
Fossil arthropods of Great Britain

Contents

[Title page and preliminaries](#)

Acknowledgements

Access to the countryside

Conserving our fossil heritage — JNCC policy statement

Preface N. V Ellis

[1 An Introduction to the fossil arthropods of Great Britain D. Palmer](#)

Introduction

Arthropod anatomy

Arthropod systematics and evolution

History of investigation

Early arthropod evolution and the Cambrian 'explosion'

Terrestrialization

Fossil evidence for herbivory in arthropods

Arthropods — the development of flight

Taphonomy and preservation potential

Insects as climate indicators

GCR site selection

GCR sites in palaeogeographical context

[2 Pre-Carboniferous fossil arthropods](#)

Pre-Carboniferous geological history D. Palmer

[Dunside, South Lanarkshire Derek J. Siveter](#)

[Gutterford Burn, East Lothian and Midlothian Derek J. Siveter](#)

[Slot Burn, Ayrshire Derek J. Siveter](#)

[Turin Hill, Angus Derek J. Siveter](#)

[Stonehaven, Aberdeenshire Derek J. Siveter and D. Palmer](#)

[Church Hill, Herefordshire Derek J. Siveter](#)

[The Whitcliffe, Shropshire Derek J. Siveter](#)

[Ludford Lane and Ludford Corner, Shropshire Derek. J. Siveter](#)

[Tin Mill Race, Shropshire Derek J. Siveter](#)

[Perton Lane, Herefordshire Derek J. Siveter](#)

[Bradnor Hill, Herefordshire Derek\]: Siveter](#)

[Rhynie Chert, Aberdeenshire P.A. Selden](#)

3 Post-Devonian fossil arthropods P A Selden

Post-Devonian upper palaeozoic history

[Foulden, Borders](#)

[Glencarholm, Dumfries and Galloway](#)

[Granton Shore, Lothian](#)

[East Kirkton, Lothian](#)

[Writhlington, Avon](#)

4 Mesozoic fossil arthropods E.A. Jarzembowski and D. Palmer

Introduction

Regional setting

[Aust Cliff, Avon](#)

[Charmouth–Pinhay Bay, Dorset](#)

[Dumbleton and Alderton, Gloucestershire](#)

[Stonesfield, Oxfordshire](#)

[Poxwell, Dorset](#)

[Durlston Bay, Dorset](#)

[Teffont Evias, Wiltshire](#)

[Dinton, Wiltshire](#)

[Clockhouse Brickworks, Surrey](#)

[Auclaye, Surrey](#)

[Smokejacks Brickworks, Surrey](#)

5 The palaeoentomology of Tertiary (Cenozoic) strata in Great Britain

E.A. Jarzembowski and D. Palmer

Introduction

Palaeoclimates and palaeoenvironments

Palaeogeographical setting

Stratigraphical background

[Ardtun, Strathclyde](#)

[Cold Ash, Berkshire](#)

[Bognor Regis, West Sussex](#)

[Gurnard, Hampshire](#)

[St Helens, Hampshire](#)

[Bouldnor, Hampshire](#)

[References](#)

[Glossary](#)

Index

[Figures and tables](#)