

local mesolithic economy becomes questionable. Doubt must equally be cast on his conclusion that a concentration of mesolithic sites and finds along the present fen edge ecotone reflects deliberate siting of settlements to exploit both upland and fenland resources. The frequency of mesolithic sites in the zone may simply result from their former preservation by peat growth and recent exposure by peat wastage.

Artefacts, the assessment and location of which form the second support on which Tilley's settlement model rests, receive scant attention. Excavated assemblages and surface collections, many of them otherwise unpublished, are summarily described, and stray finds figure on distribution maps, but no objects are illustrated. It is thus almost impossible for the reader to form a clear impression of the material involved or to make an independent assessment of it. A note to the effect that tranchet axes were probably not used as exchange items reads strangely in view of their demonstrable transport from flint to non-flint areas in southern England.

The study would have repaid further work. It should not, however, have been published in its present form, in which considerable powers of imagination, synthesis and argument are applied to ill-assimilated information.

Frances Healy
September 1983

SPECIAL FEATURE

LITHICS AND COMPUTERS: TOWARDS A STANDARD QUESTION LIST

by Elizabeth Healey and Jonathan Catton

Introduction

The listing which follows is a revised version of the Question Source File (hereafter QSF) used in the preliminary analysis of the Mucking, Essex, flint assemblage. The Lithic Studies Society is considering a recommendation to the DOE /Commission on Historic Buildings and Monuments that a substantially similar method become normal for the proper study of lithic assemblages, though we would wish to avoid a situation where methods of analysis become straight-jacketed and where further refinement is precluded. It is suggested that the Mucking QSF, which

is flexible, could form the basis for further discussion and it is, therefore, being circulated to members of the Society and to other interested parties for comment before any submission is made. The revised document would also be included in the proposed "Guidelines" on lithic assemblages, currently being prepared by the Society.

The source file and other computing information

The QSF has been drawn up by Jonathan Catton from information supplied by Elizabeth Healey, to cope with the analysis of over 20,000 pieces of flint found in a wide variety of contexts at Mucking. Full details of the computing methods used can be found in Catton *et al* (1981).

The flint question list has been designed to be as flexible as possible, so that it can be expanded or contracted as future circumstances dictate or other assemblages require. Apart from questions requiring numerical answers, keywords (which are very quickly memorised) are used in the answers. The code letter beneath the question number indicates the type of answer acceptable for that particular question. Thus questions signalled K (Keyword) require a single answer; those with M may have more than one answer; those with N require a numerical answer; those with T (Text) allow free comment (though these comments cannot be used in statistical analysis). The answer type can be altered in later editions if required. Although the question list appears long, it is not in fact complicated to use, because the answers to questions presented by the computer (or pro forma) can lead to the by-passing of subsequent questions which are irrelevant for a particular artefact type. This is summarized in the diagrammatic view of the structure at the beginning of the QSF.

In so far as manipulation of data is concerned, it is possible to compare any variable with any other variable. Retrieval systems include programmes for totals and percentages, pie charts, histograms, graphs, digital plotting, etc. Other programmes covering specific problems and more refined statistical tests are in preparation.

Archaeological considerations

The variables selected for recording have been arrived at from experience rather than theory (after examination of many thousands of lithic artefacts from a variety of archaeological and geographical contexts over a number of years), as well as from the study of experimental knapping. The selection of variables has not been determined by traditional typologies.

It is to be hoped that the list of questions is reasonably comprehensive (though it excludes functional analysis), but at the same time it must be remembered that it has been designed to answer 'Mucking-specific' questions. This is especially true of questions of identification and raw material. However, in practice this need not present any major difficulties since the QSF is flexible: questions can be altered or expanded or contracted as circumstances demand and the type of answer (K, M, N, T) altered if necessary.

Acknowledgements

Numerous people have contributed, wittingly and unwittingly, to the compilation of the QSF and we are very grateful to them. In particular we would like to thank Dr Mark Newcomer, who discussed the embryonic idea of such an approach as early as 1971 and has been helpful ever since; Caroline Wickham-Jones, who has patiently discussed and demonstrated knapping variables and classification theory and methods; Dr Stephen Green and Dr Frances Healy, who have discussed several aspects; Dr Ian Graham and Jonathan Moffett, who have advised on the computing side; Alan Saville, who has bravely encouraged the publication of the QSF in its interim state; Margaret Jones (director of the Mucking excavations), who has generously allowed her material to be used; and Ann Clark, who has been encouraging throughout and has arranged for the agreement of the Department of the Environment to the publication of the QSF at a preliminary stage. The QSF remains subject to Crown Copyright.

Proposals

We would be pleased to receive comments and criticisms on all aspects of the proposals, so that the Society can formulate its recommendations. The Society is anxious that as wide a spectrum of opinion as possible should be consulted; please do not hesitate to submit your own views. These should be sent to Elizabeth Healey as soon as possible and preferably before the end of April.

Consideration and discussion of the QSF may be hampered by the use of idiosyncratic terminology, expressions, and approaches, as well as by the absence of detailed definitions. The latter could not be included here for various reasons, but are available on request from either of the authors.

Elizabeth Healey
Lynthorpe
23 Crossgate
DURHAM DH1 4PS
Tel.: Durham (0385)42997

Jonathan Catton
Mucking Post-Excavation
Thurrock Museum (6th floor)
Orsett Road
GRAYS, Essex RM17 5DX

REFERENCE

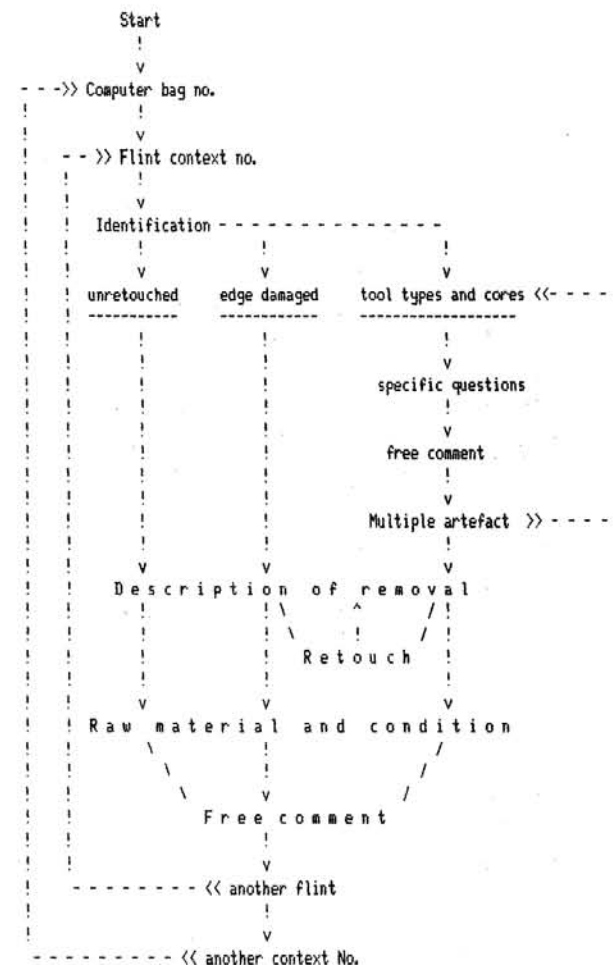
Catton, J.P.J., Jones, M.U., and Moffett, J.C. 1981. The 1965-1978 Mucking Excavation Computer Database. In I. Graham and E. Webb (eds.), Computer Appl Archaeol 1981, 36-43. Inst Archaeol Univ London.

Amendments to the following list

- 05 Insert question NO - None of these
- 06 Questions A-H refer to both tang and barbs
- 23 Delete ACT and OBT. Insert EAA - Edge angle too acute
- 71 Insert STP - Stepped flaking and SER - Serial flaking

Mucking, Essex. Flint computer question source file.

Simple view of Flint question source file structure



Provisional listings 20-02-84

01: Computer bag number

N

02: Flint context number

N

03: Identification

K DUB - Dubious identification (GOTO 03)
 UNR - Unretouched (GOTO 45)
 EDD - Edge damage (GOTO 45)
 AHX - Arrowhead uncertain type (GOTO 43)
 LEF - Arrowhead leaf shaped type (GOTO 04)
 B+T - Arrowhead Barbed and Tanged type (GOTO 06)
 TRA - Arrowhead Transverse type (GOTO 10)
 TRI - Arrowhead Triangular type (GOTO 39)
 AXE - Axe Ground and Polished type (GOTO 11)
 AXN - Axe Not ground type (GOTO 11)
 TAX - Axe Tranchet type (GOTO 11)
 BP - Piece Backed type (GOTO 43)
 NTP - Piece Notched type (GOTO 15)
 TP - Piece Tanged type (GOTO 43)
 SP - Piece Shouldered type (GOTO 43)
 TRB - Blade Truncated uncertain type (GOTO 43)
 TRT - Blade Truncated transverse unctype (GOTO 43)
 TRQ - Blade Trunc/Trans oblique type (GOTO 43)
 TRS - Blade Trunc/Trans straight type (GOTO 43)
 TRC - Blade Trunc/Trans convex type (GOTO 43)
 BU - Burin uncertain type (GOTO 43)
 BOB - Burin on break type (GOTO 43)
 BTR - Burin truncation type (GOTO 43)
 BDH - Burin dihedral type (GOTO 43)
 BSP - Burin spall type (GOTO 43)
 BKN - Knife Backed type (GOTO 43)
 KNX - Knife uncertain type (GOTO 43)
 ERK - Knife Edge retouched type (GOTO 43)
 PCX - Knife Plano-convex type (GOTO 43)
 EPK - Knife Edge polished type (GOTO 43)
 DSK - Knife Discoidal type (GOTO 43)
 CH - Chopper (GOTO 43)
 CHT - Chopping tool (GOTO 43)
 CHI - Chisel (GOTO 43)
 COR - Core (GOTO 19)
 DA - Dagger (GOTO 43)
 DEN - Denticulate (GOTO 43)
 FAB - Fabricator (GOTO 43)
 HS - Hammerstone (GOTO 28)
 LL - Laurel leaf (GOTO 43)
 MIC - Microlith (GOTO 43)
 MBU - Microlith manufacturing debris (GOTO 17)
 PTS - Points 'awls/piercers' uncertain (GOTO 43)
 PMF - Point Meche de foret (GOTO 43)
 PCR - Point convergent retouch (GOTO 43)
 PSR - Point short minimal retouch (GOTO 43)
 PSH - Point short heavy retouch (GOTO 43)
 PEE - Point elab retouch elongated (GOTO 43)
 PLE - Point light retouch elongated (GOTO 43)

PSI - Point spurred implement (GOTO 43)
 PHB - Points on heavy blanks (GOTO 43)
 AML - Point awl (GOTO 43)
 ROD - Rod (GOTO 43)
 SAW - Saw (GOTO 43)
 SC - Scraper (GOTO 32)
 SCC - Scraper Concave (GOTO 32)
 SER - Serrated flake (GOTO 37)
 SHI - Shaft hole implement (GOTO 43)
 WST - Waisted tool (GOTO 43)
 O - Other type of identification (GOTO 43)
 RET - Retouched otherwise unidentifiable (GOTO 45)

C Specific tool or core questions

04: Type of Leaf shaped arrowhead

K 1? - 1 ABC Green 1980
 2? - 2 ABC " "
 3? - 3 ABC " "
 4? - 4 ABC " "
 O - Other type Free comment (GOTO 83)
 UNC - Uncertain no attempt at identification
 DUB - Dubious attempt identification (GOTO 04)

05: Is Leaf shaped arrowhead Kite shaped / Ogival / Polished

K KSH - Kite shaped (GOTO 39)
 OGv - Ogival (GOTO 39)
 POL - Polished (GOTO 39)
 O - Other identification free comment (GOTO 84)
 UNC - Uncertain no attempt at identification (GOTO 39)
 DUB - Dubious attempt identification (GOTO 05)

06: Tang and barb shapes

M A - Green 1980
 B - " "
 C - " "
 D - " "
 E - " "
 F - " "
 G - " "
 H - " "
 BYA - Ballyclare A
 BYB - " B
 BYC - " C
 SNA - Sutton A
 SNB - " B
 SNC - " C
 CYH - Conygar Hill type
 GL - Green Low type
 KIL - Kilmarnock type
 O - Other identification free comment (GOTO 85)
 UNC - Uncertain no attempt at identification
 DUB - Dubious attempt identification (GOTO 06)
 N - No more (GOTO 07)

07: Breadth of Tang in mms

N

08: Barb length in mms

N

09: Tang length in mms

N (GOTO 39)

- 10: Transverse arrowhead identification
 K PTT - Petit tranchets (GOTO 39)
 CHE - Chisel ended (GOTO 39)
 OBL - Oblique type (GOTO 39)
 ORF - Oblique ripple flaked (GOTO 39)
 OBR - Oblique British type (GOTO 39)
 OIR - Oblique Irish type (GOTO 39)
 O - Other identification free comment (GOTO 86)
 UNC - Uncertain no attempt at identification (GOTO 39)
 DUB - Dubious attempt identification (GOTO 10)
- 11: Axe shape of Cutting edge / side / butt
 N CST - Straight cutting edge
 CCX - Convex " "
 CAS - Asymmetric " "
 CRG - Cutting edge re-ground
 CIR - Irregular " "
 BTH - Thinned butt
 SST - Straight side
 STP - Tapered side
 SWS - Waisted side
 O - Other identification free comment (GOTO 87)
 EGX - Edge Uncertain no attempt at further identification
 SDX - Side " "
 BTX - Butt " "
 TS1 - Tranchet scar one face
 TS2 - Tranchet scar two faces
 DUB - Dubious attempt identification
 N - No more (GOTO 12)
- 12: Axe Transverse section shape
 K TSO - Oval
 TPO - Pointed oval
 TSQ - Squared sides
 O - Other identification free comment (GOTO 88)
 UNC - Uncertain no attempt at identification
 DUB - Dubious attempt identification (GOTO 12)
- 13: Evidence of Hafting
 K HFT - Hafting
 O - Other identification free comment (GOTO 89)
 UNC - Uncertain no attempt at identification
 DUB - Dubious attempt identification (GOTO 13)
 N - No evidence
- 14: Amount remaining
 K CPE - Complete (GOTO 39)
 BBT - Broken butt (GOTO 39)
 BBL - Broken blade (GOTO 39)
 BMD - Broken middle (GOTO 39)
 FFR - Flake from axe (GOTO 39)
 BKX - Broken uncertain part (GOTO 39)
- 15: Width of notch in mm
 N
- 16: Depth of notch in mm
 N (GOTO 43)
- 17: Where is notch on micro-burin
 K BRN - Butt right hand notch
 BLN - Butt left hand notch

- TRN - Tip right hand notch
 TLN - Tip left hand notch
 O - Other identification free comment (GOTO 90)
 UNC - Uncertain no attempt at identification
 DUB - Dubious attempt identification (GOTO 17)
- 18: Further type of micro burin
 K DMB - Double micro burin (GOTO 43)
 KMB - Krukowski micro burin (GOTO 43)
 USM - Un-snapped micro burin (GOTO 43)
 O - Other identification free comment (GOTO 91)
 UNC - Uncertain no attempt at identification (GOTO 43)
 DUB - Dubious attempt identification (GOTO 18)
- 19: Number and relationship of striking platforms on core
 K 1PAR - 1 platform removed all way round = Clark A1
 1PPR - 1 " " part way round = Clark A2
 2PP - 2 " parallel = Clark B1
 2P10 - 2 " 1 at oblique angle = Clark B2
 2PRA - 2 " at right angles orthogonal = Clark B3
 3+RF - 3+ " regularly flaked = Clark C
 3+IR - 3+ " irregular
 3+GL - 3+ " globular
 DIS - Discoidal
 SDS - Sub discoidal
 PTSF - Platforms truncated by subsequent flaking
 O - Other identification free comment (GOTO 92)
 UNC - Uncertain no attempt at identification
 DUB - Dubious attempt identification (GOTO 19)
- 20: Type of striking platform
 K CXA - Cortex all
 CXP - Cortex part
 FKS - Flake scar
 2FS - Two flake scars
 FAC! - Facetted + Number
 CFC - Core face
 TMS - Thermal scar
 KD! - Keel edges Clark D/E
 O - Other identification free comment (GOTO 93)
 UNC - Uncertain no attempt at identification
 DUB - Dubious attempt identification (GOTO 20)
 N - No more (GOTO 23)
- 21: Type of removal from core
 K PTF - Platform (GOTO 21)
 FLK - Flake
 BLD - Blade
 BLF - Blade-like flake
 B/F - Blades and flakes
 O - Other identification free comment (GOTO 94)
 UNC - Uncertain no attempt at identification
 DUB - Dubious attempt identification (GOTO 21)
 N - No more (GOTO 20)
- 22: No of flakes removed from each platform
 N (GOTO 21)
- 23: Evidence of rejuvenation/ edge trimming / reasons for discard
 M REJ - Rejuvenated free comment (GOTO 95)
 THG - Trimming on edge
 CTS - Core too small
 EAO - Edge angle too obtuse

- ACT - Acute
 OBT - Obtuse
 BAT - Battered
 FLW - Flawed
 NAR - No apparent reason
 N - None or No more (GOTO 24)
 O - Other identification free comment (GOTO 95)
 UNC - Uncertain no attempt at identification
 DUB - Dubious attempt identification (GOTO 23)
- 24: Max Dimensions along flaking axis in mms
 N
- 25: Size of longest scar
 N
- 26: Maximum size of nodule
 N
- 27: Amount of nodule flaked
 K 1FC - one face (GOTO 42)
 1FS - one face and side (GOTO 42)
 2FS - two faces and side (GOTO 42)
 ALL - All faces (GOTO 42)
 O - Other identification free comment (GOTO 96)
 UNC - Uncertain no attempt at identification (GOTO 42)
 DUB - Dubious attempt identification (GOTO 27)
- 28: Max circumference of hammerstone in mms
 N
- 29: Extent of abrasion by %
 R (1,100)
- 30: Position of abrasion
 K 1ED - One end
 BED - Both ends
 MED - Medial
 AOV - All over
 UNC - Uncertain
- 31: Shape of hammerstone
 M NOD - Nodule
 COR - Core
 SPH - Spherical
 PHS - Prepared HS
 FRG - Fragmentary
 FHS - Flake from HS
 O - Other identification free comment (GOTO 97)
 UNC - Uncertain no attempt at identification (GOTO 39)
 DUB - Dubious attempt identification
 N - No more (GOTO 39)
- 32: Type of scraper
 K EDS - End single type
 EDD - End double type
 EDX - End extended
 SDE - Side type
 E/S - End and side type
 DSC - Disc type
 OBF - On broken flake
 OTF - On thermal flake
 O - Other identification free comment (GOTO 98)

- UNC - Uncertain no attempt at identification
 DUB - Dubious attempt identification (GOTO 32)
- 33: Width of retouched edge in mms
 N
- 34: Length of retouched edge in mms
 N
- 35: Depth of retouched edge in mms
 N
- 36: Specific conditions on scraper
 M AER - Additional edge retouch
 SEU - Scraper edge undercut
 W/S - Worn smooth
 PB - Prepared base
 DUB - Dubious attempt identification
 O - Other identification free comment (GOTO 99)
 N - No more (GOTO 43)
- 37: Specific conditions on serrated flake
 M GLS - Gloss on edge
 ROE - Retouch on end
 RES - Retouch on ends
 BAK - Backing
 DUB - Dubious attempt identification
 O - Other identification free comment (GOTO A1)
 N - No more (GOTO 38)
- 38: Number of teeth per cm
 N (GOTO 43)
- 39: length in mms
 N
- 40: Breadth in mms
 N
- 41: Thickness in mms
 N
- 42: Weight in grams
 N
- 43: Free comment on this identification
 T
- 44: Is this a multiple tool
 K MTP - Multiple tool (GOTO 03)
 N - No (GOTO 45)
- C Removal section
- 45: Is this made on Removal / Core / Thermal Fragment
 K REM - Removal
 COR - Core
 TFR - Thermal fragment
 O - Other identification free comment (GOTO A2)
 UNC - Uncertain no attempt at identification
 DUB - Dubious attempt identification (GOTO 45)
 N - Not applicable in this section (GOTO 72)

46: Is this Unretouched / Utilised / Retouched / Ground / Accidental

K UNR - Unretouched
 WS - Worn smooth (GOTO 64)
 USP - Utilised sporadic = Smith 1965 class B (GOTO 64)
 URS - Regular squalling Smith 1965 cls. A bevelled edge (GOTO 64)
 RET - Retouched (GOTO 64)
 ACD - Accidental damage (GOTO 64)
 G/P - Ground and Polished (GOTO 64)
 O - Other identification free comment (GOTO A3)
 UNC - Uncertain no attempt at identification
 DUB - Dubious attempt identification (GOTO 46)
 N - No more (GOTO 47)

47: Is this artefact complete / broken

K COM - Complete
 DST - Distal
 MED - Medial
 BUT - Butt
 D+M - Distal and medial
 M+B - Medial and butt
 UNC - Uncertain no attempt at identification
 DUB - Dubious attempt identification (GOTO 47)

48: Length dimension in mms

N

49: Breadth dimension in mms

N

50: Thickness dimensions in mms

N

51: Type of removal

K FLK - Flake
 BLD - Blade
 BLF - Blade like flake
 IFB - Indeterminate flake or blade
 SPL - Spall
 CHP - Chip
 CHK - Chunk
 TFX - Trimming flake
 PFK - Preparation flake
 RFT - Rejuvenation flake tablet type
 RFE - Rejuvenation flake edge type
 RFO - Rejuvenation flake other type
 RSF - Rejuvenation step fracture
 CBL - Crested blade
 OPS - Outre passe'
 O - Other identification free comment (GOTO A4)
 UNC - Uncertain no attempt at identification
 DUB - Dubious attempt identification (GOTO 51)

52: Gingell and Harding type

K GH1A - Type Ia
 GH1B - Type Ib
 GH2 - Type II
 GH3 - Type III
 O - Other identification free comment (GOTO A5)
 UNC - Uncertain no attempt at identification
 DUB - Dubious attempt identification (GOTO 52)
 INC - Incomplete

53: Type of Striking platform on removal

M CXA - Cortex all
 CXP - Cortex part
 PLN - Plain
 TNG - Trimming
 DIH - Dihedral 2 scars
 FAC - Facetted
 A/R - Abraded / Rubbed
 LIN - Linear
 SHT - Shattered
 PUC - Punctiform
 CRF - Core face
 O - Other identification Free comment (GOTO A6)
 UNC - Uncertain no attempt at identification
 DUB - Dubious attempt identification (GOTO 53)
 N - Not applicable if butt not present (GOTO 59)

54: Length of Striking platform in mms

N

55: Breadth of Striking platform in mms

N

56: Platform type

K PVF - Platform to ventral face
 PDF - Platform to dorsal face
 LED - Lipped edge (GOTO 58)
 SHT - Shattered and not recordable (GOTO 58)
 O - Other identification free comment (GOTO A7)
 UNC - Uncertain no attempt of identification (GOTO 58)
 DUB - Dubious attempt identification (GOTO 56)
 N - No (GOTO 58)

57: Angle of platform in degrees

N (GOTO 56)

58: Is Bulb Prominent / Diffuse

K PRM - Prominent
 DFS - Diffuse
 UNC - Uncertain or not observable

59: Flake terminations and section shapes

M HNG - Hinged
 FET - Feathered
 THK - Thick
 NOR - Normal
 BRK - Broken
 TRI - Triangular
 TPZ - Trapezoidal
 IRR - Irregular
 ITZ - Irregular trapezoidal
 ITR - Irregular triangular
 STR - Straight
 CCV - Concave
 CVX - Convex
 SSH - S shaped
 NOS - Not observable
 O - Other identification Free Comment (GOTO A8)
 UNC - Uncertain no attempt at identification
 DUB - Dubious attempt identification (GOTO 59)
 N - No more (GOTO 60)

60: Direction of flaking

K SDR - Same direction

OPP - Opposite 180
 RA - Right angled
 AA - Acute angle
 OB - Obtuse angle
 MDR - Multi-directional
 UNC - Uncertain no attempt at identification
 DUB - Dubious attempt identification (GOTO 60)
 N - No more (GOTO 62)

61: Number of scars on dorsal face
 N (GOTO 60)

62: Rejoin computer bag number and context number ie 435.23
 N

63: Rejoining evidence
 K REJ - Rejoins (GOTO 62)
 N - No evidence of rejoin (GOTO 72)

C Retouch section

64: Position of Retouch/ grinding / edge wear

K END - End (GOTO 65)
 SDE - Side (GOTO 65)
 DST - Distal (GOTO 65)
 PRX - Proximal (GOTO 65)
 MES - Mesial (GOTO 65)
 LFT - Left (GOTO 65)
 RGT - Right (GOTO 65)
 O - Other identification free comment (GOTO A9)
 UNC - Uncertain (GOTO 65)
 DUB - Dubious (GOTO 64)
 N - No more (GOTO 66)

65: Length of retouch in mms
 N (GOTO 64)

66: Type of Retouch

K DRT - Direct
 INV - Inverse
 ALT - Alternate
 ALG - Alternating
 BIF - Bifacial
 CRS - Crossed retouch on an anvil
 SPR - Stepped retouch
 TCX - Through cortex
 O - Other identification free comment (GOTO B1)
 UNC - Uncertain no attempt at identification
 DUB - Dubious (GOTO 66)
 CNT - Continuous
 D/S - Discontinuous / sporadic
 PRT - Partial

67: Extent of retouch

K SII - Semi invasive
 INV - Invasive
 ALO - All over
 O - Other identification free comment (GOTO B2)
 UNC - Uncertain no attempt at identification
 DUB - Dubious attempt identification (GOTO 67)

68: Shape of Retouched edge
 K STR - Straight

CON - Concave
 CVX - Convex
 NOT - Notched
 DEN - Denticulated
 NSD - Nosed
 TGD - Tanged
 TOD - Tongued
 REG - Regular
 IRR - Irregular
 O - Other identification free comment (GOTO B3)
 UNC - Uncertain no attempt at identification
 DUB - Dubious attempt identification (GOTO 68)

69: Angle of retouched edge

K ABR - Abrupt 80/90
 SAA - Semi abrupt 65/80
 SAB - Shallow <45
 UNC - Uncertain no attempt at identification
 DUB - Dubious attempt identification (GOTO 69)

70: Depth of retouch in mms

N

71: Morphology of retouch

K SCD - Scaled (GOTO 46)
 SCA - Scalar (GOTO 46)
 SBP - Sub parallel (GOTO 46)
 PAR - Parallel ripple flaking (GOTO 46)
 CON - Convergent (GOTO 46)
 SCV - Semi convergent (GOTO 46)
 O - Other identification free comment (GOTO B4)
 UNC - Uncertain no attempt at identification (GOTO 46)
 DUB - Dubious attempt identification (GOTO 71)

C Raw material and condition section

72: Colour of flint

M DRK - Dark
 MED - Medium
 L/P - Light/pale
 G/B - Grey/Black
 BRN - Brown
 YLW - Yellow
 WHT - White
 BHD - Bull Head
 MTD - Mottled
 TLO - Translucent / Opaque
 INC - Inclusions
 O - Other identification free comment (GOTO B5)
 DUB - Dubious attempt identification (GOTO 72)
 N - No more (GOTO 73)

73: Condition and type of cortex

K FRH - Fresh
 W/R - Weathered/rolled
 THK - Thick
 THN - Thin
 STD - Stained
 O - Other identification free comment (GOTO B6)
 UNC - Uncertain no attempt at identification
 DUB - Dubious attempt identification (GOTO 73)

74: Position of cortex

K DST - Distal
 PRX - Proximal
 LFT - Left
 RGT - Right
 CEN - Central
 O - Other identification free comment (GOTO B7)
 UNC - Uncertain no attempt at identification
 DUB - Dubious attempt identification (GOTO 74)

75: Amount of Cortex in %
 N

76: General condition of object
 M URD - Unrolled
 R/A - Rolled / abraded
 GLS - Gloss sand or wind
 PTN - Patina
 THM - Thermal scars
 MEC - Mechanical scars
 PDD - Post depositional damage
 STD - Stained
 O - Other identification free comment (GOTO B8)
 UNC - Uncertain no attempt at identification
 DUB - Dubious attempt identification
 N - No more (GOTO 76)

77: Breakage
 K CMP - Complete
 BBE - Broken butt end
 BDE - Broken distal end
 BMD - Broken middle
 O - Other identification free comment (GOTO B9)
 UNC - Uncertain no attempt at identification
 DUB - Dubious attempt identification (GOTO 77)

78: Cortication
 K NCT - No cortication present
 PFL - Pre flaking
 PSW - Post working
 2PH - Two phase
 O - Other identification free comment (GOTO C1)
 UNC - Uncertain no attempt at identification
 DUB - Dubious attempt identification (GOTO 78)

79: Degree of Cortication
 K HVT - Heavy
 LGT - Light
 OSM - Other surface modification
 O - Other identification free comment (GOTO C2)
 UNC - Uncertain no attempt at identification
 DUB - Dubious attempt identification (GOTO 79)

80: Burning
 K HCL - Heavily calcined
 SLC - Slight cracking
 DHT - Deliberate heat treatment
 O - Other identification free comment (GOTO C3)
 UNC - Uncertain no attempt at identification
 DUB - Dubious attempt identification (GOTO 80)

81: Free comment on this flint
 T

82: Is there another flint in this context
 Z (IF YES GOTO 02
 IF NO GOTO 01)

C Free comment section

83: Other type of leaf shaped arrowhead
 T (GOTO 05)

84: Other specific shape of leaf shaped arrowhead
 T (GOTO 06)

85: Other type of barbed and tanged arrowhead
 T (GOTO 07)

86: Other type of transverse arrowhead
 T (GOTO 39)

87: Other type of axe edge / side / butt
 T (GOTO 11)

88: Other type of axe transverse section shape
 T (GOTO 13)

89: Other evidence of hafting
 T (GOTO 14)

90: Other type of notch position on micro burin
 T (GOTO 18)

91: Other type of micro burin
 T (GOTO 43)

92: Other relationship of striking platform on core
 T (GOTO 20)

94: Other type of removal from core
 T (GOTO 22)

93: Other type of striking platform
 T (GOTO 21)

95: Other type of rejuvenation
 T (GOTO 23)

96: Other amount of nodule flaked
 T (GOTO 42)

97: Other shape of hammerstone
 T (GOTO 31)

98: Other type of scraper
 T (GOTO 33)

99: Other condition on scraper
 T (GOTO 36)

A1: Other condition on serrated flake
 T (GOTO 37)

A2: Other removal/core/thermal frag
 T (GOTO 46)

A3: Other utilised / retouched / ground / accidental
T (GOTO 47)

.

A4: Other type of removal
T (GOTO 52)

.

A5: Other type of Gingell + Harding type
T (GOTO 53)

.

A6: Other type of striking platform on removal
T (GOTO 53)

.

A7: Other type of platform
T (GOTO 58)

.

A8: Other type of scarring pattern on dorsal face
T (GOTO 59)

.

A9: Other position of retouch / grinding / wear
T (GOTO 64)

.

B1: Other type of retouch
T (GOTO 67)

.

B2: Other extent of retouch
T (GOTO 68)

.

B3: Other shape of retouched edge
T (GOTO 69)

.

B4: Other morphology of retouch
T (GOTO 46)

.

B5: Other colour of flint
T (GOTO 72)

.

B6: Other condition of cortex
T (GOTO 74)

.

B7: Other position of cortex
T (GOTO 75)

.

B8: Other general conditions
T (GOTO 76)

.

B9: Other type of breakage
T (GOTO 78)

.

C1: Other type of cortication
T (GOTO 79)

.

C2: Other type of degree of cortication
T (GOTO 80)

.

C3: Other type of burning
T (GOTO 81)

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End of flint question source file

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RECENT PUBLICATIONS RELEVANT TO LITHIC STUDIES

The listings in this issue are restricted to Britain and Ireland, mainly for reasons of space, but also because of a poor response to the appeal for information on foreign publications. (An alternative suggestion has been that we might feature review articles of the most important recent literature on lithics in individual countries - are there any research students working on relevant theses willing to undertake this?). Once again I am grateful for help in the compilation of this listing to Stephen Green, Frances Healy, Mike Pitts, and Caroline Wickham-Jones.

BRITAIN AND IRELAND: REGIONAL STUDIES

1. SOUTH AND SOUTH-WEST ENGLAND

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- Cook, J. 1982. Traces of early man, 600000-50000 BC. In M.A. Aston and I.C.G. Burrow (eds.), The archaeology of Somerset: a review to 1500 AD, 4-9. Somerset County Council.
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- Huxtable, J. and Jacobi, R.M. 1982. Thermoluminescence dating of burned flints from a British mesolithic site: Longmoor Inclosure, East Hampshire. Archaeometry 24.2, 164-169.
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