

TRANSACTIONS
of the
WHARFEDALE NATURALISTS' SOCIETY
VOL II
OCTOBER 1946 - DECEMBER 1947

OFFICERS FOR SESSION 1946-47

President	W. F. Fearnley
Secretary	Miss E. M. Brown
Treasurer	C. Thompson Walker
Librarian & Assistant Secretary	Col. R.S.P. Bates,
Committee	A. Charlesworth, L.S. Moss,
	Dr. K.C. Crosbie,
	A.E. Pullan, Miss N. Saunde:

The President, Mr. W. F. Fearnley, in his report at the second A.G.M. on October 7th 1947, said that he thought members were now feeling the benefit of the formation of the society, in that it gives opportunities for the interchange of experiences and in a small way contributes to the knowledge of wild life in the Yorkshire area.

MEMBERSHIP. The membership during the year was 51 including 7 junior members.

FINANCIAL POSITION. Subscriptions have remained at 5/- for adult members, and 2/6 for junior members, with an entrance fee of 7/6. The financial statement at the end of session 1946-47 shows an excess of income over expenditure of £6. 14. 6. and a total credit balance of £18. 15. 6.

YORKSHIRE NATURALISTS' UNION. The society has maintained contact with the Y.N.U., with which it is affiliated, by attendance of members at meetings of the Union, and by sending in of local reports.

YORKSHIRE NATURALISTS' TRUST, LTD. The society has become a member of this Trust, and as such has right of access to areas owned by the Trust. One of the most interesting of the summer excursions was a visit to Askham Bog, a large area of which has been taken over by the Trust.

ACTIVITIES DURING THE SESSION. During the winter fortnightly meetings were held, including at each meeting a period for members' reports of items for inclusion in the sectional records. During the summer a programme of excursions was arranged and successfully carried out with fine weather on each occasion. These included general society excursions and also those arranged by the separate sections. Meetings for collection of records followed the excursions.

THANKS from members of the society are due to those who have contributed to the activities of the society during the session; to visiting lecturers and members who gave talks; to Col. Bates for the use of his lantern; to other local societies who have invited members of the W.N.S. to some of their meetings and excursions; to members and friends who gave library books; to members who shared their cars, thus making excursions possible; to Mr. Graham for prize awarded for best essay in the junior essay competition; and to the Ilkley Gazette for publishing reports of meetings in the local papers.

WINTER PROGRAMME

- Oct. 1. ANNUAL GENERAL MEETING
10. Visit to Otley & District Photographic Society.
"AFTER BIRDS IN THE SCOTTISH HIGHLANDS" R. Chislett
15. "FUNGI" Dr. W. S. Sledge
Nov. 5. "SOME INDIAN BIRDS & PLANTS" Col. R. S. P. Bates
19. "RESEARCH WORK FOR WHARFEDALE NATURALISTS" C. A. Cheetam
Dec. 5. "SEA BIRDS" W. F. Fearnley
17. "BUTTERFLIES & MOTHS OF WHARFEDALE MOORS" Rev. C. F. Tomlinson
Jan. 7. "SOME PLANT EATING INSECTS" W. D. Hincks
28. "THE SCARCER BIRDS OF UPPER WHARFEDALE" Rev. C. F. Tomlinson
Feb. 11. NATURE QUIZ
25. "BIRDS OF THE CALRNGORMS" Dr. K. C. Crosbie
Mar. 11. Junior Members' Night
25. "MOUNTAIN LIMESTONE" A. Charlesworth
Apr. 1. "BEETLE ECOLOGY" J. R. Dibb
15. "A COUNTRYMAN'S DIARY" A. E. Pullan
29. Sectional meetings

SUMMER PROGRAMME, 1947

- May 5. Thurs. Burley Woodhead (Ornithological Section)
Leader Mr. W. Flesher.
13. Tues. Riverside to Cocking End (Botanical Section)
18. Sun. Pool and Castley (permission Mr. R. E. Renton)
Leader Mr. Marjoram.
27. Tues. Bolton Abbey (Entomological Section)
Leader Rev. Tomlinson.
June 1. Sun. Askham Bog (permission Yorkshire Naturalist Trust)
Leader Guide supplied by York. Field Nat. Club)
10. Tues. Burley Woodhead (Ornithological Section)
17. Tues. Addingham Moorside (Botanical Section)
21. Sat. Denton Park (permission Mrs. Hill)
July 20. Sun. Simons Seat (Permission Estate Office Bolton Abbey)

SECTIONAL REPORTS

BOTANICAL SECTION

NOTES FROM RECORDS

The actual number of species recorded this year, 165, is less than during 1946, although some species additional to those recorded last year have been noted.

These include among the fairly common plants:-

<i>Eranthis</i>	(winter aconite)	Burley	W.F.
<i>Saxifraga tridactylites</i>	(rue-leaved saxifrage)	Barden	E.M.B.
<i>Lychnis alba</i>	(white campion)	Hawkesworth	A.S.
<i>Arabis hirsuta</i>	(hairy rock cress)	Malham	A.S.
<i>Stellaria uliginosa</i>	(bog stitchwort)	Askham Bog & Washburn	
<i>Scrophularia nodosa</i>	(figwort)	Addingham	
<i>Veronica montana</i>	(mountain speedwell)	Denton Park	
<i>Solanum Dulcamara</i>	(woody nightshade)	" "	
<i>Symphytum officinale</i>	(comfrey)	Farnley	G.R.P.
		Washburn	A.S.
<i>Gagea lutea</i>	(yellow gagea)		A.E.P.
<i>Spergula arvensis</i>	(corn spurrey)	Washburn	A.S.
<i>Oenanthe crocata</i>	(hemlock water dropwort)	"	A.S.
<i>Euphorbia helioscopia</i>	(sun spurge)	"	A.S.

Trollius europaeus (*trollius*), a plant of mountain pastures, restricted in locality, has been found on Threshfield moor (A.S.) *Rubus chamaemorus* (cloudberry) and *Vaccinium vitis-idaea* (cowberry) are two moorland plants found on Simon's Seat this year.

Rather outside the Wharfedale area, the society's visit to Askham Bog gave members an opportunity of seeing a number of typical bog plants, some of them not encountered at all in our area and others of rare occurrence:

Shrubs present were *Rhamnus frangula* (alder buckthorn), *Myrica gale* (bog myrtle), *Salix alba* (white willow) and *Salix repens* (creeping willow). *Orchis latifolia* (marsh orchid), *Hottonia palustris* (water violet) and *Menyanthes trifoliata* (bog bean) were seen in flower, and plants identified but not flowering were *Thalictrum flavum* (meadow rue) *Ranunculus lingua* (great spearwort), *Potentilla palustris* (marsh potentilla), *Callitriche aquatica* (water starwort) and *Lemna trisulca* (ivy-leaved duckweed). Three typical sedges were identified: *Carex flava* (yellow sedge), *Carex panicea* (carnation sedge) and *Carex acutiformis* (marsh sedge).

The bog bean, a flower which caused interest here was subsequently observed this year, fairly plentiful, in a bog area near Malham Tarn (E.M.).

This year has been remarkable, botanically for the very late spring and the subsequent rapidity with which species flowered in succession, the spring and early summer flowers often overlapping in their time of blooming.

A few early records came in in the first half of January. Gorse (*Ulex Europaeus*) was in bloom at Burley Woodhead on Jan. 5. (W.F.) and *Eranthis* (winter aconite) at Burley on Jan. 11 (W.F.) and by Jan. 19 *Corylus Avellana* (hazel) male catkins were beginning to lengthen (W.F.F.). After this came the snow, and it was not until March 17 that the ground really began to be uncovered. A poor specimen of *Mercurialis perennis* (dog's mercury) with male flowers was found on March 1 (E.M.B., J.B.) where a small patch of earth was clear, but March 22 was the beginning of the flowering season for the "early" spring flowers. On this date the first *Ranunculus ficaria* (lesser celandine) was observed (A.E.F.), followed by *Tussilago farfara* (coltsfoot) seen at Menston on March 24, (W.F.) and *Tussilago petasites* (butterbur) at Ilkley by March 29 (A.E.F.)

(Last year coltsfoot was recorded as early as Feb. 7 and the celandine *Potentilla sterilis* (barren strawberry) Ghyllwood, Ilkley (Apr. 5. N.S.) *Chrysosplenium alternifolium* (golden saxifrage) Bolton Woods (Apr. 9. J.B.) and *Anemone nemorosa* (wood anemone) Hawksworth (Apr. 12) were not seen until the first weeks of April.

By the middle of April a number of herbaceous plants were in flower and of the trees, the hazel had female flowers showing at the beginning of the month (W.F.F.) April 2. Elm was in flower in Ilkley on April 16. (E.M.B.), and larch female flowers by Apr. 27 (K.C.C.) Sycamore and Horse chestnut buds were bursting in Ilkley on Apr. 9 (E.M.B.) Elder was in leaf by Apr. 12 and Horse chestnut was observed with leaves opened on Apr. 17 (E.M.B.). By Apr. 20 Hawthorn leaves were evident (E.M.B.) It was May 17 when the first oak in leaf was seen (E.M.B.) and Ash was as late as May 24.

The first buttercup recorded was *Ranunculus acris* (field buttercup) seen on May 10, and the first bluebell (*Scilla nonscripta*) the same date. No early record of primrose was given this year.

May and June showed a continuous succession of the early summer flowers, but records for July and August are rather scanty.

Fruits this season are on the whole plentiful and in particular an abundance of Horse chestnut capsules is noted.

Initials denote the members who first noted the species in each case:-

Miss J. Bartle, Miss E. M. Brown, Dr. K. C. Crosbie, T. F. Fearnley, W. Flesher, G. E. Frost, A. E. Pullan, Miss A. Stansfield, Miss N. Saunders.

Where no initials are given, species were observed on excursions. Many other records have been supplied by these and other members of the section, and the full detailed records will be found in the Botanical Section RecordBook.

Recorder Miss E. M. Brown

ENTOMOLOGICAL SECTION

The main feature of 1947 is that it was a clouded yellow year and there was a plague of Large and Small Whites.

BUTTERFLIES

Green hairstreak	Bolton Abbey, May 27
Red Admiral	Ilkley, April 24 (L.M.) July onwards (K.C.C., D.H.)
Clouded Yellow	Ilkley, May 30 (G.R.F.) Washburn Vall June 28, Aug. 17 (K.C.C.) Bolton Abbe Oct. 5 (C.F.F.)
Large Skipper	Washburn June 25 (K.C.C.)
Common Blue	" June 25th (K.C.C.)
Small Copper	" June 25 9(K.C.C.) Aug. 17 (K.C.C.)
Dark Green Fritillary	" July 12, Aug. 17 (K.C.C.)
Peacock	" Aug. 5 (K.C.C.) Aug. 16 (K.C.C.) Ilkley Aug. 16 (D.H.)
Painted Lady	Ilkley Aug. 12 (D.H.) Washburn (K.C.C.) Ilkley Aug. 24 (K.C.C.) Bolton Abbey Oct. 1 (K.C.C.)

Large and small white were very abundant. Green veined white, meadow brown, small heath and small tortoiseshell also abundant all over the district. There were no orange tip recorded this season.

MOths

The most interesting records were:-

Poplar hawk moth. May 31 (N.S.) June 7 (R.F.G.) Elephant hawk moth Otley, June 3 (W.F.F.) Humming bird hawk moth, Sept. 27 (H.J.W.) Sept. 30 (C.T.W.) Oct. 5 (G.R.F.) Pearly underwing, Dark sword grass, Green brindled crescent, Bolton Abbey, Sept. (C.F.T.)

Sirex gigas (Large sawfly) Ilkley, June 28 (N.S.)
Simons Seat, July 20.

Key to initials:-

Dr. K. C. Crosbie, W. F. Fearnley, G. R. Frost, D. Hurst, L. S. Moser,
Rev. C. F. Tomlinson, Miss N. Saunders, C. Thompson Walker,
H. J. Williamson.

Recorder D. Hurst.

VERTEBRATE SECTION

MAMMALS

- OTTER Footprints on ice above Ilkley Old Bridge, also below Ben Rhydding Toll Bridge. Feb. 16 (W.F.F.)
- FOX Dog fox shot (20½ lbs.) Folly Hall Wood. Jan. 5 (W.F.)
- BADGER Bedding removed from large earth, hairs found. Ilkley district. Oct. 7 (K.C.C.)
- HEDGEHOG Four squashed on road, Otley - Ilkley. May 8 (W.F.F.)
- STOAT Nearly full white stoat, near Ilkley. Jan. 19 (K.C. Full white stoat. Jan. 21 (W.F.). Jan 28. (W.F.) Stoats appear to have been much fewer since the cold spell (F.B.).
- WEASEL One seen carrying frog, Adel, April. (K.C.C.) One at Castley, May 18. Nov. 20 (H.M.)
- RED SQUIRREL One seen in Bolton Abbey Woods, first for years. (C.F.T.)

REPTILES

- ADDER Killed in Marsh Ghyll, 2 feet. June 26 (G.R.F.)
- SLOW WORM Lindley Reservoir. June 25 (K.C.C.)
- LIZARD (common) Otley station. Oct. (W.A.)

AMPHIBIANS

- FROG About 20 frogs spawning, Chelker, Apr. 6 (W.F.F.) Frogs spawn, Ilkley, Upper Tarn, Apr. 6. (E.M.B.)

Key to initials:

H. E. Adamson, F. Ball, Miss E. M. Brown, Dr. K. C. Crosbie, W. F. Fearnley, W. Flesher, G. R. Frost, H. Marjoram.

Recorder H. Marjoram.

ORNITHOLOGICAL SECTION

7th October, 1946 to 31st December, 1947

This year reports of the occurrence of 108 species of birds have been received. Although this is not a complete list, it is greater than last year's list because even the most common birds have been entered in the reports of the excursions of the Society or of the Ornithological Section in order to obtain as complete a record of the avifauna of the district as possible. Certain obvious omissions from the list are due to the Section not having visited certain parts of the area. Ten species observed last year have not been reported this year, so that the total number of species of which the Society now has records is 120. The severe weather in the early part of 1947 reduced the numbers of many of our resident birds, in particular Longtailed Tits, Song-Thrushes, Wrens, Kingfishers, Little Owls, Herons, Lapwings, Coot, Red Grouse and Partridges. Notes received since October show that two at least of the species which suffered badly during the cold weather in the early part of the year are re-establishing themselves in the district. They are Longtailed Tit and Little Owl. On the other hand we have had visits from Waxwings, Bewick's Swans and a Red-throated Diver in the winter, a westward migration of Common Terns in the late spring (an autumn note also reports Common Terns proceeding to the west, and a Greenshank in September. Except for Teal, duck do not seem to have come to the waters in the Society's area in as large numbers as they did last autumn. The most interesting nesting report came from Grassington, where Dr. K. C. Crosbie examined the eggs, unfortunately deserted, of a pair of Quail. Details of many of the records are listed below. Where only dates and localities are mentioned, they are dates on which migrants were first or last observed. Initials following notes refer to names of those who made the reports. A key is appended.

RAVEN (*Corvus Corax corax*) - One out of a party of seven was trapped at a sheep's carcass on Grassington Moor on October 8th. It was later exhibited at a meeting of the Society. (W.F.F.)

HOODED CROW (*Corvus cornix cornix*) - One was seen at Stainburn on Dec. 4th and 5th (H.W.)

MAGPIE (*Pica pica pica*) - Appears to be about as numerous as last year.

MAGPIE - Two Magpies fought and drove off a Sparrow Hawk which attacked one of them during the hard weather at Bolton Abbey (C.F.T.)

JAY (*Garrulus glandarius rufitergum*) - Not as many reported this year. Birds have been noticed at Denton (P.J.A.) and Farnley (W.F.C.) Burley Woodhead (W.F.) and Bolton Abbey (R.F.G.)

STARLING (*Sturnus vulgaris vulgaris*) - No large roost was reported in the area this year, but a small roost in the reeds at the edge of Farnley Lake held about 55 birds (W.F.F.)

HAWFINCH (*Coccothraustes coccothraustes coccothraustes*) - Seen at Buckden on August 15th (H.M.)

HAWFINCH - Four were seen feeding on the ground beneath a birch tree at Bolton Abbey on March 23rd; later in the year a nest was found high up in a hawthorn tree (C.F.T.)

GOLDFINCH (*Carduelis carduelis britannica*) - A flock of about 20 frequented the Wells House grounds during September and October, 1946 (J.A.C.) Two were seen near Ilkley Filter Beds on Sept. 25th 1946 and three at Nessfield on Dec. 29th (W.F.F.) about thirty on Lodge Hill on Dec. 30th (D.F.) and four in Rupert Road on July 10th (A.C.W.D.) Near Ilkley Old Bridge on Dec. 12th (R.F.G.) and a small party at Ben Rhydding Filter Beds on Dec. 7th (R.S.P.B.)

SISKIN (*Carduelis spinus*) - Flocks have been seen from Dec. 7th onwards in the Ilkley district by Col. R.S.P.B., H.J.W. and W.F.F.

TWITE (*Carduelis flavirostris flavirostris*) - Eight were seen at Windsover on Sept. 28th (R.F.G.)

LINNET (*Carduelis cannabina cannabina*) - Evidently not many in the area this year, as none have been noted on any of the excursions. The only note is of one near the Highfield Hotel on July 15th (Dr. K.C.C.)

BULLFINCH (*Pyrrhula pyrrhula nesa*) Seen occasionally. Reported from Burley Woodhead on Oct. 6th (P.J.A.) and Fewston on Nov. 3rd (W.F.F.) and has also been seen in gardens in Ilkley. One seen eating Forsythia buds at Ben Thydding on Dec. 24th (Col. R.S.P.B.)

CHAFFINCH (*Fringilla coelebs coelebs*) - A flock of over a hundred, mostly cocks, was on West Chevin on December 1st (H.M.A.) Several were feeding on Forsythia buds early in 1947 (Col. R.S.P.B.)

BRAMBLING (*Fringilla montefringilla*) - A party of at least seven, possibly fifteen, was in West Park Wood, Denton, on Dec. 31st (Col. R.S.P.B.) and about six odd birds were with Chaffinches in the Nessfield area on Jan. 4th. From the beginning of November to Jan. 14th, when the report was received, varying numbers up to fifty or sixty were roosting in holly and yew trees in company with Chaffinches in a garden at Grassington (Dr. K.C.C.). Four remained near Riffa House Farm for several weeks, being first noticed on Feb. 11th (H.M.).

YELLOWHAMMER (*Emberiza citrinella citrinella*) - Continues to breed sparsely in the area, but not noticed much west of Ilkley. Seen in parties with mixed flocks of finches in the winter (W.F.F.). A flock of about 200, mostly cocks, near Riffa on March 6th (H.M.)

TREE SPARROW (*Passer montanus montanus*) - One was seen near Almscliffe Crag on May 18th (W.F.F.)

SKYLARK (*Alauda arvensis arvensis*) - A nest with two eggs and a chick was found just adjoining the road at Lindley on May 25th (H.E.A.)

TREE PIPIT (*Anthus trivialis trivialis*) - April 20th, Riffa (H.M.) Menston, Sept. 20th (J.P.B.)

MEADOW PIPIT (*Anthus pratensis*) - Nov. 30th, three on Burley Moor (P.J.A.) March 23rd, about twenty on small part of Burley Moor, with plenty of snow still about (Dr. K.C.C. and W.F.F.).

YELLOW WAGTAIL (*Motacilla flava rayi*) - April 20th, Riffa (H.M.) and Ilkley (W.F.F.)

PIED WAGTAIL (*Motacilla alba yarrellii*) During the frosty weather Pied Wagtails have been noticed walking on the ice and picking something from the surface at intervals (Dr. F.C.C., J.B., W.F.F.)

GREAT TIT (*Parus major newtonii*) - Singing, Ilkley, March 2nd (W.F.F.) One seen feeding on the head of a dead Robin, March 9th (-.J.)

COLE TIT (*Parus ater britannicus*) - Seen taking cream from a milk bottle, March 17th (P.J.A.)

MARSH TIT (*Parus palustris dresseri*) - A flock of 25 to 30 tits off Grove Road, Ilkley, about the beginning of February, appeared to be mainly this species (R.F.G.)

LONGTAILED TIT (*Aegithalos caudatus roseus*) - Thirty at Burley Woodhead and eighteen at the same place on October 27th and Dec. 1st 1946 respectively (P.J.A.) and a party near the Toll Bridge on Dec. 15th, 1946 (W.F.F.) were the last reports of big parties. The hard weather considerably reduced their numbers. A party of eight or nine was seen occasionally during autumn and winter at Clifton, Lindley and Low Snowden (A.E.P.) and a party at Menston on Feb. 17th 1947 (J.P.B.). A pair was seen at Wheatley Old Hall on March 15th, and seven or eight in Ben Rhydding Drive on the previous day (Col. R.S.P.B.) and a family at Blubberhouses on Aug. 3rd (W.F.F.) Four near Crum Wheel on Dec. 24th (Col. R.S.P.B.) Twenty or thirty were seen in Menston Old Lane on one occasion in December (V.H.)

WAXWING (*Bombicilla garrulus*) - Seven appeared in a garden at Menston within a short distance of where they were seen two years ago on Jan. 3rd and succeeding days. 9 were there on Jan. 5th feeding on Rose hips, hawthorn berries and guelder rose fruits (V.H.) Seven at Burley on Jan. 10th (A.E.P.) five on Jan. 19th (W.F.F.) and seven an hour later (A.E.P.). On Jan. 22nd at Burley, two piles of feathers and a complete Waxwing's beak in each were found beneath one of the bushes which they had frequented (Dr. K.C.C.) and five more piles under a tree nearby (W.F.F.) A flock of about sixteen or eighteen appeared in the same garden at Menston on Jan. 29th (V.H.) There were five in a garden at Weeton about the end of January (H.C.S.) Eight were reported from Denton, March 9th (-.J.)

SPOTTED FLYCATCHER (*Muscicapa striata striata*) - At Bolton Abbey on May 10th, and an egg in the nest on May 19th, but the bird was taken from the nest by a Tawny Owl whilst still sitting (C.F.T.)

PIED FLYCATCHER (*Muscicapa hypoleuca*) A cock was seen at Lindley on June 6th (H.E.A.) and on June 16th the nesthole was found and both

parents were seen taking food into the hole, where the young could be heard (H.E.A. and W.F.F.). On June 22nd the hen was watched feeding two young at the top of a tree about fifty yards from the nest (H.J.W., G.R.F., W.F.F.) On June 16th another hen was seen at Lindley Bridge half a mile away from the first pair, but no nest found (H.E.A., W.F.F.) On April 27th a hen was seen near Ben Rhydding Filter Beds but was not seen again. (W.F.F.)

GOLDCREST (*Regulus regulus anglorum*) - About fifteen or twenty were in an oak tree at Burley on Oct. 20th (P.J.A.) In January one picked up dead was weighed by Mr. Dalton and weighed three-sixteenths of an ounce. There have been no reports since the hard weather (W.F.F.)

WILLOW WARBLER (*Phylloscopus trochilus trochilus*) Apr. 10th, Riffa (H.M.) Sept. 22nd, Menston (J.P.B.)

WOOD WARBLER (*Phylloscopus sibilatrix sibilatrix*) Apr. 26th Ilkley (D.I.)
FIELDFARE (*Turdus pilaris*) Oct. 17th Burley Woodhead (P.J.A.)

REDWING (*Turdus musicus musicus*) Oct. 12th Ilkley (W.F.F.) Birds came into Ilkley gardens in cold spell (E.M.B.)

RING OUSEL (*Turdus torquatus torquatus*) Oct. 17th, one at Robin Hole (P.J.A.) Burley Moor, March 25th (W.F.L.)

WHEATEAR (*Oenanthe oenanthe oenanthe*) Middleton April 8th (Col. R.S.P.B.)
Apr. 3rd Askwith Moor (R.F.G.) Burley Woodhead Apr. 9th (W.F.L.)

WHINCHAT (*Saxicola rubetra rubetra*) Two near White Wells, June 15th (W.F.)

STONECHAT (*Saxicola torquata hibernans*) Near White Wells, June 25th (D.I.)

REDSTART (*Phoenicurus phoenicurus phoenicurus*) April 27th, Denton (W.F.F.)

WREN (*Troglodytes troglodytes troglodytes*) Very few in the area after the frosts (W.F.F.)

DIPPER (*Cinclus cinclus gularis*) One seen to kill a fish about two inches long by knocking it against a stone, then swallowed it whole (Dr. K.C.C.)
Nested in Heber's Ghyll (H.J.W.) and under Toll Bridge (Dr. K.C.C.)

SWALLOW (*Hirundo rustica rustica*) Oct. 6th 1946 Blubberhouses (D.I.T.W.)
Norwood, April 10th (W.F.L.) Nessfield, April 14th (R.F.G.) Last seen at Menston on Sept. 29th (J.P.B.) and on the same day at Ilkley (R.F.G.) and a pair were feeding young at Burley on Oct. 4th (A.E.P.) At Esscroft, Oct. 12th (K.C.C.)

SAND MARTIN (*Riparia riparia riparia*) April 4th, Crum Wheel (L.S.M.)

HOUSE MARTIN (*Delichon urbica urbica*) April 24th Esscroft (W.F.F.)

SWIFT (*Aus apus apus*) April 19th, six near Toll Bridge (D.H.) August 10th Ilkley (R.F.G.) One seen to catch and lose an Eggar Moth twice before he disappeared over a wall (G.R.F.). Seen at their nesting holes in Bolton Abbey on May 6th (C.F.T.)

GREAT SPOTTED WOODPECKER (*Dryobates major anglicus*) Seen wedging oak-gall on a tree at Burley, before pecking them open (W.F.L.) and also at Farnley (W.F.F.) Best hole occupied in birch stump in Panorama Woods, but deserted without laying, owing to too much publicity (D.I.T.W., G.R.F., H.J.W., W.F.F.)

NIGHTJAR (*Caprimulgus europaeus europaeus*) - Two pairs are known to have reared young this year; one pair at Woofa Bank and another pair at Steadhall Wood (W.F.I.)

CUCKOO (*Cuculus canorus canorus*) - April 19th, Riffa (H.M.) At Bolton Abbey on April 25th (C.F.T.)

LITTLE OWL (*Athene noctua vidalii*) Five found dead in hard weather at Burley (W.F.I.) and two at Castley by Mr. R. Renton. One was picked up dead at Clifton, early in March (J.B.). One has been at Riffa several times during the latter end of September, 1947 and early October (H.M.) One at Denton at the end of October (Dr. R.C.C.) and three or four seen in one day near Huby in November.

SHORT-EARED OWL (*Asio flammeus flammeus*) One near Blubberhouses on Jan. 19th (N.N., W.F.F.)

TAWNY OWL - Took a sitting Spotted Flycatcher from the nest at Bolton Abbey (C.F.T.)

BARN OWL (*Tyto alba alba*) - One roosted in a hollow tree at Denton Park from December onwards, but tree is now cut down (D.I.T.W.)

NESTREL (*Falco tinnunculus tinnunculus*) - Seen to attack a House Sparrow within two yards of Crescent House, Ilkley (D.I.T.W.) One appeared to capture and carry away a Lapwing chick in spite of the strenuous attacks of the parents, on Askwith Moor (J.A.C. and W.F.F.)

MERLIN (*Falco columbarius aesalon*) - A nest with four eggs was found at Bolton Abbey on May 20th (C.F.T.)

SPARROW HAWK (*Accipiter nisus nisus*) - A pair in Hebers Ghyll Wood again this year (H.J.W.) Sitting at Lindley, June 10th (H.E.A.) During the hard weather early this year a Sparrow Hawk attacked a Magpie near Bolton Abbey railway station, and another Magpie joined in the fight, the hawk being eventually driven off (C.F.T.)

HERON (*Ardea cinerea cinerea*) - Hubberholme Heronry deserted (J.A.C.) (Dr. R.C.C., W.F.F.) Four pairs at Harewood heronry (W.F.F.)

BEWICK'S SWAN (*Cygnus bewickii bewickii*) One was picked up dead at Lindley, Jan. 6th and about six others were in the vicinity. There were two on Fewston reservoir on Jan. 19th (W.F.F.)

GREY GOOSE (*Anser* sp.) About twenty flew over Addingham Moorside on Sept. 29th 1946 (J.A.C.) Geese over Ilkley, Dec. 9th (R.F.G.) Twelve passed over Stainburn, Aug. 29th (H.M.) Twenty-nine flew in a north-westerly direction over Bolton Abbey on Oct. 1st (K.C.C.)

GOOSE (? sp.) Ninety, flying east to west near Pool on Dec. 17th (H.M.) Mr. J. A. Forder, keeper, of Lindley, saw about fifty flying at low altitude over his house, against the wind, up the Washburn valley on Dec. 23rd. They did not alight on the Reservoir (W.F.F.)

MALLARD (*Anas platyrhynchos platyrhynchos*) - Largest number reported was on Jan. 19th when 300 were on Fewston reservoir (J.E.). About 150 were on Swinsty reservoir on Jan. 12th and about the same number on Lindley reservoir on Jan. 15th (W.F.F.) Very few on Swinsty reservoir on April 3rd (R.F.G.)

TEAL (*Anas crecca crecca*) Denton Lake continues to be a favourite resort of Teal, about a hundred were there on Sept. 28th (W.F.F.) Large numbers on river at Arthington, early 1947 (H.C.S.) 92 on Denton Lake on Nov. 16th. 71 there on Dec. 28th and 30 on the Brick House Pond near by (W.F.F.)

WIGEON (*Anas penelope*) Few records. Two or three at Fewston in October and January (J.E.) 2 at Farnley October 30th, 2 Chelker Jan. 26th (W.F.F.)

SHOVELLER (*Spatula clypeata*) One at Farnley, Oct. 9th, at Denton, Oct. 20th, two at Lindley Jan. 15th (W.F.F.) and about six at Farnley on Aug. 16th (Dr. K.C.C.). About twenty on Farnley Lake on October 8th (W.F.F.) Four on Lindley Reservoir, Nov. 19th (W.F.F.)

POCHARD (*Nyroca ferina ferina*) Thirty at Fewston, Oct. 7th, some on Nov. 10th (W.F.F.) and Dec. 31st (J.P.B.) and on the other Washburn reservoirs. Over a hundred were at Swinsty on Jan. 12th (W.F.F.) and large flocks were on all three reservoirs on Jan. 19th (D.I.T.W.) Two were seen on the river at Ilkley four times from Feb. 10th to 18th (R.F.)

TUFTED DUCK (*Nyroca fuliga*) - Has been less abundant this year, occurring in ones and twos at Farnley and Fewston (J.P.B., J.E., W.F.F.), and five were at Chelker on Jan. 19th and 26th (W.F.F.)

GOLDENEYE (*Bucephala clangula clangula*) Only three noticed on the river at Mickle Ing (W.F.F.) and up to twelve on the reservoirs (J.E.) Seven at Knotford Nook on Dec. 22nd (F.B.) On the river at Arthington on several occasions (H.C.S.) 12 on Farnley Lake, Nov. 26th, 12 on Lindley, Nov. 19th (W.F.F.) 2 on Chelker, Nov. 22nd and 23rd (Dr. K.C.C.)

GOOSANDER (*Mergus merganser merganser*) Two on river at Arthington on Jan. 18th and 25th, and fifteen near Weeton on March 9th (H.C.S.)

CORMORANT (*Phalacrocorax carbo carbo*) One on Fewston, Nov. 10th (J.A.C.)

GREAT CRESTED GREBE (*Podiceps cristatus cristatus*) Two pairs bred on Fewston (J.E.), one pair bred at Farnley (W.F.F.), there were two pairs on Lindley and one pair hatched young (Dr. K.C.C.)

REDTHROATED DIVER (*Colymbus stellatus*) One remained on the river near Ilkley New Bridge for several days from Feb. 6th (R.F.G., Dr. K.C.C.) (W.F.F.)

CURLEW (*Numenius arquata arquata*) Two at Chelker, Oct. 13th (W.F.F.) Burley Moor, March 19th (W.F.F.) A nest was found with five eggs (H.E.A.)

WOODCOCK (*Scolopax rusticola rusticola*) One flew towards Ilkley close behind the Bolling Road houses. One of a pair flushed in West Park Wood was seen jumping about three feet in the air, possibly some sort of display (Co. H.S.P.B.)

DUNLIN (*Calidris alpina schinzii*) One at Chelker, May 14th (W.F.F.)
On Ilkley Moor during May (Dr. K.C.C.)

COMMON SANDPIPER (*Tringa hypoleucos*) At Denton, April 26th (Dr. K.C.C.)
Five pairs in Ben Rhydding Gravel Pits, May 1st (Col. H.S.P.B.)

GREENSHANK (*Tringa nebularia*) One on Beanland's Island and Ilkley Filter Beds, Sept 14th (W.F.F.)

GOLDEN PLOVER (*Pluvialis apricarius oriophilos*) About 60 near Addingham, Oct. 23rd (R.F.G.) About 120 on Burley Moor, Nov. 30th (P.J.A.)
At Riffa, March 21st (H.M.), and on Burley Moor March 25th (W.F.L.)

LAPWING (*Vanellus vanellus*) Much reduced in numbers after the frosts. First seen returning on March 12th, three birds (Dr. K.C.C.) Noticeably scarcer this year at Bolton Abbey (C.F.T.) in Burley-Ben Rhydding area (A.E.P.), Arthington area (Mr. R. Renton per W.F.F.)

OYSTERCAUCHER (*Haematopus ostralegus occidentalis*) One was seen at Pool Bridge on August 28th (H.M.)

COMMON TERN (*Sterna hirundo hirundo*) or possibly Arctic Tern (*S.macrura*) From single birds up to five together were seen passing up the valley from April 25th to May 1st at Otley and Ben Rhydding (W.W., Dr. K.C.C.) (Col. H.S.P.B., W.F.F.) Three at Chelker on July 13th (W.F.F.) Three definitely Common Terns, passed westwards over Menston at a height of about ten feet on Sept. 21st (J.P.B.)

LITTLE TERN (*Sterna albifrons albifrons*) One feeding over Chelker on May (W.E.F.)

BLACKHEADED GULL (*Larus ridibundus ridibundus*) About thirty formed a gullery on Heber's Moss. About twelve nests were found, but only two with eggs, and four young birds, on June 18th (H.J.W., W.F.F.)

COMMON GULL (*Larus canus canus*) One at Ilkley Feb. 4th (R.F.G.) some at Menston on Feb. 13th (J.P.B.) and about forty at Kilnsey Crag April 13th

CORNCRAKE (*Crex crex*) One shot at Bolton Abbey, Oct. 15th 1946 weighed 6 oz. (Dr.K.C.C.) One heard calling at Weeton, July 27th (H.M.) One at Leatley (H.E.A.)

COOT (*Fulica atra atra*) Suffered severely in the frost. 251 were counted on Farnley Lake on Jan. 1st, only 22 on April 9th (W.F.F.) During the hard weather several were in the river at Ilkley (Dr. K.C.C.) and Arthington (H.C.S.) 8 or 9 stayed on Chelker from Dec. 26th for about a month (W.F.F.)

RED GROUSE (*Lagopus scoticus scoticus*) Came off the moors in the bad weather and fed on hawthorn buds in the hedges below the moors (W.F.L.) One at Adel (Dr. K.C.C.) and one at Castley (H.M.)

QUAIL (*Coturnix coturnix coturnix*) A nest was found with eight eggs deserted, in a grass field at Grassington. Birds not seen, but eggs were identified by (Dr.K.C.C.)