

AGS
Med. feature: 622
Well 640 622
fill content: 488

639 637
529 487
488
456
480

horncore R

Right

488

skull both

1+

max

L

mand

R

L

teeth

"

scap (neck)

R

L

hum d

proximal

L shaft

distal

R p

s

ra d

d

L p

s

ul prox R

L

R p

acet.

isch.

pubis

L v

isch

R pb

p

R s

fem d

position of mala

for Walter

p 280.

patella

R p

tib d

L s

d

hyoid

Cattle.

440	397	259	337	628	484	528	486	567	370
457	495	235	314	319	462	509	381	566	122
488	396	220	302	317	454				116
456	498	318		- early 13k	431				
480				base.					
				imm. calf					
				tropon					

sq. squ. mal nas ecu nas pre

sq. o fo o i

calf ich i k

6 3 8 8 3 2 + 71

12

ch calf

ch F ep calf

ch F ep

1 4 2 1 5 2 4

7 17

9

15

18

1 (u)

45

9

34

5

4

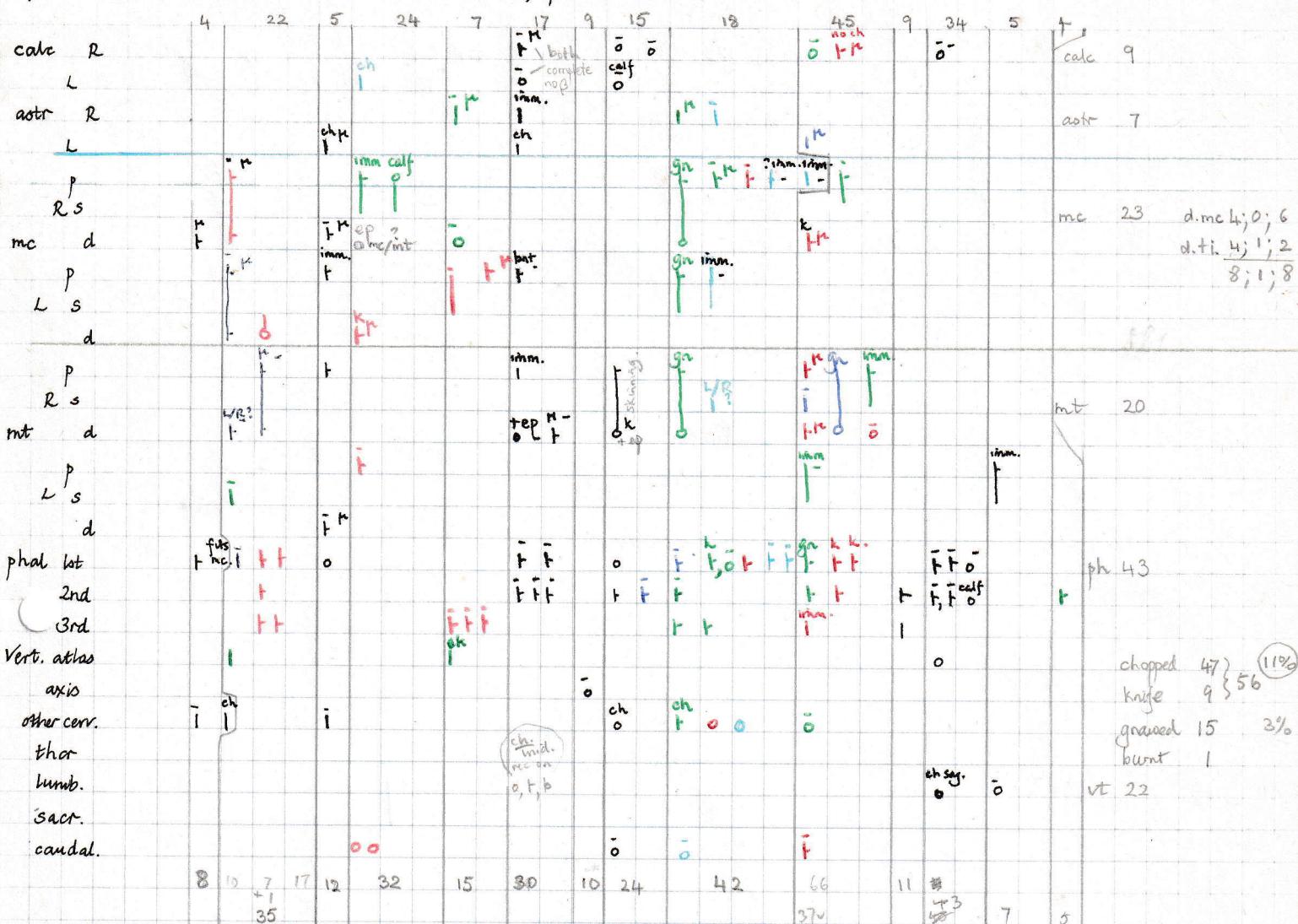
AGS01

- 488 sk both max, pal; see age page; two halves of palate unf.
also, basal part of cranium, presumed part of same skull.
- 487 sk fairly old, fl' flat wear, but pal. bone only partly fused to max, and the top
max are not fused together on the palate.
- 488 fe prox epiph only. The bone around the fovea is rough and irregular in an area c. 27×19 .
- 469 hc ?path. There is a band 1-2 cm wide extending round the horn core near the base which
has a more open texture and is not as thick as the rest of the core -
? nutritional during growth (after $8\frac{1}{2}$ cm had grown normally, & well before
death, because the hc base is again normal).
- 302 fe path just the least part of the head of a femur. An area 28×8 shows polish,
one end of this area also bearing pit marks characteristic of osteoarthritis,
although there is no grooving or extra growth of bone.
- 381 sk. masses of fr., mostly old breaks. min 4 (R squ. = curve of temporal condyle).
11 pieces on zone, 22 fr.
- 680 small pieces, mostly old breaks, probably mostly cattle, though
some are certainly horse. Discard. - on unit.

AGS02

Ags

Cattle, p.2.



Fragments

hc	1				5	1				1	hc	7	
sk	1	1			4	1	2	2	5	22	sk	38	
mx						2	2	2	9		-		
md	1	1	ch	rc					2		md	31	
"									3				
t	1						1	1	1	2	t	6	
sc							1	1	1	1	sc	14	
hu							1	1	1	1	hu	7	
ra		ch	large	1							rad	13	
ul	488		d. section.								ul		
pe	1	gn?	path	1x							pe	8	
fe											fe	17	
ti											ti	10	
cpl											cpls	8	
tarsal													
mc											mc	10	
mt											mt	10	
mp											mp	4	
ph													
atlas/axis	3	8+1	1	8	13	12	7	18	26	88	9	34	3
	11	44	13	40	28	42	17	42	68	104	20	77	10

Ags 03

Minimum number
of individuals.2 (adult)
+ (unif.)

4 (prox R + Tib) +

2 (calf, rot)

3 (calf, 2 rot)

3 (calf, 2 rot)

4 - 3 hum + calf

2 calf, ul/r/a/fold

2 (100) + 302
2 (calf, matra)

6 calf, 5 bone

2 (318) + 392
2 (calf, matra)

5 calf, 4 mc

4 joints

2 - teeth

15 + 4 hct + calf =

528 436 567

2 - teeth

(116) 2 (teeth) x 108

Blank

04

Cattle Jaws & teeth

(toose teeth)

0 = no wear, not Annie's wear stage 0

max 2 upper t in pencil.

feature LH I_{1,2} 3 4 P_{2,3} 3 4 M_{1,2} 3 P_{3,4} p.d. Stage.

Hann

Loose teeth

i (m_{1,2}) (m₃)

I P_{2,3} P₄

M₁

or

M₃

L R 2

L R

feature	LH	I _{1,2}	3	4	P _{2,3}	3	4	M _{1,2}	3	P _{3,4}	p.d.	Stage.	Hann	Loose teeth	Stage.	Stage.
622	488	LDR	w w w	w w w	>	>	>	g	✓	no		5-				
622	487	R	\ \ \ \ \ \	\ \ \ \ \ \	>	>	\	✓	no	{		6-	L P ⁴ missing or lost ante mortem. The alveolus is filled with bone.			
"	"	L	\ \ lost d. ^o	\ \ lost d. ^o	>	>	>	✓	maybe							
"	456															
639:	462															
637:	480															
"	458	R	\ \ \ \ \ \	(a) (w) (b)	? ^{1/2}							5(6)				
"	458	R?	man more	(w) (w) (w)	tooth wear	\						4	1 -			
440	457	R	\ \ \ \ \ \	\ \ W	\							5?	✓			
"	392															
397:	396											48	✓			
259	235															
"	220	R	(1/2)(a)(a)	E	2			.. no	2-	✓						
337:	302	R	(1)	e	8/2	\			14	2-	✓					
"	314															
628	317	R	bkn bkn E	\ bkn \	E			10	2	✓						
"	L															
"	318							(w) (w)								
"	281															
184	461															
	454	L	■		\ l g							456	✓			
"	431	L	E													
"	R															
"	L															
528	509															
436	381	R	{ w w	>												
"	L		{													
"	R		(w) (w) (j)	e \								5-				
"	L		(b)													
567	566	L	\ w f	k ¹⁵ j ¹⁴ g ¹²	✓✓			41	✓							
570	116															

P⁴ path (622)

622 637 440 397 259 287 628 484 528 426 567

10 Granules + 5 Hamwhebbles + 14 teeth + 1 Brown.

Stages: 2, 4, 10, 14, 14e, 14z, 41, 45e, 48.

Stages	1	1	1		1	2										
'Hamwhebbles					1 1 (1)		1	2	3 (+1)							
3						1		3	1							
4						(1)		4	0 (+1)							
5	mx (1)	mx (1)			(1)	1	(1)	1	5	3 (+4)						
6	mx (1)	mx (1)			(1)	1	(1)	1	6	1 (+4)						
	calf	calf							10 (+10)	= 20						

AGS

Cattle Measurements.

hc, skull, over.

 M_3 length (881)

scap. LG 59.4

SLC 41.0

	(462)	(396)	(396)	(394)	(318)	
hu	BT	75	63	69	64	76

$$347 \div 5 = 69.4$$

(458) (451)

ra GL

Bp 72 76.4

SD

Bd

W. distal
with coniform

pel. separate

all sixable pel.

fe. GLC

SD

Bd

(392) (431)

tib GL

Bp 84

SD

Bd 53.5

(396) (431)

calc GL 133 109✓

(462) (392) (319) (461)

aotr. GLL 70 65.6 61.8 54

GLm - 59 56.1 48.4

Bd 45 41 39.2 36.1

(529) (487) (456) (462) (482) (451) (319) (431)

mc GL 195 203✓

Bp 55.4 62.0

SD 30.4 35.1

Bd 51 54.9 62.9 59 52.3

max. distal diaphysial width (Higham) 48.1 51.8 57 54 47.3

Dd 29.4 30.5 33.4 32.4 28.0

(487) (462) (396) (431) (431)

mt GL 227

Bp 49.6 40.6

SD 27.2

Bd 57 53.8 48.7 48.4

max dist. diaph. w. 54 52.5 44.8 43.8

Fock's figures, intermediate male & female

height Estimation (v.d. Driesch & B. 1974)

$$195 \times 6.125 = 1.1944 \text{ m}$$

$$203 \times " = 1.2434 \text{ m}$$

$$48.1 \times 6 = 54.7$$

$$44.3$$

$$27.1$$

$$227 \times 5.45 = 1.2472 \text{ m}$$

$$207.9 \div 4 = 51.98$$

phal 1st GLpe I can't tell them apart.

Bp don't do.

phal 3rd DLS

Cattle, Meas, cont.

♂ ♀

hc.	(469)	(392)	(381)	(381)	(381)	(381)				
L outer curve	110	36.8 cm	90	101	c. 100 (close)	5½ cm survivors	4	90-110	M 100	much < Exeter ones - ? all cows.
Basal circumf.	119	109	104	102	111	109	6	102-119	109	654
bas. diam. max.	44	39	36	35	40	36				
min.	31	31	29	30	26	30				
→ Index see Philp, 1982	70.5%	79.5%	86%	83%	75%					
I Age	adult	30+4	3 young adults. 1 thick.	3	3 (on young side)	3				
II Length	some	1	curv	2	curve (u. 2 slight torsion)	2, 1 expect. curv				
III curve	tors. 3	1	2	2	-	2				
IV tip	? 2	-	? pointed	v. pointed	-	-				
V Sex	? ♂	? ♀	? ♀	? ♀	? ♂ or ♀ (Small tho.)					
horn direction of	too difficult									
P	? path									
	none		skull ch through well below horn core.	one fine K mark at hc base.	none	none	none			

This drawing of round & pointed.

the 'round' one is more pointed than the 'pointed'!

✓ Cattle. Butchery Notes.

Cattle

Bones with ♀ marks were separated and looked at together (at the end).

has Two have small ? knife marks, The other Four ^{probably from removal of the horn sheath, though they could be from skinning.} were unmarked, though it is unlikely that the horn was not utilised.

They are all small = ? female, & bulls & oxen has elsewhere. Smaller than Thetford has. smaller than Exeter - Table 67

Skull: In three cases the mandible had (mandibles) been chopped through below the condyle. Other marks on adult mandibles were probably done when the meat was removed.

A calf mandible chopped through the jaw in front of the premolars.

(other skull) just one molar bone sliced through very cleanly, which seems to indicate that the mandible was detached from the skull.

sc. few ♀.

hu. (all) Some but not all humeri were chopped on the distal joint, probably, done when disjointing the carcase. (5 so chopped, 3 not).

All the surviving hu^{ll}) were chopped through the shaft, probably for marrow extraction. Most were chopped just above the distal articulation.

Only one proximal end survived, which was chopped, indicating separation of the 'scapula' from the rest of the front limb.

radius, ulna. seem to have been chopped through for marrow. The scutcheon seems always to have been cut off, in separating the elbow joint.

pd. and fe. There were few pelvises or femora. Certainly in some cases, the few ones through mid shaft like radius. patella (one on mark on posterior surface).

- Three proximal tibiae and a distal femur were chopped through the cancellous bone near the knee joint - presumably from disjointing rather than marrow extraction.

(Some of the calc & astr were ch right through)

- Small knife marks on the distal end of metapodia (3) and phalanges may be from skinning, which means that the hide on the lower leg was used, or from removal of the tendons (one use of which was in making crossbows, McGregor p.c.).

rt. Splitting of the carcase into sides seems to have been practised, though it was not the universal practice as it is now. Seven rat were chopped through roughly sagittally.

Ribs. Ribs were not identified to species level, but doubtless most of the ribs are cattle.

Most were chopped into pieces 8-16 cm in length, which is less fragmented than ribs from Roman sites in the writer's experience.

Bones were broken

with a very sharp but unevenly sharpened heavy knife or cleaver.

A few complete

(3)