

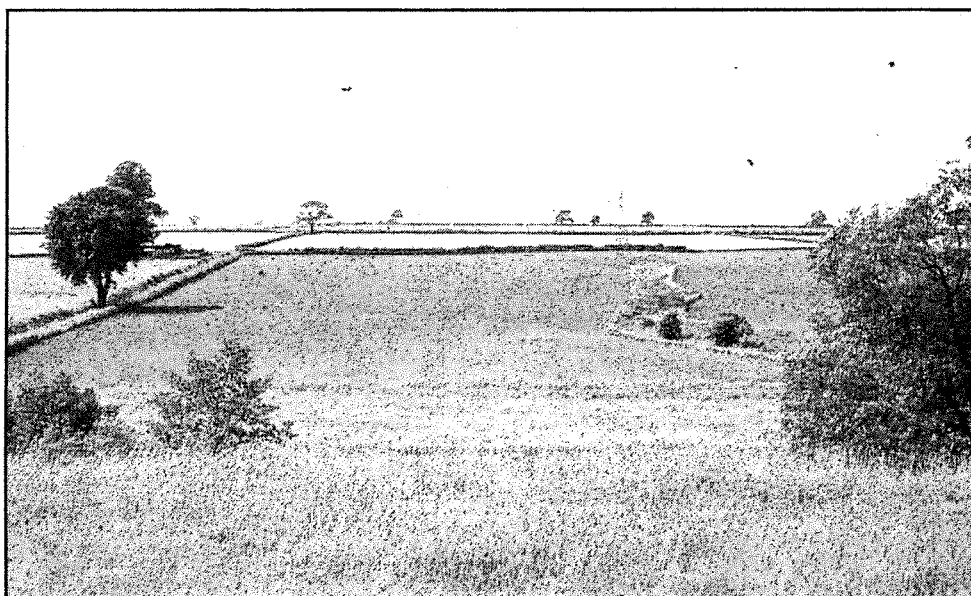
THE ARCHAEOLOGY OF RUTLAND WATER

Nicholas J. Cooper



Leicester Archaeology Monographs No. 6

THE ARCHAEOLOGY OF RUTLAND WATER



The Archaeology of Rutland Water:

Excavations at Empingham in the Gwash Valley, Rutland, 1967-73 and 1990

by

Nicholas J. Cooper

with contributions from:

*R. Alvey, R. Bellamy, P. Blinkhorn, I. Bowden, P. Buckland, J. Buckley, B. Dickinson, A. Diver,
S. M. Fraser, S. J. Glaswell, R. Head, P. Liddle, A. Monckton, G. C. Morgan, A. Morrison,
M. Ponting, J. Wakely, and R. Young*

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Front Cover: Rutland Water reservoir from the air (Courtesy Leics. County Council)
Rear Cover: Empingham I Early Anglo-Saxon Cemetery (Site 3): Grave 5
Frontispiece: View north across the Gwash Valley

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The TypeFoundry, Northampton

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Note: Most of the text was prepared during the period 1991-3 and although some up dating has taken place during the final editing stages, it should be borne in mind that many of the specialist reports will not incorporate the results of fieldwork and research published since.

N. J. Cooper
September 2000



Plate 1: Excavation in progress on Site 1 1970

BIBLIOGRAPHY

- Aberg, N., 1926 *The Anglo-Saxons in England during the early centuries after the invasion*. Cambridge.
- Adams, A. W., Clough, T. H. McK., Gorin, M. S., Reynolds, N. M. and Todd, M., 1982 'Archaeological discoveries at Rutland Water', *Hydrobiologica* **88**, 56-77.
- Adis, J., 1979 'Problems of interpreting arthropoid sampling with pitfall traps', *Zoologischer Anzeiger* **202**, 177-184.
- Akerman, J. Y., 1855 *Remains of Pagan Saxondum*. London.
- Allason-Jones, L. and Milet, R., 1984 *The Catalogue of Small Finds from South Shields Roman Fort*. Gloucester.
- Allen, J. R. L. and Fulford, M. G., 1996 'The distribution of South-East Dorset Black Burnished Ware Category 1 pottery in South-West Britain' *Britannia* **27**, 223-285.
- Allsop, J., 1998 'Ab Kettleby church', *Trans. Leicestershire Arch. and Hist. Soc.* **72**, 162.
- Amorosi, T., 1989 *A Postcranial Guide to Domestic Neonatal and Juvenile Animals: The identification and ageing of Old World Species*, BAR (International Series) **533**. Oxford.
- Amsden, A. F. and Boon, G. C., 1975 'C. O. Waterhouse's list of insects from Silchester (with a note on early identifications of insects in archaeological contexts)', *J. Arch. Science* **2**, 129-136.
- Anderson, A., 1980 *A Guide to Roman Fine Wares*. Vorda Research Series **1**, Highworth, Swindon.
- Armitage, P., 1982 'A system for ageing and sexing the horn cores of cattle from British post-medieval sites (17th to early 18th century) with special reference to unimproved British longhorn cattle' in B. Wilson, C. Grigson and S. Payne (eds.) *Ageing and Sexing Animal Bones From Archaeological Sites*. BAR (British Series) **109**, 37-54. Oxford.
- Barnatt, J. and Myers, A., 1988 'Excavations at the Bull Ring Henge, Dove Holes, Derbyshire, 1984-5', *Derbyshire Archaeological Journal* **108**, 5-20.
- Bass, W. M., 1987 *Human Osteology - A Laboratory and Field Manual*, 3rd Ed. Missouri Archaeological Society Inc.
- Bateman, T., 1848 *Vestiges of the Antiquities of Derbyshire, and the Sepulchral Usages of its Inhabitants, from the Most Remote Ages to the Reformation*. London.
- Bird, J., 1981 'The samian ware' in Todd 1981, 25-26.
- Birley, R., 1977 *Vindolanda: A Roman Frontier Post on Hadrian's Wall*. London. Thames and Hudson.
- Boardman S., and Jones G., 1990 'Experiments on the effect of charring on cereal plant components', *J. Archaeological Science* **17**, 1-11.
- Boddington, A., 1996 *Raunds Furnells: The Anglo-Saxon Church and Church Yard*. English Heritage Archaeological Report **7**. London.
- Boon, G., 1988 'Counterfeit coins in Roman Britain', in R. Reece and J. Casey (eds.) *Coins and the Archaeologist*, 102-189. London.
- Booth, P., and Green, S., 1989 'The nature and distribution of certain pink, grog-tempered vessels', *Journal of Roman Pottery Studies* **2**, 77-84.
- Bourne, J., 1996 *Anglo-Saxon Landscapes in the East Midlands*. Leicestershire Museums, Leicester.
- Bowman, P., 1996 'Contrasting pays: Anglo-Saxon Settlement and Landscape in the Langton Hundred' in Bourne 1996, 121-146.
- Bracegirdle, B. and Miles, P. H., 1979 *An Atlas of Chordate Structure* London: Heinemann.
- Bradley, R. J., 1970 'The excavation of a beaker settlement at Belle Tout, East Sussex, England', *Proc. Prehist. Soc.* **36**, 312-379.
- Brailsford, J. W., 1949 'Excavations at Little Woodbury, Wilts.' *Proc. Prehist. Soc.*, **12**, 156-68.
- Brickstock, R. J., 1987 *Copies of Fel. Temp. Reparatio coinage in Britain*, BAR (British Series) **176**. Oxford.
- Brodribb, A. C. C., Hands, A. R. and Walker, D. R., 1968, *Excavations at Shakenoak Farm, Near Wilcote, Oxfordshire Part 1: Sites A and D*. Oxford.
- Brothwell, D. R., 1959 'Teeth in earlier human populations', *Proc. Nutritional Society* **18**, 59-65.
- Brothwell, D. R., 1972 'Palaeodemography and earlier British Populations', *World Archaeology* **4**, 75-87.
- Brothwell, D. R., 1981 *Digging Up Bones* 3rd Edn. OUP, Oxford.
- Brown, S., 1989 'Report on the animal bone' in V. Gaffney and M. Tingle, *The Maddle Farm Project: and Integrated Survey of Prehistoric and Roman Landscapes on the Berkshire Downs*. BAR (British Series) **200**, 183-92. Oxford.
- Brown, A. E., 1994 'A Romano-British shell-tempered pottery and tile manufacturing site at Harrold, Bedfordshire', *Bedfordshire Archaeol. Journ.* **21**, 19-107.
- Brown, D., 1974 'Problems in continuity', in R. T. Rowley (ed.) *Anglo-Saxon Settlement and the Landscape*, 16-19.
- Buckland, P. C., 1979 *Thorne Moors: A Palaeoecological Study of a Bronze Age Site*, University of Birmingham, Department of Geography Occ. Paper **8**.
- Buckland, P. C., 1980 'Insect remains from the well', in I. M. Stead, *Rudston Roman Villa*, 162-167. Yorks. Arch. Soc., Leeds.
- Buckland, P. C., 1981 'The early dispersal of insect pests of stored products as indicated by the archaeological record' *J. Stored Products Research*, **17**, 1-12.
- Buckland, P. C., 1986 'An insect fauna from a Roman well at Empingham, Rutland', *Trans. Leicestershire Archaeol. and Hist. Soc.* **60**, 1-6.
- Burnham, B. and Wachter, J. S., 1990 *The Small Towns of Roman Britain*. Batsford, London.
- Bush, H., and Zvelebil, M. (eds.), 1991 *Health in Past Societies*. Tempus Reparatum. Gloucester.
- Bushe-Fox, J. P., 1928 *Second Report on the Excavation of the Roman Fort at Richborough, Kent*. Oxford.
- Carter, R., 1996 'Dental report' in L. Cooper, 'A Roman cemetery at Newarke St, Leicester', *Trans. Leicestershire Archaeol. and Hist. Soc.* **70**, 44-51.
- Casey, J., 1988 'The interpretation of Romano-British site finds' in R. Reece and J. Casey 1988, 39-57.
- Charlesworth, D., 1974 'The glass' in Neal 1974, 203-207.
- Clark, J. G. D., Higgs, E. S. and Longworth, I. H., 1960 'Excavations of the prehistoric site at Hurst Fen, Mildenhall, Suffolk, 1954, 1957, and 1958', *Proc. Prehist. Soc.* **11**, 202-246.
- Clark, J. T., 1966 'The distribution of *Lucanus cervus* (L.) (Col., Lucanidae) in Britain', *Entomologists' Monthly Magazine*, **102**, 199-204.
- Clark, R., 1999 'The Roman pottery' in A. Connor and R. Buckley *Roman and Medieval Occupation at Causeway Lane, Leicester*. Leicester Archaeology Monograph **5**, 95-164. Leicester.
- Clay, P., 1987 'An excavation at Burley Road, Oakham', in P. Liddle (ed.), 'Archaeology in Leicestershire and Rutland

- 1986', *Trans. Leicestershire Archaeol. and Hist. Soc.* **61**, 87-90.
- Clay, P., 1989a 'Oakham, Burley Road' in P. Liddle (ed.), 'Archaeology in Leicestershire and Rutland 1988', *Trans. Leicestershire Archaeol. and Hist. Soc.* **63**, 108.
- Clay, P., 1989b 'Out of the unknown: approaches to prehistoric archaeology in Leicestershire', in A. M. Gibson (ed.) *Midlands Prehistory*, 111-121. BAR (British Series) 201. Oxford.
- Clay, P., 1992 'An Iron Age farmstead at Grove Farm, Enderby, Leicestershire', *Trans. Leicestershire Archaeol. and Hist. Soc.* **66**, 1-82.
- Clay, P., 1996 *The Exploitation of the East Midlands Claylands in Later Prehistory: Aspects of Settlement and Landuse from the Mesolithic to the Iron Age*. University of Leicester unpublished Ph.D thesis.
- Clay, P., 1998 'Neolithic-Early Bronze Age pit circles and their environs at Burley Road, Oakham' *Proc. Prehist. Soc.* **64**, 293-330.
- Clay, P., 1999 'The Neolithic and Bronze Ages of Leicestershire and Rutland', *Trans. Leicestershire Archaeol. and Hist. Soc.* **73**, 1-17.
- Clay, P., forthcoming *The East Midlands Claylands in Prehistory* Leicester Archaeology Monograph Series. Leicester.
- Clay, P. and Graf, A., 1986 'Fieldwork at a prehistoric site at Oakham', in P. Liddle (ed.), 'Archaeology in Leicestershire and Rutland 1985', *Trans. Leicestershire Archaeol. and Hist. Soc.* **60**, 82.
- Clough, T. H. McK., 1981 'The coins' in Todd 1981, 34.
- Cohen, A. and Serjeantson, D., 1983 *A Manual for the Identification of Bird Bones from Archaeological Sites*.
- Coles, J.M., 1987 *Meare Village East: The Excavations of A. Bulleid and H. St George Gray 1932-1956 Somerset Levels Papers* **13**.
- Connor, A., 1993 'Excavations at Drayton II Roman Villa, Leicestershire, 1992', *Trans. Leicestershire Archaeol. and Hist. Soc.* **67**, 79-83.
- Cook, A. M. and Dacre, M. W., 1985 *Excavations at Portwey, Andover 1973-75*. Oxford University Committee for Archaeology Monograph 4.
- Cool, H. E. M. and Price, J., 1993 *The Roman Glass from Excavations in Colchester, 1971-1985*. Colchester Archaeological Reports 5.
- Cool, H. E. M., and Price, J., forthcoming 'The Roman vessel glass' in P. Woodward, *Excavations at Greyhound Yard and the Old Methodist Chapel, Dorchester, Dorset*.
- Coope, G. R. and Osbourne, P. J., 1968 'Report on the coleopterous fauna of the Roman Well at Barnsley Park, Gloucestershire', *Trans. Bristol and Gloucestershire Arch. Soc.* **86**, 84-87.
- Cooper, L., forthcoming a *The Lithics from Launde, Leicestershire*.
- Cooper, L., forthcoming b 'The lithics' in N. Finn *A Multi-period site at Eye Kettleby, Melton, Leicestershire*.
- Cooper, L. and Humphrey, J., 1998 'The lithics' in M. Beamish 'A Middle Iron Age site at Wanlip, Leicestershire' *Trans. Leicestershire Archaeol. and Hist. Soc.* **72**, 63-74.
- Cooper, N.J., 1989 'A Study of Roman pottery from the Lower Nene Valley kiln site at Park Farm, Stanground, Peterborough.' *Journal of Roman Pottery Studies* **2**, 59-65.
- Cooper, N. J., 1996a 'Searching for the blank generation: consumer choice in Roman and post-Roman Britain' in J. Webster and N. J. Cooper (eds.) *Roman Imperialism: Post-Colonial Perspectives*, 85-98. Leicester Archaeology Monographs **3**. University of Leicester. School of Archaeology.
- Cooper, N. J., 1996b 'Anglo-Saxon Settlement in the Gwash Valley, Rutland' in Bourne 1996, 165-180.
- Cooper, N. J., 1998a 'Rutland Water Fieldwalking Survey, 1990-94', *Trans. Leicestershire Archaeol. and Hist. Soc.* **72**, 189-90.
- Cooper, N. J., 1998b 'The supply of pottery to Roman Cirencester' in N. Holbrook (ed.) *Cirencester: The Roman Town Defences, Public Buildings and Shops*. Cirencester Excavations **5**, 324-350. Cotswold Archaeological Trust.
- Cooper, N. J., forthcoming 'The Early Anglo-Saxon pottery' in N. Finn *A Multi-period site at Eye Kettleby, Melton, Leicestershire*.
- Cooper, N. J., Beavitt, P., O'Sullivan, D. M. and Young, R., 1989 'A report on geophysical survey and trial excavations at the site of the Roman villa near Drayton, Leicestershire, 1988', *Trans. Leicestershire Archaeol. and Hist. Soc.* **63**, 7-17.
- Corder, P., 1951 *The Roman Town and Villa at Great Casterton, Rutland, First Report*. University of Nottingham.
- Corder, P., 1954 *The Roman Town and Villa at Great Casterton, Rutland, Second Report*. University of Nottingham.
- Corder, P., 1961 *The Roman Town and Villa at Great Casterton, Rutland, Third Report for the years 1954-8*. University of Nottingham.
- Crowther-Beynon, V. B., 1903 'A Rutland Anglian Cemetery' *The Rutland Magazine* **1**, 87-92.
- Crummy, N., 1979 'A chronology of Romano-British bone pins', *Britannia* **10**, 157-163.
- Crummy, N., 1983 *The Roman Small Finds from Excavations in Colchester 1971-9*. Colchester Archaeological Report **2**.
- Curtis, J., 1862, *British Entomology; being illustrations and descriptions of the Genera of Insects found in Great Britain and Ireland. Coleoptera Part 1*. Lovell Reeve and Co., London.
- Cunliffe, B. W., 1971 *Excavations at Fishbourne, 1961-1969, Vol 2: The Finds*. Leeds.
- Cunliffe, B. W., 1974 *Iron Age Communities in Britain*. RKP, London.
- Dannel, G. B., Hartley, B. R., Wild, J. P., and Perrin, R. J., 1993 'Excavations on a Romano-British pottery production site at Park Farm, Stanground, Peterborough, 1965-67', *Journal of Roman Pottery Studies* **6**, 51-94. Oxbow Books, Oxford.
- de la Bedoyere, G., 1991 *The Buildings of Roman Britain* Batsford. London.
- de Bethune, M., 1981 'The Roman pottery: the fine wares and common pottery', in Todd 1981, 26-32.
- Dechelette, J., 1904 *Les Vases Ceramiques ornes de la Gaule Romaine*. Paris.
- D of E., 1968 *Archaeological Excavations 1967* H.M.S.O.
- D of E., 1970 *Archaeological Excavations 1969* H.M.S.O.
- Dieckmann, L., 1972 'Ceutorhynchus-Studien (Coleoptera: Curculionidae)', *Beitrag Ent.* **21**, 585-593.
- Dobney, K., and Goodman, A., 1991 'Epidemiological studies of dental enamel hypoplasias in Mexico and Bradford: their relevance to archaeological skeletal studies' in Bush and Zvelebil 1991, 81-100.
- Driesch, A. von den, 1976 *A Guide to the Measurement of Animal Bones from Archaeological Sites*. University Press, Cambridge, Massachusetts.
- Duncan, C., 1998 'Sex determination using tooth measurements' in S. Anderson and K. Boyle (eds.) *Current and Recent Research in Osteoarchaeology*. Oxbow Books, Oxford.
- Dutour, O., 1986 'Enthesopathies (lesions of muscular insertion) as indicators of the activities of Neolithic Saharan

- Populations', *American Journal of Physical Anthropology* **71**, 221-224.
- Elsdon, S. M., 1979 'Baked clay objects' in H. Wheeler, 'Excavations at Willington, Derbyshire', *Derbyshire Archaeological Journal* **99**, 197-210.
- Elsdon, S. M., 1992a 'East Midlands Scored Ware' *Trans. Leicestershire Archaeol. and Hist. Soc.* **66**, 83-91.
- Elsdon, S. M., 1992b 'The Iron Age pottery' in Clay 1992, 38-52.
- Elsdon, S. M., forthcoming 'Iron Age pottery' in M. Beamish, *Pipeline Excavations in Rutland and East Leicestershire*.
- Esmonde Cleary, A. S., 1989 *The Ending of Roman Britain*. Batsford, London.
- Evison, V. I., 1977 'Supporting-arm brooches and equal-armed brooches in England', *Studien zur Sachsenforschung*.
- Evison, V. I., 1987 *Dover: The Buckland Anglo-Saxon Cemetery*. HBM(C) Arch. Report 3, London.
- Farwell, D. E. and Molleson, T. I., 1993 *Poundbury Volume 2: The Cemeteries*. Dorset Natural History and Archaeology Society Monograph **11**.
- Faussett, B., 1856 *Inventorium Sepulchrale: An Account of Some Antiquities Dug Up at Gilton, Kingston, Sibertswold, Barfriston, Beakesbourne, Chartham, and Crundale, in the County of Kent, from AD 1757 to AD 1773*. London.
- Finn, N., 1997 'Excavations at Eye Kettleby, Melton Mowbray' *Trans. Leicestershire Archaeol. and Hist. Soc.* **71**, 88.
- Fowler, E., 1960 'The origins and development of the penannular brooch in Europe', *Proc. Prehist. Soc.* **26**, 149-177.
- Fox, C., 1923 *The Archaeology of the Cambridge Region*. Cambridge.
- Frere, S. S., 1972 *Verulamium Excavations 1*. Oxford.
- Garton, D., and Beswick, P., 1983 'The survey and excavation of a Neolithic settlement area at Mount Pleasant, Kenslow', *Derbyshire Archaeological Journal* **103**, 7-40.
- Gilbert Jr. R. I. and Mielke, J. H. (eds.), 1985 *The Analysis of Prehistoric Diets*. Academic Press Inc., Florida.
- Girling, M. A., 1989 'The insect fauna of the Roman well at the cattlemarket' in A. Down, *Chichester Excavations* **6**, 234-241. Phillimore, Chichester.
- Going, C. J., 1987 *The Mansio and other sites in the South Eastern sector of Caesaromagus: The Roman Pottery*. Chelmsford Archaeological Report. CBA Res. Rep. **66**.
- Going, C. J. 1992 'Economic long waves in the Roman period: a reconnaissance of the ceramic evidence', *Oxford Journal of Archaeology* **11**, 93-117.
- Going, C. J., and Ford, B., 1988 'The Romano-British pottery' in N. P. Wickenden, *Excavations at Great Dunmow, Essex*. East Anglian Archaeology Report **41**, Chelmsford Archaeological Trust Report 7, 61-76.
- Grainger, G. and Mahany, C., forthcoming *Roman and Anglo-Saxon Burials, and a Roman Kiln, Excavated at Great Casterton in 1966*.
- Grant, A., 1975 'The animal bones' in B. W. Cunliffe *Excavations at Portchester Castle, Volume 1*, 378-408. Oxford.
- Grant, A., 1982. 'The uses of tooth wear as a guide to the age of domestic ungulates', in B. Wilson, C. Grigson and S. Payne (eds.) *Ageing and Sexing Animal Bones From Archaeological Sites*. BAR (British Series) **109**, 91-108. Oxford.
- Grant, A., 1984 'Animal husbandry' in B. W. Cunliffe *Danebury: an Iron Age Hillfort in Hampshire*. CBA Res. Rep. **52**, 496-548. London.
- Grant, A., 1989 'Animals in Roman Britain' in M. Todd (ed.) *Research on Roman Britain 1960-89* Britannia Monograph Series **11**, 131-142. London.
- Green, B., and Rogerson, A., 1978 *The Anglo-Saxon Cemetery at Bergh Apton, Norfolk*, East Anglian Archaeology Report 7, Norfolk.
- Green, S., 1980 *The Flint Arrowheads of the British Isles*, BAR (British Series) **75**, 2 vols. Oxford.
- Green, S., 1985 'Flint arrowheads: typology and interpretation', *Lithics* **5**, 19-39.
- Grew, F., and de Neergaard, M., 1988 *Shoes and Pattens, Medieval Finds from Excavations in London 2*. HMSO, London.
- Guido, M., 1978 *The Glass Beads of the Prehistoric and Roman Periods in Britain and Ireland*, London.
- Hadman, J., 1978 'Aisled buildings in Roman Britain', in Todd 1978, 187-95.
- Hadman, J., and Upex, S., 1975 'A Roman pottery kiln at Sulehay, near Yarwell' *Durobrivae* **3**, 16-18.
- Haley, G., 1993 *Fieldwalked Flint from Oakham, Rutland*. MA dissertation in Post-excavation Skills. University of Leicester Library.
- Hall, A.R., Kenward, H. K. and Williams, D., 1980 *Environmental Evidence from Roman deposits in Skeldergate*, Archaeology of York, fasc. **14/3** CBA, London.
- Hall, M., 1992 'The prehistoric pottery' in J. Moore and D. Jennings *Reading Business Park: A Bronze Age Landscape*, 63-82. Thames Valley Landscapes: The Kennet Valley vol. 1.
- Hamerow, H., 1989 'Anglo-Saxon Pottery and Spatial Development at Mucking, Essex', *Berichten. R.O.B.*, 245-273.
- Hammerson, M., 1989. 'The Roman Coins from Southwark', in *Southwark Excavations 1989*, 417-426. Southwark and Lambeth Excavation Committee.
- Hammond, P. M., 1974 'Changes in the British Coleopterus fauna' in D.L. Hawksworth (ed.) *The Changing Flora and Fauna of Britain*, Systematics Association Special Volume **6**, 323-370. Academic Press.
- Harden, D. and Price, J., 1971, 'The glass', in Cunliffe 1971, Vol 2, 317-68.
- Harke, H. 1989 'Early Saxon weapon burials: frequencies, distributions and weapon combinations' in S. C. Hawkes (ed.) *Weapons and Warfare in Anglo-Saxon England*, Oxford University Committee for Archaeology monograph **21**, Oxford, 49-62.
- Hartley, R. F., 1983 *The Medieval Earthworks of Rutland, a Survey*, Leicestershire Museums Archaeological Report 7.
- Hattatt, R., 1985 *Iron Age and Roman Brooches, a Second Selection of Brooches from the Author's Collection*. Oxford.
- Hawkes, S. C. and Dunning, G. C., 1962 'Soldiers and settlers in Britain, fourth to fifth Century, with a catalogue of animal-ornamented buckles and related belt-fittings', *Med. Archaeol* **5** (1961), 1-70.
- Hawkes, S. C., and Grove, L. R. A., 1963 'Finds from a seventh century Anglo-Saxon cemetery at Milton Regis'. *Arch. Cant.* **78**, 22-38.
- Henderson, A. M., 1949 'Small objects in metal, bone, glass, etc.' in J.P. Bushe-Fox, *Fourth Report on the Excavations of the Roman Fort at Richborough, Kent*, 106-160. Oxford.
- Herepath, N., 1993 *Fieldwalked Flint from the Gwash Valley, Leicestershire*. Unpublished dissertation for the MA in Post-excavation Skills. University of Leicester Library.
- Hermes, F., 1934 *La Graufesenque (Condatomago)*. Paris.
- Hillam, J., 1985 'Excavations at Fiskerton, Lincs.' *Current Archaeology* **96**, 21-27.

- Hillman G., 1981 'Reconstruction of crop husbandry practices from charred remains of crops' in R. Mercer *Farming Practices in British Prehistory*. Edinburgh University Press.
- Hillman G., 1982 'Evidence for malting spelt', in R. Leech (ed.) *Excavations at Catsgore 1970-73. A Romano-British Village*, 137-41. Western Archaeological Trust Excavation Monograph 2. Bristol.
- Hines, J., 1984 *The Scandinavian Character of Anglian England in the pre-Viking Period*, BAR (British Series) 124. Oxford.
- Hines, J., 1989 'The military context of the adventus Saxonum' in S. C. Hawkes (ed.) *Weapons and Warfare in Anglo-Saxon England*, Oxford University Committee for Archaeology monograph 21, Oxford, 25-48.
- Hingley, R., 1989 *Rural Settlement in Roman Britain*. Seaby, London.
- Hirst, S. M., 1985 *An Anglo-Saxon Inhumation Cemetery at Sewerby, East Yorkshire*, University of York Archaeological Publications 4.
- Hoffman, A., 1958 *Faune de France*, 52, 59, 62. Coleopteres Curculionides, Lechevalier, Paris.
- Hoskins, W. G., 1957 *Leicestershire: and Illustrated Essay on the History of the Landscape*. Hodder and Stoughton, London.
- Howe, M. D., Perrin, R.J. and Mackreth, D. F., 1980 *Roman Pottery from the Nene Valley: a Guide*. Peterborough City Museum Occasional Paper 2.
- Hull, M. R., 1968 'The brooches' in B.W. Cunliffe (ed.) *Fifth Report on the Excavations of the Roman Fort at Richborough, Kent*, 74-93. Oxford.
- Hunt, E. E. and Gleser, I., 1955 'The estimation of age and sex of preadolescent children from bones and teeth', *American Journal of Physical Anthropology* 13, 479-488.
- Hunter, F. A., et al. 1973 'Insects and mites of maltings in the East Midlands of England', *J. Stored Products Research*, 9, 119-141. Pergamon Press, Oxford.
- Hunter, R. H. F., 1982 *Reproduction of Farm Animals*. Longman Handbooks in Agriculture, London.
- Hyslop, M., 1964 'Two Anglo-Saxon cemeteries at Chamberlains Barn, Leighton Buzzard, Bedfordshire', *Archaeol. J.* 120 (1963), 161-200.
- Isings, C., 1957 *Roman Glass from Dated Finds*. Groningen.
- Jackson, D. A. and Ambrose, T. M., 1978 'Excavations at Wakerly, Northants., 1972-75', *Britannia* 9, 115-242.
- Jackson, D. and Dix, B., 1987 'Late Iron Age and Roman Settlement at Weekley, Northants.', *Northants. Archaeology* 21, 41-93.
- Jackson, D. A. and Knight, D., 1985 'An Early Iron Age and Beaker site near Gretton, Northants.', *Northants. Archaeol.* 20, 67-86.
- Jeannel, R., 1942 'Coleopteres Carabiques', *Faune de France* 40, 572-1173.
- Jones, E., 1995 'Report of the RLHRS Archaeological Committee' *Rutland Record* 15, 240-242.
- Jones, E., 1997 'Report of the RLHRS Archaeological sub-Committee' *Rutland Record* 17, 319-322.
- Jones, E., 1999 'Report of the RLHRS Archaeological sub-Committee' *Rutland Record* 19, 407-410.
- Jones, G., 1982 *Plant remains from the Roman villa at Norfolk Street, Leicester*. Ancient Monuments Laboratory Report 4973 English Heritage 1982.
- Jones, G., 1987 'Carbonized grain' in D. C. Mynard (ed.) *Roman Milton Keynes: Excavations and Fieldwork 1971-82*. Bucks. Arch. Soc. Monograph 1, 192-3.
- Keevil, G. D., 1996 'The reconstruction of the Romano-British villa at Redlands Farm, Stanwick, Northants.' in P. Johnson and I. Haynes (eds.) *Roman Architecture in Roman Britain*. CBA Res.Rep. 94, 44-55.
- Kenet, D. H., 1983 'The earliest male grave at Kempston', *Beds.Arch. J.* 16, 88-91.
- Kenward, H. K., 1975 'Pitfalls in the environmental interpretation of insect death assemblages', *J. Arch. Science* 2, 85-94.
- Kenyon, K., 1948 *Excavations at the Jewry Wall Site, Leicester*. Oxford: Rep. Res. Comm. Soc. Antiq. London 15.
- King, A. C., 1991 'Food production and consumption - meat', in R. F. J. Jones (ed.) *Roman Britain: Recent Trends*, 15-20. Recent Trends 5, J. R. Collis Publications, University of Sheffield.
- King, C. E., 1978 'The Woodeaton hoard and the problem of Constantinian imitation, AD 330-341', *Numismatic Chronicle* 88, 38-65.
- Kleot, G. S., and Hincks, W. D., 1977 *A Check List of British Insects*, 2nd Ed. (Completely Revised) Part 3: *Coleoptera and Strepsiptera* (rev. R.D. Pope). Roy. Ent. Soc. of London.
- Knight, D., 1984 *Late Bronze Age and Iron Age settlement in the Nene and Great Ouse Basins*. BAR (British Series) 130, Oxford.
- Landin, B. O., 1961 'Ecological studies of dung beetles', *Opuscula Entomologica* Suppl. 19.
- Le Cheminant, R., 1978 'The development of the pipeclay hair curler - a preliminary study', *London Archaeol.* 3 (1976-1980), 187-191.
- Leeds, E. T., 1945 'The distribution of the Anglo-Saxons archaeologically considered', *Archaeologia* 91, 1-106.
- Levine, M. A., 1982 'The use of crown height measurements and eruption-wear sequences to age horse teeth' in B. Wilson, C. Grigson and S. Payne (eds.) *Ageing and Sexing Animal Bones from Archaeological Sites*. BAR (British Series) 109, 223-250. Oxford.
- Liddle, P., 1980 'An Anglo-Saxon cemetery at Wanlip, Leicestershire', *Trans. Leicestershire Archaeol. and Hist. Soc.* 55, 11-21.
- Liddle, P., 1994 'The Medbourne Area Survey' in M. Parker-Pearson and T. Schadla-Hall (eds.) *Looking at the Land: Archaeological Landscapes in Eastern England*, 34-36. Leicester.
- Liddle, P., 1996 'The Archaeology of Anglo-Saxon Leicestershire', in Bourne 1996, 1-10.
- Liddle, P. forthcoming *The Anglo-Saxon Cemetery at Glen Parva*.
- Lindroth, C. H., 1945; 1949 *Die Fennoskandischen Carabidae Eine Tiergeographische Studie*, Meddelander fran Gotebords Musei Zologiska Avdelsing (3 vols).
- Lindroth, C. H., 1974 *Carabidae, Handbooks for the Identification of British Insects*, 4, 2. Roy. Ent. Soc., London.
- Lucas, J., 1993 'Roman burial at Edith Weston', *Rutland Record* 13, 144.
- MacGregor, A., 1977 'Bone skates: a review of the evidence', *Archaeol. J.* 133 (1976): 57-74.
- MacGregor, A., 1985 *Bone, Antler, Ivory and Horn: The Technology of Skeletal Materials since the Roman period*. London.
- Mackreth, D. F., 1973 *Roman Brooches*. Salisbury.
- Mackreth, D. F., 1996 *Orton Hall Farm: A Roman and Early Anglo-Saxon Farmstead*. East Anglian Archaeology Report 76.
- Maltby, J. M., 1979 *The Animal Bones from Exeter, 1971-1975*. Exeter Archaeological Reports 2.
- Maltby, J. M., 1985 'The animal bones' in P. J. Fasham *The Prehistoric Settlement at Winnal Down, Winchester*. Trust for

- Wessex Archaeology Monograph, 97-112.
- Manchester, K. and Elmhirst, 1980 *The Anglo-Saxon Cemetery at Eccles, Kent*. Unpublished. University of Bradford.
- Manley, 1985 'The archer and the army in the Late Anglo-Saxon period' in S. C. Hawkes, J. Campbell and D. Brown, *Anglo-Saxon studies in Archaeology and History* 4. Oxford University Committee for Archaeology, Oxford.
- Manning, W. H., 1972 'The iron objects' in Frere 1972, 163-195.
- Manning, W. H., 1976 *Romano-British Ironwork in the Museum of Antiquities, Newcastle-Upon-Tyne*. Newcastle-Upon-Tyne.
- Manning, W. H., 1985 *Catalogue of the Romano-British Iron Tools, Fittings, and Weapons in the British Museum*. London.
- Marney, P. T., 1989 *Belgic and Roman Pottery from Milton Keynes*. Buckinghamshire Archaeological Society Report 2.
- Marsden, P., 1998 'The Prehistoric pottery' in M. Beamish 'A Middle Iron Age site at Wanlip, Leicestershire' *Trans. Leicestershire Archaeol. and Hist. Soc.* 72, 44-63.
- Marsden, P., 2000 'The Prehistoric pottery' in B. M. Charles, A. Parkinson and S. Foreman 'A Bronze Age ditch and Iron Age settlement at Elms Farm, Humberstone, Leicester' *Trans. Leicestershire Archaeol. and Hist. Soc.* 74, 170-186.
- Marsden, P., forthcoming *The Roman Pottery in Excavations at Melton Mowbray*, Leicestershire Museums Archive Report.
- Martin, D. L., Armelagos, G. J. and King, J. R., 1979 'Degenerative joint disease of the long bones in Dickson Mounds', *Henry Ford Hospital Medical Journal* 27/1, 60-63.
- Martin, D. L., Goodman, A. H. and Armelagos, G. J., 1985 'Skeletal pathologies as indicators of quality and quantity of diet', in Gilbert *et al.* 1985.
- Mays, S. A., 1996 'Human skeletal remains' in Timby 1996, 21-34.
- Meadows, I., 1999 'Excavations at Ketton', *Trans. Leicestershire Archaeol. and Hist. Soc.* 73, 119-121.
- Meaney, A. L., 1981 *Anglo-Saxon Amulets and Curing Stones*. BAR British Series 96. Oxford.
- Meaney, A. L. and Hawkes, S. C., 1970 *Two Anglo-Saxon Cemeteries at Winnal, Winchester, Hampshire*. London.
- Meek, J., 1998 'Whitwell, Main Street' *Rutland Record* 18, 368.
- Meindl, R. S. and Lovejoy, C. O., 1985 'Ectocranial suture closure: a revised method for the determination of skeletal age at death based on the lateral-anterior sutures' *American Journal of Physical Anthropology* 68, 57-66.
- Merbs, C. F., 1983 *Patterns of activity induced pathology in a Canadian Inuit Population*, National Museum of Canada, Ontario.
- Miles, A. E. W., 1969 'The dentition of the Anglo-Saxons', *Proc. Royal Society of Medicine* 62, 1311-1315.
- Miles, A. E. W., 1989 *An Early Christian chapel and burial ground on the Isle of Ensay, Outer Hebrides, Scotland with a study of skeletal remains*, BAR (British Series), 212 Oxford.
- Miles, D., 1984 *Archaeology at Barton Court Farm, Abingdon, Oxon*. Oxford Archaeological Unit Report 3, CBA Research Report 50.
- Mohr, K. H., 1966 'Familie Chrysomelidae' in H. Freude, K. W. Harde and G. A. Lohse (eds.) *Die Käfer Mitteleuropas* 9, 95-280 Goecke and Evers, Krefeld.
- Molleson, T., 1989 'Social implications of mortality patterns of juveniles from Poundbury Camp Romano-British cemetery', *Anthropologisches Anzeiger* 47 (1), 27-38.
- Monckton, A., 1995 'Environmental archaeology in Leicestershire', *Trans. Leicestershire Archaeol. and Hist. Soc.*, 69, 32-41.
- Monckton, A., 1999 *Charred plant remains from corn driers and other contexts of a Romano-British settlement site at Billesley Manor Farm, Warwickshire*. Ancient Monuments Laboratory Report 25/99 English Heritage 1999.
- Moore, K., 1985 *Clinically Orientated Anatomy*, 2nd edn. Williams and Wilkins, Baltimore.
- Moore, W. R. G. and Williams, J. H., 1975 'A Later Neolithic Site at Ecton, Northampton', *Northamptonshire Archaeology* 10, 3-30.
- Morris, R. and Roxan, J., 1980 'Churches on Roman buildings' in W. Rodwell (ed.) *Temples, Churches, and Religion in Roman Britain*. BAR (British Series) 77, 175-210. Oxford.
- Myres, J. N. L., 1969 *Anglo-Saxon Pottery and the Settlement of England*. Oxford.
- Myres, J. N. L., 1977 *A Corpus of Anglo-Saxon Pottery of the Pagan Period*. Oxford.
- Myres, J. N. L. and Green, B., 1973 *The Anglo-Saxon Cemeteries of Caistor-by-Norwich and Markshall, Norfolk*. Soc. Antiqs. London.
- Neal, D. S., 1974 *The Excavation of the Roman Villa in Gadebridge Park, Hemel Hempstead, 1963-8*. London.
- Neal, D. S. and Butcher, S. A., 1974 'Miscellaneous objects of bronze' in Neal 1974, 157-187.
- Ortner, D. J. and Putschar, W. G. J., 1985 *Identification of Pathological Conditions in Human Skeletal Remains*. Smithsonian Contributions to Anthropology 28. Smithsonian Institution Press, Washington DC.
- Osborne, P. J., 1969 'An insect fauna of Late Bronze Age date from Wilsford, Wiltshire', *J. Animal Ecology* 38, 555-556.
- Osborne, P. J., 1971 'An insect fauna from the Roman site at Alcester, Warwickshire', *Britannia* 2, 156-165.
- Oswald, F., 1936-7 *Index of Figure-Types on Terre Sigillata ("Samian Ware")*. Liverpool.
- Oswald, F., and Davies Price, T., 1920 *An Introduction to the Study of Terra Sigillata*. London.
- Palm, T., 1959 'Die Holz-und Rindenkafer der sud-und mittelschwedischen Laubbaume', *Opuscula Entomologica*, suppl. 16.
- Parsons, D., 1996 'Introduction: Leicestershire in the Anglo-Saxon period' in Bourne 1996, xix-xxiii.
- Percival, J., 1976 *The Roman Villa: An Historical Introduction*. Batsford, London.
- Perrin, R. J., 1980 'London ware' *Durobrivae* 8, 10.
- Perrin, R. J., 1981 'The Late Roman pottery of Great Casterton - thirty years on', in A. C. Anderson and A. S. Anderson (eds.) *Roman Pottery Research in Britain and North-West Europe*. BAR (International Series) 123. Oxford.
- Perrin, R. J., 1999 'Roman pottery from excavations at or near to the Roman small town of Durobrivae, Water newton, Cambridgeshire, 1956-58', *Journal of Roman Pottery Studies* 8, 1-141.
- Phythian-Adams, C., 1977 'Rutland reconsidered' in A. Dornier (ed.), *Mercian Studies*, 63-84. Leicester University Press, Leicester.
- Phythian-Adams, C., 1980 'The emergence of Rutland and the making of the realm', *Rutland Record* 1, 5-12.
- Pickering, J., and Hartley, R. F., 1985 *Past Worlds in a Landscape: Archaeological Cropmarks in Leicestershire*. Leicestershire Museums Archaeological Report 11, Leicester.
- Pitt Rivers, A., 1888, *Excavations in Cranbourne Chase, near Rushmore, on the Borders of Dorset and Wilts., 1880-1888*. Vol. 2. London.
- Pitts, M., 1978 'On the shape of waste flakes as an index of technological change in lithic industries', *J. Archaeol. Sci.* 5, 17-37.
- Pollard, R. J., 1991 'Drayton II Roman Villa' *Trans.*

- Leicestershire Archaeol. and Hist. Soc.* 65, 85-88.
- Pollard, R. J., 1994 'The Late Iron Age and Roman pottery' in P. N. Clay and R. J. Pollard, *Iron Age and Roman Occupation in the West Bridge Area, Leicester. Excavations 1962-71*, 51-114. Leicester, Leicestershire Museums, Arts and Records Service.
- Pollard, R. J., 1999 *Roman Pottery Fabrics from Leicestershire: a Concordance*. Unpublished document. Leicestershire Museums.
- Powlesland, D., 1998 'West Heslerton Assessment', *Internet Archaeology* 5.
- Powell, F., 1996 'The human remains' in Boddington 1996, 113-124.
- Price, J., 1982 'The glass' in Webster and Smith 1982, 174-185.
- Price, J., and Cool, H. E. M., 1983 'Glass from the excavations of 1974-76' in A. E. Brown and C. Woodfield 'Excavations at Towcester, Northamptonshire: The Alchester Road suburb', 115-124, *Northamptonshire Archaeology* 118, 43-140.
- Prummel, W., 1988 *Atlas for Identification of Foetal Skeletal Elements of Cattle, Horse, Sheep and Pig. Archaeozoologia*, III/1, 2, Part 3, 13-26.
- Prummel, W., 1989, Appendix to *Atlas for Identification of Foetal Elements of Cattle, Horse, Sheep and Pig. Archaeozoologia*, III/1, 2, 71-78.
- Reece, R., 1972, 'A short survey of the Roman coins on fourteen sites in Britain', *Britannia* 3, 269-276.
- Reece, R., 1987 *Coinage in Roman Britain*. Seaby, London.
- Reece, R., 1988 'Clustering of coin finds in Britain, France and Italy, in Reece and Casey 1988, 73-86.
- Reece, R. and Casey, J. (eds), 1988 *Coins and the Archaeologist*. London.
- Richmond, I. A., and Gillam, J. P., 1951 'The Temple of Mithras at Carrawburgh', *Arch. Ael.* 29, 1-92.
- Ripoll, G. and Arce, J., 2001 'The transformation and end of Roman villae in the west (fourth-seventh centuries): problems and perspectives' in G. P. Brogiolo, N. Gauthier and N.J. Christie (eds.) *Towns and their Territories between Late Antiquity and the Early Middle Ages*. Brill, Leiden.
- Roberts, C. A. and Manchester, K., 1995 *The Archaeology of Disease* (2nd edn.). Alan Sutton, Stroud.
- Robinson, M. A., 1983 'Arable/Pastoral Ratios from Insects', in M. Jones (ed.) *Integrating the Subsistence Economy*, 19-47, BAR (International Series) 181. Oxford.
- Rodwell, W. J. and Rodwell, K. A., 1985 *Rivenhall: Investigations of a villa, church and village, 1950-1977*. Chelmsford Archaeological Trust Report 4, CBA Research Report 55.
- Rogers, G. B., 1974 *Poteries sigillées de la Gaule centrale, Gallia Suppl.* 28.
- Rogers, J., Dieppe, I., and Dieppe, J., 1981 'Arthritis in Saxon and medieval skeletons', *British Medical Journal* 283, 1668-70.
- Rook, T., 1988 Proposal for the Reconstruction of Welwyn Roman Baths. Herts. Unpublished document.
- Rose, J. C., Condon, K. W. and Goodman, A. H., 1985 'Diet and Dentition: Developmental disturbances' in Gilbert *et al.* 1985.
- Saville, A., 1973 'A reconstruction of the prehistoric flint assemblage from Bourne Pool, Aldridge, Staffordshire', *Staffs. Arch. Hist. Soc.* 14, 6-28.
- Saville, A., 1981 'Honey Hill, Elkington: A Northamptonshire Mesolithic Site, *Northamptonshire Archaeology* 16, 1-13.
- Schmidt, E., 1972. *Atlas of Animal Bones*. Elsevier Publishing Company, Amsterdam.
- Sills, J. and Kinsley, G., forthcoming *Excavations at Weelsby Ave. Grimsby*.
- Silver, I. A., 1969. 'The ageing of domestic animals', in D. R. Brothwell and E. Higgs (eds.) *Science in Archaeology*, 289-295. Thames and Hudson, London.
- Smith, J. T., 1964 'Romano-British aisled houses', *Archaeol. J.* 120, 1-30.
- Smith, J. T., 1978a 'Halls or yards? A problem of villa interpretation', *Britannia* 9, 351-358.
- Smith, J. T., 1978b Villas as a key to social structure in Todd 1978, 149-85.
- Stanfield, J. A. and Simpson, G., 1958 *Central Gaulish Potters*. London.
- Stead, I. M., 1976 *Excavations at Winterton Roman Villa 1958-67*. DoE Archaeological Report 9.
- Stead, I. M. and Rigby, V., 1986 *Baldock: The Excavation of a Roman and Pre-Roman Settlement, 1968-72*. London.
- Stewart, T. D., 1958 'The rate of development of osteoarthritis in American whites and its significance in skeletal age identification', *The Leech* (Johannesburg) 28, 144-151.
- Stirland, A., 1991 'Diagnosis of occupationally related palaeopathology: can it be done?' in D. J. Ortner and A. C. Auferheide (eds.) *Human Palaeopathology: Current Syntheses and Future Options*, 40-47. Smithsonian Institution Press, Washington D.C.
- Stuart-Macadam, P., 1987 'Porotic hyperostosis, more evidence to support the anaemia theory', *American Journal of Physical Anthropology* 74, 521-6.
- Stuart-Macadam, P., 1991 'Anaemia in Roman Britain: Poundbury Camp', in H. Bush and M. Zvelebil 1991, 101-114.
- Swanton, M. J., 1973 *The Spearheads of the Anglo-Saxon Settlements*. Royal Archaeological Institute.
- Symonds, R., forthcoming a *Roman Pottery from Excavations at Thistleton, Leicestershire*.
- Taylor, J., forthcoming a 'Rural society in Roman Britain' in S. James and M. Millett (eds.) *Research Agendas for Roman Britain*. CBA Res. Rep. Series.
- Taylor, J., forthcoming b 'Houses, tradition and social discourse: some thoughts on rural architecture in Roman Britain'.
- Thomas, J., 1998 'Empingham, Main Street' *Rutland Record* 18, 368.
- Thorn, F., 1980 *Domesday Book: Rutland*, Phillimore Chichester.
- Timby, J. R., 1996 *The Anglo-Saxon Cemetery at Empingham II, Rutland*. Oxbow Monograph 70. Oxford.
- Tixier, J., 1974 *Glossary for the description of stone tools, with specific reference to the Epipalaeolithic of the Maghreb*, Translated by M. H. Newcomer, Washington State University Press.
- Todd, M., 1968a 'The commoner Late Roman coarse wares of the East Midlands', *Antiq. J.* 48, 192-209.
- Todd, M., 1968b *The Roman Fort at Great Casterton, Rutland*. Nottingham University.
- Todd, M., 1973 *The Coritani*. London.
- Todd, M. (ed.), 1978 *Studies in the Romano-British Villa*. Leicester University Press, Leicester.
- Todd, M., 1981 *The Iron Age and Roman Settlement at Whitwell*. Leicestershire Museums Archaeological Report Series 1.
- Tomber, R. and Dore, J. N., 1998 *The National Roman Fabric Reference Collection: a Handbook*. MoLAS Monograph 2. London.
- Turner, J., 1981 'The vegetation' in M. Jones and G. Dimbleby (eds.), *The Environment of Man: The Iron Age to the Anglo-*

- Saxon Period*. BAR (British Series) 87, 67-73, Oxford.
- Ubelaker, D. H., 1978 *Human Skeletal Remains: Excavation, analysis and interpretation*. Aldine, Chicago.
- Veen van der M., 1989 'Charred grain assemblages from Roman-period corn driers in Britain'. *Archaeol. J.* 146 (1989), 302-319.
- Vince, A. G. and Young, J., 1992 *The East Midlands Anglo-Saxon Pottery Project: Fourth Annual Report*. City of Lincoln Archaeology Unit Arch. Rep. 86.
- Wakely, J., 1996 'Skeletal analysis' in L. Cooper 'A Roman cemetery at Newarke St., Leicester', *Trans. Leicestershire Archaeol. and Hist. Soc.* 70, 33-44.
- Wakely, J., Manchester, K. and Roberts, C. A., 1991 'Scanning electron microscopy of rib lesions', *International Journal of Osteoarchaeology*, 1, 185-189.
- Waldron, A., 1993 'The health of the adults' in T. Molleson and M. Cox, *Spitalfields Volume 2: the Middling Sort*, 67-87. CBA Res. Rep. 86.
- Waldron, A., 1994 'The human remains' in V. Evison, *An Anglo-Saxon Cemetery at Great Chesterford, Essex*, 52-66. CBA Res. Rep. 91.
- Waldron, T., 1989 'The effects of urbanisation on human health: The evidence from skeletal remains' in D. Serjeantson and T. Waldron (eds.) *Diet and Crafts in Towns - the evidence of animal remains from the Roman to the Post-Medieval periods*, BAR (British Series) 199, Oxford.
- Walker, P. L., Johnson, J. R., and Lambert, P. M., 1988 'Age and Sex biases in the preservation of human skeletal remains', *American Journal of Physical Anthropology* 76, 183-188.
- Wardle, A., 1990 'The artefacts other than coins, pottery and glass vessels' in D. S. Neal, A. Wardle and J. Hunn (eds.) *Excavation of the Iron Age, Roman, and Medieval Settlement at Gorhambury, St Albans*, 113-169. London.
- Webster, G., 1982, 'The small finds', in G. Webster and L. Smith, 'The excavation of a Romano-British rural establishment at Barnsley Park, Gloucestershire, 1961-1979, Part 2: c. AD 360-400+', 107-139. *Trans Bristol and Gloucestershire Archaeological Society* 100, 65-189.
- Weiss, K. M., 1972 'On the systematic bias in skeletal sexing', *American Journal of Physical Anthropology* 37, 239-250.
- Wenham, L. P., 1968 *The Romano-British Cemetery at Trentholme Drive, York*, DoE Archaeol Rep, HMSO, London.
- West, S., 1985 *West Stow: The Anglo-Saxon Village*, 2 vols. East Anglian Archaeology Report 24, Ipswich.
- Wheeler, R. E. M., 1943 *Maiden Castle, Dorset*. Oxford.
- Wheeler, R. E. M. and Wheeler, T. V., 1936 *Verulamium, a Belgic and two Roman Cities*. London.
- White, R. H., 1988 *Roman and Celtic Objects from Anglo-Saxon Graves: A Catalogue and an Interpretation of their Use*. Oxford.
- Whitwell, J. B., 1982 *The Coritani: Some Aspects of the Iron Age Tribe and the Roman Civitas*. BAR (British Series) 99, Oxford.
- Whitwell, J. B. and Dean, M. J., 1966 'Great Casterton', *East Midlands Archaeological Bulletin* 8, 4-6.
- Wickham-Jones, C. R., 1991 *Rhum: Mesolithic and later sites at Kinloch, Excavations 1984-86*. Society of Antiquaries for Scotland Report 7.
- Wild, J. P., 1973 'A fourth century potter's workshop and kilns at Stibbington, Peterborough' in A. P. Detsikas (ed.) *Recent Research in Romano-British Coarse Pottery* CBA Report 10, 135-38.
- Wild, J. P., 1975 'The pottery' in Hadman and Upex 1975, 16.
- Wild, J. P. and Dannel, G. B., 1973 'Lynch Farm' *Durobrivae* 1, 20.
- Wilson, D. R., 1970 'Roman Britain in 1969', *Britannia* 1, 269-305.
- Wilson, D. R., 1971 'Roman Britain in 1970', *Britannia* 2, 243-288.
- Wilson, D. R., 1972 'Roman Britain in 1971', *Britannia* 3, 299-351.
- Woodland, R., 1982 *Pottery from Nether Hambleton*. Unpublished Archive Report, Leicestershire Museums.
- Woods, P. J., 1970 *Excavations at Brixworth, Northants, 1965-70 The Romano-British Villa*. Northampton.
- Young, R., 1987 *Lithics and Subsistence in North-Eastern England*. BAR (British Series) 161, Oxford.
- Young, R. and Humphrey, J., 1999 'Flint use in England after the Bronze Age: time for a re-evaluation?' *Proc. Prehist. Soc.* 65, 231-242.
- Young, R. and Kay, D., 1989 'Discriminant function analysis (DFA) of mixed lithic scatters in the north-east of England: a case of misclassified identity.' *Lithics* 9, 9-14.
- Youngs, S., (ed.) 1989 *The Work of Angels: Masterpieces of Celtic Metalwork, 6th-9th Centuries AD*, London.