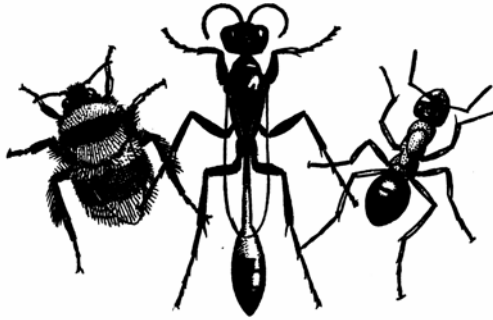


ISSN 1746-5230



***BWARS Newsletter***  
**Autumn 2005**



found. This nest site area only lasted one year because of human disturbance. The majority of the solitary wasp species were aerial nesters mainly in crevices in an old wall, in dead wood which had been brought to the site and dead bramble stems which were abundant. The cemetery is not a favourable habitat for subterranean nesting solitary wasps.

The AF for the solitary bee species of 40.0% is also very high compared with the British solitary bee AF of 17.9%. Again, the cemetery is an unfavourable nesting habitat for subterranean nesting solitary bees. No subterranean nesting sites of solitary bee species were found in the cemetery.

In conclusion, the solitary wasp species recorded from the cemetery are mainly resident species using aerial nesting sites. The solitary bee species are mainly resident species of a larger area than the cemetery, using the cemetery as a food source but with subterranean nesters tending to nest outside the cemetery. From the list of recorded host solitary bee species (Archer, 2004), a further seven additional cleptoparasitic species, not yet recorded, could easily be present, at least, outside the cemetery in the larger area. With these extra cleptoparasitic species the solitary bee CL becomes 34.4% which is within the narrow range of CLs.

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## Records of scarce and interesting aculeates from southern Britain in 2005

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Initials of recorders are as follows: GWA – Geoff Allen; DWB – David Baldock; ICB – Ian Beavis; LC – Laurence Clemons; SC – S Connop; ME – Mike Edwards; SF – Steve Farmer; GH – Graham Hemmington; RIM – Richard Moyse; SPMR – Stuart Roberts; RWJU – Raymond Uffen; AW – Ann Watts.

***Hedychrum niemelai***. From Reigate Heath, Surrey in July. The first record south of the North Downs in the county. Also from Brookwood Cemetery in August, both records by DWB. Still spreading.

***Tiphia minuta***. Reported from Little Culand Pit, Burham, Kent, in May (LC).

***Myrmica specioides***. GWA captured a singleton worker at Red Cliff, near Sandown, Isle of Wight in July. This spot has been regularly collected over the years without reports of this scarce red ant and the record seems to him to be evidence of the spread of *M. specioides*, which was reported last year from Hayling Island.

***Auplopus carbonarius***. Found in Maidstone, Kent, a female on the inside of a window in August (GWA), released unharmed.

***Cryptocheilus notatus***. Found at Wrecchesham sandpit, Surrey in June and Brookwood Cemetery in August (both by DWB).

***Ceropales maculata***. From Hambledon claypit, Surrey (DWB), a female on *Angelica* in August. Apparently frequent in Forestry Commission Rides in clay woodland.

***Odynerus melanocephalus***. Recorded by several members of the Kent Field Club on a brown field site at Swanscombe, Kent, in June.

***Gymnomerus laevipes***. From Little Culand Pit, Burham, Kent, in May (LC).

***Polistes dominulus***. Again from Ham House, for the third year running (DWB). Nesting in roof of the Orangery in large numbers on 26 August.

***Podalonia affinis***. Two females of this species were recorded in July from Graveney Marshes, well outside the previously known range in Kent (LC).

***Astata boops***. Scarce in Kent, recorded from an allotment garden at Maidstone in June (GWA), males sunning at perches on an old piece of carpet.

***Tachysphex nitidus***. Female found on Bisley Ranges on 23 May (DWB). The third modern Surrey site.

***Nitela lucens***. Found on a dead tree at Cranleigh claypit, 2 records in June (DWB). Also from the Maidstone garden of GWA in June and August, and from a dead tree in August at Danesbury Park, Welwyn, Hertfordshire (RWJU).

***Crabro scutellatus***. Found at Cranleigh claypit, Surrey, and Wrecclesham sandpit, both records from around ponds in June (DWB).

***Crossocerus exiguus***. A female found in Leeds Castle grounds in August (RIM) on a recording weekend organised by the Kent and Medway Biological Records Centre.

***Crossocerus nigrinus***. A scarcity in Kent, recorded from Little Culand Pit, Burham, Kent, in May (LC).

***Ectemnius borealis***. From Stroud Wood, Grayswood, Surrey on *Angelica* in August (DWB).

***Ectemnius sexcinctus***. A species possibly increasing in frequency, from two sites in Maidstone, June (GWA) and August (AW).

***Gorytes laticinctus***. From River Wey at Elstead, Surrey, a male on 12 July, females on 14 July and 12 August, all on hogweed with *G. quadrifasciatus* and *Argogorytes mystaceus* (DWB). 1<sup>st</sup> record for Surrey was on R. Wey at Guildford, 10 mile north, 2 years ago.

***Harpactus tumidus***. A female captured by RIM at Leeds Castle, at the above weekend.

***Cerceris quadricincta***. A male netted at fennel in a further allotment garden in Maidstone, in August (GWA). Also from Little Cliffsend, Ramsgate, by RIM and ME, separately.

***Hylaeus pictipes***. From Cranleigh claypit, two males on weld on 23 June, the 4<sup>th</sup> Surrey record. Also from Elstead cemetery, a female on 31 August (both by DWB). He asks - has the species been overlooked before or is it getting more common in Surrey? In Kent, from Tyland Barn, HQ of the Kent Wildlife Trust, a female visiting *Hebe*, and males from fennel in a Maidstone allotment garden, both in August (GWA).

***Andrena lapponica***. GH forwarded a female of this mining bee, a scarcity in Kent, from 1 km east of Crockhamhill, Kent, in April. The specimen was visiting dandelion on the weald clay.

***Andrena nitidiuscula***. From Red Cliff, Isle of Wight, in July (GWA) – a male visiting an unidentified umbellifer.

***Andrena niveata***. A male and female from two dates in May, visiting *Rapistrum* on a farm track near Cobtree Golf Course, Kent (GWA).

***Andrena proxima***. From Hambledon claypit, male and female on Cypress Spurge, on 22 May (DWB).

***Halictus confusus***. A female from a brown field site at Swanscombe, Kent, in June, far from its normal habitat of sandy heath (GWA).

***Lasioglossum nitidiusculum***. Much declined in recent years but reported from Little Culand Pit, Kent in May (LC).

***Lasioglossum puncticolle***. From Swanscombe in June (GWA & LC).

***Lasioglossum rufitarse***. ICB produced the first reliable record of this species from Kent, a male taken at Penshurst Place in August.

***Lasioglossum xanthopus***. Females from Cranbrook Wood near Chestnut Street, Kent, in May (GWA) and Swanscombe in June (GWA & RIM).

***Sphecodes ferruginatus***. From Swanscombe in June (GWA).

***Macropis europaea***. ICB found this species at Tunbridge Wells, some distance from other known Kent sites, in late June, males flying around vegetation near a small, artificial pond. In early July, a female was found nectaring at marjoram. He commented that there was no *Lysimachia vulgaris*, the usual host plant, present but *L. nummularia* was there.

***Stelis breviscula***. The cleptoparasite of *Heriades truncorum*, and found with the host at Wandsworth Common on ragwort, 19 July (DWB).

***Heriades truncorum***. As above, from Wandsworth Common on ragwort, 19 July (DWB) and from Tyland Barn, near Maidstone, Kent, 20 July (GWA).

***Chelostoma florissomne***. A female taken from *Ranunculus* at Cobtree Golf Course near Maidstone, 26 May (GWA).

***Megachile dorsalis***. Found by DWB at Wrecclesham sandpit nr Farnham, Surrey; a very large nesting aggregation along 300 ms of south-facing sand cliff in June. 1<sup>st</sup> Surrey record for 100 years. Otherwise only known inland from the Brecks.

***Coelioxys rufescens***. Wrecclesham sandpit. Very common, dozens, on *Anthophora bimaculata*. 21 June. Unusual in numbers.

***Nomada guttulata***. ICB reported several of this species at a strong *Andrena labiata* colony at Ashurst, in May, the first modern Kent record.

***Nomada hirtipes***. Hambledon claypit, female on Cypress Spurge on 22 May (DWB).

***Anthophora quadrimaculata***. A female taken in flight near lavender at Tyland Barn, near Maidstone, on 23 June (GWA), others were sighted.

***Bombus humilis***. Queens were seen in numbers at Swanscombe, Kent, in June (GWA, LC, RIM etc).

***Bombus hypnorum***. This species continues to spread. A male was reported from a garden on 20 June in Upper Sydenham, SE London (SC), visiting *Buddleia globosa*. Also, a queen was sighted in a garden at Yatley, Hampshire, 7-14 May and again from 23-29 May, foraging from *Cotoneaster horizontalis* (SF). SPMR netted a male at *Euphorbia* in a wood east of Salisbury on 4 June, not far from the site of the first British record.

***Bombus ruderarius***. Reported from the Sittingbourne garden, Kent, of LC in April.

***Bombus rupestris***. There is further evidence of a recovery for this cuckoo bumble. A queen was found in garden of DWB at Milford, 17 June. A male was captured at Bedgebury Forest, Kent, in July (GWA). Also from Wrecclesham sandpit, Surrey, two queens on 10 August (DWB) and a queen from Maidstone in early August (AW).

***Bombus sorooensis***. Recorded from pan traps from Salisbury Plain (SPMR).