

THE PSYLLIDÆ OF THE CLEVELANDS.

J. W. H. HARRISON, B.Sc.

THE following list of the Psyllids of a limited section of the Cleveland area is neither exhaustive nor final, for it compares badly with that for Durham, in which county an equally limited area has been worked. It is hoped, however, that many of the missing species will turn up when districts further afield are worked; there is little prospect of their discovery in the Middlesbrough neighbourhood, as they are chiefly feeders on low plants of which there is but little variety here and, what is more important, those that are present refuse, after persistent working, to yield anything further than the ubiquitous *Trioza urticae*.

Livia juncorum Latr. A rush feeder distorting rushes in most localities, but curiously local everywhere, sometimes occurring on a single patch of rushes in one field, and apparently absent from what seems an equally suitable bed in the next; also locally plentiful on the moors.

L. crefeldensis Mink. Rare on sedges around an old established pond near Stainton.

Rhinocola ericae Curt. A tiny species not 2 m.m. in length, formerly supposed to be rare but recently proved to be abundant throughout Durham, Northumberland and North Yorkshire, on heather, *Calluna vulgaris*; is especially numerous on Great Ayton Moor where it is dimorphic.

Aphalara calthae Lin. Fairly common on larch and spruce in November, although its food is knotgrass. Marton, etc.

Psyllopsis fraxinicola Först. Everywhere common on ash.

P. fraxini Linn. Almost as common as the last and equally widespread—also on ash.

Psylla pyricola Först. A single specimen beaten from mountain ash, Lonsdale.

P. salicicola Först. Not common, on willow, Hemlington, Nunthorpe.

P. ambigua Först. Very common on willow in May and June, Nunthorpe, Marton, etc.

P. hartigii Flor. A few beaten from birch in June, Great Ayton.

P. pineti Flor. Common, beaten from conifers at Eston, Guntergate and in Lonsdale.

P. melanoneura Först. Common late in the year—not on its reputed food-plant hawthorn—but on oak, conifers, etc. Generally distributed.

P. costalis Flor. Common, obtained from blackthorn, hawthorn, mountain ash, oak, etc., throughout the district.

P. peregrina Först. In multitudes from every hawthorn.

Psylla mali Schm. Not uncommon from crabapple, Gun-
nergate, Middlesbrough, Marton.

P. alni Linn. Common on alder, Lonsdale, Great Ayton,
Eston; is green in summer but red and black in the autumn
brood.

P. försteri Flor. With *P. alni* but much rarer—exactly
the opposite to what holds in North Durham. In Mid-Durham
the two are equally abundant. Both feed on alder, causing
the unsightly cottony secretion which is such a nuisance when
one is beating that tree; occasionally both favour birch.

P. buxi Linn. Common on box in July; in millions on
the boxes in Middlesbrough Park.

P. spartii Guér. Sparingly on broom in Lonsdale.

Arytaena genistae Lat. Plentiful on broom in Lonsdale.

Trioza urticae Linn. Abundant on all low plants in Septem-
ber and October, but beaten quite freely from elm, blackthorn,
etc.

T. albiventris Först. Sparingly in October and November
from sallow and silver fir. Nunthorpe.

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Mr. R. Standen has been elected President of the Conchological Society
Great Britain.

Mr. E. Heron-Allen has kindly sent us a copy of the late Prof. E. A.
Minchin's address to the Zoological Section of the British Association.

We have received the *Annual Reports of the Huddersfield Naturalists,
and Photographic Society for 1914-15* (8 pages, 8vo), which includes notes
on the year's work by H. C. Ellis, C. Mosley, J. H. Carter, E. Fisher and
T. W. Woodhead.

The Proceedings of the Geologists' Association, volume XXVI., part
4, contains the presidential address of Mr. G. W. Young, F.G.S., entitled:
'The Geological History of Flying Vertebrates.' It is an exceptionally
interesting contribution, and, *inter alia*, refers to a specimen from Whitby.

In Vol. XVII., No. 81 of *The Mineralogical Magazine*, which was issued
in September, we notice a paper on 'The Garnet and streaky rocks of the
English Lake District' by Mr. J. F. N. Green. Mr. Green concludes that
the garnets, pyrites, and streaky alteration have been formed by circulating
solutions under high hydrostatic pressure, probably during the solfataric
stage of the Borrowdale volcanic episode.

The *Chester Society of Natural Science, Literature and Art* has issued its
Forty-fourth Annual Report and Proceedings, which contain an account
of the society's work during the year, as well as particulars of the additions
to the society's library and museum. There are also the usual lists
of members, balance sheet, rules, etc. With the report has been issued,
separately, a lecture on 'Poems by Charles Kingsley,' by the Rev. Alex-
ander Nairne, D.D.

'Over the whole basin of the Atlantic there is spread an enormously
thick covering of what seems to be mud, but is really a mixture of tiniest
shells, either perfect or in pieces, that need the microscope to be seen.
This is called Globigerina Ooze—just as if it were a girl.'—*Cumberland
Evening Mail*. To this *Punch* adds: 'We ourselves should never think
of giving a girl a name like that.' We quite agree with *Punch*. Besides
ooze Globigerina?

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Contents :—

	PAGE
Notes and Comments (illustrated):—Watsonian Vice-Counties; Sheffield Archaeologists; Liverpool Geologists; Apes to Modern Man; Fossil Reptilia; Flint 'Bones'; Another View; A Reply; Former Leeds Professor honoured; A Skeleton of <i>Elephas antiquus</i> ...	373-378
A Yorkshire Dene Hole (Illustrated)—T. Sheppard, M.Sc., F.G.S. ...	379-381
Notes on the Flora of Eskdale and Wasdale—Joseph Fry Pickard ...	382-384
The Guests of Yorkshire Ants (Illustrated)—T. Stainforth, B.A., B.Sc. ...	385-397
Acari from Birds' Nests, with description of a New Species (Illust.)—Rev. J. E. Hull ...	398-399
The Psyllidæ of the Cleveland—J. W. H. Harrison, B.Sc. ...	400-401
Notes on Some Yorkshire Coleoptera—T. Stainforth, B.A., B.Sc. ...	402-404
Field Notes :—Hen Harrier and Stonechats at Hebden Bridge; Black Game near Selby; Black Game in Wharfedale; <i>Megabus insignis</i> Meade, a Harvestman new to the East Riding; <i>Pistillaria furcata</i> Sm. in Yorkshire ...	405-406
Proceedings of Provincial Scientific Societies ...	399
Reviews and Book Notices ...	397, 404
Northern News ...	381, 401, 406
Illustrations ...	373, 374, 375, 380, 387, 388, 399
Title-page, List of Contributors, and Index to this Volume.	

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