

| I-IV | I                | II  | III             | IV  | V   |
|------|------------------|-----|-----------------|-----|-----|
|      | 467              | 471 | 062 d           | 290 | 165 |
|      | 161              |     | 062 M           | 295 | 125 |
|      | 127F             |     | 346             | 499 | 142 |
|      | 127K<br>(1 inch) |     | 325             | 256 |     |
|      |                  |     | 325             |     |     |
|      |                  |     | fo <sup>o</sup> |     |     |

265  
occ!

|   |   |   |   |   |   |   |   |   |   |     |
|---|---|---|---|---|---|---|---|---|---|-----|
| 1 | * | 1 | * | 1 | * | 1 | * | 1 | * | 153 |
|---|---|---|---|---|---|---|---|---|---|-----|

$\begin{array}{ccccccc} & | & * & 1 & * & 1 & * & 1 & * & 1 & * \\ 1 & * & & & & & 1 & * & 1 & * & 1 & * \\ 3 & 9 & 2 & & 5 & & 1 & 2 & , & 1 & & \end{array}$

124 H2 134  
1 1 t 46  
059 170  
038I  
1 ch sc 2

037  
1 hu 4

037  
1 hu 4

P r/n 3

040  
1

pe -

pe -

pe -

124  
1 mm. fe 1

fe

fe

fe

006  
1

 $\frac{1}{4}$ 

(o) piglet

(o) piglet



✓ 265 teeth. 13 whole teeth either whole or tip present; and 13 broken teeth; don't appear to be from one jaw - v. different colours & none of the broken pieces match. from a possible heath. teeth rather black, but don't look burnt.

VI 076 t 13 fragments, none matching.



calc R  
L  
aotr R  
L  
P  
R S  
mc d  
P  
L S  
d  
P  
R S  
mt d  
P mp1  
L S  
d  
apaxial mp  
ph 1st  
2nd  
3rd  
abaxial phal.  
Vert. atlas vt1  
axis

36

499  
t x u  
t large

125  
0

h  
t i g e b

7 24

ch-head  
removed  
both  
attached  
axis

7

0

t 1

mp 3

ph 4

vt 3

93

## Fragments

sk  
mx  
md 5 i  
t 6 2 c  
sc  
hu  
ra  
ul  
pe  
fe  
ti  
c/t  
mp  
ph  
fib

15  
51

h<sup>m</sup>

265  
1

295 256 265 253  
2 1 13 1

125  
1

2  
i 1  
2 2 7 1

13 2 1 1 2

2

1

1  
069  
069  
1

1

1 1

7 24  
14 19  
21 27 48

006K3  
006  
1 1

134 168  
4 1

110 038I  
1 1

038I  
dust  
0

1, 1, 7  
8  
7 15  
23

sk 2

mx 3

md 13

t 38

v

sc 2

hu

r/u 1

pe 2

fe 4

h/f 3

c/t

mp 2

ph

Total  
Fags

Total  
zone

Pig  
Total

|     |    |    |    |     |
|-----|----|----|----|-----|
| sk  | 2  | 2  | 3  | 5   |
| mx  | 3  | 3  | 9  | 12  |
| md  | 13 | 18 | 14 | 32  |
| t   | 38 | 44 | 64 | 108 |
| v   |    |    | 4  | 4   |
| sc  | 2  | 3  | 2  | 5   |
| hu  |    |    | 6  | 6   |
| r/u | 1  | 2  | 5  | 7   |
| pe  | 2  | 2  | -  | 2   |
| fe  | 4  | 6  | 2  | 8   |
| h/f | 3  | 3  | 11 | 14  |
| c/t |    |    | 1  | 1   |
| mp  | 2  | 2  | 4  | 6   |
| ph  |    |    | 4  | 4   |

70

214



| Tot | Sex  |    |    |      |             | Age |    |    |     |      |      |                   |                   |                  |                   | Total                |                    |
|-----|------|----|----|------|-------------|-----|----|----|-----|------|------|-------------------|-------------------|------------------|-------------------|----------------------|--------------------|
|     | V-VI | VI | V  | I-IV | IV III II I | I   | I  | II | III | IV   | I-IV | V                 | VI                | V-VI             |                   |                      |                    |
| 9⑥  | 5③   | 10 | 10 | 3①   | -           | 4③  | 10 | 20 |     | 10 ♂ | 1    |                   |                   |                  | 0                 | 0                    | 0                  |
| 6④  | 4④   | 10 | 10 | 2②   | -           | 2②  | 10 |    | 10  | ♀    | 2    | 1                 |                   |                  |                   | 0                    | 1                  |
|     |      |    |    |      |             |     |    |    |     |      | 3    | <sup>mx</sup> (1) |                   |                  | <sup>mx</sup> (1) | <sup>mx</sup> (2)    | <sup>mx</sup> (3)  |
|     |      |    |    |      |             |     |    |    |     |      | 4    |                   | <sup>mx</sup> (1) | <sup>t</sup> (1) | (2)               | <sup>mx</sup> (1)    | 1                  |
|     |      |    |    |      |             |     |    |    |     |      | 5    |                   | <sup>mx</sup> (1) | (1)              |                   | <sup>lt.</sup> 1e, 1 | <sup>lt.</sup> (1) |

let complete fams.

n, k, e: 43

j, d, a - 29

m, j, c - 39;

m, l, c - 41

put in order.

Total MN  
(ind only)



/ Hanshin

Age - Silver 1969 modern figures.

Sa 74/R

P1-4 M1 2

$R$   
 $w \sigma$   
 $R$   
 $w$   
 $4 R$   
 $9$

R  
broken

R  
bkn ♂  
r  
bkn ♂

$\begin{matrix} & & 4 R & 3 R \\ \text{bkn} & & d & w \\ & L & & f \\ w & w f & & x \\ & w R & & \\ w & w G & & \end{matrix}$

$\begin{matrix} LI & L & 4 L & R & LL & 2-3 \\ O & w f & a & a & a & \\ & L f & & & & \\ & w f & & & & \\ LI & w & bkn & & & \\ & LO & & & & \\ & W & & & & \end{matrix}$

$\begin{matrix} & & 0 = R \\ & & \text{unwoven} \end{matrix}$

$\begin{matrix} & & 0 \\ & & L \text{ Stage} \\ & c & clear \\ & (2-3) \times \\ & 0 \\ & 2-1-3 \end{matrix}$

[illegible]

|   |   |                     |   |   |   |   |
|---|---|---------------------|---|---|---|---|
| I | C | P <sub>2</sub> to 4 | m | 1 | 2 | 3 |
|---|---|---------------------|---|---|---|---|

|   |    |         |
|---|----|---------|
|   | 3L | L Stage |
| 0 | 0  | V.W. 65 |

R  
t ♂  
R  
t ♂

5xwt  $\overset{L}{\nearrow} \sigma$   
                     $\underset{R}{\searrow} \text{bkn } \text{f}$

W  
↑  
○

L  
○ ?

$\begin{matrix} R \\ \text{WF} \\ L \\ 0.07 \end{matrix}$ 
 $\begin{matrix} .R \\ j \\ e \\ b \end{matrix}$ 
 $\begin{matrix} R \\ 0.3 \\ b.R \end{matrix}$

$\begin{matrix} L \\ 0 \end{matrix}$ 
 $\begin{matrix} R \\ d-5 \end{matrix}$

↑ ♂

|   |  |  |
|---|--|--|
| W |  |  |
|---|--|--|

Pigs hardly ever have 2's  
in full wear, let alone  
in heavy wear.  
Harmish definitions?  
- really no Pig Stage #  
4 & 6 are equal.

♂      ♀

|||||      |||||

|| |||||      |||||



f LR I, 2 3 4 C P, 2 3 4 M, 2 3 over-  
 crown. St. No.  
 ing.

I, C, 2-4, M, 2 3

023 H2

" G

" J

134

170

17 16 8  
 m l c no 5 41

L  
 F:

L  
 F:

10<sup>3</sup>

0



|                  | I    | II                        | III | IV                                   | V    | VI   |
|------------------|------|---------------------------|-----|--------------------------------------|------|------|
|                  |      |                           |     | Upper 17.3<br>(265) L 29.6<br>D 17.0 |      |      |
| M <sub>3</sub> L |      |                           |     | 290                                  | 165  | 230  |
| B                |      |                           |     | 34.9                                 | 30.1 | 33   |
| hu               |      |                           |     | 15.3                                 | 14.9 | 14.7 |
| BT               |      |                           |     |                                      |      |      |
| sc GLP           |      |                           |     |                                      |      |      |
| SLC              |      |                           |     |                                      |      |      |
| ra               |      |                           |     |                                      |      |      |
| Bp               |      |                           |     |                                      |      |      |
| ti GL            | 161  | 219                       |     |                                      | 067  |      |
| Bp               |      | line of fusion<br>visible |     |                                      |      |      |
| SD               |      |                           |     |                                      |      |      |
| Bd               | 28.7 | 28                        |     |                                      | 28.2 |      |
| aotr             |      |                           |     |                                      |      |      |
| GLE              |      |                           |     |                                      |      |      |
| GLm              |      |                           |     |                                      |      |      |
| calc GL          |      |                           |     |                                      |      |      |
| mc III GL        |      |                           |     |                                      |      |      |
| Bd               |      |                           |     |                                      |      |      |
| " IV GL          |      |                           |     |                                      |      |      |
| Bd               |      |                           |     |                                      |      |      |
| mt III GL        |      |                           |     |                                      |      |      |
| Bd               |      |                           |     |                                      |      |      |
| " IV GL          |      |                           |     |                                      |      |      |
| Bd               |      |                           |     |                                      |      |      |

Atlas

499<sub>6</sub>  
H 5 ± 2

BFer 60 ± 2

large

probably

a wild

beast - similar size

to Schmid's, I think

- small &amp; brown

076

H 5 ± 57

BFer 68



| feature | Species  | ele-<br>bone ment                  | L R | zone (ray<br>root)  |                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|---------|----------|------------------------------------|-----|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| I 467   | red deer | 2nd phal.                          |     | I                   | GL 44 Bp 20                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 161 L   | roe deer | md                                 | R   | I                   | Px, x, x, M1 wr □, M2 wr □, M3 wr □<br>72 yrs old. Cheek + row L 62.7                                                                                                                                                                                                                                                                                                                                                              |
| " ?     |          | mt                                 |     | I                   |                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 161 KAL | hare     | ti s                               | R   | I                   | a short piece, no p but anciently broken                                                                                                                                                                                                                                                                                                                                                                                           |
| " " "   | roe      | mt                                 |     | I                   |                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 127 F   | fowl     | ul psd                             | L   | I                   |                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| III 062 | red deer | hu s                               | R   | k                   | c. 14 knife marks all round, above distal articulation.                                                                                                                                                                                                                                                                                                                                                                            |
| "       | red deer | mt s                               | L   | I                   |                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| "       | horse    | max                                | L   | I ♂                 | has L incisor, broken, root open. could be deciduous, and<br>C' → ? ♂<br>premax/max suture inf. - imm ♂?                                                                                                                                                                                                                                                                                                                           |
| "       |          | vt atlas<br>axio<br>cerv.<br>thor. |     | t<br>t<br>5x10<br>b | one individual.                                                                                                                                                                                                                                                                                                                                                                                                                    |
| "       | fowl     | tibio tarsus                       | L   | I <sup>n</sup>      | GL 103.0                                                                                                                                                                                                                                                                                                                                                                                                                           |
| IV 479  | red deer | antler tine                        |     | I                   | 13 cm long. Not sawn. (rubbish over kitchen)                                                                                                                                                                                                                                                                                                                                                                                       |
| "       | red deer | phal 2nd                           |     | I                   | GL 40.5 Bp 20                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 295     | red deer | calc                               | R   | I                   | GL 106<br>Bd 47.0<br>Bd 51.6                                                                                                                                                                                                                                                                                                                                                                                                       |
| VI 076  | red deer | ti sd                              | R   | I                   |                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 076     | red deer | ti d                               | L   | I                   |                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 173     | hare     | hu sd                              | L   | I                   |                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| "       | hare     | hu s                               | R   | I                   |                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| "       | horse    | t p <sup>1st</sup>                 |     | I                   | Ht 32 11-15 yrs                                                                                                                                                                                                                                                                                                                                                                                                                    |
| "       | "        | t P4, M1, 2, 3                     |     | I                   | 1 - count as one. Ht P4 c 65 6 1/2 M1 58 6 1/2 M2 62 6 1/2 M3 64 6 1/2 M4 73 1/2 - horse<br>- match. - say about 7 years old. ?? use P1<br>P4 c 74 4 1/2 - 6 1/2 M2 c 72 4 1/2 - 6 or adult, not old<br>- say about 5 years                                                                                                                                                                                                        |
| 174     | horse    | md                                 | L   | I                   | M2? 69 6-7 yrs<br>M3 Height 67. root open. 6 1/2 - 7 1/2 ?? younger<br>Not same horse as from 173                                                                                                                                                                                                                                                                                                                                  |
| "       | horse    | t M2?                              | L   | I                   |                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| "       | horse    | t M3                               | L   | I                   |                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| "       | dog      | mp ps                              |     | I                   |                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 177     | horse    | t                                  |     | I                   |                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 178     | horse    | t P/M <sup>upper</sup>             | L   | I                   | H 32 11-15 yrs                                                                                                                                                                                                                                                                                                                                                                                                                     |
| "       | horse    | t P4                               | R   | I                   | H 16 14 years +                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 179     | red deer | md                                 | L   | I                   | M1 has been lost a.m. and the alv. is partly<br>filled with b. The bone is enlarged on the<br>lingual side.<br>M2 wear (g), M3 wear (g)<br>larger than my hind. M3 L (occlusal surface) 32 mm. 8.15.1<br>shows dentine wear but not v. wn.<br>5 teeth, probably one jaw (Identific of P3-M2 not completely certain)<br>P2 47 6-7 1/2 P3 60 7-8 1/2 P4 c 69 6 1/2 - 7 1/2 M1 60 c 6 1/2 M2 68 6-7 1/2<br>6-8 years, or about 7 yrs. |
| "       | dog      | t c                                |     | I                   |                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 084     | horse    | md                                 | L   | I                   |                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 084     | dog      | ul p                               | R   | I                   | broken. from a moderately large dog.                                                                                                                                                                                                                                                                                                                                                                                               |
| "       | goose    | tmr psd                            | R   | I                   | GL 88                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 230     | red deer | vt<br>fe<br>md                     | R   | I                   | a good match for red.                                                                                                                                                                                                                                                                                                                                                                                                              |
| 230     | horse    | ul p                               | R   | I imm.              |                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| "       | horse    | t deci                             |     | I                   | in wear                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 231     | horse    | fe s                               | R   | I                   | Rum 23                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 231     | red deer | ti sd                              | R   | I                   | Bd 54.0 Checked carefully.                                                                                                                                                                                                                                                                                                                                                                                                         |
| "       | red deer | fe s                               | L   | I                   | SD 34.6 ident. certain.                                                                                                                                                                                                                                                                                                                                                                                                            |



| f                | Sp              | b. el.                                                                                   | L.R | z              | fr |                                                                                 |
|------------------|-----------------|------------------------------------------------------------------------------------------|-----|----------------|----|---------------------------------------------------------------------------------|
| VI, cont.        |                 |                                                                                          |     |                |    | About 8 years old (Howe 1967)                                                   |
| 231              | Red deer        | md                                                                                       | L   | 1              |    | Px, P3w, P4h, M1g, M2g, M3g. <sup>M3 L31, B14.2</sup>                           |
| "                | Red deer        | antler tine                                                                              |     | ch             | 1  | using Grant's cattle stages. Check tooth row length 116                         |
| [021             | deer            | antler tine                                                                              |     | bnt white      | 1  | short piece, tip, 4cm. Chopped through, not sawn.                               |
| "                | ? human         | sk                                                                                       |     | ? ch off.      | 1  | could be any deer.                                                              |
| 067              | fowl            | cmc d                                                                                    | L   | t              |    | tip, 3cm.                                                                       |
| 069              | horse           | t p2-p2                                                                                  |     | t v.w.         |    | suture open.                                                                    |
| 180              | deer antler     |                                                                                          |     | ? sawn         | 1  | # 27 - 14+ yrs.                                                                 |
| "                | foli            | rest                                                                                     |     | 3              |    | broken tine, 4cm. fallow or red.                                                |
| "                |                 |                                                                                          |     | 1              |    | a section 3cm long is flat, ? sawn.                                             |
| "                | duck            | ul psd                                                                                   | R   | t <sup>k</sup> |    | QL 77.1 Same size as my mallard.                                                |
| "                |                 |                                                                                          |     |                |    | Anas platyrhynchos                                                              |
| "                |                 |                                                                                          |     |                |    | wild mallard or domestic duck.                                                  |
| "                | horse           | ~ separate page.                                                                         |     |                |    |                                                                                 |
| 124              | fowl            | fe psd                                                                                   | L   | k-             |    | knife marks on proximal end.                                                    |
| 006              | deer - fallow   | antler tine                                                                              |     | 1              |    | ? fallow - check. Peter Sadler's comparative.                                   |
| 006/K3           | water vole      | md                                                                                       | L   | 1              |    | no I w, no other teeth. overall length 29mm.                                    |
|                  |                 |                                                                                          |     |                |    | Arvicola terrestris.                                                            |
| 006              | Bird.           | hu                                                                                       |     | t              |    | QL 26.                                                                          |
|                  | horse           | 1st phal                                                                                 |     | t              |    | QL 81                                                                           |
| 038I             | horse           | t I                                                                                      |     | t              |    | age??                                                                           |
| 118              | horse           | ra                                                                                       |     | 1              |    |                                                                                 |
| 362              | roe deer        | t                                                                                        |     | 3              |    | Probably 11, 2 & 3 (3rd with broken off) from one jaw, 2-3 yrs old (Atken 1975) |
| 134              | fowl skeleton:- | skull (back part)                                                                        |     |                |    | large.                                                                          |
| occupation layer |                 | Cor psd                                                                                  | L R | t              |    | QL 78 ± 4                                                                       |
|                  |                 | SC                                                                                       | L R | t              |    | remeasured April 1985                                                           |
|                  |                 | hu psd                                                                                   | L R | t              |    | QL 100 ± 2 Bp 28.8 SC 9.5 Bd 22.8                                               |
|                  |                 | ul psd                                                                                   | L R | t              |    | female                                                                          |
|                  |                 | ra                                                                                       | L R | t              |    | QL 96                                                                           |
|                  |                 | ps                                                                                       | L R | t              |    | crabapple?                                                                      |
|                  |                 | fe psd                                                                                   | L R | t              |    |                                                                                 |
|                  |                 | tts ps                                                                                   | L R | t              |    | QL 114 ± 2 Bp 25.0 SC 11.1                                                      |
|                  |                 | lumbosacrate, 4 fused vertebrae, 1 separate vert, all mature, 4 ribs, 4 other fragments. |     |                |    |                                                                                 |
| "                | fowl            | cmc ps                                                                                   | R   | t              |    | much smaller - normal size...                                                   |



horse bones from 180. Fill of drain 181

fragments of skull. 4 occ.

MANO.

2

5 glen. cav. 2

14 other pieces, quite small.  
+ c. 50 skull fragments.

Height

mesiodistal diameter

= Length - v.d. Driesch.

heavily 182.

teeth & maxillae

3:-

P<sup>2</sup> H L P<sup>3</sup>

P<sup>4</sup>

M<sup>1</sup>

M<sup>2</sup>

M<sup>3</sup>

A same horse.

(palatine bone present)

aged c. 7 years.

L w 44, 38 w 63, 31 w 75, 30. w 58, 25 w 64, 26 w - 24.

R w 55, 29. w 62, 30 w 57, 25 w 63, 26 w 60, 27.

\* a fragment of  
dec p, retained  
on lingual, mesial  
corner.

different -  
? wrongly assigned.

✓ (division of root  
developed enough  
to allow measurement)

B

L w 42, 38 w 63, 32 w - 27 w 69, 27 w 76, 28 w root open; ocl. surface

R w 40, 38 w 62, 31 w 73, 30 w 62, 26 w 79, 28 w 73, ocl. surface not in full wear.

aged c. 6 years.

aged c. 6 yrs.

C

R w 48, 38 w 62, 31 w 70, 29 w 66, 26 w 76, 28 w root open, surface not in full wear.

L could match C:

premaxilla I<sup>1,2,3</sup> broken off, C<sup>1</sup> broken - ♂  
P<sup>2</sup> 49, 49.

tooth row lengths.

[P<sup>2</sup> difficult to measure height of].

3 other upper cheek teeth, similar wear to above.

2 mid fragments.)

? P<sup>3/4</sup> 63, 30; M<sup>1/2</sup> 65, 26; M<sup>1/2</sup> 70, 28.

24a Premolar row

23a Tilar row

Cheek + row 22a Van der Driesch 76  
(measured along biting surface)

A c98 c76 - } (teeth loose)  
- c76 - }

B 95 75 168 (but T<sup>13</sup> not quite in full wear)

- - difficult to do

C c96 c78

(Aylesbury Romano B. skull:-

92, 90

72, 73

→ Cae horse > Ays.<sup>2</sup>

age at death similar.)

axis vert. LR Z fr.

axis vert. LR Z fr.

" " T

other vert 1

sc. L T

" R T

" R T

" R T

hu L T

pel over L T

" " R T

fe p R T<sup>gn</sup>

" s R I

" s R I

" s L I

TIN 2

GLP 91, SL 60

" - 63

" 89 -

" - - MN 3

BT 76

could be same indiv.

? gnaw marks on femoral head.

- cld be same.

25

MN 2

Not, apparently, 3 burials.

no feet, few vert.

Some of the 23 rib pieces may be horse.

No butchery, but ? gnawed femoral head.

Appear to be from moderately large

horses ((? > 13 hands))

aged c. 6, 6, 7.

no immature bones.

Other VI Horse:-

173 11-15; 7

174 5, 7 ? TIN.

178 11-15

184 7

230 mm. di

180 6, 6, 7.

old 2

adult 7

imm 1

+ 13-16

+ 28-33