

## TECHNICAL SECTION

### ENVIRONMENTAL METHODOLOGY

The revised research strategy and evaluation has isolated three legible data sets in reach of environmental questions. These are soil pollen, macroscopic plant remains and micromorphology (see *Revised Strategy* above).

*Soil pollen* is extracted in 4-sided plastic columns from mound, buried-soil and ditch sections, to determine the pollen sequence in time and space from the early prehistoric to the modern period. Soil is also extracted in 30g samples from all contexts, so that any feature can theoretically be chronologically situated, if roughly, by means of the pollen sequence. Given the overall problems of dating, this is intended at least to give us the capacity to distinguish prehistoric, Anglo-Saxon and modern features. Pollen analysis is being undertaken by Dr Rob Scaife.

Samples for *plant remains* are extracted from any contexts containing macroscopic indications of fossilised organic matter. The extraction of the plant remains is not straightforward since carbonised seeds (for example) are often mineralised or clad in iron pan, causing them to sink during flotation. Bulk-sieving is currently being applied for the more effective recovery of this material, which refers particularly to prehistoric pits, ditches and hearths. Analysis of macroscopic plant remains is being undertaken by Rob Scaife.

*Micromorphology* samples are now being extracted by 4-sided plastic columns (adapted from square-sectioned drainpipes). These are targetted particularly on sequences where the artificial and natural fills are equivocal but of vital importance to the interpretation, such as within the quarry pits. Micromorphology samples are also being taken from less enigmatic sequences, such as mound make-up, buried-soil and prehistoric ditch fills to provide a fully characterised deposit morphology for the site. Micromorphological analysis is being undertaken by Dr Charles French.

Martin Carver and Linda Peacock

### SAMPLING THE OVERBURDEN

In accordance with the strategy decided in 1986, the top-hamper of INT 41 comprising a layer of turf (horizon 0 — horizon 1) and a layer of scrambled soil (horizon 1-2) was removed by hand, and a programme of sub-sampling undertaken to monitor the recovery of finds. The following procedure involving three stages (1: removal of turf, 2: removal of topsoil to reach horizon 1, 3: removal of ploughsoil to reach horizon 2), was adopted.

1. Intervention 41 was divided into 20 quadrants, all leading quadrants being stripped of turf and finds recovered by shovel; no sieving was undertaken. However, one leading quadrant (Q) was treated as a test-quadrant, being excavated by shovel and sieved in its entirety (261m<sup>2</sup>). This completed, it was decided to subject the whole of INT 41 to a 1:9 aligned sampling programme, i.e. 1m<sup>2</sup> in every 9 would be sieved, the remainder removed by shovel. Thus all trailing quadrants were stripped of turf, 1 in 9 m<sup>2</sup> having their turves shaken and spoil sieved.

2. Once the whole surface of INT 41 had been stripped, the next stage (removal of topsoil) could proceed and was achieved in 2 spits. The 1 in 9 pattern of excavation and sieving was applied overall, but *in addition*, quadrant Q continued to be used as a monitor and was totally sieved.

3. The third stage, removal of ploughsoil in order to reach the 'unscrambled' horizon 2, was executed entirely by trowel, therefore the sample-sieving programme could be safely abandoned.

This exercise was undertaken by the Manpower Services team then in post and took approximately 1200 man days, or 60 man months, to complete. The finds recovery above horizon 2 was subsequently compared with the excavated area, and an extract of the results for one quadrant (Q) is given in fig. 8. It can be seen that the distribution of all finds (left) provides a coarse image of the mound positions, implying in the case of Mound 5 that the finds were originally concentrated in buried-soil, and in the case of Mound 2 that the ultimate mound make-up had been a displaced topsoil. The pattern was particularly defined by finds of pottery rather than flint. Quarrying of topsoil between the two mounds in the Anglo-Saxon period would account for the relative poverty of prehistoric material in this area, even though prehistoric features were present. The combination of Anglo-Saxon quarrying and subsequent ploughing has therefore most probably severely distorted the prehistoric distribution, and the pattern of prehistoric flint and pottery (particularly pottery) is more likely to indicate areas of relict buried-soil disturbed by these processes, than to reflect prehistoric activity.

It will also be noted that the higher recovery levels employed in the 1:9 samples added nothing whatever to the overall distribution pattern of finds in space.

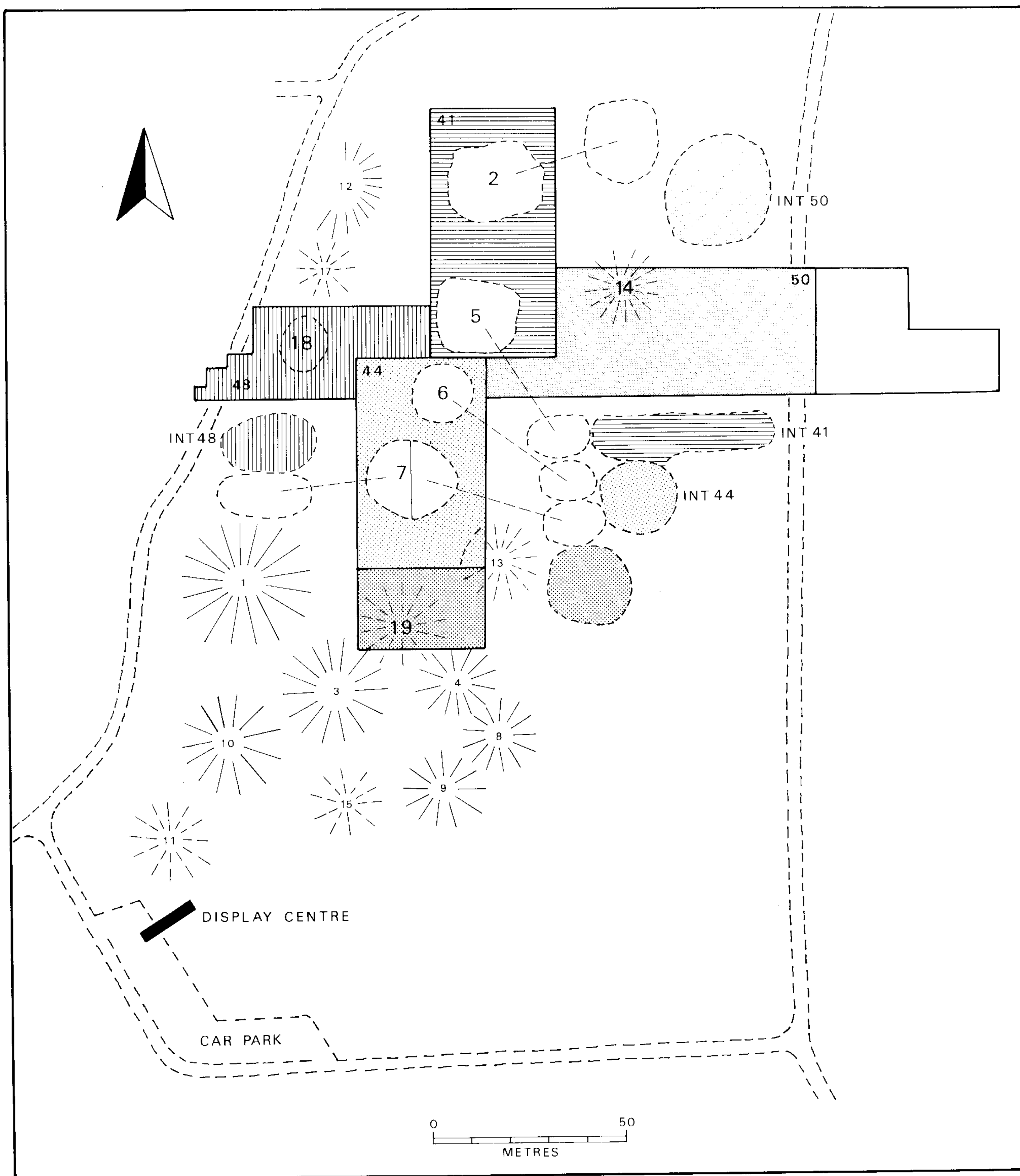


Fig. 9: Map of the excavated area, showing position of spoil heaps (MacBeth).

Following these analyses it was decided that within the mound areas, the same general distribution could be obtained more economically by surface collection at recovery level A, and this new strategy was applied in INT 48. In practice this involved the removal of the turf by front-forking with a tracked mechanical excavator. The exposed surface (horizon 1) was then 'ploughed' using the mechanical excavator's teeth (depth 6-8cm), creating furrows 20-25cm apart. Finds were recovered from the 'ploughed' soil by surface collection and metal detection, and recorded by metre square, giving a distribution which reflects the relict buried-soils. These were subsequently left in position where seen. The time taken for this operation was 4 days, and it is likely to have provided a map which is qualitatively (but not of course quantitatively) equivalent to that obtained for Sector 2.

Martin Carver, Andrew Copp and Madeleine Hummler

## CONSOLIDATION, CURATION AND PRESENTATION

The consolidation of the mounds after excavation has been the subject of study and discussion at Sutton Hoo, since the initial research design was published (Carver 1986, 69). Subsequent essays on presentation have concluded that the site should be presented as an educational asset rather than tourist entertainment (Carver 1989, 30-31). Embryonic plans for the continuation of a field school at Sutton Hoo are now in abeyance, but plans for the protection and educational display of the monument are being developed. Discussions with English Heritage, Suffolk County Council, Suffolk Coastal District Council and the Sutton Hoo Society are continuing. The main principles to be pursued are as follows:

- The mounds to be restored in accordance with the landscape encountered in 1983, using the spoil derived from each mound (fig. 9). This will include the back-filling of all negative features, including quarries.
- The excavated area to be marked by concrete stanchions.
- The site grid to be marked and labelled by concrete pyramids on the existing 100m intersects.
- Each excavated mound to be labelled at ground level with a non-corrosive plaque showing the burial-rite practised.
- The quarry ditch edges to be marked with concrete perimeter strips at ground level.
- The position of all Anglo-Saxon graves in Zone A to be marked by partial back-filling and capping with fresh sand or washed pebbles.
- The ship-perimeters to be outlined in plan with concrete strips.
- A large non-corrosive plaque to be mounted on posts on Mound 1, angled NE-SW. This plaque will give an overall plan of the cemetery as so far known.
- The present hut donated by CEGB to be converted to a display centre. It will contain the replica 'sandmen', a table model of the cemetery, and an extensive graphic display of all discoveries made, whether Anglo-Saxon or prehistoric.

It is hoped that this display will be in position by the summer of 1992, at which point the Sutton Hoo Society would assume responsibility for the curation of the site and its presentation to the public, in collaboration with the appropriate landowners and authorities.

Martin Carver and Jenny Glazebrook

### *Bibliography*

- Carver, M.O.H. (ed) 1986: *Bulletin of the Sutton Hoo Research Committee* 4  
Carver, M.O.H. (ed) 1989: *Bulletin of the Sutton Hoo Research Committee* 6



## CHRONICLE

### THE FIELD SCHOOL

The second Sutton Hoo field school which took place in the 1989 season allowed further development of the concept under the direction of Dr Madeleine Hummler assisted by Annette Roe. There were four courses of three weeks each between July and September, the first three dedicated to basic professional training, while the fourth session was designed as an introductory course for school-leavers intending to read archaeology at University.

The professional training course included two weeks of work experience and one week of personal tuition in excavation, recording and finds management for each participant. Additional training included workshops on survey, site photography, the environmental programme and the excavation strategy, and there were three field trips for each course. Each student was provided with a written assessment on completion of their course.

A maximum of fifteen students on each course was augmented by a few volunteers, most of them local, and it was this workforce, supervised by nine professional archaeologists, which completed the excavation in INT 44 and 48 reported above.

Jenny Glazebrook was responsible for publicity and recruitment for the scheme, which attracted seven participants from Italy, nine from USA, three from Canada, four from Czechoslovakia, one from Japan, and one from USSR as well as fifteen students from Universities in Britain including, of course, York. We were particularly glad to have the company of senior archaeologists from Italy and the USSR, who contributed much to the methodological debate always in progress at Sutton Hoo.

The Induction Course was a less successful experiment, coming as it did at the end of a long season when supervisors were intimately engaged in the final stages of recording. This very necessary service to school-leavers can, it is felt, be offered in a more productive manner by integrating their training with that of the professional courses. Accordingly in future years, three consecutive professional courses will be run, with places for fifteen students, while three or four 3-week voluntary attachments will be provided for school-leavers and beginners throughout the season.

Martin Carver and Madeleine Hummler

For further details, contact Jenny Glazebrook at the site office (address on back cover).

### POST-EXCAVATION AND PUBLICATION PROGRAMME

In the autumn of 1989, the final post-excavation programme began at York, and the deputy director, supervisor and finds supervisor, together with the archive, were established in the Department of Archaeology there. Priority work has been decided as follows:

- Generation of archive report for INT 41 (A.J. Copp)
- Creation of prehistoric pottery typology (M.R. Hummler)
- Reassembly of computer files in compatible form (A.J. Copp and J. Huggett)
- Creation of analytical routines using D Base III + , Autocad and allied software (A.J. Copp and J. Huggett)
- Creation of completed computer files holding finds data, which now relates to 75,000 finds (L. Peacock)

In addition, analyses are in progress on the early medieval finds and fragments (A.C. Evans, British Museum), macroscopic plant remains (L. Peacock and R. Scaife), pollen (R. Scaife) and micromorphology (C. French). Analytical programmes on the small amount of human remains and on the C 14 dating have yet to be formally initiated.

### PUBLICATION PROGRAMME

Interim syntheses on the early medieval context of Sutton Hoo have been published during the course of the project. Interim accounts of discoveries and research in progress are offered in the *Bulletin*, which appears annually. The incidental history of the project is reported twice a year in *Saxon*, the newsletter of the Sutton Hoo Society.

The final publication of the site is planned to be firstly in the form of a public *Data-Base* with developed user-routines, sited at the University of York, the British Museum and Suffolk County Council, and accessible anywhere in Europe on the JANET network.

Four multiple-copy *monographs* are planned. Two volumes are to be published by the Society of Antiquaries in their research report series; Volume 1 (to press in 1993) will be an account of the *Early Medieval* discoveries and their significance, and Volume 2 (to press 1995) will be an account of the *Prehistoric* discoveries and their significance. The third volume referred to is a commentary on the *7th century* by scholars (from all over Europe) who contributed to the Sutton Hoo Anniversary Seminar. It is to be published by Boydell and Brewer in 1995. A fourth volume (publisher not yet sought) is intended to contain the *methodology* deployed and developed at Sutton Hoo.

Martin Carver

#### PUBLICATIONS ISSUED OR IN PRESS, 1989

- Bethell, P.H. 1989: 'Chemical analysis of shadow burials' in C.A. Roberts, F. Lee and J. Bintliff (eds) *Burial Archaeology, Current Research, Methods and Developments* (BAR British Series 211):205-14
- Bethell, P.H. and Smith, J.U. 1989: 'Trace element analysis of an inhumation from Sutton Hoo, using inductively-coupled plasma emission spectrometry (ICP): an evaluation of the technique applied to analysis of organic residues' *Journal of Archaeological Science* 16:47-55
- Carver, M.O.H. (ed) 1989: *Bulletin of the Sutton Hoo Research Committee* 6
- Carver, M.O.H. 1989 a: 'Kingship and Material Culture in early Anglo-Saxon East Anglia' in S. R. Bassett (ed) *The Origins of Anglo-Saxon Kingdoms* (Leicester UP):141-158
- Carver, M.O.H. 1989 b: 'The New Campaign — New Work and New Ideas' *Saxon* 11:1-3
- Carver, M.O.H. forthcoming (a): 'Pre-Viking Traffic in the North Sea' in S. McGrail (ed) *Maritime Saxons, Frisians and Celts*
- Carver, M.O.H. forthcoming (b): 'Ideology and Allegiance in early East Anglia' (Kalamazoo)
- Carver, M.O.H. forthcoming (c): 'Sutton Hoo' *Blackwell Companion to Anglo-Saxon England*
- Carver, M.O.H. forthcoming (d): 'Princely Burials' *Blackwell Companion to Anglo-Saxon England*
- Carver, M.O.H. forthcoming (e): 'On and off the Edda' *International Journal of Nautical Archaeology*
- Clark, K. 1989: 'Golf Balls, Tomato Canes and Hi-tec at Sutton Hoo' *Saxon* 9:7
- Glazebrook, J. 1989 a: 'A Year in the Life of Sutton Hoo' *Saxon* 9:1-3
- Glazebrook, J. 1989 b: '50 Years of Archaeological Discovery' *Saxon* 10:3
- Keenan, S. 1989: 'A Most Strange Collection' *Saxon* 9:7
- Mundell Mango, M. et al 1989: 'A 6th-century Mediterranean bucket from Bromeswell parish, Suffolk' *Antiquity* 63:295-311

#### ADDITIONS TO ARCHIVE, 1988/9

- Z8/1(54) M.O.H. Carver: *Sutton Hoo Site Procedures* (86 pages 9 figs)
- Z4/2(47) K. Clark: *Resistivity survey of the eastern and southern perimeters (Zones D, F)* (1,800 words 24 figs)
- Z4/2(48) K. Clark: *Magnetic Susceptibility survey in Zone F* (1,000 words 5 figs)
- Z4/2(49) K. Clark: *Magnetic Susceptibility survey in Zone A* (900 words 5 figs)
- Y8 A. Copp: *Early Medieval flat graves in INT 41* (9,100 words 2 figs 10 tables)
- Y8 A.C. Evans: *Mound 5* (5,400 words 37 figs)

#### SUTTON HOO SEMINARS IN 1989

In the anniversary year of the discovery of the Mound 1 ship burial, celebratory seminars were held at Snape, Kalamazoo and York.

The *Snape seminar* was held at Snape Maltings in Suffolk on 22nd April 1989, organised by Sam Newton under the auspices of the University of Cambridge's Department of Extra-mural Studies and the University of East Anglia's Centre for East Anglian Studies. Papers were delivered by Angela Evans (50 years of work at Sutton Hoo), Shirley Carnegie (The Diaries of Basil Brown), Sam Newton (The East Anglian Royal family and Beowulf), William Filmer-Sankey (The Anglo-Saxon cemetery at Snape), Keith Wade (Anglo-Saxon Ipswich) and Robert Carr (Anglo-Saxon Brandon).

Included in the Medieval Academy of America's annual convention at *Kalamazoo*, held between 4th-7th May 1989, were nine 2-hour sessions dedicated to Sutton Hoo and organised by Professor Bob Farrell of Cornell University. A celebratory dinner was held at the Black Swan on 5th May, and contributors included: J.D. Morteller (The Sutton Hoo culture and the composition of Beowulf),



Sandra Glass (Sutton Hoo Kingship and Beowulf Kinship), Leslie Webster (Sutton Hoo in the context of other Royal burials), Richard Bailey (Sutton Hoo: implications for the art and culture of 7th century England), Carol Neuman de Vegvar (The Sutton Hoo drinking horns as Royal regalia), Kelly Wickham-Crowley (The Sutton Hoo Lyre-birds), David Whitehouse (Sutton Hoo: Mediterranean perspectives), Michael Ryan (The Celtic perspective), Alan Stahl (The date of the Sutton Hoo coins), Audrey Engström (Sutton Hoo: the Gothic connection), Nancy Wicker (Swedish-Anglian contacts antedating Sutton Hoo: the testimony of Scandinavian gold bracelets), Robert Farrell (Literature, Archaeology and Anglo-Saxon studies: a nuts and bolts approach), Alan Franzen (Literature, Archaeology and Anglo-Saxon studies: reconstruction and deconstruction), Tom Ohlgren (Religious conversion in the heroic age: meanings, methods and effects), David Wilson (Sutton Hoo) and Martin Carver (Ideology and allegiance in early East Anglia).

These papers are to be published shortly under the editorship of Bob Farrell and Carol Neuman de Vegvar, to whom the thanks of the Sutton Hoo Research Trust are extended for a marvellous and valuable occasion.

At the project's home University of *York*, an invitation seminar was held from 29th September to 1st October 1989, organised by Martin Carver. The event opened on Friday night with a reception, followed by a lecture by the Director and a showing of the BBC's latest Sutton Hoo film. On the Saturday night a celebratory dinner for the 80 participants and their guests was held in the Merchant Adventurers Hall. The President of the Society of Antiquaries and Chairman of the Sutton Hoo Trust, Michael Robbins, delivered a historical account of the project's difficult birth and its subsequent growth on behalf of Professor Christopher Brooke, who unfortunately could not be with us due to illness. During and after the feast the company was entertained by Julian Glover, who gave us his celebrated performance of Beowulf, and transformed the evening from an enjoyable to a magical occasion.

We were delighted to welcome to this seminar many colleagues from abroad, most of them engaged in analogous research to our own. Papers given included: Chris Scull (Structures of power and society in East Anglia), Sam Newton (Beowulf and the East Anglian Royal pedigree), John Newman (Late Roman and Anglo-Saxon settlement patterns around Sutton Hoo), Simon Keynes (Raedwald the Bretwalda), David Dumville (Church, kings and the management of conversion), Jane Stevenson (Christians in 6th and 7th century Southumbria), Heinrich Härke (Anglo-Saxon weapon burial rite: ritual symbolism and social significance), Hilda Ellis Davidson (The symbolism of human sacrifice in burial customs of North West Europe), Jane Roberts (Anglo-Saxon vocabulary as a reflection of material culture), Julian Richards (Anglo-Saxon symbolism), Valerie Fenwick (Symbol of maritime hegemony in the Sutton Hoo ship), Leslie Alcock (Western and Northern Britain in the age of Sutton Hoo), Chris Docherty (Kings and tribes in 7th century Ireland), Michael Ryan (Sutton Hoo and Ireland), Patrick Périn (The undiscovered grave of King Clovis), Ian Wood (Frankish Hegemony in England), John Hines (The Scandinavian character of Anglian England: an update), Bjørn Myhre (The royal cemetery at Borre, Vestfold), Ulf Näsman (The Danes in the 7th century), and Mike Parker-Pearson (Princely burials in Scandinavia at the time of the conversion).

These papers are being collected under the editorship of Martin Carver and are to be published (as a companion volume to the research reports) by Boydell and Brewer.

## PUBLIC LECTURES 1988/9

### BY THE DIRECTOR:

Cornell University (Visual Arts Forum), Kalamazoo University, University of Minnesota, Swedish Institute at Minneapolis, Cleveland Ohio (American Institute of Archaeology Chapter), Durham University Archaeological Society, University of York (Alcuin College, Vanbrugh College); University of Cambridge (Extra-mural Studies), Conference of Computer Applications in Archaeology (York), International Society of Anglo-Saxonists (Durham), Highlights of British Archaeology (York Archaeological Trust/University of Leeds), University of Siena (European intensive course on excavation methodology), Lincoln (Friends of Lincolnshire Archaeology), Oxford (Oxford Committee for Archaeology), Retford and District Archaeological Society, Poppleton Arts Club, Kingston Middle School (Woodbridge), Sutton Hoo Society (Woodbridge).

### BY PROJECT STAFF AND BRITISH MUSEUM CONSULTANT (Angela Evans):

University of Warwick (Department of Continuing Education), University of Cambridge (Extra-mural Studies), University of East Anglia (Centre for East Anglian Studies), Suffolk College (Adult and Continuing Education Unit), Braughing Society, Institution of Highways and Transport (East Anglian Branch), Beccles Society, Colchester Archaeological Group, Rotary Club of Norwich, South East Essex Archaeological Society, Stour Valley Antiquarian Society, Woodbridge Society, Peasenhall (Village Hall Appeal).

## BBC TELEVISION

Three films directed by Ray Sutcliffe ('The Million Pound Grave', 'New Beginnings' and 'The Last of the Pagans') were broadcast by the BBC before 1989, and the fourth film in the series, directed equally by Ray Sutcliffe, was broadcast on BBC 2 on Wednesday 16th August 1989 within the *Chronicle* series.

This film featured the visit of the Duke of Edinburgh (President of the Sutton Hoo Society) in 1987, the excavation of Mound 2 and comparative monuments filmed on location at Borre, Oslo, Kvalsund and Ålesund in Norway. The theme of the film was the mound-builders of incipient kingdoms around the shores of the North Sea, and their possible interactions with each other. Among the highlights was the coverage of the maiden voyage of the *Edda*, (a magnificent replica of the 9th century Oseberg ship), which unfortunately capsized and sank in Herøy fjord during filming. The replica was subsequently located by submarine and salvaged.

The film attracted an audience of 2.75 million and BBC research indicated the best audience reaction ever, at 93%.

## VISITORS TO THE SITE IN 1989

Rupert Bruce-Mitford, Brian Hope-Taylor and John Connelly, Lawrence Barfield, Professor Timothy Runyon (USA), Richard Hughes, Helen Brookes (Suffolk Coastal District Council Chairman), Jennifer Pretty, Professor Lars Larsson, Steven Bassett, Channel 4 News film crew, Rosalind Bowden and Linda James (Cultural Resource Management Ltd), Mike Watson, Scott Michael Lankton (USA); Ian Hodder, Sonia and Christopher Hawkes, Professor Richard Bradley, Mark Brisbane and John Oxley, Penelope Phillips, William Filmer-Sankey and the Snape site team, Sam Newton, Leo Biek, David Dumville, Lesley Abrams and Uaininn O Mheadhra; Dr Nosov and Dr Ovsianikov (USSR), Edward Martin, Andrew Selkirk, Neil Stratford, John Cherry and British Museum staff (Department of Medieval and Later Antiquities), the Society of Antiquaries Fellows, Sutton Hoo Research Trust and Committee, Scole Committee;

Department of Archaeology (University of Cambridge), Birkbeck College (UCL), Felixstowe College, Jesus and Mary School (Ipswich), Association Vacances Linguistiques, Britannia County Primary School (Ipswich), Bedfield School, Clacton School, Colchester 6th Form College, Holywells High School (Ipswich), Abbey School (Woodbridge), Thomas Mills School (Framlingham), Suffolk College Summer School, Farlingaye High School (Woodbridge), Kesgrave High School, Palgrave Primary School (Diss), Bungay Primary School, Bedford Modern School, St Felix School (Southwold), St James Middle School (Bury St Edmunds), Henley County Primary School (Ipswich), Woodbridge School, Gresham School (Holt), USAF Elementary School (Woodbridge);

London and Middlesex Archaeology Society, Caravan Club, Keele University Extra-mural Department, Sidegate Lane Ladies Club, Girls' Brigade, Beccles Society, BAFUNCS, Cambridge Extra-mural Department, Earl Stonham WI, University of Warwick Extra-mural Department, Citisights (London), Clevedon Archaeology Society, Anglia Holiday Games Club, Young Farmers Club, Ipswich Archaeological Trust, Sutton Hoo Society, Nottingham University Adult Education Unit, Ipswich Townswomen's Guild, RAF Lakenheath Ladies Group, USAF Wives Group (Bentwaters), RAF Mildenhall Ladies Group, The English Companions, History Department Heads (Annual Meeting), Aldeburgh Evergreens Club.

## EXCHANGE SCHEMES

Since 1983, when the Sutton Hoo project was initiated as a platform for the development of field method, it has been an objective to exchange ideas at the level of University students and young professionals. From 1988, formal exchange agreements have been established with colleges in Italy, Czechoslovakia and USSR, which we hope will be developed and expanded. These agreements enable visitors from overseas to attend the professional training sessions of the field school.

*Italy:* Our thanks go to Annette Roe and staff and colleagues of the Società Lombarda di Archeologia.

*Czechoslovakia:* Our thanks go to Martin Gojda and staff and colleagues at the University of Prague.

*USSR:* Our thanks go to Professor V Masson and staff and colleagues at the Institute of Archaeology, Soviet Academy of Science, Leningrad.



## PROJECT STAFF AND PARTICIPATION 1988/9

### PROJECT STAFF

Director	Professor Martin Carver (University of York)
Deputy Director/Training	Dr Madeleine Hummler (University of York)
Supervisor/Supervisor INT 48	
British Museum Consultant	Angela Evans (British Museum)
Administrator	Jenny Glazebrook (University of York)
Supervisor (INT 41, 44)	Andrew Copp (University of York)
Photographer	Nigel MacBeth
Post-Excavation Supervisor (to June 1989)	Catherine Royle (University of York)
Finds Supervisor (to Sept 1988)	Kathryn Dowse (University of York)
(from July 1989)	Linda Peacock (University of York)
Environmental Co-ordinator (to July 1989)	Helen Atkinson (University of Stockholm)
(from July 1989: Martin Carver)	
Botanical Analysis (from July 1989)	Dr Robert Scaife
Soil Analysis (from Jan 1988)	Dr Charles French
Leverhulme Project Supervisor	Phil Bethell (University of Birmingham)
Leverhulme Research Assistant	Lorraine Stewart (University of Birmingham)
MSC Supervisor (to March 1989)	Klara Spandl (Suffolk County Council)

### EXCAVATION SEASON STAFF

Assistant Training Supervisor	Annette Roe
Assistant Supervisors	Sarah Calvert, Helen Geake, Jane Gosling, Doug Hawes, Stephen Keenan
Excavators/Recorders	Justin Brown, Kate Clark, Kate McCavana, Luigi Signorelli, Charlotte Taylor, Matthew Wade

### PARTICIPANTS IN 1988:

Lee Banham, Gary Beckett, Suzanne Boteler, Simon Cooke, Stephen Keenan, Barbara Margerum, Peter Routh and Simon Watts (MSC Team); Simon Carter, Patrick Gilks and Paul Symons (The Scout Association); Helen Bailey, Emma Bond, Ian Booker, Simon Carter, Susan Cavill, Paul Dent, Phil Docherty, Richard Essen, Gail Falkingham, Moira Findlay, Lizbeth Frampton, William Frazer, Sarah Frederick, Joanne Greenleaf, Katherine Gallwey, Paula Gentil, Karen Graham, Cynthia Graham-Kerr, Simon Gray, Beth Grundy, Paula Hall, Tim Hedley-Jones, Steven Higgins, Roy Jerromes, Faith Jerromes, Nick Johnson, Paul Johnson, Gavin Kitchingham, David Law, Lindsay Lee, Rebecca Lee, Susan Louttit, Paula McCarroll, Andrew Melvin, Miranda Nicholson, Laurel Nilsen, Catherine Peloe, Clare Pollard, Clare Rees, Rosalind Searle, Toby Simpson, Rhona Skea, Joanne Steen, Andrew Towle, Anne Stewardson, Sonia Taha, Ann Trewick, Paul Waller, Anna West, Rose Williams, Richard Wilson, Steven Wilson.

### PARTICIPANTS IN 1989:

Victor Trifonov (USSR Academy of Science), Tomas Bernhardt, Michal Kostka, Karel Novacek, Michal Wanner (University of Prague); Simonetta Artioli, Giorgio Bernardi, Claudia Bolognini, Vittoria Chizzini, Achillina Granata, Gianpaolo Rodighiero (Società Lombarda di Archeologia); Simon Batchelor, Graham Bruce, Shane Gould, Ricky Knight, Tim Leech, Clare Pagani, Carol Pyrah, Jemma Robinson, Stephen Timms, Andrew Towle (University of York); Luke Adams, Louise Augarde, Ralph Allen, Katie Anderson, Helen Bailey, Sebastian Barfield, Gareth Bartlett, Doug Barton, Karissa Beals, Louise Benton, Emma Bond, Alison Broome, Emma Carver, Anna Champeney, Ricardo Cordoba, Timothy Denison, Deborah Fajerman, Keely Flint, Karen Graham, Walt Hickman, Malin Holst, Rob Hoppa, Zoe Hunter, Roy and Faith Jerromes, Barbara Johnston, Lindsay Lee, Sue Loy, Daphne Lugo, Deborah Mauskopf, Alex Mitlehner, Clive Pearson, Victoria Perry, Simon Pick, Andrew Riley, Glenn Robertson, Tricia Robinson, Tamatha Sasser, Doug Schmidt, Hidetsugu Sekitsuka, Toby Simpson, Anne Stewardson, Miho Tanihata, Tim Taylor, David Travers, Ann Trewick, Anna West, Priscilla West, David Woodward.



## SPONSORSHIP AND EXPENDITURE IN 1988 AND 1989

Grateful acknowledgement and appreciation is due to the following organisations who supported the work of the Trust in 1988-9:

The British Museum, the Society of Antiquaries, the British Broadcasting Corporation, the Scarfe Trust, the Aurelius Trust, Trinity College Cambridge, Gonville and Caius College Cambridge, St John's College Cambridge, the Esmee Fairbairn Charitable Trust, the W A Cadbury Charitable Trust, the Wolfson Foundation, Suffolk County Council, The Leverhulme Trust, Manpower Services Commission, the East Anglian Daily Times, National Westminster Bank (Woodbridge), Norwich Union Insurance Group.

The Trust is also grateful to the following who supported their work in 1988/9 with the loan or gift of equipment in kind:

Bartington Instruments (loan of remote sensing equipment)  
 East Suffolk Health Authority (long-term loan of microscope)  
 J & E Eastwick-Field (gift of photographic processing equipment)  
 F Ingram-Smith Ltd (loan of portacabin)  
 Sutton Hoo Society (gift of marquee, tools, tarpaulin, scaffolding, answerphone, generator, kitchen facilities, contribution towards construction of temporary office building and new access road)  
 Boydell and Brewer Ltd (contribution towards publication of *Bulletins* 5 and 6)  
 Central Electricity Generating Board (gift of large wooden sectional building)

The Trust is grateful to the British Museum for the secondment of Angela Evans during the excavation seasons, and for the services of Simon Dove of the conservation laboratory; to Peter Simkins, Lawrence Baker and Peter Horsfall of Oceanfix International Ltd for carrying out the radar survey of Mounds 6 and 7; to Suffolk County Council and the Committee and members of the Sutton Hoo Society, for their many services to the site and research team.

## SUTTON HOO RESEARCH PROJECT STATEMENT OF EXPENDITURE

<i>Expenditure</i>	1988/9	1989/90
Director	—	—
Project Staff	52,582	48,222
Temporary site team July-September 1988/89	4,143	14,627
Specialist Costs	202	1,000
Computing	1,760	—
Equipment	1,395	1,200
Consumables and office relocation expenses	10,922	7,500
Fundraising and publicity	45	2,600
East Anglian Kingdom Survey	5,800	—
Illustration/typing	—	1,351
Machining	—	1,030
	<hr/> 76,849	<hr/> 78,330
MSC Team staff	22,354	—
Equipment and running costs	575	—
Travel	1,930	—
	<hr/> 24,859	<hr/> —
The Leverhulme Project	21,000	—
<i>Total:</i>	<hr/> 122,708	<hr/> 78,330

## ACKNOWLEDGEMENTS

The Director would particularly like to thank:

Stanley West and Keith Wade of the Suffolk Archaeology Unit for their support and advice, John Newman of the Suffolk Archaeology Unit for his work on the regional survey; Kate Clark of the School of Archaeological Sciences (University of Bradford), for her work on the remote sensing survey; Brendan O'Flaherty of the Department of Archaeology (University of Southampton) and Jeremy Huggett for their work on reprogramming the Database; Ray Sutcliffe and BBC film crews for helpful comment and advice; Peter Berry, for his inventiveness, advice and help on matters of site management; Rosemary Halliday for feeding the site team during the 1988 season, and Lindsay Lee for her continued voluntary help, throughout the year.

The Trust is grateful to Mrs Ann Tranmer and her Trustees for their kind permission to carry out the excavation, and to Mr Peter Waring for permitting investigations in fields surrounding the scheduled area.

## THE SUTTON HOO SOCIETY

THE SUTTON HOO SOCIETY is entering its seventh year, and has been presided over by The Duke of Edinburgh since 1985. The Society has supported the work of the Trust throughout 1988 and 1989 by donating many pieces of equipment to the project, and continues to play a valuable role in presenting Sutton Hoo to the public. Guided tours and access by ferry have been arranged again for 1990. Visits to the site are co-ordinated by the Secretary. Enquiries about membership should be made to the Membership Secretary, c/o NatWest Bank plc, Cumberland Street, Woodbridge, Suffolk IP12 1JD.

The Society's officers during 1989 were as follows:

Chairman	Robert Simper
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