

JD

TRANSACTIONS

of the

WHARFEDALE NATURALISTS' SOCIETY

VOL. IV.

JANUARY - DECEMBER 1949.

OFFICERS FOR SESSION 1948-1949.

President	Dr. K.C. Crosbie	
Hon. Secretary	Miss E.M. Brown	
Hon. Treasurer	L.S. Moss	
Hon. Assistant Secretary and Librarian	Miss J.E. Bartle	
Committee	W.F. Fearnley,	Lt. Col. R.S.P. Bates
	A.E. Pullan	H. Marjoram
	Miss N. Saunders	D. Hurst

REPORT OF SESSION 1948-1949.

MEMBERSHIP

The membership during the year rose to 52 Adult members and 6 Junior members.

FINANCIAL POSITION

The annual subscription for adult members was raised at the Annual General Meeting, October 1948, to 7/6 and the initial Entrance Fee of 7/6 was abolished. Annual subscription for Junior members remained at 2/6.

At the Annual General Meeting 1949 the Financial Statement showed a credit balance of £4.16.9. on the revenue account. The balance in hand being £18.9.7. an increase over 1947/8, mainly due to increased subscription from 5/- to 7/6.

ACTIVITIES DURING THE SESSION

A programme of lectures and meetings was carried out during the winter months as in previous years, and the fine summer enabled some interesting and useful excursions to take place.

A second Bird Ringing Trap was erected during the autumn, near to the first, but in a more favourable position as regards natural cover. This had given very good results.

AFFILIATIONS

Affiliation with the Yorkshire Naturalists' Union and the Yorkshire Naturalists' Trust continued. The Society was represented at meetings of the Y.N. Union and contributed local records.

THANKS

Thanks are accorded to all who helped the Society in its activities during the year, especially:-

to all visiting lecturers and to members who contributed to the Winter Programme; to Col. Bates who once more loaned his lantern to the Society on many occasions; to other Local Natural History Societies for their interest and invitations to meetings and excursions; to those who subscribed and assisted in the construction and working of the Bird Traps, and to the Editor of the Ilkley Gazette for space in the columns of the local papers for reports of meetings of the Society.

WINTER PROGRAMME 1948-49

- Oct. 5. ANNUAL GENERAL MEETING.
- Nov. 2. "MY BIRD PHOTOGRAPHIC SEASON 1948 -
ICELAND AND SOUTH FRANCE" Capt. G.K. Yeates.
- Nov. 16. "REARING LEPIDOPTERA" F. Hewson, F.R.E.S.
- Nov. 30. "BEAUTY AND ADVENTURE IN UNDERGROUND YORKSHIRE" H. W. Rhodes
- Dec. 14. "FORESTRY" A. Pope
- Jan. 4. Recorders' Reports for 1948 and Members' papers.
- Jan. 18. "THE STRUCTURE OF YORKSHIRE". A. Charlesworth
- Feb. 1. Junior Members' Night.
- Feb. 15. "THE EVOLUTION OF A BIRD PHOTOGRAPHER" Lt.-Col. R.S.P. Bates
- Mar. 1. "RECORDS OF INSECT LIFE" A.E. Winter, F.R.E.S.
- Mar. 15. Members' papers.
- Mar. 29. Sectional meetings.

SUMMER PROGRAMME 1949.

- Apr. 12. Tues. FARNLEY LAKE (Ornithological Section)
- May. 17. Tues. BEAMSLEY VILLAGE (Ornithological Section)
- May. 22. SUN. GRASSINGTON (GENERAL) Leader Dr. K.C. Crosbie
- May 24. Tues. Meeting for reports and records 8.0 p.m. Grove Schoolroom.
- May. 31. Tues. RIFFA (Ornithological Section)
- June 4, 5, 6, HARROGATE (Y.N.U. Weekend meeting)
- " 11. Sat. TROLLERS GILL (Ornithological Section)
- " 14. Tues. NESSEFIELD DENE (Botanical Section)
- " 19. SUN. HAREWOOD PARK (GENERAL)
- July. 3. SUN. WASHBURN VALLEY (GENERAL)
- July. 5. Tues. Meeting for Reports and Records 8.0 p.m. Grove Schoolroom.
- July. 9. Sat. KETTLEWELL (Botanical Section Weekend)
10. Sun.

BOTANICAL SECTION

To bring the Botanical Records up to date in the Annual Transactions a complete list of all species of Flowering Plants recorded since the inception of the Wharfedale Naturalists' Society is given here. Species recorded by members of the Society for the first time in 1949 are marked "x".

LIST OF SPECIES RECORDED

RANUNCULACEAE

Thalictrum flavum (Meadow Rue)	Ranunculus acris (Field Buttercup)
Anemone nemorosa (Wood Anemone)	R. repens (Creeping ")
Ranunculus fluitans (Water Crowfoot)	R. bulbosus (Bulbous ")
R. trichophyllus "	Caltha palustris (Marsh Marigold)
R. heterophyllus "	Trollius europaeus (Globe Flower)
R. Leormandi "	Aquilegia vulgaris (Columbine)
R. Flammula (Lesser Spearwort)	Actaea spicata (Baneberry)
R. Ficaria (Lesser Celandine)	Eranthis hyemalis (Winter Aconite)
R. sceleratus (Celery-leaved Crowfoot)	

BERBERIDACEAE

Berberis vulgaris (Common Barberry)

NYMPHAEACEAE

Nuphar luteum (Yellow Waterlily)

PAPAVERACEAE

Papaver Rhoeas (Field Poppy)

FUMARIACEAE

Fumaria officinalis (Fumitory)

Corydalis claviculata (Climbing C.)

CRUCIFERAE

Barbarea vulgaris (Yellow Rocket)	Alliaria officinalis (Garlic Mustard)
Nasturtium officinale (Watercress)	Erysimum cheiranthoides (Treacle Mustard)
N. palustre (Marsh Watercress)	Brassica campestris (Field Cabbage)
Arabis hirsuta (Hairy Rockcress)	Cochlearia officinalis (Scurvygrass)
Cardamine amara (Large bittercress)	Draba muralis (Wall Whitlow Grass)
C. pratensis (Ladies Smock)	D. verna (Common ")
C. hirsuta (Hairy Bittercress)	Capsella bursa-pastoris (Shepherd's purse)

CISTACEAE

Helianthemum Chamaecistus (Rock rose)

VIOLACEAE

- | | |
|--------------------------------|-----------------------------|
| Viola palustris (Marsh violet) | Viola tricolor (Heartsease) |
| V. sylvestris | V. lutea (Mountain Pansy) |
| V. Riviniana | |

POLYGALACEAE

Polygala vulgaris (Milkwort)

CARYOPHYLLACEAE

- | | |
|--|--|
| Lychnis alba (White campion) | Cerastium vulgatum (Mouse-ear chickweed) |
| L. dioica (Red campion) | Stellaria media (Chickweed) |
| L. Flos-cuculi (Ragged robin) | S. uliginosa (Bog stitchwort) |
| L. Githago (Corn cockle) | S. graminea (Lesser stitchwort) |
| Sagina procumbens (Pearlwort) | S. Holostea (Greater stitchwort) |
| S. nodosa (Knotted pearlwort) | Spergularia arvensis (Corn spurrey) |
| Arenaria verna (Vernal sandwort) | |
| A. Serpyllifolia (Thyme-leaved sandwort) | |
| A. Trinervia (Three-nerved S.) | |

PORTULACAEAE

- | | |
|--------------------------------|----------------------------------|
| Claytonia sibirica (Claytonia) | Montia fontana (Water chickweed) |
|--------------------------------|----------------------------------|

HYPERICACEAE

- | | |
|---|--|
| Hypericum perforatum (Perforated St. John's wort) | |
| H. quadrangulum (Square stalked " ") | |
| H. pulchrum (Slender " ") | |
| H. humifusum (Trailing " ") | |

LINACEAE

- | | |
|----------------------------------|-----------------------------------|
| Linum catharticum (Purging flax) | Linum usitatissimum (Common flax) |
|----------------------------------|-----------------------------------|

MALVACEAE

Malva sylvestris (Common mallow)

TILIACEAE

Tilia eurpaea (Common lime)

GERANIACEAE

- | | |
|---|---------------------------------|
| Geranium sanguinum (Blood red cranesbill) | |
| G. sylvaticum (Wood C.) | G. molle (Dove's foot C.) |
| G. pratense (Meadow C.) | G. dissectum (Cut leaved C.) |
| G. Robertianum (Herb Robert) | G. Endressi |
| G. lucidum (Shining C.) | Oxalis Acetosella (Wood sorrel) |

ACERACEAE

Acer Pseudoplatanus (Sycamore)

AQUIFOLIACEAE

Ilex Aquifolium (Common holly)

CELASTRACEAE

Euonymus europaeus (Common spindle)

LEGUMINOSAE

Ulex europaeus (Gorse)	Trifolium repens (White clover)
Genista tinctoria (Dyer's greenweed)	T. campestre (Hop trefoil)
Ononis arvensis (Rest harrow)	T. medium (Meadow clover)
Medicago lupulina (Black medick)	T. arvense (Hare's foot T.)
Trifolium pratense (Red clover)	
Lotus corniculatus (Bird's foot trefoil)	Lathyrus montanus (Tuberous pea)
Vicia cracca (Tufted vetch)	L. pratensis (Meadow vetch)
V. sepium (Bush vetch)	
V. sativa (Common vetch)	

ROSACEAE

Prunus spinosa (Blackthorn)	Potentilla erecta (Tormentil)
P. Cerasus (Wild cherry)	P. nserina (Silverweed)
P. padus (Bird cherry)	P. reptans (Cinquefoil)
Spiraea Ulmaria (Meadow sweet)	Alchemilla vulgaris (Lady's mantle)
Geum urbanum (Wood avens)	Sanguisorba officinalis (Great Burnet)
G. intermedium	Poterium Sanguisorba (Salad Burnet)
G. rivale (Water avens)	Agrimonia Eupatoria (Agrimony)
Rubus fruticosus (Bramble)	Rosa canina (Dog rose)
R. saxatilis (Stone bramble)	Pyrus aucuparia (Mountain ash)
R. Chamaemorus (Cloudberry)	P. malus (Crab apple)
Fragaria vesca (strawberry)	Crataegus Oxycantha (Hawthorn)
Potentilla sterilis (Barren Strawberry)	

ONAGRACEAE

Epilobium angustifolium (Rose bay)	Epilobium roseum (Pale willowherb)
E. parviflorum (Hoary willowherb)	E. pedunculare
E. montanum (Broad leaved ")	Circaea lutetiana (Enchanter's nightshade)

CUCURBITACEAE

Bryonia dioica (Bryony)

CRASSULACEAE

Sedum Telephium (Orpine)	Sedum acre (Wall pepper, stonecrop)
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SAXIFRAGACEAE

Saxifraga tridactylites (Rue leaved saxifrage)	
S. hypnoides (Cut leaved ")	
S. granulata (Meadow ")	

SAXIFRAGACEAE. Contd.

Chrysosplenium oppositifolium (Golden saxifrage)
C. alternifolium (Alternate-leaved Golden Saxifrage)
Parnassia palustris (Grass of Parnassus)

DROSERACEAE

Drosera rotundifolia (Sundew)

UMBELLIFERAE

Hydrocotyle vulgaris (Marsh Pennywort) Myrrhis Odorata (Sweet Cicely)
Sanicula Europaea (Sanicle) Conopodium denudatum (Earth nut)
Astrantia major Chaerophyllum temulum (Rough chervil)
Pimpinella saxifraga (Burnet saxifrage) C. sylvestre (Wild chervil)
Oenanthe crocata (Hemlock water dropwort) Caucalis anthriscus (Hedge parsley)
Angelica sylvestris (Angelica)
Heracleum sphondylium (Cow parsnip)

ARALIACEAE

Hedera Helix (Ivy)

CAPRIFOLIACEAE

Adoxa Moschatellina (Moschatel) Viburnum opulus (Guelder Rose)
Sambucus nigra (Elder) Lonicera Periclymenum (Honeysuckle)
V.

RUBIACEAE

Galium Cruciata (Crosswort) Galium saxatile (Heath bedstraw)
G. vernum (Ladies bedstraw) Galium boreale (Northern bedstraw)
G. palustre (Marsh bedstraw) Galium Aparine (Goose grass)
G. uliginosum (Swamp bedstraw) Asperula odorata (Woodruff)

VALERIANACEAE

Valeriana dioica (Marsh valerian) Valeriana officinalis (Common valerian)

DIPSACEAE

Scabiosa succisa (Devil's bit) Scabiosa arvensis (Field scabious)

COMPOSITAE

Erigeron acris (Fleabane) Inula Helenium (Elecampane)
Solidago Virgaurea (Golden rod) Chrysanthemum Leucanthemum (Ox-eye daisy)
Bellis perennis (Daisy) C. Parthenium (Feverfew)

COMPOSITAE Contd.

Matricaria Chamomilla (Chamomile)	Tragopogon pratensis (Goat's beard)
Achillea Ptarmica (Sneezewort)	Leodonton Lipsidus (Hawkbit)
A. millefolium (Yarrow)	Hypochaeris radicata (Cat's ear)
Tanacetum vulgare (Tansy)	Lactuca muralis (Wall lettuce)
Tussilago Farfara (Colt'sfoot)	L. plumeria (Blue sow thistle)
T. Petasites (Butterbur)	Sonchus oleraceus (Common thistle)
Senecio vulgaris (Groundsel)	Taraxacum officinalis (Dandelion)
S. jacobea (Ragwort)	Hieracium Pilosella (mouse ear hawkweed)
Doronicum Pardalianches (Leopard's bane)	H. Sabaudum (Northern hawkweed)
Aretium Lappa (Burdock)	Chicorium Intybus (Chicory)
Serratula tinctoria (Sawwort)	Lapsana communis (Nipplewort)
Carduus palustris (Marsh thistle)	
C. lanceolatus (Spear thistle)	
Centaurea nigra (Knapweed)	
C. scabiosa (Greater knapweed)	

CAMPANULACEAE

Campanula rotundiflora (Harebell)	Erica Tetralix (Cross-leaved heath)
C. latifolia (giant campanula)	Calluna vulgaris (Ling)

ERICACEAE

Vaccinium Myrtillus (Bilberry)	Erica Tetralix (Cross-leaved heath)
V. Vitis-idaea (Cowberry)	Calluna vulgaris (Ling)
V. Oxycoccus (Cranberry)	

PRIMULACEAE

Primula vulgaris (Primrose)	Anagallis arvensis (Scarlet pimpernel)
Primula veris (Cowslip)	A. tenella (Bog pimpernel)
Primula farinosa (Bird's-eye Primrose)	
Lysimachia vulgaris (Yellow loosestrife)	
L. nemorum (Yellow pimpernel)	

LENTIBULARIACEAE

Pinguicula vulgaris (Butterwort)

OLEACEAE

Fraxinus excelsior (Ash)
Ligustrum vulgare (Privet)

CHENPODIACEAE

Chenopodium album (White goosefoot) Atriplex patula (Common orache)

POLYGONACEAE

Rumex Acetosella (Sheep sorrell) Polygonum Bistorta (Snakeweed)
Polygonum aviculare (Knotgrass) P. amphibium (Amphibious bistort)
P. Convolvulus (Black bindweed)

EUPHORBIACEAE

Euphorbia Helioscopia (Sun spurge)
Mercurialis perennis (Dog's mercury)

EMPETRACEAE

Empetrum nigrum (Crowberry)

CALLITRICHACEAE

Callitriche aquatica (Water starwort) Callitriche stagnalis

URTICACEAE

Urtica dioica (Stinging nettle) Parietaria officinalis (Pellitory)

ULMACEAE

Ulmus glabra (Wych elm)

AMENIACEAE

Alnus glutinosa (Alder) Quercus Robur (Oak)
Betula alba (Common birch) Salix pentandra (Bay willow)
Carpinus Betulus (Hornbeam) S. alba (White willow)
Corylus Avellana (Hazel) S. Caprea (Sallow, Goat willow)
Fagus sylvatica (Beech) Populus alba (White poplar)
P. nigra (Black poplar)

MONOCOTYLEDONS

TYPHACEAE

Sparganium erectum (Branched bur-reed)
S. simplex (Unbranched bur-reed)

ARACEAE

Arum maculatum (Wild Arum)

LEMNACEAE

Lemna minor (Lesser duckweed)

Botanical Section. PHENOLOGICAL REPORT 1949.

SPRING FLOWERS - EARLIEST DATES

<i>Eranthis hyemalis</i> (Winter aconite)	Burley Jan. 5.
<i>Corylus Avellana</i> (Female) (Hazel)	Ilkley Jan. 23.
<i>Tussilago farfara</i> (Coltsfoot)	Burley Jan. 24.
<i>Rotentilla sterilis</i>	Burley Jan. 24.
<i>Ranunculus ficaria</i>	Burley Jan. 30.
<i>Anemone nemorosa</i>	Denton Mar. 18.
<i>Primula vulgaris</i>	Denton Mar. 23.

LEAFING OF TREES

Elder Jan. 24 (first leaf) Horsechestnut Mar. 20. (buds open) April 3 (full leaf)
Sycamore Mar. 30. (buds open) May 1. (full leaf) Beech May 4. (full leaf)
Oak May 10. (full leaf) Ash May 25. (full leaf).

FRUITS

Exceptionally good crops, blackberries, rose hips, horsechestnut, ash keys.

RECORDER MISS E. M. BROWN.

VERTEBRATE SECTION

RECORDS OF MAMMALS, REPTILES AND AMPHIBIANS

GREY SQUIRREL.	Denton Wood. Jan. 30.	W.F.Fearnley
	Jan. 30. Panorama Wood.	R.F.Graham.
RED SQUIRREL	Sept. 14. Near Grassington.	C.M.Duncan.
BADGER	Mar. 23. Freshly worked earth Farnley Lake	K.C.Crosbie.
WEASEL	Jan. 30. Near Bird Ringing Trap.	I. Gordon.
STOAT (White)	Mar. Otley Golf Course	W.F.Fearnley.
FROG.	Feb. 24. Spawn at Denton.	

RECORDER H. MARJORAM.

ENTOMOLOGICAL SECTION.

Fifteen different species of butterflies have been reported this year. The Peacock was not recorded but the Brimstone was noted for the first time. In spite of a very hot, dry summer and autumn there was no noticeable increase in the number of butterflies with the exception of Red Admirals which were very numerous late in the season; the Painted Lady was also more in evidence than usual. Only twelve species of Moths were identified and recorded; there is obvious scope for study and observation in this field.

- Red Admiral (*Vanessa atalanta*) was first seen on March 24th at Burley Woodhead by Mr.W.Flesher and last seen on October 30th on Ilkley Moor by Mr.G.R.Frost.
- Brimstone (*Gonepteryx rhamni*) was seen in Fairy Dell on June 13th. by Mr.Frost and others.
- Fritillary, dark green (*Argynnis aglaia*) was reported by Dr.Crosbie at Ben Rhydding on July 24th.
- Green Hairstreaks (*Callophrys rubi*) were seen near Bolton Abbey by Rev.C.F. Tomlinson in April.
- Wall (*Pararge megera*) was reported by Mr.W.Fearnley from Lindley on August 10th.
- Painted Lady (*Vanessa cardui*) was recorded in June (G.R.Frost), August (Col.Bates and W.Fearnley) and September (G.R.F.)

A Humming Bird Hawk Moth was seen in Ilkley by D.Walker on April 14th., two large Emerald Moths were brought to the recorder in July, and a Horntail or Wood Wasp was brought from Otley by Mr. Fearnley in the same month.

Species recorded:

Butterflies.

Moths.

- Blue, common
- Brimstone
- Brown, meadow
- Copper, small
- Fritillary, dark green
- Hairstreak, green
- Heath, small
- Orange-tip
- Painted Lady
- Red Admiral
- Tortoiseshell, small
- White, large
- White, small
- White, green-veined

- Burnet, 5 spot
- Convolvulus Hawk
- Elephant Hawk
- Eggar, northern
- Emerald, large
- Fox
- Ghost
- Gold Spot
- Humming Bird Hawk
- Sweep
- White Plume
- 12 Yellow Underwing

15 Wall

Other Insects.

- Cockchafer
- Horntail
- Sexton Beetle.

G.R.FROST.
Recorder.

W.N.S.

ORNITHOLOGICAL SECTION

The number of species noted this year totals 116, most of them having been seen within a short distance of the Society's headquarters. Perhaps the most exciting records have been those concerning a Great Grey Shrike at Farnley, the Waxwing at Burley, the extraordinarily early date for Fieldfares at Riffa, a Lesser Spotted Woodpecker at Lindley, the many hundreds of Geese over Ilkley in one day, the Shelduck on Lanshaw and Lindley Reservoirs and the Pintail on Swinsty Reservoir, Green Sandpiper at Ben Rhydding and Oystercatcher at Kettlewell, Water Rail at Burley and Farnley, and, in these days, the Corncrake at Carr Bottom. Absentees from our Records this year have been Nuthatch, Hen Harrier, Greenshank and the Terns.

The various outings of the Society and the Section have as usual served to swell the number of species recorded, as on these occasions the common species as well as the more striking records are all noted down.

Twenty-four birds were ringed in the original trap at Ben Rhydding during the year, which may not seem a great number for all the energy expended, but much groundwork has been done and the experience gained has enabled us to construct a second trap in which almost twice that number have been taken in a week. Also the original trap will be more successful as time goes on and our bushes grow larger and thicker. Species ringed in 1949 were Robin, Great Tit, Dunnock, Reed Bunting, Marsh Tit, Great Tit, Longtailed Tit, Wren, Willow Warbler and Song Thrush. One Robin's ring was recovered six weeks later when the bird was killed by a cat at Five Oaks, Ben Rhydding, and a Wren ringed on May 22nd was again caught on January 8th 1950. The immediate vicinity of the traps is very good ground for bird-watching, being attractive to many types of birds. There have been the same willing helpers at the trap as last year and our thanks are due to their efforts and especially to Colonel Bates, who has been designer and engineer-in-chief in the erection of these traps and who has had his greenhouse cluttered up with our impedimenta for so long. We must also thank the Ilkley U.D. Council, land-owners and tenants for permitting us to operate on their ground, entirely free of charge, and also Messrs. Car-a-Cars Ltd., for so kindly allowing us to keep our tackle under lock and key in one of their buildings.

The following notes of the various species are extracted from the Section's Record Book. The initials refer to the members responsible for the reports, and a key to the initials is appended.

CARRION CROW - Seen on Grassington Outing (D.I.T.W.). Feeding young at Riffa on April 6th (H.M.). A pair molesting Grouse on Denton Moor on May 16th (R.S.P.B.) Also noted at Denton, Norwood, Chelker and Farnley on various dates (W.F.F.)

MAGPIE - Repairing nest on February 15th (H.J.W.) About 7 near river at Ilkley on January 6th (M.M.) Eight, seemingly in pairs, near W.N.S. Trap on February 20th (W.F.F.)

JAY - Reports from Farnley, April 12th (W.F.F.), 2 near Walking Stick Wood, Denton, May 20th (R.S.P.B.) and 5 or 6 at Askwith on February 6th (D.I.T.W.)

HAWFINCH - 2 at Brownholme, Burley on January 3rd (W.F.F.), 1 at Ben Rhydding on April 26th (K.C.C.) and 1 there on 28th (R.S.P.B.) and 2 near Crescent House, Ilkley on January 30th (D.I.T.W.)

GREENFINCH - Singing on March 22nd (A.C.M.D.) Very large flock with Chaffinches near Denton Hall on March 28th (J.P.B.) About 30 near W.N.S. Trap on March 20th (W.F.F.)

GOLDFINCH - A pair at Ben Rhydding on April 24th (K.C.C.) Seen in Victoria Drive, Ilkley on May 13th (G.R.F.) A dead bird brought to W.N.S. Meeting on November 14th by Miss Saunders.

SISKIN - About 20 with Lesser Redpolls on January 1st and about 6 on 2nd near Ilkley Tennis Courts (K.C.C.) A flock near Ilkley Golf Club on February 18th (H.J.W.) About 20 in Grove Road on March 11th (R.F.G.) At least 3 near W.N.S. Trap on January 9th and a flock there on 16th and 23rd (W.F.F.) J.A. Forder saw one taken by a Merlin at Lindley in January. About 20 near Ilkley Swimming Pool on March 29th (R.F.G.) About 50 between Burley and Menston on December 31st (J.P.B.)

MEALY REDPOLL - One with a flock of Lesser Redpolls near mouth of Crook Beck, Denton on February 2nd (K.C.C. and W.F.F.)

LESSER REDPOLL - A flock near Ilkley Tennis Courts on January 1st and 2nd (K.C.C.) 8 or 10 in Grove Road on March 7th and two pairs on March 13th (R.F.G.) Flock of about 25 in alders at mouth of Crook Beck on February 2nd (K.C.C.) About 20 near W.N.S. Trap on February 2nd and about 30 there on February 20th and 20 on March 13th (W.F.F.)

TWITE - One near Keighley Gate Road on May 7th (D.I.T.W.)

LINNET - 6 at Farnley Lake on April 2nd (W.F.F.) Returned to garden at Huby on March 28th. Five pairs nested in that garden (H.E.S.)

BULLFINCH - Family of young moving about near Farnley Lake on July 2nd (H.E.A.) A pair on railwayside bushes near W.N.S. Trap on February 9th and one near there on January 16th. A pair just below Hebers Ghyll Wood on March 20th (W.F.F.)

BRAMBLING - One seen by Mrs. Marjoram at Riffa (H.M.)

YELLOWHAMMER - Full song near Panorama Woods on February 28th (H.J.W.) Two at Askwith Filter Beds and about 12 near Beckfoot Farm on February 13th (W.F.F.)

REED HUNTING - Three at Ilkley Filter Beds on March 8th (R. F. G.) 4 at W.N.S. Trap on February 6th (one ringed) and another ringed on February 2nd. Usually seen on riverside near the Trap in Spring and Summer (W. F. F.) Numerous on marshland near Weeton in April (H. E. S.) Nest with 5 eggs at Leathley on May 1st (H. E. A.)

TREE SPARROW - A pair near West Hall Farm on March 22nd (Miss Gordon). Two near Denton Hall on March 28th (J. P. B.)

SKYLARK - Up to 20 together in field adjoining river near W.N.S. Trap on February 20th (R. S. P. B.) 42 at Riffa on March 5th (H. M.) About 12 on Ilkley Filter Beds on March 8th (R. F. G.)

TREE PIPIT - At Ilkley Filter Beds on April 12th (K. C. C.)

YELLOW WAGTAIL - Bolton Abbey and Barden on April 15th (D. I. T. W.) At Riffa on April 12th (H. M.)

GREY WAGTAIL - Two at Beanland's Island on February 21st (R. F. G.) At Burley on March 24th (W. F. L.) A pair near Ilkley Old Bridge on March 20th. (A. C. M. D.) Two near Addingham Bridge on March 22nd (Miss Gordon).

PIED WAGTAIL - Returned to garden at Huby on April 2nd. (H. E. S.)

TREE CREEPER - One in Wells Road on January 25th (E. M. B.) Two in Panorama Woods on March 17th (R. S. P. B.) One or two near W.N.S. Trap on 16th and 23rd January and 9th February and 13th March (W. F. F.) Near Ghyll Royd on May 4th (G. R. F.)

COLE TIT - In Oakburn Road on January 7th on fat put out for birds in garden (H. J. W.) 2 at Burley on January 18th (A. E. P.) One near W.N.S. Trap on January 30th (A. C. M. D.) In West Park Woods on February 13th (R. S. P. B.) Panorama Woods on March 20th. Two building in Hebers Ghyll on May 12th (G. R. F.) Two near Ilkley Grammar School on March 5th. (D. I. T. W.)

MARSH TIT - A pair in Middleton Woods on February 27th (K. C. C.) and a pair at Nessfield on the same date (Miss Gordon). A pair seen near W.N.S. Trap on various dates from February 2nd to March 13th were both caught and ringed (R. S. P. B., H. J. W., W. F. F.)

LONGTAILED TIT - Certainly more this year than last year (R. S. P. B.) Six near Otley Filter Beds on January 9th (H. E. A.) 10 near Ben Rhydding Bridge on February 14th and a pair there on 15th. Two ringed in W.N.S. Trap on March 9th (H. J. W.) At least two with other Tits in Panorama Woods on January 23rd. Two near W.N.S. Trap on March 13th (W. F. F.) Six on riverside bushes opposite Manor Park on February 2nd (K. C. C.) and some near W.N.S. Trap on February 3rd. (R. S. P. B.)

GREAT GREY SHRIKE - on April 6th J.A. Forder saw one in Mick Ghyll, Farnley and H.J.W. and W.F.F. saw it there the same afternoon. It did not allow nearer approach than about 75 yards. *MS*

WAXWING - One in Mr. Huddleston's garden at Burley on December 22nd. (V.H.) *BC*

SPOTTED FLYCATCHER - Building in box at Ghyll Royd on May 21st (G.R.F.) *BC*
Nest in lamp at Ilkley Grammar School (E.M.B.)

PIED FLYCATCHER - One in Bolton Abbey Woods on May 31st (H.J.W.) Pair at Lindley on April 14th. Nest with 5 feathered chicks, only four feet from ground at Lindley on June 18th (H.E.A.) *BC/MSG*

GOLDCREST - Singing in an Ilkley garden on January 29th (A.C.M.D.) One at Denton on January 29th (R.S.P.B.) One between Burley and Askwith on February 2nd (W.F.F.) One at Lindley Bridge on October 31st (J.P.B.) Two at Ben Rhydding on November 11th (R.S.P.B.) One in Valley of Desolation on March 20th (D.I.T.W.) *BC/MSG*

CHIFF-CHAFF - One singing near Ilkley Golf House on May 15th (A.C.M.D.) In Owler Wood on April 26th (D.I.T.W.) *AG*

WILLOW WARBLER - 2 silent birds at Farnley Lake on April 6th (H.J.W., W.F.F.) at Denton on April 12th (A.E.P.) At Huby on April 8th (H.M.) *BC/MSG*

WOOD WARBLER - Panorama Woods on April 20th (H.J.W.) *AEG*

SEDGE WARBLER - One at Hubberholme Bridge on September 11th (W.F.F.) *CI*

COMMON WHITETHROAT - Singing in Owler Wood on April 26th (D.I.T.W.) *MSG*

LESSER WHITETHROAT - Nest and eggs in Middleton Woods on May 23rd (G.R.F.) *MSG*

FIELDFARE - 300/400 in Walking Stick Wood on January 24th (R.S.P.B.) About 300 near Otley on January 9th (H.E.A.) 24 at Riffa on September 3rd., increasing numbers up to the 9th (H.M.) *BC*

REDWING - At Otley on October 4th. (W.F.F.) *BC*

RING OUSEL - In Trollers Ghyll on April 15th (D.I.T.W.) *MSG*

WHEATEAR - In Trollers Ghyll on April 15th (D.I.T.W.) Near Bolton Abbey Station on April 8th (R.F.G.) About 20 between Barden and Oughtershaw, both sexes, on April 15th (K.C.C.) *MSG*

WHINCHAT - At Dunkirk on April 24th (A.C.M.D.) *MSG*

STONECHAT - One at Marsh Ghyll on April 1st (R.F.G.) *MSG*

REDSTART - Two cocks fighting at Nessfield on September 17th (A.C.M.D.)

ROBIN - One which was ringed in W.N.S. Trap on March 20th was killed by a cat at Five Oaks, about a quarter of a mile away, on May 4th.

DIPPER - 5 eggs in nest at Burley on March 19th, and 5 eggs in nest near Ilkley Filter Beds on 20th. (A.E.P.)

SWALLOW - 2 at Farnley Lake on April 6th (W.F.F.) At Riffa on April 7th (H.M.) One at Denton on April 7th (A.E.P.)

HOUSE MARTIN - At Ilkley Filter Beds on April 21st. (R.F.G.)

SAND MARTIN - At Denton on April 12th (A.E.P.) and Riffa on April 7th (H.M.)

SWIFT - One over Middleton on April 17th. (A.C.M.D.)

KINGFISHER - Nest near Askwith on May 18th (G.R.F.)

GREAT SPOTTED WOODPECKER - New hole in Hebers Ghyll, April 23rd. (G.R.F.)

LESSER SPOTTED WOODPECKER - One seen near Lindley Bridge on several occasions by J.A.Forder.

CUCKOO - At Denton on April 24th. Young bird being fed by Pipit on Simon's Seat on August 15th. (D.I.T.W.)

LITTLE OWL - Near Farnley Lake on March 24th and July 2nd. (H.E.A.) In Denton Park on June 15th (R.F.G.)

SHORTEARED OWL - On Hawksworth Moor on May 5th (J.P.B.)

TAWNY OWL - Three eggs found by D.I.T.W. were blotched, not stained, with fawn colour. Adults seen trying to catch Starlings going to feed their young. Young Tawny Owls flew from nest on June 10th. (D.I.T.W.)

BARN OWL. - One at Riffa on January 4th and March 5th. (H.M.)

MERLIN - One seen to take a Siskin at Lindley on a day in January by J.A.Forder.

SPARROW HAWK. - Four shot in Lindley area early this year. Birds have been seen at Ben Rhydding, near W.N.S. Trap, on several occasions (W.F.F.), Norwood-Swinsty (K.C.C.), Ilkley (R.F.G.) and Denton (J.P.B.)

HERON - Eleven nests occupied at Harewood on April 29th (H.J.W.). Seven birds on big pasture at Denton on December 26th. (W.F.F.)

WHOOPEER SWAN - Two on Chelker on January 1st. (H.J.W.) and 2nd. (W.F.F.) Three at Fewston on December 28th and 27th. (J.P.B.)

MUTE SWAN - The pair on Farnley Lake reared one cygnet this year. (W.F.F.)

GOOSE (? sp.) - 300/500 flying N.W. over Ilkley on January 9th. at 3.30 p.m. (A.C.M.D.)

CANADA GOOSE - A pair hatched five young at Swinsty, where they were seen on June 4th. (H.J.W.) and July 3rd. (R.S.P.B.) Four visited Denton Lake on April 28th. (W.Fl.)

SHIELD-DUCK - One on Denton Lake on January 17th. (F.B.) A pair on Marsh Ghyll on April 9th. (J.P.B.) One on Lanshaw Reservoir on April 13th. (D.I.T.W.)

MAILLARD - Over 100 on Fewston Reservoir on January 23rd. (J.P.B.) 44 on Lindley, about 150 on Swinsty, and none on Fewston on February 23rd. (K.C.C., W.F.F.) Good number of ducks and ducklings on Farnley Lake on July 2nd. (H.E.A.)

TEAL - Some on Fewston Reservoir on January 23rd. (J.P.B.) About 30 on Denton Lake on February 2nd. and 13th. 12 on Lindley and some on Swinsty on February 23rd. (W.F.F.) Nest with 9 eggs in long grass in field near W.N.S. Trap on July 2nd. The duck mobbed by Magpies on July 4th. 7 ducklings on July 5th. (R.S.P.B.) 6 on Lower Lanshaw Reservoir on March 28th. (J.P.B.)

WIGEON - About 50 on Fewston Reservoir on February 21st. (J.P.B.)

PINTAIL - One on Fewston on January 23rd. (J.P.B.)

SHOVELLER - One drake and two ducks on Fewston Reservoir on January 23rd. (J.P.B.) A drake on Farnley Lake on April 12th. (W.F.F.) Six on Lindley Reservoir on October 31st. (J.P.B.)

POCHARD - 20/30 on Fewston Reservoir on January 23rd. (J.P.B.) 2 drakes on Lindley Reservoir on February 23rd. (K.C.C.)

TUFTED DUCK - One on river at Mickle Ing on January 18th. (A.E.P.) One drake on Lindley on February 23rd. and a pair on Farnley Lake on April 12th. (W.F.F.)

GOLDENEYE - A duck on the river at Mickle Ing on January 8th. (J.P.B.) One at Chelker Reservoir on January 2nd. (W.F.F.) 5 on Lindley Reservoir on February 23rd. (K.C.C.)

GOOSANDER - Three red-headed birds on Farnley Lake on April 12th. on the occasion of the W.N.S. Outing (W.F.F.) Five on Lindley Reservoir on October 31st. (J.P.B.)

GREAT CRESTED GREBE - One on Fewston, one on Lindley on February 28th. (J.P.B.) One on Lindley, two on Swinsty on February 23rd. (K.C.C.) Three pairs on Swinsty on July 3rd. (R.S.P.B.) Two pairs and one bird on Swinsty on June 23rd. and one bird on Lindley. A nest which had been seen on June 4th was dry on June 23rd. on Swinsty, but another nest was seen to have been constructed close by and the bird was sitting. Also a pair on Fewston on June 23rd. (H.J.W.) A pair on Farnley Lake on July 2nd. but no chicks (H.E.A.)

LITTLE GREBE - Two at Esscroft on March 9th. (A.E.P.) and on February 7th. (R.S.P.B.) Two on the river at Pool on February 28th. (J.P.B.) One at Mickle Ing on January 4th. and two there on February 23rd. (W.F.F.) Two fighting on Swinsty Reservoir on July 3rd. (R.S.P.B.)

STOCKDOVE - One shot at Denton on March 18th. (K.C.C.) Nest with two young and one egg at Huby on April 23rd. (H.C.S.) Two at Lindley on February 21st. (J.P.B.)

CURLEW - Eight in Denton Park and one or two over Askwith on March 16th. (R.F.G.) Nest and four eggs in burnt heather on May 14th. at Denton (R.S.P.B.) Three nests each with four eggs at Stainburn on May 14th. (H.E.A.)

WOODCOCK - Three eggs in nest in Denton Lodge Wood on April 13th. (A.E.P.)

DUNLIN - Three on riverside near W.N.S. Trap on May 1st (W.F.F.) and 4th and on Ben Rhydding Filter Beds on 10th. (R.S.P.B.)

COMMON SANDPIPER - At Bolton Abbey on April 27th. (R.F.G.)

GREEN SANDPIPER - One at Ben Rhydding Filter Beds and on riverside near W.N.S. Trap from April 24th. to May 1st. (H.J.W., W.F.F.)

COMMON REDSHANK - One at Esscroft on February 20th (R.S.P.B.) Main arrivals from March 18th. (A.E.P.)

GOLDEN PLOVER - Flock at Nessfield on March 2nd. (Miss Gordon.) 25 flying over big pasture at Denton on February 20th. (W.F.F.) Flock of about 1,000 at Riffa on March 24th. (H.M.) Two at Lanshaw on April 13th. (D.I.T.W.)

NORTHERN GOLDEN PLOVER - A pack of about 50, very black-breasted, seen on May 14th, appeared mainly of this race. (R.S.P.B.)

LAPWING - Three flocks, also two pairs, in fields between Askwith and Burley on February 19th. (R.S.P.B.) Nest with three eggs at Riffa on April 7th. (H.M.)

OYSTERCATCHER - Two between Kettlewell and Coniston on April 23rd. (D.I.T.W.)

CORNCRAKE - One near Carr Bottom, Burley, on April 26th. (W.Fl.)

WATER RAIL - One at Wharfeside, Burley, on January 1st. (W.Fl.) One seen at Farnley Lake by J.A. Forder on March 10th.

COOT - One on Chelker on January 30th. (J.P.B.) and 28th. (R.F.G.) Numbers again increasing at Farnley Lake (W.F.F.)

KEY TO INITIALS

H.E.A. - H.E. Adamson: E.M.B. - Miss E.M. Brown: F.B. - F. Ball: J.P.B. - J.P. Busby: R.S.P.B. - Col. R.S.P. Bates: K.C.C. - Dr. K.C. Crosbie: A.C.M.D. - A.C.M. Duncan: G.R.F. - G.R. Frost: W.F.F. - W.F. Fearnley: W.Fl. - W. Flesher: Miss Gordon: R.F.G. - R.F. Graham: V.H. - V. Huddleston: H.M. - H. Marjoram: M.M. - Miss M. Mackenzie: A.E.P. - A.E. Pullan: H.E.S. - H.E. Stembridge: Miss Saunders: D.I.T.W. - D.I.T. Walker: H.J.W. - H.J. Williamson.

W. F. Fearnley (Recorder)