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**The Further Decline of Black Grouse in the Peak District
1975–1985 — D. W. Yalden**

**The Insect Fauna of Common Rock-Rose *Helianthemum
chamaecistus* Mill. around Stamford, Lincolnshire —
B. N. K. Davis**

**A New Species of *Poecilochirus* (Acari: Parasitidae) from
Yorkshire — Keith H. Hyatt**

**Entomological Reports for 1973–1983 Coleoptera: Part 2,
Halipilidae — Scolytidae — J. H. Flint**



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RECORDER'S REPORT ON THE ACULEATE HYMENOPTERA IN YORKSHIRE

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The last report on Yorkshire Hymenoptera covered the period 1975–78 (*Naturalist* 105: 54–55). Since that time the Hymenoptera have been divided into three groups, each with their own recorder or recorders: Symphyta, Mr J. H. and Mrs H. E. Flint; Parasitica, W. A. Ely; Aculeata, Dr M. E. Archer. This is thus my first aculeate report and gives details of twelve new species recently recognised as occurring in the Watsonian county of Yorkshire. Initials of collectors are as follows: M. E. Archer (M.E.A.), M. D. Barnes (M.D.B.), A. Brackenbury (A.B.), H. Britten (H.B.), J. T. Burn (J.T.B.), R. Butterfield (R.B.), W. A. Ely (W.A.E.), D. Fishardel (D.F.), W. J. Fordham (W.J.F.), J. H. Flint (J.H.F.), W. D. Hincks (W.D.H.), W. J. Lee (W.J.L.), S. Shaw (S.S.), H. N. Whiteley (H.N.W.), J. Wood (J.W.).

The first five species are the result of the splitting of the chrysid wasp, *Chrysis ignita*, s.l. by Morgan D. (1984, *Handbooks for the Identification of British Insects*, Vol. 6, Part 5. Cuckoo-wasps. Hymenoptera, Chrysididae). Most of the following specimens have been named by D. Morgan or M. Spooner. Many of the specimens were found in the collections of the museums at Doncaster, Keighley, Leeds, Manchester, Scarborough and Sheffield, and I would like to thank the curators for permission to borrow and examine these specimens.

C. ignita s.l. has a thick and heavily sculptured cuticle, richly coloured in brilliant metallic blue, green and red. The adults are often found feeding at flowers or extra-floral nectaries or investigating holes in various substrates, the possible nesting sites of their hosts. However I usually find them stationary on white dead wood in a sheltered sunny situation. The five Yorkshire species use mason-wasps (Eumenidae) as their hosts but *C. angustula* also uses crabronine wasps (Sphecidae). Usually the chrysid larva eats the egg or young larva of its host before eating the food stores.

C. angustula Schenck, 1856. Distributed throughout England as far north as Yorkshire. V.C. 62. Strensall (SE 66) (June 1983, M.E.A.); Sand Hutton (SE 65) (June 1984, M.E.A.); Caydale (SE 58) (July 1985, M.E.A.); Duncombe Park (SE 68) (July 1980, J.H.F.; Aug. M.E.A.).

V.C. 63. Askern (SE 51) (June 1938, M.D.B.); near Blaxton Common (SE 60) (July 1972, July 1978, J.T.B.); Crow Wood (SK 69) (June 1981, J.T.B.); Potteric Carr (SE 50) (June 1982, J.T.B.); Blaxton Common (SE 60) (Aug. 1984, M.E.A.).

C. ignita (Linn., 1758) s.s. Common and distributed throughout England.

V.C. 61. Bubwith (SE 73) (May–July 1916–1936, W.J.F., J.W.); Spurn (TA 41) (June–July 1948–1952, W.D.H., S.S.); Stone Creek (TA 21) (June 1980, M.E.A.); Skipwith (SE 63) (June 1984, M.E.A.).

V.C. 62. Scalby (TA 09) (June 1959, W.D.H.); Sand Hutton (SE 65) (July 1977, W.J.L.); York (SE 65) (June–Sept. 1977–1982, M.E.A.).

V.C. 63. Elland (SE 12) (June 1935, M.D.B.); Bingley Wood (SE 13) (Aug. 1927); Holmehouse (SE 04) (July 1921); Keighley (SE 04) (June 1948, J.W.); Esholt (SE 13) (May/June 1978, H.N.W.); Sandall Beat Wood (SE 60) (June 1984, M.E.A.); Duncombe Park (SE 68) (July 1985, M.E.A.).

V.C. 64. Chapel Allerton (SE 33) (July 1975, J.T.F.).

C. impressa Schenck, 1856. Common and distributed throughout England.

V.C. 61. Thorganby (SE 64) (June 1919, W.J.F.); Bubwith (SE 73) (June 1909–1936,

- W.J.F., J.W.); Allertorpe (SE 74) (June 1936, W.D.H.).
 V.C. 62. Fen Bog (SE 89) (July 1937, H.B.); Duncombe Park (SE 68) (June–July, 1983–1985, J.T.B., M.E.A.); Caydale (SE 58) (June 1984, M.E.A.); Cayton Bay (TA 08) (July 1983, M.E.A.).
 V.C. 63. Wilsden (SE 03) (June 1908, R.B.); Shipley (SE 13) (June 1918); Dearne (SE 40) (June 1977); Askern (SE 51) (June 1976–1983, J.T.B.); Blaxton Common (SE 60) (June–Sept., 1972–84, J.T.B., M.E.A.); Armthorpe (SE 60) (Aug. 1980, J.T.B.); Highfields (SE 50) (July 1983, J.T.B.); Sandall Beat Wood (SE 60) (June 1983, J.T.B.); Hatfields Lings (SE 60) (June 1976, J.T.B.); Barnaby Dun (SE 60) (June 1980, J.T.B.); Crow Wood (SK 69) (June 1978, J.T.B.); Bentley Common (SE 50) (June 1974, J.T.B.); Shipley Glen (SE 13) (July 1985, M.E.A.).
 V.C. 64. Blackmoor (SE 23) (June 1931); Aberford (SE 43) (June–July 1936, J.W., W.D.H.); Benthall (SD 66) (June 1935, M.D.B.); Adel (SE 24) (June 1936, D.F.); Dallowgill (SE 17) (July 1979, J.H.F., M.E.A.).

C. mediata Linsenmaier, 1959. Moderately common in southern England, Yorkshire is on its northern border.

- V.C. 61. Spurn (TA 41) (July 1948, W.D.H.).

C. rutiliventris Abeille de Perrin, 1879. Locally moderately common throughout England.

- V.C. 61. Bubwith (SE 73) (June–Aug. 1918–1919, W.J.F.); Allertorpe (SE 74) (Aug. 1927).

The remaining seven species seem to be genuine additions to the Yorkshire list:

Omalus violaceus (Scopoli, 1763). Until the following records, this species was not recorded north of Leicestershire.

- V.C. 62. Duncombe Park (SE 68) (Aug. 1985, M.E.A.).

- V.C. 63. Denaby (SK 49) (Aug. 1985, J.T.B.).

The previous record of this species (*Naturalist* 44: 38) is in error. The specimen, found at Manchester Museum, proved to be *O. auratus* (Linn., 1758).

Calliadurgus fasciatellus (Spinola, 1808). These records greatly extend the northern border of this species from Norfolk.

- V.C. 62. Strensall (SE 66) (Aug.–Sept. 1981–1982, M.E.A.).

Crossocerus palmipes (Linn., 1767). Not common, but probably occurs throughout England.

- V.C. 63. Crow Wood (SK 69) (July 1977–1982, J.T.B.); Rossington Bridge (SK 69) (July 1984, J.T.B.); Blaxton Common (SE 60) (Aug. 1984, M.E.A.).

Earlier reference to this species is probably a misidentification for *C. tarsatus* (Shuchard, 1837). Consultation of the longer Fordham card index shows this nomenclature change had not been made.

Crossocerus leucostoma (Linn., 1758). These records extend the southern boundary of this species.

- V.C. 62. Strensall (SE 66) (May 1982, M.E.A.); Duncombe Park (SE 68) (June 1983, J.T.B.).

Ectemnius dives (Lepeletier & Brullé, 1835). These records indicate the continual northward spread of this species.

- V.C. 63. Askern (SE 51) (June 1977, J.T.B.); Highfields (SE 50) (July 1983, J.T.B.); Denaby (SK 49) (July 1984, J.T.B.); Wharnccliffe Wood (SK 39) (July–Aug. 1974–82, A.B.); Parkgate, Rotherham (SK 49) (Aug. 1976, W.A.E.).

Psenulus concolor (Dahlbom, 1843). These records extend the northern range of this species.

V.C. 62. York (SE 65) (June 1980, M.E.A.).

V.C. 63. Askern (SE 51) (June 1977, J.T.B.); Newton Quarry, Sprotborough (SE 50) (June 1980, J.T.B.); Bentley Common (SE 50) (July 1984, J.T.B.); Wharmcliffe Wood (SE 39) (July 1979, A.B.).

Hylaeus confusus Nylander, 1852. This solitary bee is probably found throughout England.

V.C. 62. Ashberry (SE 58) (Aug. 1976, J.H.F.); Caydale (SE 58) (June 1984, M.E.A.).

V.C. 63. Near Blaxton Common (SE 60) (July 1977, J.T.B.); Blaxton Common (SE 60) (June 1984, M.E.A.).

Y.N.U. BRYOLOGICAL SECTION: ANNUAL REPORT 1984-1985

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Sectional meetings during 1984 and 1985 have been held as follows:

Spring 1984 — Saltersgate Beck (V.C. 62) April 7

Summer 1984 — Bradfield near Sheffield (V.C. 63) September 1

Spring 1985 — Hazlewood and Tadcaster (V.C. 64) April 6

Summer 1985 — Aysgarth (V.C. 65) September 7.

The Saltersgate and Bradfield meetings were highly successful and each revealed interesting and diverse bryophyte communities in very different habitats. The Hazlewood and Aysgarth meetings were less productive, the latter chiefly as a result of incessant rain on the day. Fuller reports are to be found in the Bulletin of the Yorkshire Naturalist's Union.

RECORDS

Records have been received from Mr C. Wall, who has been doing some good work in the Doncaster district, and from Miss J. Robertson. Recorders' initials: T.L.B. = T. L. Blockeel, J.R. = J. Robertson, C.W. = C. Wall. An asterisk indicates a new V.C. record or an amendment to the *Census Catalogue*.

Reboulia hemisphaerica: (*63) Calcareous rocks, Roche Abbey district, F. A. Lees, 1876 (CMM). Otherwise unknown from V.C. 63.

Marchantia alpestris: (*61) Flower pots, University Botanical Gardens, Hull, R. J. Fisk, 1982 (*Bull. Brit. bryol. Soc.* **44**: 23).

Riccia cavernosa: (*63) 43/29 On exposed mud, More Hall Reservoir, Ewden, T.L.B., Sept 1984.

Metzgeria temperata: (64) 34/95 On sycamore and other trees, Winterburn Valley, T.L.B., Feb 1984.

Lophozia ventricosa var *silvicola*: (*62) Wet heath north of Osmotherley, J. A. Paton, 1967 (*Bull. Brit. bryol. Soc.* **44**: 24).

Lophozia ventricosa var *longiflora*: (*64) 44/14 On wet shale, Coldstone Beck, Burley Moor, T.L.B., 1983.

Jungermannia subelliptica: (*64) 34/65 Thin soil on slatey scar by beck, Croasdale, near Slaidburn, M. J. Wigginton, 1984 (*Bull. Brit. bryol. Soc.* **46**: 21).

Plagiochila killarriensis: (64) 34/77 On wet slate in ravine, Twistleton Glen, Ingleton, T.L.B., May 1984.