

## REPORT ON THE INSECT REMAINS FROM CIRENCESTER

by  
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The sample examined was very small and many of the insects of which it was composed were so fragmentary as to be unidentifiable. Thus the following notes on the ecology of the site are based on only thirteen taxa which is not a large enough number to enable anything but a tentative picture to be drawn.

**Insects recognised**

## DERMAPTERA

*Forficula ?auricularia* L.

## COLEOPTERA

*Calathus fuscipes* (Goeze)

*Calathus melanocephalus* (L.)

*Cercyon* sp.

*Hister* sp.

*Aphodius* sp.

*Onthophagus ovatus* (L.)

*Byrrhus* sp.

*Adalia bipunctata* (L.)

*Apion* sp.

*Barynotus* sp.

*Mecinus pyraster* (Hbst.)

## HYMENOPTERA

Formicidae, probably *Lasius flavus* (F.)

**Implications of the fauna**

*Calathus fuscipes* and *C. melanocephalus* are predators which are both found in moderately dry grassland and *Aphodius* and *Onthophagus ovatus* are dung beetles which live in the droppings of grazing animals such as cattle, horses and sheep. *Cercyon* and *Hister* are found in decaying vegetable refuse of various kinds although again dung is probably their most frequent habitat. The weevil *Mecinus pyraster* is also found in meadowland where its larvae live at the roots of *Plantago lanceolata*. Ants were only represented by two heads devoid of any appendages whatever so that their identification is no more than tentative. If, however, they are *Lasius flavus* this species, too, is found on dry, open grassy ground.

There is, therefore, a strong suggestion that the local environment consisted of grassland on which large herbivorous mammals were grazing. The common earwig, *Forficula auricularia* and the two spotted ladybird *Adalia bipunctata* are both so common and widespread as to have little significance at all. Members of the genus *Byrrhus* are usually associated with moss but are widely distributed today, while *Apion* and *Barynotus*, though both plant feeders, cannot supply any further ecological information as neither was specifically identified.

On the negative side it is noteworthy that no insects suggesting the presence of trees were found, nor any aquatic species.

All the insects identified could be caught in the neighbourhood of Cirencester today and there is no reason to suppose that the climate of the area was different from that of the present day.

## ABBREVIATIONS

<i>Antiq. J.</i>	Antiquaries' Journal
<i>Archaeol. Aeliana</i>	Archaeologia Aeliana
<i>Archaeol. Cambrensis</i>	Archaeologia Cambrensis
<i>Archaeol. J.</i>	Archaeological Journal
<i>Brit. Archaeol. Rep.</i>	British Archaeological Reports
<i>Brit. Numis. J.</i>	British Numismatic Journal
<i>Bull. Geol. Surv. of Gt. Br.</i>	Bulletin of the Geological Survey of Great Britain
<i>Geol. Mag.</i>	Geological Magazine
<i>J. Archaeol. Sci.</i>	Journal of Archaeological Science
<i>J. Roman Stud.</i>	Journal of Roman Studies
<i>Medieval Archaeol.</i>	Medieval Archaeology
<i>Mem. Geol. Surv. England and Wales</i>	Memoirs of the Geological Survey England and Wales
<i>Monmouthshire Antiq.</i>	Monmouthshire Antiquary
<i>O.R.L.</i>	Der Obergemanisch – Ractische Limes des Römerreichs
<i>Primer Congreso Geol. Chileno</i>	Primer Congreso Geologia Chileno
<i>Proc. Cambridge Antiq. Soc.</i>	Proceedings of the Cambridge Antiquarian Society
<i>Proc. Chelt. Natur. Sci. Soc. N.S.</i>	Proceedings of the Cheltenham Natural Science Society (New Series)
<i>Proc. Cotteswold Natur. Fld. Club</i>	Proceedings of the Cotteswold Naturalists' Field Club
<i>Proc. Devon Archaeol.</i>	Proceedings of the Devon Archaeological Society
<i>Proc. Geol. Assoc.</i>	Proceedings of the Geological Association
<i>Proc. Prehist. Soc.</i>	Proceedings of the Prehistoric Society
<i>Proc. Soc. Antiq.</i>	Proceedings of the Society of Antiquaries
<i>Proc. Soc. Antiq. Scot.</i>	Proceedings of the Society of Antiquaries of Scotland
<i>Proc. Somerset Archaeol. Soc.</i>	Proceedings of the Somerset Archaeological Society
<i>Quart. Journ. Geol. Soc.</i>	Quarterly Journal of the Geological Society
<i>Rept. Brit. Assoc. Adv. Sci.</i>	Report of the British Association for the Advancement of Science
<i>Soc. Bibliography Nat. Hist. London</i>	Society for the Bibliography of Natural History, London
<i>Trans. Birmingham Archaeol. Soc.</i>	Transactions of the Birmingham Archaeological Society
<i>Trans. Birmingham Warwickshire Archaeol. Soc.</i>	Transactions of the Birmingham and Warwickshire Archaeological Society
<i>Trans. Bristol Gloucestershire Archaeol. Soc.</i>	Transactions of the Bristol and Gloucestershire Archaeological Society
<i>Trans. Essex Archaeol. Soc.</i>	Transactions of the Essex Archaeological Society
<i>Trans. Leicester Lit. Phil. Soc.</i>	Transactions of the Leicester Literary and Philosophical Society
<i>Trans. London Middlesex Archaeol. Soc.</i>	Transactions of the London and Middlesex Archaeological Society
<i>Trans. Norfolk Norwich Nat. Society</i>	Transactions of the Norfolk and Norwich Naturalists' Society
<i>Wiltshire Archaeol. Natur. Hist. Mag.</i>	Wiltshire Archaeological and Natural History Magazine
<i>Yorkshire Archaeol. J.</i>	Yorkshire Archaeological Journal

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