Mrs L.Reinecke :- Common Broomrape. Common Twyblade. Greater Knapweed. Herb Paris. Northern Marsh Orchid. Narrow Everlasting Pea. Purple Broomrape. Pyramidal Orchid. Sanfoin.

1994 Sub-Editor. Plant Report : 1993. Birds in Cumbria : 1993. 82-86. Cumbria Naturalists Union. **Arnside Natural History Society**. Information supplied by Mr C.Webb :- Autumn Gentian. Autumn Lady's Tresses. Blue Globe Thistle. Common Centaury. Common Spotted Orchid. Coral Root Bitter Cress. Cowslips. Early Purple Orchid. Field Gentian. Fly Orchids. Goldilocks. Greater Butterfly Orchid. Green Hellebore. Green Winged Orchid. Knotted Hedge Parsley. Lesser Celandine. Ox-eye Daisy. Rock Sea Lavender. Rose Campion. Spiked Speedwell. Square-Stalked Willow Herb. Stinking Hellebore. Stinking Iris or the Roast Beef. Teesdale Violet. *Viola*

odorata. V. hirta. V. riviniana. White Butterbur. Winter Aconites.

Trees : Hazel. Wild Service Tree.

Barrow Naturalists Field Club. Information supplied by Mrs B. Fisher :- Butcher's Broom. Common Broomrape (Yellow flowers). Duke of Argyle's Tea Tree. Isle of Man Cabbage. Martagon lily. Variety of Orchids - not identified. Oregon Grape. Skunk Cabbage. Spring Squill. Star of Bethlehem. Tassle Hyacinth.

Carlisle Natural History Society. Information supplied by Mr Geoff Naylor :- Adder's Tongue. Alpine Catchfly. Annual Knawel. Bird's-foot Sedge. Bird's-nest Orchid. Broad-leaved Rag-Wort. Dwarf Mallow. Dwarf Milkwort. Greater Cuckoo flower (Discovered by F.J.Roberts). Hair Sedge. Hare's foot Clover. Heath Cudweed. Hedgerow Cranesbill. Lucerne. Masterwort. Moonwort. Mossy Saxifrage. Narrow-leaved Helleborine. Pepper Saxifrage. Salt Marsh Flat-sedge. Sanfoin. Sea Hard Grass. Sea Spurge. Stagshorn Club Moss. Tassle Hyacinth.

Fungi :- "A fungus foray to Miltonrigg Wood … produced over 80 species, notable included :- *Ascocoryne* cylichnium. *Thelephora palmata* and *T. terrestris*. *Russula heterophylla*.

Eden Field Club. Information supplied by Mr T. Wells :- Alpine cinquefoil. Alpine Forget-me-not. Burnet Saxifrage. Chick-weed Willow Herb. Common Spotted Orchid. Common Twayblade. Early Marsh Orhid. Early Purple Orchid. Eyebright. Field Gentian. Field Scabious. Fragrant Orchid. Frog Orchid. Grass of Parnassus. Hairy Stone-crop. Hoary Whitlow Grass. Marsh Hawksbeard. Saxifrage. Knotted Pearlwort. Lady's Bedstraw. Marsh lousewort. Marsh Valerian. Meadowsweet. Melancholy Thistle. Mountain Ever-lasting. Northern Bedstraw. Northern Marsh Orchid. Pimpernel-leaved willow herb. Roseroot. Rough Hawkbit. Small White Orchid. Sundew (*Drosera rotundifolia. D. angelica. D. intermedia*).Water Avens. Wild Thyme. Wood Anemone. Wood Cranesbill. Yellow Rattle. Zig-Zag clover.

Grasses : Alpine Cat's Tail. Foxtail Grass.

Sedges : Carnation Sedge. Common Sedge. Common Yellow Sedge. Flea Sedge. Glaucous Sedge. Oval Sedge. Pale Sedge. Pill Sedge. Star Sedge. Tall Bog Sedge. Tawny Sedge.

Kendal Natural History Society . Information supplied by Mrs S. Harvey :- Alpine Bartsia. Birds-eye Primrose. Alpine Bistort. Bee Orchid. Butterbur-family (*Petasites albus*). Caraway (*Carum carvi*). Coral Root Orchid. Dune Helleborine. Early Marsh Orchid. Grass of Parnassus. Great Lettuce. Herb Paris. Marsh Helleborine. Marsh Violet. Portland Spurge. Round leaved Wintergreen. Small Fleabane. Thyme-leaved speedwell. Toothwort. Western Gorse. Winter Helliotrope. Wood Sanicle.

Kendal Support Group (Cumbria Wildlife Trust). Information supplied by Mr Tony Marshall :- Bog Myrtle. Bog Rosemary. Broad Buckler Fern. Broad-leaved Helleborine. Common Polypody. Common Spotted Orchid. Common Twayblade. Hartstongue. Fly Orchid. Maiden-hair Spleenwort. Male Fern. Wall Rue.

Trees :- Alder. Scots Pine. Sessile Oak. Silver Birch.

Keswick Natural History Society. Information supplied by Mrs L. Reineke :- Alpine Lady's Mantle. Bilberry. Cowberry. Crowberry. Dwarf Willow. Fairy Flax. Golden Rod. Hairy Rock Cress. Hairy Thyme. Heather. Lesser Meadow Rue. Lesser Spearwort. Marsh Violet. Mossy Saxifrage. Northern Bedstraw. Purple Saxifrage. Red Campion. Rose Root. Small Meadow Rue. Spring Sandwort. Starry Saxifrage. Water Avens. Wild Angelica. Wood Anemone. Wood Cranesbill. Yellow Mountain Saxifrage.

Club Mosses :- *Huperzia selago*. *Diphasiastrum alpinum, Selaginella selaginoides*.

Grasses and Sedges :- Common Yellow Sedge. Fir Club Moss. Flea Sedge. Glaucous Meadow Grass. Green Spleenwort. Star Sedge. Stiff Sedge. Viviparous Fescue. White Beak Sedge.

Maryport Natural History Society. Information supplied by Mrs L. Reineke :- Adder's Tongue Fern. Common Sea Lavender. Early Purple Orchid. Lax-flowered Sea Lavender. Northern Marsh Orchid. Purple Broomrape. Pyramidal Orchid. Sancile. Spurge Laurel. [Flora].

1995 Sub-Editor. Plant Report : 1994. Birds in Cumbria : 1994. 85-89. Cumbria Naturalist Union.

Arnside Natural History Society. Information supplied by Charles Webb. Adders Tongue. Autumn Gentian. Autumn Lady's Tresses. Bee Orchid. Birds-nest Orchid. Common Centaury. Common Spotted Orchid. Coral Root Bittercress. Dark Red Helleborine. Early Marsh Orchid. Field Gentian. Fly Orchid. Golden Saxifrage. Green Winged Orchid. Large Bittercress. Marsh Fern. Moonwort. Narrow Buckler Fern. Narrow leaved Bittercress. Rue-leaved Saxifrage.

Sandwort. Sea Pearlwort. Spring cinquefoil. Twyblade.

Barrow Naturalists Field Club. Information supplied by Beryl Fisher :- *Alchemilla conjuncta*. Bee Orchid. Blue Eyed Grass. Centaury. Cliff Meadow Rue. Common Melitot. Common Spotted Orchid. Coral-root Orchid. Dusky Cranesbill. Early Marsh Orchid. Early Purple Orchid. Few flowered Leek. Fly Honeysuckle. Fly Orchid. Fragrant Orchid. Giant Horsetail. Globe flower. Goldilocks. Grass of Parnassus. Greater Butterfly Orchid. Great Woodrush. Herb Paris. Horseshoe Vetch. Leopards Bane. Lesser Butterfly Orchid. Moonwort. Moschatel. Mountain Everlasting. Oregon Grape. Peach-leaved Bell Flower. Toothwort. Vipers Burgloss. White Butterbur. White Melitot. Wild Columbine.

Carlisle Natural History Society. Information supplied by Geoff Naylor : Bottle Sedge. Brown Sedge. Carnation Sedge. Common Sedge. Common Twyblade. Early Purple Orchid. Flea Sedge. Fragrant Orchid. Frog Orchid. Glaucous Sedge. Goldilocks. Heath Spotted Orchid. Hoary Rockcress. Lancashire Whitebeam. Lesser Pond Sedge. Long-bracted Sedge. Northern Marsh Orchid. Portland Spurge. Prickly Sedge to be confirmed. Rock Samphire. Southern Polypody. Spiked speedwell. Spike Rush. Spotted Cat's Ear. Spring Sedge. Tawny sedge. Wood Rush.

Eden Field Club. Information supplied by M. Gregory. Adders Tongue Fern. Agrimony. Birds-nest Orchid. Bog Asphodel. Bog Rosemary. Broad Leaved Cotton Grass. Broad Leaved Helleborine. Butterwort. Cloudberry. Common Club Rush. Common Spotted Orchid. Cowberry. Cowslip. Cranberry. Cross-leaved Heath. *Drosera longifolia*. Dutch Rush. Dyers Greenweed. Early Marsh Orchid. Felwort. Frog Orchid. Globeflower. Grass of Parnassus. Hard Shield Fern. Juniper. Kidney Vetch. Lesser Butterfly Orchid. Lesser Twyblade. *Listera ovata*. Marestail. Melancholy Thistle. Moonwort. Parsley Fern. Pellitory-of-the Wall. Petty Whin. Prickly Sedge. Purple Loosestrife. Pyrenean Valerian. Round Leaved Sundew. Sand Spurry. Small Toadflax. Smith's Pepperwort. Stagshorn Clubmoss. Wall Whitlowgrass. Wilson's Filmy Fern.

Trees : Field Maple. Large Leaved Lime. Norway Maple. Thorn Apple.

Foulney Island (Cumbria Wildlife Trust). Information Supplied by C J.Richardson :- Cocksfoot. Common Cord Grasses. Creeping Soft Glass. Henbane. Marram Grass. Perennial Rye Grass. Red Bartsia. Red Fescue. Sea Beet. Sea Kale. Sheep's Fescue. Yellow-horned Poppy. Yorkshire fog.

Grange Natural History Society. Information supplied by S.Allen :- Bird's Eye Primrose. Bogbean. Columbine. Cowslip. Daphne laureola and D. mezereum. False oxslip. Giant Bellflower. Golden Rod. Goldilocks. Grass of Pernassus. Green Spleenwort. Hoary Rockrose. Maiden Hair Fern. Meadow Saffron. Monkshood. Moschatel. Norwegian Cinquefoil. Oxslip. Pink Purslane. Ploughman's Spikenard. Sheep's Bit. Spiked Speedwell. Vipers Burgloss. Water lilies (White and Yellow). White-beaked sedge.

Kendal Support Group (Cumbria Wildlife Trust). Information supplied by T. Marshall. :- Black Spleenwort. Bog Asphodel. Bog Bean. Bog Stitchwort. Bulbous Rush. Burnet Saxifrage. Carnation Sedge. Common Duckweed. Common Sedge. Compact Rush. Garlic Mustard. Goldilocks. Hart's tongue Fern. Heather (*Calluna vulgarus*). Heath Rush. Lesser Spearwort. Maiden-hair Spleenwort. Male Fern. Marsh Marigold. Marsh Pennywort. Marsh Speedwell. Oval Sedge. Parsley-piert. Pink Purslane. Ramsons. Sea Milk Wort. Sharp flowered Rush. Soft Rush. Star Sedge. Tubular Water Dropwort. Water Starwort. White Sedge. Wood Anemone. Wood Ruff. Wood Sorrel. Yellow pimpernel.

Kendal Natural History Society. Information supplied by Mrs S Harvey : - Autumn Gentian. Barberry. Bloody Cranesbill. Brittle Bladder Fern. Chaffweed. Common Broomrape. Common Rock Rose. Creeping Lady's Tresses. Eglantine. Hairy Violet. Hemlock. Hoary Rock Rose. Lily of the Valley. Long-stalked Cranesbill. Maiden-hair Spleenwort. Mignonette. Moonwort. Musk Mallow. Narrow-leaved Everlasting Pea. Purple Broomrape. Pyramidal Orchids. Ragged Robin. Red Bartsia. Ribbed Melilot. Rock Rose. Rue-leaved Saxifrage. Sand Leek. Sanfoin. Slender Heath Bedstraw. Squinancy wort. Small Scabious. Stinking Hellebore. Sweet Briar. Teesdale Violet. Tree Lupin. Wild cotoneaster. Winter Heliotrope. Wood Cranesbill.

Trees : Small-leaved Lime. Wild Service Tree.

Maryport Natural History Society. Information supplied by Mrs E. Marper :- Betony. Broad-leaved Helleborine. Celery-leaved Buttercup. Common Spotted Orchid. Frog Orchid. Globe Flower. Greater Butterfly Orchid. Hairy Tare. Harebells. Hart's Tongue. Kidney Vetch. Lesser Celandine. Marsh Pennywort. Ragged Robin. Salt Marsh Flat Sedge. Sea Beet. Sea Campion. Sea

Kale. Spiny rest Harrow. Wall Rue. Wild Strawberries (*Fragaria vesca*). Wood Sorrel. [Flora].

1996 Sub-Editor. Plant Report : 1995. Birds and Wildlife in Cumbria : 1995. 78-84. Cumbria Naturalists Union. Society Reports as follows :-

Ambleside Field Society. Information supplied by Sylvia Kaines :- Bird Cherry trees. Bird's-eye Primrose. Black Bryony. Bluebells. Bog Asphodel. Butterwort. Common Valerian. Early-purple Orchid. Goldilocks. Heath-spotted Orchid. Lousewort. Melancholy Thistle. Primroses. Sanicle. Sweet Cicely. Toothwort on a Sycamore stump. Wood-sorrel.

Arnside Natural History Society. Information submitted by Charles Webb :- Adder's-tongue fern. Alternate-leaved Golden-saxifrage. Autumn Gentian. Autumn Lady's-tresses. Baneberry Herb Christopher. Beech Fern. Bee Orchid. Coralroot. Common Dog-violet. Common Milkwort. Common Scurvygrass. Common Spotted-orchid. Common Twyblade. Common Whitlow Grass. Cornsalad (Lamb's lettuce). Cowslip. Danish Scurvygrass. Early Dog-violet. Early-purple Orchid. Field Gentian. Greater Butterfly-orchid. Green Hellebore. Green-winged Orchid. Guelder-rose. Hairy violet. Lesser Butterfly-0rchid. Marsh Valerian. Marsh violet. Mezeron. Northern Marsh Orchid. Oak Fern. Opposite-leaved Golden-saxifrage. Purging buckthorn. Rockroses. Rock Samphire. Snowdrop. Spiked Speedwell. Sweet violet. Teesdale violet. Avens. Wood Anemone. Wood Avens. Yellow Figwort. Yellow Star-of-Bethlehem.

Barrow Naturalists Field Club and Photographic Society. Information submitted by Beryl Fisher. Angular Solomon's-seal. Bugloss. Butcher's Broom. Columbine. Common Evening-primrose. Common Fleabane. Common Morel (Fungi). Common Spotted-orchid. Common Tyeblade. Coralroot Orchid. Fragrant Orchid. Greater Butterfly-orchid. Great Lettuce. Green Hellebore. Hare's -foot Clover. Heath Spotted-orchid. Henbane. Herb Paris. Hoary Plantain. Hound's-tongue. Isle of Man Cabbage. Leopard's bane. Marsh Cinquefoil. Narrow-lipped Helleborine. Northern Marsh Orchid. Oregon-grape. Rockspray or Small-leaved Cotoneaster. Sand Leek. Sickle Medick. Skunk-cabbage. Small Balsam. Spurge-laurel. Stinking Hellebore. Tassel Hyacinth. Toothwort. White Butterbur. Yellow-wort.

Carlisle Natural History Society. Information submitted by Geoff Naylor :- Beech Fern. Bird's-eye Primrose. Bird's-nest Orchid. Black Bog-rush. Common Butterwort. Creeping Lady's Tresses - colony destroyed near Welton. Downy Currant. Dwarf Gorse. Dwarf Milkwort. Early-purple Orchid. Field Gentian. Fir Clubmoss. Great Fen-sedge. Hoary Mugwort. Limestone Fern. Lucerne. Marsh Speedwell. Masterwort. Mountain Male-fern. Mugwort. Narrow Buckler-fern. Narrow-leaved Helleborine. Oak Fern. Petty Whin. Portland Spurge. Rigid Buckler-fern. Rue-leaved Saxifrage. Rustyback Fern. Sea Spurge. Sickle Medick. Soapwort. Spring Cinquefoil. Tassel Hyacinth. Toothwort. Trifid Bur-Marigold. Wilson's Filmy-fern.

Grange Natural History Society. Information submitted by J.Adams and David Benham :- Bee Orchid. Broad-leaved ragwort. Greater Butterfly Orchid. Lesser Bladderwort. Lucombe Oak. Marsh Helleborine. Mezereon. Pendulous Sedge. Round-leaved Wintergreen. Stinking Iris.

Kendal Natural History Society. Information submitted by Sarah Harvey. Angular Solomon's seal. Birds-eye Primrose. Birds-foot Sedge. Bloody Cranes-bill. Broad-leaved Helleborine. Common Marsh-bedstraw. Common Wintergreen. Dark Red Helleborine. Dyers Greenweed. Early Marsh Orchid. Fragrant Orchid. Frog Orchid. Greater Bird's-foot trefoil. Greater Butterfly-orchid. Heath-spotted Orchid. Herb Paris. Horse-radish. Jacobs Ladder. Lily-of-the-valley. Melancholy Thistle. Moonwort. Northern March Orchid. Portland Spurge. Pyramidal Orchid. Royal Fern. Sea Milkwort. Solomon's Seal. Stinking Hellebore. Thyme-leaved Speedwell. Tree Lupin. Triangular Club-rush. Wild Onion. Yellow Bartsia.

Kendal Support Group, (Cumbria Wildlife Trust). Information submitted by C.W.T. :- Angelica. Barren Strawberry. Bracken (Fern). Broad Buckler-fern. Broad-leaved Helleborine. Broom. Common Gromwell. Common Orache. Common Spotted-orchid. Common Twyblade. Corn Marigold. Dark Red Helleborine. Field Wood Rush. Great Wood Rush. Hart's-Tongue (Fern). Heath Wood Rush. Hemlock Water-dropwort. Herb-Robert. Himalayan Cotoneaster. Jointed Rush. Lady's Mantle. Maidenhair Spleenwort (Fern). Male-fern. Meadow Crane-bill. Monkeyflower. Moschatel. Ploughman's spikenard. Potentilla. Red Bartsia. Rigid Buckler-fern. Rustyback (Fern). Sanicle. Shining Cranes-bill. Silver weed. Soft Rush. Solomon's Seal. Toad Rush. Tormentil. Travellers Joy. Turnip. Wall Rue (Fern). Wild Basil. Wood Crane's-bill. Wood Rush.

Trees : Ash. Hawthorne. Hazel. Spindle. Sycamore.

Keswick Natural History Society. Information submitted by Linda Reineke :- Alternate-leaved Golden-saxifrage. Betony. Bitter-vetch. Buck's Beard. Common Spotted-orchid. Common Wintergreen. Fairy Flax. Goldenrod. Heath Spotted-orchid. Herb Robert. Melancholy Thistle. Mountain Everlasting. Pigmyweed. Small Scabious. Sneezewort. Stone Bramble. Wild Marjoram. Woodruff. Yellow Pimpernel.

Trees : Beech. Sessile Oak. Silver Birch. Whitebeam.

Maryport and District Natural History Society. Information supplied by Edna E. Marper :- Bluebells. Bog-myrtle. Bog Rosemary. Branched Bur-reed. Brittle Bladder-fern. Broad-leaved Helleborine. Common Spotted-orchid. Cranberry. Crosswort. Fringed Water-lily. Gypsywort. Hoary Mugwort. Knotted Pearlwort. Lesser Marshwort. Limestone Fern Northern Marsh Orchid. Marsh St John's-wort. Parsley Fern. Pendulus Sedge. Primrose. Ragged Robin. Rock Samphire. Rough Horsetail. Royal Fern. Salad Burnet. Sanicle. Saw-wort. Sea Beet. Sea Bindweed. Sea Kale. Sea Plantain. Sea Spurry. Shoreweed. Sweet Vernal grass. Three-nerved Sandwort. Water Plantain. Water Mint. Water-purslane. Wood Sorrel. Wood Stitchwort. Yellow Archangel. Yellow-horned Poppy. [Flora].

1997 Sub-Editor. Plant Report : 1996. Birds and Wildlife in Cumbria : 1996. 77-81. Cumbria Naturalists Union. Society Reports as follows:-

Arnside Natural History Society. Information Submitted by Charles Webb : Alternate-leaved Golden-saxifrage. Basil Thyme. Biting Stonecrop. Bloody Crane's-bill. Butterbur. Common Spotted-orchid. Common Rock-rose. Dark Red Helleborine. Deadly Nightshade. Dropwort. Field Garlic. Field Gentian. Fly Orchid. Greater Butterfly Orchid. Greater Sea-spurrey. Green-winged Orchid. Hairy Rock-cress. Knotted Hedge-parsley. Knotted Pearlwort. Long-stalked Crane's-bill. Meadow Saxifrage. Milkwort. Musk-mallow. Ramsons. Sand Leek. Rock Sea-lavender. Saw-wort. Sea Arrowgrass. Sea Campion. Sea-purslane. *Scopolia carniolica. Spiked Speedwell.* Spring Cinquefoil. Spring Sandwort. Sweet Violet. Tall Melilot. Teesdale Violet Toothwort. Wild Carrot. Wild Onion. Wild Parsnip. Winter Aconite. White Stonecrop. Yellow Star of Bethlehem.

Trees :- Wayfairing. White Beam.

Barrow Naturalist's Field Club and Photographic Society. Information submitted by Beryl Fisher : American Skunk-cabbage. Autumn Lady's-tresses. Bee Orchid. Bloody Crane's-bill. Blue-eyed Grass. Butchers-broom. Common Spotted-orchid. Dark-red Helleborine. Dyer's Greenweed. Early Marsh Orchid. False Oxslip. Fly Orchid. Fox and Cubs. French Cranes-bill (Garden escape?). Giant Bellflower. Green Alkanet. Green Hellebore. Hautbois Strawberry. Heath Spotted Orchid. Hemlock. Hoary Rock-rose. Hoary Stock. Horsehoe Vetch. Hounds-tongue. Jacob's Ladder. Lesser Meadow-rue. Lucerne. Northern Marsh Orchid. Royal Fern. Tree Lupin. Turk's-cap Lily. Moschatel. Peach-leaved Bellflower. Sand Leek. Star of Bethlehem. Stinking Hellebore. Tansy. White Butterbur. Wild Columbine. Wild Marjoram. Yellow Archangel.

Kendal Natural History Society. Information submitted by D. Cousins :- American Skunk-cabbage. Beech Fern. Bird's-eye Primroses. Biting Stonecrop. Bog-rosemary. Broad-leaved Helleborine. Butterwort. Carline Thistle. Common Dog Violet. Common Twayblade. Cowslips. Dark-red Helleborine. Large Yellow-sedge. Limestone Fern. Early-purple Orchid. Goats's-beard. Greater Spearwort. Lousewort. Marsh Cinquefoil. Marsh Marigolds. Marsh Valerian. Marsh Violet. Mountain Everlasting. Mountain Pansy. Round-leaved Sundew. Royal Fern. Rue-leaved Saxifrage. Water Avens. Wood Anemone. Wood Crane's-bill.

Cumbria Wildlife Trust, Kendal Support Group. Information supplied by A. Marshall. Bird's-foot Sedge. Black Bryony. Blackthorn. Common Twyblade. Daffodil. Enchanters-nightshade. Giant Bellflower. Giant Hogweed. Goat Willow. Guelder-rose. Hairy St John's-wort. Hemp-agrimony. Herb Paris. Lily of the Valley. Marsh Arrowgrass. Marsh Yellow-cress. Moonwort. New Zealand Willow-herb. Rowan. Slender St John's Wort. Spindle. Tutsan. Wood Cranesbill.

Grange and District Natural History Society . Information supplied by J. Adams. :- Angular Solomon's seal. Broad-leaved Helleborine. False Oxlip. Herb Paris. Limestone Bedstraw. Sanicle. Squinancywort. Tutsan. Wild Marjoram.

Keswick Natural History Society. Information supplied by Linda Reineke :- Clubmoss

(*Lycopodium annotinum*). Common Twayblade. Cowberry. Fragrant Orchid. Frog Orchid. Greater Butterfly-orchid. Heath Spotted-orchid. Mountain Sorrel. Purple Saxifrage. Pyramidal Orchid. Roseroot. Thyme. Tormentil. Yellow Saxifrage.

Maryport & District Natural History Society. Information supplied by Edna Marper. Bird's-foot Trefoil. Bog Asphodel. Bog-orchid (Nil) Report. Branched Bur-reed. Common Rock-rose. Common Spotted-orchid. Crested Hair- grass. Dog's Mercury. Early-purple Orchid. English Stonecrop. Great Sundew. Ground Ivy. Gypsywort. Hart's-tongue fern. Herb-Robert. Ivy-leaved Toadflax. Lesser Meadow-rue. Lords and Ladies. Maidenhair Spleenwort. Marsh Pennywort. Monkeyflower. Northern Marsh Orchid. Opposite-leaved Golden-saxifrage. Primrose. Purple Loosestrife. Round-leaved Sundew. Rue-leaved Saxifrage. Sand Sedge. Sand Leek. Saw-wort. Shining Crane's-bill. Skullcap. Spurge Laurel. Sweet Cicely. Sweet Woodruff. The Hop. Wall-rue Spleenwort. Water Mint. Water Plantain. Western Gorse. Wild Thyme. Wood Avens. Yellow Rattle. [Flora].

SHUFFREY, W. A.

1899 *Lobelia dortmanna* in Lakeland. The Naturalist. 162. [Location : Windermere]. [Flora].

SHUTTLEWORTH, Edmund.

1882 Notes from Grange-over-Sands and Witherslack. Entomologist. **15**, (229), June, 125-127. [Insects].

1884 Notes from Witherslack. (Also :- Meathop Moss and Faraway Moss). Entomologist. **17**, (248), January, 4-8.[Insects].

SIBLY, R. M.

1983 Joint Author : Mcleery, R.H. The distribution between sites of Herring Gulls breeding ay Walney Island. J. Anim. Ecol. **52**, 51?-68.

1985 Joint Author :McCleery, R.H. Optimal decision rules for Herring Gulls. Animal Behaviour. **33**, 449-465. [Location : Walney Island]. [Birds].

SIDEBOTHAM, J.

1845 Plants collected in Westmorland. The Phytologist. Vol 2. 316-7. [Flora].

2002 Mentioned **In :-** Ratcliffe, D. Lakeland : The Wildlife of Cumbria. p. 35 Harper Collins. [Quaker Botanist]. [Biography].

SIDGWICK, N. V.

1894 New localities for plants of the Lake District. The Naturalist. 49 - 51. [Flora].

SIKES, R. H.

1889 Eggs of *Tringa alpina* in Cumberland. Nat. Hist. Jnl. **15**, October, 126.[Insects].

SILBY, R. M.

1983 Joint Author : McCleery. Distribution between feeding sites of Herring Gulls breeding at Walney Island, U.K. Jnl of Anim Ecol. **52**, 51-68. [Birds].

SILVESTER, Dyane.

2010 Your home is not the ladybird's. Cumberland News. Life Section. 24th, December, 44. Nature Watch, Cumbria Wildlife Trust. [Ladybird hibernation]. [Coleoptera] [Insects].

2011 A herb of healing, history and power. Cumberland News. Life Supplement. 26th, August, 60. Nature Watch, Cumbria Wildlife Trust. [Betony (*Stachys offinalis*)]. [Flora].

2011 A life spent on summer puddles. Cumberland News. Life Supplement. 29th, July, 60. Cumbria Wildlife Trust : Nature Watch. [Protoza].

2011 A plant to cure all garden ills. Cumberland News. Life Supplement. 12th, August. 52. Nature Watch, Cumbria Wildlife Trust. [Plant featured : Comfrey]. [Flora].

2011 A salty privilege we must cherish. Cumberland News. Life Supplement. 25th November, 60. Cumbria Wildlife Trust. Nature Watch. [Saltmarsh] [Carlisle, Rockcliffe. Solway].

2011 Good time to go out for dinner. Cumberland News. Life Supplement. 16th, September. 60. [Wild fruit. Fungi] [Hedgerows].

2011 Our beautiful, but toxic, invader. Cumberland News. Life Supplement. 2nd December. 60. Nature Watch, Cumbria Wildlife Trust]. [Rhododendrons]. [Flora].

2011 Prehistory lives on in the garden. Cumberland News. Life Supplement. 25th, March, 56. Nature Watch, Cumbria Wildlife Trust. [Includes : Insects and Molluscs (Slugs and Snails)].

2011 Should we feed the birds in our garden. Cumberland News. Life Section. 14th, January, 52.Nature Watch, Cumbria Wildlife Trust.

2011 Taking wing for the winter. Cumberland News. Life Supplement. 14th October, 64. Nature Watch, Cumbria Wildlife Trust. [Bird Migration]. [Includes Solway Coast. Eskmeals Dunes. Bowness

and South Walney]. [Birds].

2011 The harbingers of a hard winter. Cumberland News. Life Supplement. 11th, February, 52. Nature Watch, Cumbria Wildlife Trust. [Waxwings]. [Birds].

2011 The versatility of British plant life. Cumberland News. Life Supplement. 17th, June, 2011. Nature Watch, Cumbria Wildlife Trust. [Climate change and flora].

2011 Thongs are out for the springtime. Cumberland News. Life Supplement. 11th, March, 56. Nature Watch, Cumbria Wildlife Trust. [Pollination / Catkins]. [Flora].

2011 UK beauty steps back from the brink. Cumberland News. Life Supplement. 13th, May, 2011. 52. Nature Watch, Cumbria Wildlife Trust. [Lady's slipper Orchid - *Cypripedium calceolus*]. [Flora].

2011 Welcome wildlife into city gardens. Cumberland News. Life Supplement. 8th, April. 52 or 56.CumbriaWildlife Trust, Nature Watch. [Insects].

2011 What nestles in those nettles… Cumberland News. Life Supplement. 12th August, 2011. 56. Nature Watch, Cumbria Wildlife Trust.

2011 Wildlife beds down for winter. Cumberland News. Life Supplement. 23rd September, 56. Nature Watch, Cumbria Wildlife Trust. [Hibernation].

2011 Wildlife surprises along Roman Wall. Cumberland News. Life Supplement. 4th, February, 52. Nature Watch. Cumbria Wildlife Trust.

2012 Amazing world of the Ant Colony. Cumberland News. Life Supplement. 6th, July, 56. Nature Watch. Cumbria Wildlife Trust. [Hymenoptera] [Insects].

2012 An enticing feast with a purpose. Cumberland News. Life Supplement. 16th, November, 56. Nature Watch. Cumbria Wildlife Trust.

2012 Beware tomato's deadly relative. Cumberland News. Life Supplement. 23rd, November, 60. Nature Watch. Cumbria Wildlife Trust. [Deadly Nightshade - *Atropa belladonna*]. [Furness Abbey] [Flora].

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1960 Plant Notes. (*Ambrosia artemisiifolia* : Ragweed. Holly. Lady's Smock (*Cardamine pratensis*). *Lathyrus hirsute*. Winter Jasmine. Plant Behaviour : Sundew (*Drosera rotundifolia*). The Field Naturalist. **5**, (n.s), (1), 3-4. [Flora].

1960 Plant Notes. Alpine Forget-me-not (*Myosotis alpestris* Schmidt). *Arenaria leptoclados*. Butterbur (*Petasites hybridus*). Butterwort. Corn cockle (*Agrostemma githago*). Cranberry. Cut-leafed Saxifrage (*Saxifraga hypnoides* L). Dame's Violet (*Hesperis matronalis*). Field Gentian. Globe Flowers. Greater Bladderwort (*Utricularia vulgaris*). Green Spleenwort (*Asplenium viride*). *Helleborus viridis*. Melancholy Thistle (*Circium heterophyllum*). Meu (*Meum athamanticum*). Monkshood (*Aconitum anglicum*). Moss Campion (*Silene acaulis*). Orpine (*Sedum telephium*). Tassel Hyacinth (*Muscari comosum*). Thyme. Wortleberry. Unusual Growth : **Trees** : Beech. Hawthorn. Sycamore. **On Whitbarrow Scar** : Great Mullein (*Verbascum thapsus*). Hound's Tongue (*Cynoglossum officinale*). *Leycesteria formosa*. Pink Centuary. Ploughman's Spikenard (*Inula conyza*). Red Hemp-nettle (*Galeopsis ladanum*). Sand Leek (*Allium scorodoprasum*). Squinancy-Wort (*Asperula cynanchica*). **An Unusual Habitat** (Sea Campion *Silene maritime*). **Orchids** : Bee. Butterfly. Dark-red Helleborine. Dwarf Orchid. Fly. Fragrant. Frog. Fly. Green-winged. Lesser Butterfly. A Botanists Diary - records from Lancashire (F. Slater).The Field Naturalist. **5**, (n.s), (4), 42-44. [Flora].

1960 Plant Notes. (Including : **Plant Notes** : Barberry. Brambles. Cranberry. Elderberry. Haws. Hips. Mountain Ash. Raspberries. Red-berried Elder. **Plant Records** : *Allium vineale v compactum*. Bee Orchid. Broad-leafed Ragwort (*Senecio fluviatilis*). (*Claytonia alsinoides* Sims). Colombine. Comfrey. Common Wintergreen. *Lotus corniculatus v crassifolius* Pers. Dwarf Elder (*Sambucus ebulus* L). Hairy Stonecrop (S. villous). *Lysimachia punctata*. *Onopordum acanthi* L. Pale Toadflax (*Linaria repens* Mill). Rigid Buckler-fern *Dryopteris villarsii*). *Sedeum spurium* v *rieberstein*. Simple Bur-reed (*Sparganium simplex* Huds). Small Cudweed (*Filaga minima*). Sticky Groundsel (*Senecio viscosus*). Upright Prickly Rest harrow (*Ononis spinosa* L). Viper's Bugloss. White Flowered Lesser Knapwood (*Centaurea nigra*). Whorled Caraway (*Carum verticillatum*). Yellow Balsam (*Impatiens noli-tangere* L). **Here and There** : Alpine Willow-herb (*E. anagallidifolium*). Broad-leafed Ragwort (*S. fluviatilis*). Hairy Stonecrop (*S. villous*). Knotted Spearwort (*S. nodosa*). Meadowsweet. Pyrenean Valerian (*V.pyrenaica*). Shrubby Potentilla (*P. fruticosa*). Sneezewort. Stone Bramble (*R. saxatilis*). Yellow Marsh Saxifrage (*S. hircurus*). **Flora of the Keswick Area** : Bog Asphodel (*Narthecium ossifragum*). Bog Pimpernel (*Anagallis tenella*). Broad-leafed Hellebore (*Epipactis hellebore*). Claytonia (*Claytonia alsinoides*). Corn Marigold (*Chrysanthemum segetum*). Melancholy Thistle (*Cirsium vulgare*). Pepperwort (*Lepidium smithii*). Sea-Bindweed (*Convolvulus soldanella*). Sticky Groundsel (*Senecio viscosus*). Water Lobelia (*Lobelia dortmanna*). Water Thyme (*Elodea canadensis*). The Field Naturalist. **5**, (n.s), (5), 51-54. [Flora].

1960 Plant Notes : **Trees** : Acorn (Oak). Crab Apples. Holly. Horse Chestnut. Laburnums. Magnolia. Oak. Spindle. White Beam. **Plants** : Bramble. Burnet Rose. Raspberries. Strawberries. Thrift. Wild Roses. **Plant Records** : Autumn Lady's Tresses (*Spiranthes spiralis* L). Birds-eye Primrose. Butterwort. (Dune Hellebore : *Epipactis dunenis* at Lytham St. Annes area). Dyer's Rocket (*Reseda luteola*). Field Gentian (*Gentianella campestris*). Grass of Parnassus. Lesser Swine-cress (*Corronopus didymus*). Marsh Andromeda (*Andromeda polifolia* L). Marsh Valerian. Navelwort (*Umbilicus rupestris*). *Ononis spinosa* L. Ragged Robin. Red Bartsia (*Bartsia odontites*). Thorn Apple (*Datura stramonium*). Wall Rocket (*Diplotaxis tenuifolia*). Water Pepper (*Polygonum hydropiper*). Yellow Mimulus (*Mimulus guttatus* DC). **Ferns** : Lady Fern (*Athyrium filix-femina* L). **Ferns** : The Royal Fern (*Osmunda regalis*). **Clover** : Aberrant Clover Plants near Bootle, Cumberland p 65. Field Naturalist. **5** (n.s). (6), 63-65.

1960 Plant Records : Alternate-leafed Golden Saxifrage (*Chrysosplenium alternifolium*). Claytonia. Coltsfoot. Dandelion. Daphnes (*Daphne mezereum*). Dog's Mercury. Forsythia. Green Hellebore (*Helleborus viridis* L). Liverwort (*Scapania undulata)* (L.) Dum. Vernal Whitlow Grass (*Erophila verna* L). White Butterbur (*Petasites alba*). White Violets. Winter Heliotrope (*Petasites fragrans*). **Trees** : Hazel. Holly. Hornbeam (*Carpinus betulus* L). A New Discovery (Yellow Star of Bethlehem (*Gagea lutea*), River Eamont near Penrith. Notes on a Sycamore

Tree. Helvellyn Hawkweeds. (*Hieracium leyi* Hanb). Cowslip/Primrose Hybrid. Additional Records : **Plants** : Bluebell. Broom. Coltsfoot. Daisy. Dandelion. Dogs Mercury. Marsh Marigold. *Stellaria media*. Toothwort. Vernal Whitlow Grass. *Veronica persica*. White Violets. **Trees** : Ash. Blackthorn. Yew. **Fungi** : Morels (*Morchella esculenta*). The Field Naturalist. **5**, (n.s), (3), 28-30. [Flora].

1960 Plant Records, 1957-1960. Changing Scene. **2**, 68-70. [Flora].

1960 Some common Mosses and Liverworts of the Ullswater-Penrith area. Changing Scene. 65-67.

1961 Plant Notes : Autumn Lady's tresses (*Spiranthes spiralis*). Dusky Cranesbill (*Geranium phaeum*). Musk (*Mimulus moschatus*). Thorn Apple (*Datura stramonium*). Tobacco Plant (*Nicotiana tabacum*). Water Avens (*Geum rivale*). **Unusual Growths** : (Trees). **Fungi :** (Jew's Ear). **Moss Gardens**. The Field Naturalist. **6**, (n.s), (1), 3-4. [Flora].

1961 Plant Notes : Barren Strawberry. Broom. Chickweed. Coltsfoot. Common Whitlow Grass. Daisy. Dandelion. Dog's Mercury. Golden Saxifrage (*Chrysosplenium oppositfolium*). Gorse. Green Hellebore. Groundsel. Ivy-leafed Toadflax. Lesser Celandine. Marsh Marigolds. Primroses. Red dead Nettle. Snowdrop. Speedwell. Stinking Hellebore. Sweet Violet. White Butterbur (*Petasites albus*). Winter Heliotrope (*Petasites fragrans*). Yellow Star of Bethlehem (*Gagea lutea*). **Plant Notes** : Birds-nest Orchid. Perfoliate Claytonia. Royal Fern (*Osmunda regalis*). Hairy Vetchling (*Lathyrus hirsute*). **Naturalists in the Field. Daisy** (*Bellis perennis*). Herb Robert **(***Geranium robertianum***).** Ivy leafed Toadflax (*Cymbalaria muralis*). Nipplewort (*Lapsana communis*). Ragwort (*Senecio jacobaea*). Sow-thistle (*Sonchus oleraceus*). **Aberrant Clover Plants**. Mosses : Grey Cushion Moss (*Grimmia pulvinata*). Wall Screw Moss (*Tortula muralis*). The Field Naturalist. **6** (n.s). (2),15-17.

1961 Plant Notes. Ash. Beech. Birch. Bird Cherry. Blackthorn. Crab Apple. Holly. Oak. Wild Cherry. **Plant Records** : Alternate-leafed Golden Saxifrage. Bilberry. *Claytonia sibirica*. Cornelian Cherry (*Cornus mas*). Cowslip. Crowberry. Daphne (*Daphne mezerum*). False Oxlip. Good King Henry (*Chenopodium Bonus-Henricus*). Greater Celandine (*Chelidonium majus*). Greater Chickweed (*Stellaria neglecta*). Green Alkanet. Green Hellebore (*Helleborus viridis*). Hairy Violet. Herb Paris (*Paris quadrifolia*). Primroses. Spring Cinquefoil (*Potentilla tabernaemontani*). Spurge Laurel. (*Daphne laureola*). Sweet Cicely (*Myrrhis odorata*). Sweet Violets (*Viola odorata*). Toothwort (*Lathraea squamaria*). Water Avens (*Geum rivale*). White Butterbur (*Petasites albus*). **Flowers of the Mountain**. : Purple Saxifrage (*Saxifraga oppositifolia*). Rose-Root. **Royal Fern** (*Osmunda Regalis*). **Plant Behaviour** : Mesembryanthemum. Mosses and Liverworts : Acute-leafed Frond Moss (*Isothecium myosuroides*). Common Cord Moss (*Funaria hygrometrica*). Greater Matted Thread Moss (*Bryum capillare*). *Pellia epiphylla*. Purple-fruiting Heath Moss (*Ceratodon purpureus*). *Scapania undulata*. Smaller Hairy Screw Moss (*Tortula laevipila*). The Field Naturalist. **6**, (n.s), (3), 27-29. [Flora] [Ferns] [Bryophytes].

1961 Plant Notes. Alpine Bistort (*Polygonum viviparum*). Alpine Lady's Mantle. Arrow-grass. Bee Orchid. Bog Pimpernel. Butterwort. Caper Spurge. Celery-leaved Crowfoot. Claytonia : (*Claytonia perfoliata* and *Claytonia alsinoides*). Comfrey. Common Cow-wheat. Cotton Grass. Cranberry. Deadly Nightshade (*Atropa belladonna*). Dusky Cranesbill (*Geranium phaeum*). *Erinus alpinus*. Greater Butterfly Orchid. Hop Trefoil. Ivy-leafed Toadflax -White variety. Kidney Vetch. Lesser Butterfly Orchid. Loddon Lilies (*Leucojum aestivum*). Long-stalked Cranesbill. Lousewort. Marshwort (*Apium graveolens*). Mountain Everlasting (*Antennaria dioica*). Ragged Robin - White variety. Red Valerian. Scorched Orchis (*Orchis ustulata*). Small Balsam (*Impatiens parviflora*). Sundew. *Veronica filiformis*. Whorled Water Milfoil (*Myriophyllum verticillatum*). Wood Anemone. Yellow Balsam. **On the High Hills** : Alpine Forgetmenot (*Myositis alpestris*). Alpine Lady's Mantle. Cloudberry (*Rubus chamaemorus*). *Epilobium pedunculare*. Goldilocks (*Ranuculus auricomus*). Least Willow (*Salix herbacea*). Moss Campion. Mountain Rush (*Juncus triglumis*).Mountain Sorrel. Purple Saxifrage. Roseroot. Starry Saxifrage. Thyme. **Flowers of Dune and Sea-shore**. Largely records from S. Lancs but includes from Furness Dunes : Dune Hellebore (*Epipactic duensis*) and from Skinburness Marsh : Burnet Rose. Heartsease. Narrow-leaved Vetch. Sea Arrowgrass. Sea Purslane. Star of Bethlehem. Sea Spurrey. **Wandering on Walney Island** : Blood-red Cranesbill, var *Lancastriense*. Dyers Greenweed (*Genista tinctoria*). English Stonecrop (*Sedum anglicum*). *Osmunda regalis*. Sea Bindweed (*Convolvulus soldanella*). Sea Milkwort (*Glaux maritime*).

Flowers of the Limestone : Records from Hampsfell & Gaitbarrow Pavement etc : Angular Solomon's Seal (*Polygonatum odoratum*). *Antennaria dioica*. Blood-red Cranesbill (*Geranium sanguineum*). Dark-red Helleborine (*Epipactis atrorubens*). Hard Prickly Shield Fern (*Polystichum aculeate*). Limestone Polypody (*Thelypteris robertiana*). Northern Bedstraw (*Galium boreale*). *Orchis morio*. *Potentilla verna*. The Field Naturalist. **6**, (n.s), (4), 39-41. [Flora].

1961 Plant Notes : Basil Thyme (*Acinos arvensis*). Blue Fleabane (*Erigeron acris*). Creeping Lady's Tresses (*Goodyera repens*). Danewort. Felwort (*Gentianella amarelle*). Fern - Onoclea. Fly Orchis. Gentian. Great Burnet. Greater Knapweed (*Centaurea scabiosa*). Hare's-foot Clover (*Trifolium arvense*). Hemlock (*Conium maculatum*). Hemp Agrimony. Kidney Vetch (*Anthyllis vulneraria*). Marjorum. *Osmunda regalis*. Meadow Cranesbill : white flowered. Rest Harrow - with white flowers. Rush - *Juncus tenuis*. Sheep's-bit (*Jasione montana*). Slender Cudweed (*Filago minima*). Small-flowered Cow-wheat (*Melampyrum sylvaticum*). Soft Clover (*Trifolium striatum*). Spiny Sowthistle (*Sonchus asper*). Tutsan (*Hypericum androsaen*). Viper's Bugloss (*Echium vulgare*). Woody Nightshade. Yellow Loosestrife (*L. vulgaris*). **Flowers of the Sand Dunes** : Mostly Lancashire coast and not listed here but some Cumbrian specimens include :- Blue Fleabane. Felwort. Grass of Parnassus (*Pyrola rotundifolia v maritime*). Greater Knapweed. Gypsywort (*Lycopus europaeus*). Marsh Helleborines. Marsh Pennywort (*Rosa rugosa*). Milkwort. *Sagina nodosa*. Sand-spurrey (*Spergularia rubra*). Sea Aster (Sea Lavender **By Tarn and Stream** : Alpine Enchanter's Nightshade. *Apium inundatum*. Bog Pimpernel. Celery-leafed Crowfoot. *Claytonia alsinoides*. Cranberry (*Vaccinium oxycoceus*). Ivy-leafed Crowfoot (*Ranunculus lenormandi*). Lesser Bladderwort. Sundew (*rotundifolia*). Water Lilies. Water Purslane (*Peplis portula*). Wild Musk (*Mimulus moschatus*). **Flowers of the Bog** : Bladderwort (*Utricularia minor*). Bog Asphodel. Bog Orchid (*Hammarbya paludosa*). Bog Pimpernel. Greater Sundew (*Drosera anglica*). Lesser Bladderwort (*Utricularia minor*). Long-leafed Sundew (*Drosera intermedia*). **Flowers of the Mountain**. Alpine Bistort. (*Polygonum viviparum*). Alpine Hawkweed (*Hieracium holo-sericeum*). Alpine Scurvy Grass. Downy Willow (*Salix lapponum*). Mossy and Starry Saxifrage. Mountain Pansy (*Viola lutea var. amoena*). Mountain Sorrel. Rose-root. Thrift. Vernal Sandwort. Water Avens. **Flowers of the Limestone** : *Carex flava*. *Carex ornithopoda*. *Veronica hybrida.* **Flowers of the Sea Shore** : Dittander. Herbaceous Seablite (*Sueda maritime* - var. *vulgaris* and var. *microcarpa*). Isle of Man Cabbage. Oyster Plant. Sea Holly. Sea Kale. **Walney Island Re-visited** : Bloody Cranesbill. Blue Fleabane. Common Polypody. Creeping Willow. Knotted Pearlwort. Oyster-plant (*Mertensia maritima*). Restharrow. Round-leafed Wintergreen. Sea Bindweed. Sea Holly. Yellow-horned Poppy. The Field Naturalist. **6**, (n.s), (5), 51-54. [Flora].

1961 Plant Notes : *Astrantia major*. Bog Myrtle (*Myrica gale*). Knotgrass. Pearl Everlasting (*Antennaria margaritacea*). Sheep's Bit (*Jasione montana*). Small-flowered Yellow Balsam (*Impatiens parviflora*). **Records from the Keswick Area** : Black Bindweed (*Polygonum convolvulus*). Chicory (*Cichorium intybus*). Cross-leafed Heath (*Erica tetralix*). Lesser Butterfly Orchid (*Habenaria bifolia*). Skullcap (*Scutellaria galericulata*). Yellow Flags. **More Flowers of the Sand Dunes** : Blue Fleabane (*Erigeron acris*). Bog Pimpernel. Burnet Rose. Carline Thistle. Centaury. Coral-root. Creeping Willow. Dune Cabbage (*Rhynchosinapis monensis*). Dune Centaury (*Centaurium littorale*). Dune Hellebore (*Epipactis duensis*). *Euphorbia portlandica* & *paralias*. Gipsy-wort (*Lycopus europaeus*). Hounds Tongue. Marsh Bird's-foot Trefoil. Marsh Helleborine. Marsh Orchid. Portland Spurge. Restharrow. Round-leafed Wintergreen (Pyrola Rotundifolia). Sea Holly. Sea Spurge.Yellow Bird's-nest (*Monotropa hypopithys*). Yellow Vetch (*Viola lutea*). **Late flowering** : Burnet Rose. Elderberry. Honeysuckle. Marsh Andromeda. Thrift. Wild Rose. Wild Strawberries. Wood Cranesbill. **Fungi** : *Clavaria fusiformis*. *Hygrophorus nigrescens*. *Hypholoma fasciculare* *Laccaria laccata*, var. *amethystina*. *Mucilago spongiosa*. Oyster Mushroom (*Pleurotus ostreatus*). Sulpher Tuft. The Field Naturalist. **6**, (n.s), (6), 63-65. [Flora].

1962 Plant Notes. Hazel Catkins. Lesser Celandine. Ragwort. Salmonberry (*Rubus spectabilis*). Snowdrop. Spurge Laurel (*Daphne laureola*). Water Avens. White Butterbar (*Petasites albus*). Winter Heliotrope (*Petasites fragrans*). Winter Snowflakes. **Fungi** : Tar-spot fungus (*Rhytisma acerina*). **Mosses** : Greater Matted Thread Moss (*Bryum capillare*). Rough-stalked Feather Moss

(*Brachythecium rutabulum*). **Sand Dune Flowers** : Roan Head and Low Furness. Bee Orchis. Coltsfoot. Daisy. Dogs Mercury. Dyer's Greenweed. Gorse. Hairy Bittercress. *Lactusa vivosa*. Lesser Celandine. Primrose. Rue-leafed Saxifrage. *Salvia superba*. Tassel Hyacinth. *Viola curtisii*. *Vulpis membranes*. The Field Naturalist. **7**, (n.s), (1), 3-5. [Flora] [Bryophytes].

1962 Plant Notes : Apple Blossom. Bird Cherry. Broom. Daphne Mezereum. Gorse. Primroses. White Butterbur (*Petasites albus*). Yellow Star of Bethlehem. **April Records** : *Anemone nemorosa*. Barren Strawberry. Blackthorn. Bog Myrtle. Butterbur. Creeping Willow. Dune Pansy. Golden Saxifrage (*oppositifolium*). Ground Ivy. Herb Paris. Marsh Andromeda (*Andromeda polifolia*). Marsh Marigold. Moschatel. Narrow-leafed Vetch. Red Campion. Scurvy-Grass (*Cochlearia officinalis*). Shining Cranesbill. Wood Sorrel. **Dune Flora (Fylde and Roanhead Dunes)**. Dune Pansy. Hairy Bitter cress (*Cardamine hirsuta*). Heath Dog Violet. Rue-leaved Saxifrage. *Salix repens*. SpringVetch. Water Horsetail. Water Crowfoot. **Records from Keswick Area** : Blackthorn. Buckbean. Cowslip. Greater Celandine. Ground Ivy. Hares-foot trefoil. Hawthorn. Marsh Marigold. Moschatel. Purple-flowered Comfrey. Water Crowfoot. Wood Sorrel. Yellow Pimpernel. **Botanists in the Field** : Report from Grange Natural History Societies visit to Castle Head : Butchers Broom (*Ruscus aculeateus*). Common Parsley (*Petroselinum crispum*). Creamy Butterbur (*Petasites japonicus*).Green Hellebore. Hoary Rockrose. Lords-and-Ladies (*Arum italicum*). Mahonia. Mare's Tail (*Hippuris vulgaris*). Meadow Saxifrage. Mountain Currant (*Ribes alpinum*). Oxford Ragwort. Periwinkle (*vinca major*). Spring Cinquefoil. Sweet Violets. Wallflower (*Ceiranthus cheiri*). **A Miscellany** - various locations : Adder's Tongue. Bird's Eye Primrose. Blackthorn. Bluebells. BlueComfrey (*Symphytum perdgrinum*). Bog Rosemary. Bryony (*Bryonia dioica*). *Claytonia alsinoides*. *Claytonia perfoliata*. Columbine. Common Milkwort. Cowslips. Crab Apple. Cranberry. Dwarf Willow. Frog Orchis. Germander Speedwell. Globe Flower. Herb Paris. "June Berry" - Amelanchier Tree. Kidney Saxifrage (*Saxifrage Geum*). Large Bitter-cress (*Cardamine amara*). Moss Campion. New Zealand Willow-herb. Onoclea. *Osmunda regalis*. Purple Orchid. Purple Saxifrage. *Salix herbacea*. *Salex lapponica*. Sea Campion. *Senecio viscosus*. Spotted Orchis. Star of Bethlehem (*Ornithogalum umbellatum*). Toothwort. White Dead Nettle. Wood Anemone. Wood Chickweed (*Stellaria nemorum*). Wood Sorrel. **Fungi** : Morels. The Field Naturalist.**7**, (n.s), (2), 24-26. [Flora].

1962 Plants. (Including : From **Sandscale Dunes** : Bee Orchid. Coral Root Orchid. Dune Helleborine. Prickly Lettuce. Seaside Centaury (*Centaurium littorale*). *Salvia nemorosa*. Tassle Hyacinth. Yellow Vetch (*Vicia lutea).* From **Ainsdale-Freshfield Dunes** : Adders Tongue. Bee Orchid. Dune Helleborine. Fyfield Pea. Marsh Helleborine. Pendulous Helleborine. **St Anne's Dunes** : Keeled Garlic. Red Bistort. Wormwood. Yellow Bartsia. **Flowers of the Seashore**. (Allonby-Maryport) : Bloody Cranesbill. Burnet Rose. Meadow Saxifrage. Scurvy Grass. Sea Campion. Sea Lavender. Sea Plantain (*Orache Babingtonii*). Star of Bethlehem. Thrift. Wild Mignonette. **Records from Low Furness**. Brookweed. Bur Chervil. Chicory. Coral Root. Dogwood. Knotted Cranesbill. Musk Thistle. Sand Leek. Sickle Medick (*Medicago falcata*). Tutsan. Wood Vetch. **Wandering on Walney**. Black Nightshade. Bloody Cranesbill (*var. Lancastriense*). Common Mullein. Creeping Willow. Greater Birds-foot Trefoil. Henbane. Hounds Tongue. Kidney Vetch. Lesser Meadow Rue. Marsh Helleborine. Oyster Plant. Portland Spurge. *Rosa rugosa*. Sea Bindweed. Sea Lavenders (*Limonium vulgare* and *Limonium humile*). Sea Spurge. White Harebells. White Rest Harrow. Yellow Horned Poppy. **Lakeland Flora** : Alpine Enchanter's Nightshade. Bog Pimpernel. Broad-leafed Pondweed. Butterfly and Fragrant Orchis. Cat's-foot (*Antennaria dioica*). Climbing Fumitory. Dyer's Greenweed. Knotted Pearlwort. Melancholy Thistle. Orpine. Small White Orchid. Wall Pennywort (*Umbilicus rupestris*). Water Lobelia. Woodruff. **Flowers of the Fylde Area** (Plants are listed but not included in this bibliography). **Miscellaneous**. Baneberry (*Actaea spicata*). Barberry. Basil Thyme. Black Horehound. Blue Sowthistle (*Cicerbita macrophylla).* Canadian Fleabane. *Crown Vetch.* Dark Red Helleborine. Dusky Cranesbill. Dyers Greenweed. Eastern Rocket (*Sisymbrium orientale*). Golden Dock. Green Nightshade. *Kalmia angustifolia*. Lesser Evening Primrose. Mountain St. John's Wort (*Hypericum montanum*). Musk Mallow. Pink Water Speedwell. Rigid Buckler Fern. Rock Samphire (*Crithmum maritimum*). Royal Fern. Sea Radish. Slender Thistle (*Carduus tenuiflorus*). Sulpher Cinquefoil (*Potentilla recta*). Wood Chickweed. Wormwood. Yellow

Chamomile.
Roose Area and Foulney. Dittander. Eastern Rocket. Oxford Ragwort. Pearly Everlasting. Sea Mertensia. Strawberry Clover. **Greystoke and Penrith Area** : Blue Comfrey (*Symphytum peregrinum*). Fragrant Orchid. Mountain Ash. Needle Whin. *O. incarnata L. var pulcinella Druce.* Orchid Fuchsii (*Druce*).White Bryony. Yellow Loosestrife (*Lysimachia vulgaris*). **North East Westmorland :** Alpine Forgetmenot (*Myosotis alpestris*). Cloudberry. Common Calamint. Orchids : Bog. Fly. Greater and Lesser Butterfly. Small White. Twayblade (Greater & Lesser). The Field Naturalist. **7**, (n.s), (3),43-47. [Flora].

1962 Plants. **Flowers of the Lake District**. Broad Helleborine. Candytuft. Grass of Parnassus. Mountain Sorrel (*Oxyria*). Orpine. Pepperwort. Quillwort (Isoetes). Skullcap. Soapwort. Water-Milfoil (*Myriophyllum ayterniflorum*). **Flora of local "Tips"** : Canary Grass. China Aster. Cosmos. Dahlia. Foxtail Millet. Great Mullein. Hemp. Lesser Evening Primrose. Michaelmas Daisy. Pot Marigold. Sunflower. **On the High Fells** : Alpine Campion (*Lychnis alpina*). Alpine Saussurea. Alpine Willowherb. Columbine (*Aquilegia vulgaris*). Dwarf Willow (*Salix herbacea*). *Festuca viviparous*. Lesser Meadow Rue (*Thalictrum minus*). *Montia fontena*. Moonwort. (*Botrychium lunaria*). Mud Crowfoot. Roseroot (*Sedum rosea*). Water Lobelia. **Flowers of the Seashore** : Sea Bindweed. Samphire. *Spartina townsendii*. Western Spiked Speedwell. **Records from Low Furness** : Autumn Lady' Tresses. Creeping Willow. Dune Wintergreen. Gentian (*amarelle* and *campestris*). Grass of Parnassus. Ivy. Japanese Knotweed. Mayweed. Orpine. Sea Rocket. Sea Wormwood. Small Scabious. Soapwort (Single & Double). Vervain. Wall Rocket. Water Pepper. White Melilot. **Rarities** : Mare's-tail (*Hippuris vulgaris*). Royal Fern. White Haresbell. Yellow Bird's-nest. **Miscellaneous** : Adders Tongue. Alpine Pennycress (*Thlaspi alpestre*). Alpine Scurvy-grass. Autumn Gentian. Barberry. Duke of Argyll's Tea Tree. Japanese Wineberry. Lesser Evening Primrose. Meadow Cranesbill. Portland Spurge. Primroses. Sheep's-sorrel. Small Bur-reed. Small-flowered Cranesbill. Soft Hawksbeard. Thrift. Winter Heliotrope. Winter Jasmine. **Field Club Excursions**. (Eden & Kendal at Arnside : Alder Buckthorn. Baneberry. Bird's-nest Orchid. Bloody Cranesbill. Deadly Nightshade. Gromwell. Pellitory-of-the-Wall. Spindle Tree. Travellers Joy. Vervain. **Grange N.H.S**. (Barker Scar & Viaduct) : Autumn Lady's Tresses. Bloody Cranesbill. Common Fleabane. Dropwort. Field Gentian. Gipsy Wort. Knotted Pearlwort. Rock Samphire. Spiny Rest Harrow. Spring Cinquefoil. Squinanceywort. Tutsan. **Plant Galls** : seen on Alder. Meadow Sweet. Sessile Oak. Stinging Nettle). **Fungi** : Candle Snuff Fungus. Chanterelle. Common Inkcap. Dryad's Saddle. Jew's Ear. Orange Elf Cup. Shaggy Ink-cap). The Field Naturalist. **7**, (n.s), (4), 59-62. [Flora].

1963 Author : Williamson, J.D. Editor's Note. An Appreciation of Miss Stalker on her resignation as Plants Sub-Editor for the Field Naturalist. The Field Naturalist. **8**, (n.s), (2), 31. [Responsibility for the continuation of plant records passed to **Miss J.D.Williamson**. [Biography].

STAMP, Dudley.

1974 Nature Conservation in Britain. Collins. 2nd Edition. SBN 00213152 8. [Chapter 17. Conservation in the North. Includes : Pennine Uplands. Lake District. Merlewood. Moor House and Caerlaverock].

STANDEN, Robert.

1906 Notes on the land Mollusca of Grange-over-Sands. J. Conch. **11**, (1), 325-330. [Molluscs].

1909 *Caenopsis waltoni* Schon., in West Lancashire. Lancs Nat. **2**, (15), June, 84.

1909 Gulls and Ants. Lancs Nat. (n.s.), **2**, (18), 190-191. [Grange-over-Sands]. [Birds]. [Hymenoptera].

1909 Local names [plants]. Lancs Nat. **2**, (19), October, 210. [Flora].

1909 *Meta menardi* (Latrielie). Lancs. Nat. **2**, (19), October, 223-224. [Araneae].

1909 Notes on the Cave Spider - *Meta menardi* (Latreille). Lancs Nat. (n.s.), **2**, (18), September, 185-189. and Lancs Nat. (n.s.), **2**, (19), October, 223-224. [Warton Crag]. [Araneae].

1909 Notes on the Freshwater Mussels of Lancashire and adjacent counties. Lancs Nat. (n.s.), **2**, March 9-13., April, 9-13. May 57-62, June 73-76, July, 105-110, August,137-143.[Molluscs].

1910 Lancashire Woodlice. Lancs Nat. 2, (23), Feb, 343-344. [Isopoda] [Insects].

1910 Some remarks on the early appearance of gossamer spiders nr Buxton. Lancs Nat. **2**, (26), May, 39-43. [Araneae].

1910 The Hairworm (*Gordius aquaticus* Linn) : its folklore and life history. Lancs Nat. **2**, (23), Feb, 365-368. [Nematomorpha].

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Scarce macro-moths 2012. Forester (*Adscita statices*). Small Eggar (*Eriogaster lanestris*). Grass Eggar (*Lasiocampa trifolii*). Barred Hook-tip (*Watsonalla cultraria*). Figure of Eighty (*Tethea ocularis*). Poplar Lute string (*Tethea or*). Oak Lute string (*Cymatophorima diluta*). Frosted Green (*Polyploca ridens*). Little Emerald (*Jodis lactearia*). Birch Mocha (*Cyclophora albipunctata*). Clay Triple-lines (*Cyclophora linearia*). Lesser Cream Wave (*Scopula immutata*). Purple-bordered Gold (*Idaea muricata*). Satin Wave (*Idaea subsericeata*). Plain Wave (*Idaea straminata*). Red Carpet (*Xanthorhoe decoloraria*). Wood Carpet (*Epirrhoe rivata*). Galium Carpet (*Epirrhoe galiata*). Yellow-ringed Carpet (*Entephria flavicinctata*). Devon Carpet (*Lampropteryx otregiata*). Juniper Carpet (*Thera juniperata*). Netted Carpet (*Eustroma reticulatum*). Pretty Chalk Carpet (*Melanthia procellata*). Tissue (*Triphosa dubitata*). Brown Scallop (*Philereme vetulata*). Barred Carpet (*Perizoma taeniata*). Toadflax Pug (*Eupithecia linariata*). Marsh Pug (*Eupithecia pigmaeata*). Netted Pug (*Eupithecia venosata*). White-spotted Pug (*Eupithecia tripunctaria*). Thyme Pug (*Eupithecia distinctaria*). Pimpinel Pug (*Eupithecia pimpinellata*). Bilberry Pug (*Pasiphila debiliata*). Manchester Treble-bar (*Carsia sororiata*). Blomer's Rivulet (*Discoloxia blomeri*). Welsh Wave (*Venusia cambrica*). Dingy Shell (*Euchoeca nebulata*). Small White Wave (*Asthena albulata*). Small Yellow Wave (*Hydrelia flammeolaria*). Waved Carpet (*Hydrelia sylvata*). Barred Tooth-striped. (*Trichopteryx polycommata*). Small Seraphim (*Pterapherapteryx sexalata*). Scorched Carpet (*Ligdia adustata*). Peacock Moth (*Macaria notata*). Sharp-angled Peacock (*Macaria alternata*). V-Moth (*Macaria wauaria*). Dusky Thorn (*Ennomos fuscantaria*). Ringed Carpet (*Cleora cinctaria*). Square Spot (*Paradarisa consonaria*). Lime Hawk-moth (*Mimas tiliae*). Humming-bird Hawk-moth (*Macroglossum stellatarum*). Bedstraw Hawk-moth (*Hyles* gallii). Small Elephant Hawk-moth (*Deilephila porcellus*). Puss Moth (*Cerula vinula*). Great Prominent (*Peridea anceps*). Marbled Brown (*Drymonia dodonaea*). Lunar Marbled Brown (*Drymonia ruficornis*). Figure of Eight (*Diloba caeruleocephaya*). White Satin (*Leucoma salicis*). Round-winged Muslin (*Thumatha senex*). Red-necked Footman (*Atolmis rubricollis*). Orange Footman (*Eilema sororcula*). Dingy Footman (*Eilema griseola*). Northern Footman (*Eilema complana* form *sericea*). Wood Tiger (*Parasemia plantaginis*). White-line Dart (*Euxoa tritici*). Garden Dart (Euxoa nigricans). Archer's Dart (*Agrotis vestigialis*). Heart & Club (*Agrotis clavis*). Sand Dart (*Agrotis ripae*). Plain Clay (*Eugnorisma depuncta*). Northern Rustic (*Standfussiana lucernea*). Rosy Marsh Moth (*Coenophila subrosea*). Square-spotted Clay (*Xestia rhomboidea*). White-marked. (*Cerastis leucographa*). Beautiful Yellow Underwing (*Anarta myrtilli*). White Colon (*Sidridis albicolon*). Broad-barred White (*Hecatera bicolorata*). Hedge Rustic (*Tholera cespitis*). Blossom Underwing (*Orthosia opima*). Northern Drab (*Orthosia opima*). Lead-coloured Drab (*Orthosia populeti*). Striped Wainscot (*Mythimna pudorina*). Southern Wainscot (*Mythimna straminea*). Shore Wainscot (*Mythimna litoralis*). Mullien (*Shargacucullia verbasci*). Tawny Pinion (*Lithophane semibrunnea*). Orange Sallow (*Xanthia citrago*). Light Knot Grass (*Acronicta menyanthidis*). Old Lady (*Mormo maura*). Straw Underwing (*Thalpophila matura*). Olive (*Ipimorpha subtusa*). Saxon (*Hyppa rectilinear*). Least Minor (*Photedes captiuncula*). Fen Wainscot (*Arenostola phragmitidis*). Small Rufous (Coenobia rufa). Anomalous (*Stilbia anomala*). Small Yellow Underwing (*Panemeria tenebrata*). Bordered Sallow (*Pyrrhia umbra*). Marbled White Spot (*Protodeltote pygarga*). Silver Hook (*Deltote uncula*). Golden Plusia (Polychrysia moneta). Scarce Silver Y. (*Syngrapha interrogationis*). Beautiful Snout (*Hypena crassalis*).

2014 Mawby, Frank. Miltonrigg Wood Moth Night. 25th, July, 2014. Leaders : Mike Clementson & **Liz Still**. Lakeland Naturalist : **2** (2) ; 47-48.

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1906 Exhibits (6/12/1905) A dark aberration of *A. aglaia*, taken at Rosthwaite, Borrowdale, in which the ordinary fulvous markings are extensively replaced by dusky brown or black; on the underside most of the silver spots are replaced by black. Man. Ent. Soc. 3rd Annual Rept. p10. Transactions for 1905. [Lepidoptera] [Insects].

1910 Manchester Entomological Society. 8th Annual Report and Transactions. Report on exhibition meetings, p15. Displays : [*Lycaena astrarche* with var *Allous* from Silverdale. Series of *Lycaena minima* and *Coenonympha typhon*, from Witherslack. An example of *Nemoria viridata* of a bright fulvous yellow colour taken at Witherslack, Melanic *Thera variata* from Witherslack and several other specimens from Silverdale]. [Lepidoptera] [Insects].

1912 Exhibits from Witherslack : *Coenonympha typon, Diacrisca sanio, Macrothylacia rubi, Acronycta menyanthidis, Anaria myrtilli, Euclidia mi, Acidalin fumata, Semiothisa liturata, Ematurga atomaria, Bupalus piniaria, Perconia strigillaria, Hyria muricata, Thera variata* and *Thera firmata*. Plus a collection from Silverdale. Man. Ent. Soc. 9th Annual Report and Transactions for 1911. p13 [Lepidoptera] [Insects].

1912 Manchester Entomological Society. 9th Annual Report and Transactions. Exhibition Meeting, 4th October, 1911. Displays the following taken at Witherslack p 13. [*Coenonympha typhon, Diacrisia sanio, Macrothylacia Rubi, Acronycta menyanthidis, Anaria myrtilli, Euclidia mi, Acidalin fumata, Semiothisa liturata. Ematurga atomaria, Bupalus piniaria, Perconia strigillaria, Hyria muricata, Thera variata* and *Thera firmata*. Plus small collection from Silverdale]. [Lepidoptera] [Insects].

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1927 Displays Oporabia species from Silverdale, Grange and Witherslack. Man. Ent. Soc. 23rd Report and Transactions. 1925. p234. [Insects].

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1988 "Plant Record **244/1** *Philadelphius coronarius* L. V.C. 69, Westmorland : South of Barbon. G.R 34/62.81. Edge of plantation. C.E.Wild, 1987, LANC. New Vice-county record." Watsonia. **17**, (2), July, 189. [Flora].

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1989 "Plant Record **43/2** *Anemone ranunculoides* L. V.C. 69, Westmorland : east of Mabbin Hall. G.R. 34/50.84. Wood. C.E.Wild, 1987. First Vice-county record." Watsonia. **17**, (4), August, 465. [Flora].

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1991 "Plant Record **115/6a** *Hypericum maculatum* Crantz subsp. Maculatum. V.C. 69, Westmorland : Roadside, A685 road, Low Borrowbridge. G.R. 35/60.01. C.E.Wild, 1989, **LANC**, det, N.K.B.Robson. New Vice-county record." Watsonia. **18**, (4), August, 421.[Flora].

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1991 "Plant Record **220/3/12** *Alchemilla mollis* (Buser) Rothm. V.C. 69, Westmorland : By pond, Pinfold Bridge, Raisbeck. G.R. 35/64.07. C.E.Wild, 1989, LANC, 2nd record." Watsonia. **18**, (4), August,425. (For first record see Burton, P.(1991)). [Flora].

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1951 Meeting 23 rd March, 1949. Proc. S. Lond. ent. nat. Hist. Soc. Session : 1949-50. 4. Exhibited *Erebia epiphron* Knoch - a series from the English Lake District, showing local variation with the gradual disappearance of the orange markings on the forewings. [Insects].

1953 British Lepidoptera Collecting, 1952. Entomologist. **86**, 6, June, 140-147. [Reference to N.L.Birkett]. [Insects].

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1960 British Lepidoptera collecting, 1959. [Brief account of M.V. trapping in Brampton and district near

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1961 British Lepidoptera Collecting, 1960. Entomologist. **94**, (1178), July, 157-165. [Includes Witherslack]. [Insects].

1962 Annual Exhibition, October 1961. Proc. Trans. S. Lond. ent. nat. Hist. Soc. p55. [Exhibits : the following species :- *Coenonympha tullia* Mull from Meathop Moss and *Diataraxia oleracea* L from Witherslack]. [Lepidoptera]. [Insects].

1964 Annual Exhibition. October. 1963. Proc. Trans. South London nat. hist. Soc. 44. [Exhibits : From Witherslack : *Amathes ditrapezium* Schiff. *Bombycia viminalis* F., melanic. *Apamea monoglypha* Hufn melanic form. *Plusia iota* L. *Plusia bractea* Schiff. *Venusia cambrica* Curt. *Semiothisa liturata* Clerck, melanic form ab - Nigrofulvata Collins. From Lake District : *Eustrotia reticulata* F. From Meathop Moss : *Coenonympha tullia* Mull (with large underside spots and slight bleaching on the right forewing)]. [Lepidoptera] [Insects].

1964 British Lepidoptera Collecting, 1963. Entomologist. **97**, (1211), April, 79-90. [Locations include : Arnside Knott. Windermere. Witherslack]. [Reference to N.L.Birkett]. [Insects].

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1973 Who's Who? The Economic Forestry Group. L.D.N.T, Newsletter. **21**, May, 32-34. [Biography]

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1874 Woodcock breeding in Cumbria. Field. May, 9. [Birds].

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APPENDIX 1.

CUMBERLAND GEOLOGICAL SOCIETY : PROCEEDINGS; A brief listing of papers 1990-2008.

ANON

1998 Dennis Wildridge : an Obituary. **6**, (2), 300.
1998 Walter Annis : an obituary. **6**, (2), 300.
2010 Cleator Moor Mines. Field Excursion. 20th May, 2009. **7,** (4) ,413-415.
2010 Cross Fell and the Pennine Escarpment. Field Excursion. 4th July, 2009. **7,** (4),,421-422.
2010 Ghyll Scar Quarry, Millom. Field excursion. 26th April, 2009. **7,** (4), 409-412.
2010 Glenridding landforms and landscapes Field Excursion. 21st September, 2008. **7,** (4), 409.
2010 Keltonfell top, Ennerdale. Field Excursion. 2nd July, 2008. **7**, (4), 406-408.
2010 Parkend Quarry, Caldbeck. Field Excursion. 14th May, 2008. **7**, (4), 403-405.
2010 Shapfell limestone quarry. Field Excursion. 7th, June, 2009. **7**, (4), 403-405.
2010 The geology of the Tilberthwaite Area. Field Excursion. 14th June, 2009. **7,** (4), 415-420.
2010 The Newlands Valley. Field Excursion. 26th April, 2008. **7**, (4), 401.

BELL, Andrew.

1996 The Windermere group between Troutbeck and Kendal. Field Excursion 8th October, 1994. **6**, (1), 80-81.
2008 Skiddaw group rocks in the Brampton inlier and the surrounding Borrowdale volcanoes. **7**, (3), 317-318.
2008 Tectonics and climate change in the Carboniferous of the Sedburgh District. **7**, (3), 326-327.

BENNETT, Margaret.

2000 John Frederick Norman Green (1875-1949) An eminent Amateur Geologist. **6**, (3), 395-397.

BOARDMAN, J.

1992 Quaternary landscape evolution in the Lake District : A discussion. **5**, (3), 285-315.

BOLAND, Martin.

1996 The Upper carboniferous of the Cockermouth area. Field Excursion.19th June, 1994. **6**, (1), 73-75.

BRADLEY, Steve.

2002 Rivers, landscapes and man : a system in equilibrium? **6**, (4), 614-616.

BRAMBLES, Geoff.

2010 The many uses of Shap Granite. **7**, (4), 365-370.

BRIDGE, Dave.

1998 Copper mines of the Lake District. **6**, (2), 284-286.
2004 Early mining in the Lake District. **7**, (1), 109-111.

BROWN, Stewart.

1994 North Sea Hydrocarbon plugs. **5**, (4), 501-502.

BURGESS, I. C.

1994 Joint Author : Mitchell, M. Origin of limestone pavements. **5**, (4), 405-412.
2002 The Carboniferous limestones of Yewbarrow and Beck Head. Field Excursion. 19th September, 2000. **6**, (4), 598-602.

CAMERON, A. D.

1992 Honister Crag and Yew Crag Slate Quarries. Field Excursion 16th September, 1990 and 21st April, 1991. **5**, (3) : 351-352.

CHADWICK, Andy.

1998 Deep geology and fault reactivation in Northern England. **6**, (2), 293-295.

CHAPLOW, Bob.

1996 The recent geological investigations around the Sellafield area. **6**, (1), 108-111.

CLARK, D.

1994 The challenge of the Lake District's big landforms. **5**, (4), 502-504.

CLARK, Richard.

1992 A possible late incursion of Scottish Ice into North Cumbria : a short communication. **5**, (3), 326-330.
1992 Glaciation of Low Furness : the problems of the Irish Sea re-advance. Joint Meeting with Farnham Geological Society. 8th June, 1991. **5**, (3), 355-358.
1992 The last glaciation in Cumbria. **5**, (3), 378-380.
1994 The Skiddaw Massif problem. **5**, (4), 437-448.
1998 Joint Author : Smith, R.A.The recent investigations into the Quaternary geology of West Cumbria. **6**, (2), 203-225.

1998 Thomas Hay, Lake District physiographer. **6**, (2), 171-182.
2002 The Solway region in the late Pleistocene. **6**, (4), 553-586.
2004 How old is the Lake District landscape? **7**, (1), 37-45.
2004 The distinctiveness of the Southern Lake District landscape. **7**, (1), 46-57.
2006 On identifying frontal positions of Lake District valley glaciers.**7**, (2), 162-176.

CLARKSON, Euan.

1996 Joint Author : Taylor, Cecilia. The graptolites of Dobb's Linn. Field Excursion. 24th April, 1994. **6**, (1), 67-68.

COCKERSOLE, Jim.

1994 Geological features involved in the planning and construction of the A66 Trunk Road between Cockermouth and Keswick. Field Excursion. 16th, June, 1993. **5**, (4), 496-498.

COOPER, A.H.

1994 Gypsum caves and subsidence in the Vale of Eden and North Yorkshire. **5**, (4), 507-508.

COOPER, M.

1992 Menerals of the Caldbeck Fells. **5**, (3), 384-385.

COURTMAN, Nigel.

2004 Coniston Copper Mines. **7**, (1), 103-105.

DAY, Alan.

1996 Shallow water deposits, flora and fauna in the lower Carboniferous of Ashfell and Asby Fell. **6**, (1), 99-101.

DEARLOVE, Jeremy.

2000 Geology and risk assessment - from old mines to new landfills. **6**, (3), 463-467.

DICKINS, Dennis.

1992 Joint Authors : Guion, P & Jones, N. Field Expedition.7th July, 1990. Coal measures of West Cumbria. **5**, (3), 344-348.
1996 Current thoughts on the development of the coal measures in Cumbria. **6**, (1), 112-114.
1998 Geology of the South Solway coast between Maryport and Dubmill point. Field Excursion.. 3rd, July, 1996. **6**, (2), 258-259.
2000 Henry Alleyne Nicholson, (1844-1899) : A renowned Cumbrian Polymath. **6**, (3), 349-352.
2002 Watch Hill and Elva Plain through the eyes of Tom Eastwood. Field Excursion. 8th, July, 2000. **6**, (4), 593-596.

DIGGLES, Alan.

1998 Geology of the Sedburgh Area. Field Excursion. 20th, July, 1996. **6**, (2), 271-272.

DODD, Mervyn.

1992 The Cleator Moor coal and hematite mines. Field Excursion. 17th, June, 1991. **5**, (3), 360-361.
1992 The Edgar Shackleton Collection : a note. (Includes Bibliography). **5**, (3), 395-397.
1992 The geology of Kelton Fell Top, Kirkland. Field Excursion..18th July, 1990. **5**, (3), 349-350.
1994 Kinniside Lead Mine, near Cleator Moor. Field Excursion. 7th, June, 1992. **5**, (4), 481-482.
1996 Cumbria RIGS Group. **6**, (1), 35-40.
1996 Geology from the cycleway. Field Excursion. **6**, (1), 87-89.
1996 The Skiddaw group above Loweswater. Field Excursion. 11th, May, 1994. **6**, (1), 69-70.
1998 Joint Author : Kelly, David. The carboniferous and permo-triassic of West Cumbria. Field Excursion. 25th-26th, October, 1997. **6**, (2), 273-275.
1998 Joint Author : Kelly, David. The West Cumbrian iron ore field. Field Excursion. 7th, June, 1992. **6**, (2), 266-269.
1998 Buttermere and Gosforth, two contrasting settlements. **6**, (2), 226-230.
1998 Joint Author : Livsey, David. Sandstones and fluvial features of the Lower Calder Valley. **6**, (2), 259-261.
2000 Alfred Harker (1859-1939): the 'founding father' of modern Petrology. **6**, (3), 381-383.
2000 Charles Edmonds (1885-1964) : A man of many parts. **6**, (3), 399-402.
2000 Joint Author : Lawton, Fred. Francis J. Monkhouse (1915-1975) : Lakeland Geographer. **6**, (3), 421-424.
2000 The Cockermouth lavas and other features around Isel. Field Excursion. 20th, June, 1998. **6**, (3), 433-434.
2000 Tom Eastwood (1888-1970) : An eminent survey geologist in Cumberland. **6**, (3), 403-405.
2002 In Charles Edmond's day : Longlands & Clints. Field Excursion. 19th, July, 2000. **6**, (4) : 596-597.

2002 The Iron ore mines of West Cumbria. **6**, (3), 457-460.
2004 Joint Authors : Smith, R.A. & Thompson, C.J. Review of **:-** Earth, water and fire, two hundred years of geological research in the English Lake District by David R.Oldroyd. Memoir **25**. The Geological Society of London. ISBN 1.86239.107.6.
2004 Mousegill Quarry,Wilton near Egremont. Field Excursion 14th, May, 2003. **7**, (1), 78-82.
2006 Joint Author : Forsdyke, Michael. Geology of the Kirkbeck Valley. Field Excursion. 6th, July, 2005. **7**, (2), 233-235.
2008 Joint Author : Powell, David. Isel Hall and Clints Crag, Blindcrake. Field Excursion. 1st, May, 2007.

FARROW, Della K.
2002 Joint Authors : Burnley, Martin G., Oxford, Stephen & Palmer, Adrian. A thermal contraction crack in bedrock at Braithwaite, Cumbria. **6**, (4), 485-496.

FOX, Margaret.
1998 Eskdale. **6**, (2), 231-233.
2000 Robert Harkness (1816-1878) : A geological pioneer in Northern England and Southern Scotland. **6**, (3), 333-340.
2002 Building and decorative stones in Whitehaven. **6**, (4), 505-510.

FREELAND, Anne.
2006 Joint Author : Beale, Susan. The Howk, Caldbeck. Field Excursion. 15th, September, 2004. **7**, (2), 211.

GRAHAM, David J.
2008 The formation and significance of a Moraine-mound Complex ("Hammocky moraine") of the Younger Dryas Age in Ennerdale, English Lake District. **7**, (3), 297-305.

GRAY, Iver.
1996 An introduction to the Silurian and Carboniferous rocks in the Langholm Area. **6**, (1), 70-72.
2004 Silurian and carboniferous Rocks of the Langholm area. Field Excursion. 26th,May,2002. **7**, (1), 62-66.

GRECH, David.
2004 Cumbrian rocks and vernacular architecture. **7**, (1), 115-116.

GUNNER, John.
1998 Turbidites and other rocks of the Windermere Supergroup. Field Excursion. 5th, May, 1997. **6**, (2), 264-265.
2008 Geology of the Hawkshead and Coniston area. Field Excursion. 19th, August, 2006. **7**, (3), 321-322.

HIGGS, Will.
1998 The dynamic landscape of Greenland. **6**, (2), 280-281. [Reference to Bowscale Tarn].

HUDDART, David.
1994 Controversial Irish Sea glacial models : some answers from the Cumbrian lowlands. Field Excursion.. **5**, (4), 476-480.
1994 Joint Author : Clark, R. Conflicting interpretations of glacial sediments and landforms in Cumbria. **5**, (4), 419-436.

HUGHES, David.
1998 The glacial deposits of the North of England : the engineers view. **6**, (2), 277-280.

HUGHES, R.
1992 Recent advances in the understanding of the Skiddaw Group. **5**, (3), 380-382.
1992 Skiddaw Group of Watch Hill and Sale Fell. Field Excursion.. Joint Meeting with Westmorland Geological Society. **5**, (3), 361-363.

JACKSON, D. E.
1992 Hydrocarbon exploration in the Manx Basin. **5**, (3), 382-383.

JACKSON, Dennis,
2006 Windows on a Geological Profession. **7**, (2), 243-244.

JOHNSON, Eric.
1994 The rise and fall of an Ordovician island arc. **5**, (4), 515-517.
1998 The Low Furness Ordovician inlier. Field Excursion. 27th, April, 1997. **6**, (2), 262-264.

JOHNSON, G.A.L.
1992 Dianantian carbonate cycles of West Cumbria. **5**, (3), 265-283.

JOHNSON, Richard.
2006 Raise Beck, Dunmail Rise. Field Excursion. 29th, June, 2005. **7**, (2), 231-233.

JONES, Neil S.

1994 Joint Author : Guion, Paul D. Westphalian sedimentology of the Whitehaven and Lowca area. Field Excursion. **5**, (4), 469-472.

KELLY, David.

1992 Geology of the area south of Torver. Field Excursion. 19th, May, 1991. **5**, (3), 353-355.

1994 The Borrowdale Volcanic Group of the upper Calder Valley. Field Excursion.. **5**, (4), 467-468.

1996 The Latterbarrow Sandstone. Field Excursion.. 5th, July,1995. **6**, (1), 91-93.

2000 Geology of the area around Floutern Tarn. **6**, (3), 443-447.

2000 John Bolton (1790-1873) : Pioneer geologist in the Furness Area. **6**, (3), 325-328.

2000 The RIGS site at Beck Wythop. Field Excursion. 15th, May, 1999. **6**, (3), 437-438.

2000 The St Bees Sandstone above Barrowmouth. Field Excursion. 1st, July, 1998. **6**, (3), 434-435.

2002 The Furness of John Bolton : Lindal, Plumpton, Gleaston and Stank. Field Excursion. 4th, June, 2000. **6**, (4), 588-591.

2004 Silurian rocks south of Torver. Field Excursion. 30th, June, 2002. **7**, (1), 70-71.

2004 The geology of the area around Netherton. Field Excursion..17th, April, 2002. **7**, (1), 58-59.

2006 Joint Author : Brown, John. The coal measures south of Whitehaven Harbour. Field Excursion. 19th, May, 2004. **7**, (2), 193-194.

2006 The Borrowdale volcanic group at water Crag, Wastwater. Field Excursion. 4th May, 2005. **7**, (2), 212.

2008 The case of the lady in the lake - the use of forensic geology. **7**, (3), 257-262.

2008 The upper Calder Valley. Field Excursion. 23rd May, 2007. **7**, (3), 323-326.

LAWTON, Fred.

1998 The RIGS site at Aughertree Fell. Field Excursion. 21st, May, 1997. **6**, (2), 265-266.

2006 The submerged forest on Allonby Beach. Field Excursion. 2nd, June, 2004. **7**, (2), 194-195.

LEVISTON, Derek.

1996 New exposures in the lower carboniferous along the Dalton-in-Furness by-pass. Field Excursion. 3rd, July, 1994. **6**, (1), 75-76.

2004 Quaternary deposits on the west side of the Furness Peninsular. Field Excursion 16th, June, 2002. **7**, (1), 66-70.

LIVESEY, David.

1998 The RIGS sites in Wasdale. Field Excursion. 2nd, July, 1997. **6**, (2), 269-270.

2000 Volcanic and igneous rocks in Wasdale. Field Excursion. 14th, July, 1999. **6**, (3), 442.

2004 The scenery of the Nannycatch Gorge. Field Excursion. 17th, July, 2002. **7**, (1), 71-72.

2004 Upper Wasdale. Field Excursion. 16th, June, 2003. **7**, (1), 83-84.

2006 Sale Fell : minette intrusion and Skiddaw Group. Field Excursion. 5th, May, 2004. **7**, (2), 192-193.

2008 Peel place sand and gravel pit & sandpit at Santon Bridge, Wasdale. Field Excursion. 21st, June, 2006. **7**, (3), 319.

LUNN, Angus.

1996 The glaciation of the Northern Pennines. **6**, (1), 120-124.

2000 John Goodchild (1844 -1906) and Frederick Trotter (1897-1968) : Pioneering workers on the glaciation of Cumbria. **6**, (3), 353-359.

MACCHI, L.

1994 Permo-triassic rocks of Cumbria. **5**, (4), 523-524.

1994 The permo-triassic rocks of the Eden Valley. Field Excursion with the Westmorland Geological Society. 25th, April, 1993. **5**, (4), 483-485.

MARCHANT, A. C.

1992 Metamorphic rocks of the Skiddaw Granite Aureole. Field Excursion.. 6th, June, 1990. **5**, (3), 341-343.

McCORMAC, Mike.

1996 Progress of survey mapping in West Cumbria : lowland glaciation and opencasts. **6**, (1), 136-138.

1998 Glacigenic features and coal measures, Mockerkin and Dean Moor. Field expedition. 29th, June, 1996. **6**, (2), 256-257.

MELLER, Nicola.

2000 The metamorphic history of the Borrowdale Volcanic Group, North West England. **6**, (3), 451-454.

MERRITT, John.

1996 Glacial sediments around St Bees. Field Excursion. 23rd, April, 1995. **6**, (1), 82-84.

MILLWARD, David (Dave).

1994 Lake District volcanism : caldera cycles and crustal extention. **5**, (4), 505-507.

2000 Joint Author : Soper, Jack. George Hoole Mitchell (1902-1976) : Pioneer mapper of the Borrowdale volcanic group. **6**, (3), 415-419.

MITCHELL, Murray.

1994 The building stones of Cartmel Priory. **5**, (4), 518-520.

2000 Edmund Johnston Garwood (1864-1949) : carboniferous biostratigrapher. **6**, (3), 385-388.

2000 The carboniferous limestone of Whitbarrow. Field Excursion. with Liverpool Geological Society. 26th, June, 1999. **6**, (3), 438-440.

2000 Threlkeld Mining Museum and Quarry. Field Excursion. 10th, July, 1999. **6**, (3), 440-442.

2010 Records of the use of Egglestone marble in Cumbria. **7** (4), 355-364.

MITCHELL, Wishart.

1996 Glacial landforms of the Mallerstang area of the Western Pennines. Field Excursion.18th, June, 1995. **6**, (1), 89-90.

1996 Quaternary landforms of upper Edenside. **6**, (1), 118-120.

MONRO, S. K.

1992 Permian rocks of the North Solway Basin. Field Excursion. 23rd, June, 1991. **5**, (3), 358-359.

MOORE, J. McM.

1996 Geological mapping and prospecting from space. **6**, (1), 126-130.

MOSELY, Frank.

1994 Borrowdale volcanic group rocks in the Lingmoor area of Langdale. Field Excursion.5th, June, 1993. **5**, (4), 493-495.

1994 Geological mapping and photogeology in the Lake District. **5**, (4), 520-522.

NEIL, Brian.

1996 The St. Bees sandstone at Hawcoat Quarry. Field Excursion. 3rd, July, 1994? **6**, (1), 77-79.

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