

I did the bird bones from features before 337 after all the rest, page 5, foll.

feature Species ele. bone mt LR zone frag. med.
Med. 337:
314 fowl skel. - bones bagged together, and all have same dark brown colour.
layer in med. cess pit.

sc					(no cor.)
hu	R	t	GL	63.7	
"	L	t	"	63.8	(no ra)
ul	R	t	"	62.4	
"	L	t	"	62.4	
fe	R	t	"	71.8	
"	L	t	"	71.3	
tibts	R	t	"	97.6	
"	L	t	"	97.8	

measure before drilling.

All 337 fowl in Skeleton Box 2 or 67.

(12 + ribs)

furcula
sternum
lumbosacral
ribs
? Count as one skeleton.

314 fowl	cor	R	t	"	58.4			
fowl	sc		t					
fowl	hu	R	t	"	76.1	} probable pairs.		
fowl	hu	L	t	"	76.			
"	ul	R	t	"	72.2	}	"	"
"	ul	R	t	"	75.8			
"	ul	L	t	"	75.7			
"	ra	R	t	"	65.2			
"	fe	R	t	GL	75.6	}	Sp 16.1	Sp 6.7
"	fe	L	t	"	-		16.0	6.9
"	fe	R	t		84.5	}	13.1	8.0
"	fe	L	t		84.5		17.6	8.3
"	tibts	R	t		-	}	Dip 24	SC 7.0
"	tts	L	t		119.7			
"	tts	R	t		110.2			
"	tts	R	t		98.2		-	6.0
"	metatars. L	L	t (path) ♀	GL	81.8		the sesamoids on the ventral side of the shaft are ossified and fused to the shaft.	
				SC	7.1			
"	" ps	R	t	p just fused.			? an old layer. There is a rudimentary spur.	
"	sternum			1				
"	lumbosacr.			3			= 23 = immature	
"	furcula	R	t					

haven't had time

... check for medullary bone

continued over

ward bird

622: 456 fowl	ra	R	t	GL	68.9
639: 462 16th fowl	fe	R	t	GL	80.0
" fowl	tts ps	L	t		
" fowl	hu	R	t	GL	63.0
" fowl	ul	R	t		62.5 small.
" fowl	ra	L	t		64.2
" cont pb fowl	ra ps	L	t		
637: 480 cont pb fowl	tibts ps	R	t		

637: 458 fowl hu L F GL 69.6
" fowl cor L F GL not quite adult
" fowl tmts R F GL 66
" 451 fowl ra d R F

440: 392 fowl → tibots L t GL 114 - large.
cont p 6 fowl → tibots d R t

397: 396 fowl ul ps L t
" ra ps R t
and page 6 " pel L t

259: 235 fowl pel R t
220 has fair no. of fowl & ? bird, not done yet.

337: 314 fowl cor L o }
" R o }
" R t } 50.4
" L t } 50.1
Scap. R t
" L t
hu R t } 66.7
" R t } 65.5
" L t } 67.0
" R o }
" L o }
ul R t } 64.8
" R t } 65.5
" L t } 65.4
ra R t } 59.0
" R t } 59.3
" L t } 59.0

Remove femora
d tibiokarsi to
look at
medullary
bone
all in S2
or 6

fe R t GL 74.5 Bp 15.1 SC 6.2 Bd 14.1
" R t c 73 15.4 6.1 14.0
" L t 74.6 15.1 6.2 14.4
" L t 73.0 15.1 6.2 14.2
" R o
" L o
tib. ped R slightly imm.
" d L t
tmt R t t GL 70.6 SC 6.1
" R t t 67.5 SC 5.7
" R t t 70.0 SC 5.9
" L t t 70.9 6.3 mm 3 + 2 (mm tib h) + 1 (mm fe)
pel R t
" L t MN 5 R tibots + 2 L v imm tib.

sternum 3
ribs bones (9)
tmts sesamoid 5

Other bones separated to identify - leave enough space.

314 goose hu s R 1 + 3
fowl hu R 1 v. imm.
fowl fe R 1 v. imm.
fowl tib L 1 v. imm.
fowl tib L 1 v. imm.
fowl tib L 1 v. imm.

39
23
62
5
67

f.	Sp.	b. d.	LR	x	fr.	
337	302	cor psd	R	o		
"	"	sc	L	t		
"	"	hu	R	f		GL 71.4
in skel Box 2	"	"	L	f		71.3
or 6	"	ul	R	f		72
"	"	ra	L	f		65.3
"	"	fe psd	L	o		
"	"	tibts	L	t		c110 (use) (large)
"	"	" psd	R	o		
"	"	tmtts	L	f	no spur	GL 74.2
"	"	"	R	f	There is a rudimentary spur (West says: female) but it is a large bone.	GL 81.9 Bp 15.7 Sc 7.1 Bd 15.6

3 fowl.

cont. p. 6

628 319 fowl

in skel Box 2 or 6

rbs (3)

MN 3 - L & R tmts - size + mm

sc	L	2x t	
"	R	t	
cor	L	f	GL 52
"	L	f	53.4
cor	R	f	53.7
hu	R	f	64.5
" sd	R	f	
"	L	f	68.7
"	L	f	69.3
"	L	f	64.4 - probable pair
ul	L	f	62.2
"	L	f	66.2
ra	L	f	60.0

show Petra.

skull

GH 18.1 (the only 1 possible)

pelvis		2	
fe sd	R	f	med. - some medullary bone.
"	R	f	Bd 13.4
"	L	f	GL 76.8 Bp 15.6 Sc 6.4 Bd 14.8
"	L	f	77 15.2 6.5 14.8
"	L	f	71.1 13.6 7.0 14.4
tibts p	R	f	
"	L	f	97.5 19.3 5.8 11.0
tmtts	R	f	72.9 SC 6.4
"	R	f	63.3 6.1
"	L	f	62.3 6.0

26

" " fowl skel.

fast bones
in box
S. 2 or 6

sc	R	f	
hu	R	f	68.6
ul	R	f	68.2
ra	R	f	61.6
fe	R	f	77.5 15.3 6.8 15.6
"	L	f	77.3 15.2 6.8 15.8
tibts	R	f	107.1 21.0 6.1 12.1
"	L	f	106.8 21.1 6.0 12.4
tmtts	R	f	72.0 6.6
"	L	f	71.6 SC 6.4
pelvis			
sternum			
rib fr.			(19)
furcula			1
fib			1

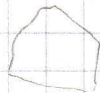
over

(14 ± ribs)

40

f Sp
628 319, cont ? fowl

b el LR = f
eggshell 1



thickness 0.3
Colour uneven, ? Russell.
light brown with white patches (blotches).

" 317
mid fowl

sc	R	T	} ? the same ind, from crown of bone.	GL 49
cor	R	T		68
ul	R	F		GL 68 60.8
ul	L	T		GL 71 Bp 14.5 Sc 5.3 Bd 13.2
fe	L	T		
ta psd	L	T		

furc 2
rib (1)
cor 1 imm.

318
early fowl

ra	R	T	GL 60.2
amep	R	F	36.8
"	L	F	39
fe	R	F	76 15.2 6.6 14.8
tibts	R	T	105 19.4 6.0 11.1
"	L	T	104.7 19.4 6.0 11.1

281
mid fowl

skull
ul R T GH 20.4

partridge

ul R T
fowl, morph. similar to fowl
very small, but - morphological check.
GL 44 Perdix perdix.

fowl

hu	L	imm.	
ul	R	imm.	
fe	L	T	GL 68.3 13.9 6.3 13.6
tibts ps	L	T	medullary bone present.
fe	L	imm.	(ident. partly circumstantial).
tibts	R	imm.	none. (" " ")

cont pte

484 454
" 431

fowl
fowl
"

fe psd	R	T	
cmtp	R	T	GL 38.5
"	R	F	-
ra	L	T	65.5

goose

ul p R T

goose

tibts ps L T

duck

cmtp R F GL 51.2 (< Oxyechus hallardi)

436 381

fowl

cor	R	F	47.7
"	R	F	46.8

"

sc R T

"

pel aret L T

"

sternum 1

goose

hu L F GL -

"

cor R F -

"

ra ps L T

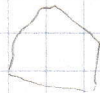
duck

hum. R F k → sin. my mallard. GL 90.2 6 k marks distal end - gylng separated.

566 skel - next sheet.

f Sp
628 319, cont ? fowl

b el LR = f
eggshell 1



thickness 0.3
Colour uneven, ? Russell.
light brown with white patches (blotches).

" 317
mid fowl

sc	R	t	} ? the same ind, from crown of bone.	GL 49
cor	R	t		68
ul	R	F		GL 68 60.8
ul	L	t		GL 71 Bp 14.5 Sc 5.3 Bd 13.2
fe	L	t		
ta psd	L	t		

furc 2
rib (1)
cor 1 imm.

318
early fowl

ra	R	t	GL 60.2
amep	R	F	36.8
"	L	F	39
fe	R	F	76 15.2 6.6 14.8
tibts	R	t	105 19.4 6.0 11.1
"	L	t	104.7 19.4 6.0 11.1

281
mid fowl

skull
ul R t GH 20.4

partridge

ul R t
fowl, morph. similar to fowl
very small, but - morphological check.
GL 44 Perdix perdix.

fowl

hu	L	imm.	
ul	R	imm.	
fe	L	F	GL 68.3 13.9 6.3 13.6
tibts ps	L	t	medullary bone present.
fe	L	imm.	(ident. partly circumstantial).
tibts	R	imm.	none. (" " ")

cont pte

484 454
" 431

fowl
fowl
"

fe psd	R	t	
cmtp	R	t	GL 38.5
"	R	F	-
ra	L	t	65.5

goose

ul p R t

goose

tibts ps L t

duck

cmtp R F GL 51.2 (< Oxyechus hallardi)

436 381

fowl

cor R F 47.7

"

" R F 46.8

"

sc R t

"

pel aret L t

"

sternum 1

goose

hu L F GL -

"

cor R F -

"

ra ps L t

duck

hum. R F k → sin. my mallard. GL 90.2 6 k marks distal end - gylng separated.

566 skel - next sheet.

640

529

honey buzzard
Pernis apivorus
female.

bone el	LR	2 fr.
hu psd	R	F path.
sternum		1 path.
ra psd	R(?)	F
ul psd	R	F
cmc psd	R	F
tibio psd	R	F
lumbosacral		1

QL 122.4 affected by osteoarthritis, two areas of the proximal articulation showing pitting and pitting, and the extra growth of bone being present all round the joint.

had exostoses round the right articulation. (the coracoid unfortunately missing).

QL 134.0 A perfect match at Tring. They have 4 specimens

QL 141.3 which had 4 wings than this, and one, no doubt a

QL 71.9 ♀, but not so designated, exactly this size of

QL 87.5 SC 5.5 wing bones and tibiotarsal.

wider than in presumed male ^{specimens} at Tring, similar to the ♀ spec.

622 487
487

fowl
goose

carpmc psd	R	1
ra ps	?R	1

QL 40.4 tibio. - I have seen in half. There is a small deposit inside the bone.

10th C

639 462

fowl

md	L	1
----	---	---

637 482

fowl
fowl

fe	R	♀
carpmc	R	♀

v. young. (SL 47)

very young (QL 37) MN 2 (imm + mature)

QL 86.8

" 480

goose

carpmc psd	L	1
------------	---	---

" 637

goose

hu s	R	1 imm
------	---	-------

469

goose check ✓

tibio sd	R	1
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440 392

goose

carpmc psd	R	♀
------------	---	---

392

goose

tibio s	L	1
---------	---	---

397 396

goose

ul	R	F
----	---	---

"

goose

tibio psd	L	F k
-----------	---	-----

(-)

2 k marks, quite shallow, on lower shaft. broken.

no medullary bone.

"

goose

furc.		1
-------	--	---

"

goose

cor	L	1
-----	---	---

"

goose

ul p	R	1
------	---	---

"

goose

premax		1 ✓
--------	--	-----

"

fowl

furc.		1 ✓
-------	--	-----

259 220

fowl

tarsometatarsal psd	L	F ♀
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goose

furc.		1 k slightly immature
-------	--	-----------------------

goose

ra ps	R	1 ? worked
-------	---	------------

QL 67.7

chopped through midline.

k mark at prox end and distal end appears to be worked to a point.

goose

ra s	R	1
------	---	---

"

wing phal.		1, p.
------------	--	-------

"

foot phal.		1
------------	--	---

fowl

stern.		1 ✓
--------	--	-----

cont. p 7.
Imm. skel on page 7

337 302

goose

sc	R	0
----	---	---

"

furc		0 ? periosteal exostosis.
------	--	---------------------------

"

hu p	R	1
------	---	---

"

cor sd	L	1
--------	---	---

"

cmc sd	R	1
--------	---	---

fowl

vt. thor.		1
-----------	--	---

628 287, cont. fowl

hu		1 v. imm.
----	--	-----------

cont.

f.	sp.	b. el.	LR	z fr.	
628 317	goose	cmc psd	R	F ⁿ	QL 84.4
"	"	furc.		1	
484 454	goose	cor	L	F	QL 74.2

259, 220, cont. fowl, immature? skel. + 3 imm extra tarsomet, hu extra.

oc	R	0
"	L	0
cor psd	R	0
" psd	L	0
hu psd	R	0
ul ps	R	0
" psd	L	0
ra	?	0
cmc	?	0
fe	R	0
"	L	0
tibts	R	0
"	L	0
tarsomet.	R	3x0
"	L	2x0
hu	L	0
sternum		0

at what age do spurs develop?

< other humerus.

mni 3; ⁽¹⁶⁾ skel + 4 bones.

all wing, + 1 trait (220, page 6)

separated

1 Bird bones are in box 6.

Fowl Meas.

Use R, when a pair.

	cor	hu	ra	ul	cmc	QL	fe	Sp	SD	3d	tibts	tmt	SC
337 314	sk {	+057.69		62.4		71.8					97.6		
"	58.4	63.7											
"	50.4	57.1	65.2	72.2		75.6	16.1	6.7	15.5		119.7	81.8	7.1
"		76.1											
"		44.8	59.0	75.8		84.5	18.1	8.0	18.5		110.2	70.6	6.1
"		66.7											
"		65.6	59.0	64.8		74.5	15.1	6.2	14.1		98.2	67.5	5.7
"		67.0	59.3	65.5		73	15.4	6.1	14.0			70.0	5.9
"				65.4									
628 319	52	64.5	60.0	62.2		76.8	15.6	6.4	13.4		97.5	72.9	6.4
	53.4	68.7		66.2		77	15.2	6.5	14.8			63.3	6.1
	53.7	69.3				71.1	13.6	7.0	14.4			62.3	6.0
sk {		68.6	61.6	68.2		77.5	15.3	6.8	15.6		107.1	72.0	6.6
" 318			60.2		36.8	76	15.2	6.6	14.3		105		
" "					39								

7.1 - rudimentary spur.

skull 94.18.1

limbs + toes

267.9	610.2	424.3	602.7	75.8	757.8	49.6	60.3	149.9	735.3	560.4
5	9	7	9	2	10	9	9	10	7	8

Fowl.

Measurements.
Standard Deviations.

hu ²	ra	u _{ha}	h _{biatarau}
4057.69	4251.04	3893.76	9525.76
5791.21	3481	5212.84	14328.09
4448.89	3481	5745.64	12144.04
4303.36	3516.49	4199.04	9643.24
4489	3600	4290.25	9506.25
4160.25	2794.56	4277.16	11470.41
4719.69	3624.04	3868.84	11025
4802.49	4264.09	4382.44	12100
4705.96	4290.25	4651.24	12996
	4747.21	5184	10506.25
5097.96	3469.21	4624	
4844.16	3169.69	3696.64	
4462.24		4186.09	
			113245.04

$$\sum_{i=1}^N x_i^2 = 55882.90 \quad 45688.58 \quad 58211.94$$

$$\frac{(\sum_{i=1}^N x_i)^2}{N} = 669124 \div 12 = 55760.33\bar{3} \quad -45534.72 \quad 57982.403 \quad 112741.92$$

$$\text{Variance} = 10.214 \quad 12.82 \quad 17.656692$$

$$\sqrt{V} = SD = 3.20 \quad 3.58 \quad 4.202 \quad 7.093$$

fc GL	Bp	Shaff Diam.	Bd.	hmt.
5155.24				6691.24
5715.36	259.21	44.89	240.25	4984.36
7140.25	327.61	64	342.25	4556.25
5550.25	228.01	38.44	198.81	4900
5329	237.16	37.21	196	5314.41
5898.24	243.36	40.96	179.56	4006.89
5929	231.04	42.25	219.04	3881.29
5055.21	184.96	49	207.36	5184
6006.25	234.09	46.24	243.36	5505.64
5776	231.04	43.56	219.04	6707.61
5041	210.25	28.09	174.24	4583.29
4664.89	193.21	39.69	184.96	4356
5270.76	216.09	36	193.21	5097.96
72531.09	2796.03	510.33	2817.12	65768.94
72332.16	2781.6075	505.70	2794.4892	65334.35

$$\text{Variance} = 15.302307 \quad 1.201875 \quad 1.201875 \quad 1.319 \quad 5.782$$

$$SD = 3.912 \quad 1.096 \quad 1.096 \quad 1.319 \quad 5.782$$

over
AGS 46

Bd

65

70

75

80

85

GL

Catalogue of fish bones from George Street, Aylesbury

- 259:220 1 left dentary, trout Salmo trutta L., c. 65 cm TL
 1 right maxilla, trout
- 1 cleithrum, whiting Merlangius merlangus (L.), c. 35 cm TL
- 7 precaudal vertebral centra, cod Gadus morhua L. c. 80 cm TL
 3 caudal vertebral centra, cod
- 1 cleithrum fragment, ling Molva sp.
 1 caudal vertebral centrum, ling
- 1 maxilla, mackerel Scomber scombrus L.
 1 caudal vertebral centrum, mackerel
- c. 40 fin rays and fragments, indeterminate
- 337:302 2 fragments, indet.
- 337:314 3 fragments, indet.
- 370:122 1 caudal vertebral centrum, cod
- 397:396 1 supra cleithrum, cod
 1 precaudal vertebral centrum, cod, (23.8 mm) >100 cm TL
- 1 cleithrum fragment, cod family Gadidae
- 436:381 1 vomer, conger eel Conger conger (L.), >100 cm TL
 1 maxilla, conger eel
 1 parasphenoid, conger eel
 4 cranium fragments, conger eel
- 1 post temporal, cod
 1 supra cleithrum, cod
 1 epihyal, cod
 2 caudal vertebral centra, cod
- 484:431 9 cleithrum fragments, cod
 1 branchiostegal ray, indet.
 1 fin ray, indet.
- 528:509 1 branchiostegal ray, indet.
- 628:281 1 fragment, indet.
- 639:462 1 cleithrum fragment, cod