

**TABLE 8.1**  
**ABUNDANCE OF MARINE MOLLUSCS BY GROUP - BURY ST EDMUNDS ABBEY**

GROUP	1	2	3	4	5a	5b	6	Med	TOTALS
COCKLE (VALVES)	0	0	0	0	21	0	6	0	27
DOG WHELKS	0	0	0	0	1	0	0	0	1
MUSSEL (VALVES)	0	0	0	0	89	0	51	0	140
NETTED WHELKS	0	0	0	0	0	0	5	0	5
OYSTER (VALVES)	5	9	2	4	623	17	98	138	896
WHELKS	0	0	0	0	88	0	17	1	106
WINKLES	0	0	0	0	1	0	1	0	2
RAZOR SHELLS	0	0	0	0	1	0	0	0	1

**TABLE 8.2**  
**DISTRIBUTION OF OYSTER SHELLS FROM BURY ST EDMUNDS ABBEY BY CONTEXT**

CONTEXT	SAMPLE	GROUP	LV	UMLV	RV	UMRV
1	992	Post-med	14	6	13	4
4	993	Post-med	6	1	3	2
4	1376	Post-med	3	1	2	0
22	24	Post-med	1	0	0	0
24	997	Post-med	1	0	0	1
27	23	6	0	0	0	1
27J	52	6	0	0	0	1
28	68	Medieval	2	0	1	0
28	1002	Medieval	6	6	6	5
33H	62	5B	0	2	4	5
34	72	Post-med	2	0	1	0
34	1007	Post-med	0	2	0	1
49	1012	6	3	6	1	16
49	1379	6	0	0	0	f
49	1952	6	0	0	1	0
56	1016	Medieval	0	2	1	2
262	1021	Medieval	1	1	0	1
272	820	5A	1	0	1	0
281	1027	Post-med	0	2	7	2
297	881	6	2	6	1	1
297	1031	6	7	9	7	7
314	1065	5A	0	0	0	0
315	1062	5A	6	20	27	27
316	1381	5A	3	1	5	1
316	?850	5A	36	29	41	25
316	?649	5A	43	73	57	51
319	1067	5A	1	2	1	2
322	1068	6	0	5	0	5
334	?851	5A	21	29	21	48
334	852	5A	0	0	0	0
335	1069	5A	0	4	2	5
337	1070	5A	0	1	0	0
338	1071	4	0	1	1	2
341		Unphased	0	1	0	0
345	1073	2	1	2	0	1
349=354	1074	Unphased	0	0	0	0
352	1075	2	0	1	0	2
353	1076	5A	2	12	2	7
354	1077	Unphased	0	0	0	0
355	1078	6	0	0	0	f
358	1079	6	0	0	0	1
383	1080	5A	0	f	0	1
398	1081	6	0	f	0	0
399	1082	5A	0	1	0	0
422	1112	2	0	1	0	0
423	1113	2	0	0	0	1
424	1114	3	0	0	1	0

TABLE 8.2 continued

CONTEXT	SAMPLE	GROUP	LV	UMLV	RV	UMRV
426	1115	3	0	0	0	1
477	1272	5A	0	0	0	1
479	1275	1	1	2	0	f
483	1278	1	0	0	0	f
484	1280	1	0	0	0	1
486	1283B	Burrow	0	0	0	0
489		Unphased	0	f	0	0
553		Post-med	0	0	0	0
555	1412	Medieval	6	8	5	13
560	1413	Post-med	1	4	2	0
563	1414	Medieval	2	2	2	2
564	1415	Post-med	0	1	0	0
565	1416	Post-med	0	1	0	f
566	1417	Medieval	0	1	3	5
568	1418	Post-med	5	5	9	1
569	1419	Post-med	0	1	1	1
571	1420	Medieval	3	0	5	1
572	1421	Medieval	2	0	0	0
573	1422	Medieval	3	3	3	4
574	1423	Medieval	0	1	2	0
576	1424	Medieval	2	0	2	0
578	1425	Medieval	0	1	0	0
579	1426	Medieval	0	1	0	0
580	1427	Medieval	2	0	0	0
583	1428	Medieval	0	0	0	f
584	1429	Medieval	0	1	0	0
585	1430	6	0	1	0	1
585	1300	6	0	5	0	8
586	1431	Medieval	0	0	0	1
588	1432	Medieval	2	2	2	2
589	1433	Medieval	0	0	0	1
591	1434	Post-med	0	0	0	2
592	1295	Post-med	67	30	79	26
592	1435	Post-med	51	14	44	15
593	1437	5B	0	0	1	0
593	1298	5B	1	0	0	1
598	1438	5B	0	0	0	1
600	1188	Post-med	0	2	0	2
601	1189	Post-med	1	1	0	2
602	1190	5A	1	0	1	2
603	1193	Post-med	0	0	0	1
606	1148	5A	0	1	1	1
609	1192	Post-med	3	1	7	2
610	1178	Post med	14	7	15	8
611	1197	Post-med	2	1	1	0
622	1202	5B	1	1	0	0
623	1205	Unphased	0	0	0	f
625	1157	5A	0	1	0	f
630	1211	Post-med	0	f	0	0
631	1214	Post-med	0	0	0	0
635	1218	5A	0	0	1	1

TABLE 8.2 continued

CONTEXT	SAMPLE	GROUP	LV	UMLV	RV	UMRV
637	1222	Post-med	0	1	0	0
638	1247	Unphased	0	2	0	1
640	1229	5A	0	1	0	0
641	1232	Post-med	3	4	10	9
642	1234	Unphased	0	f	0	0
644	1238	Post-med	5	5	8	12
688	1256	Unphased	0	f	0	f
TOTALS			340	339	411	357

**KEY**

LV left valve  
 UMLV unmeasurable left valve  
 RV right valve  
 UMRV unmeasurable right valve  
 f represents fragment

**TABLE 8.3**  
**DISTRIBUTION OF OYSTER SHELLS FROM BURY ST EDMUNDS ABBEY BY GROUP**

<b>VALVE TYPE</b>	<b>LV</b>	<b>UMLV</b>	<b>RV</b>	<b>UMRV</b>
GROUP 1	1	2	0	1
GROUP 2	1	4	0	4
GROUP 3	0	0	1	1
GROUP 4	0	1	1	2
GROUP 5A	114	175	160	172
GROUP 5B	2	3	5	7
GROUP 6	12	32	10	41
MEDIEVAL	31	29	32	37
POST-MEDIEVAL	179	90	202	91
UNPHASED	0	3	0	1

**TABLE 8.3a**  
**LARGEST COMPONENT OF OYSTER SHELLS FROM BURY ST EDMUNDS ABBEY**

<b>GRP</b>	<b>LV</b>	<b>UMLV</b>	<b>TOT LV</b>	<b>%UMLV</b>	<b>RV</b>	<b>UMRV</b>	<b>TOT RV</b>	<b>%UMRV</b>
5A	114	175	289	60.6	160	172	332	51.8

FIGURE 8.1 SIZE FREQUENCY HISTOGRAMS FOR LVMID OF EAST COAST OYSTER SHELL SAMPLES

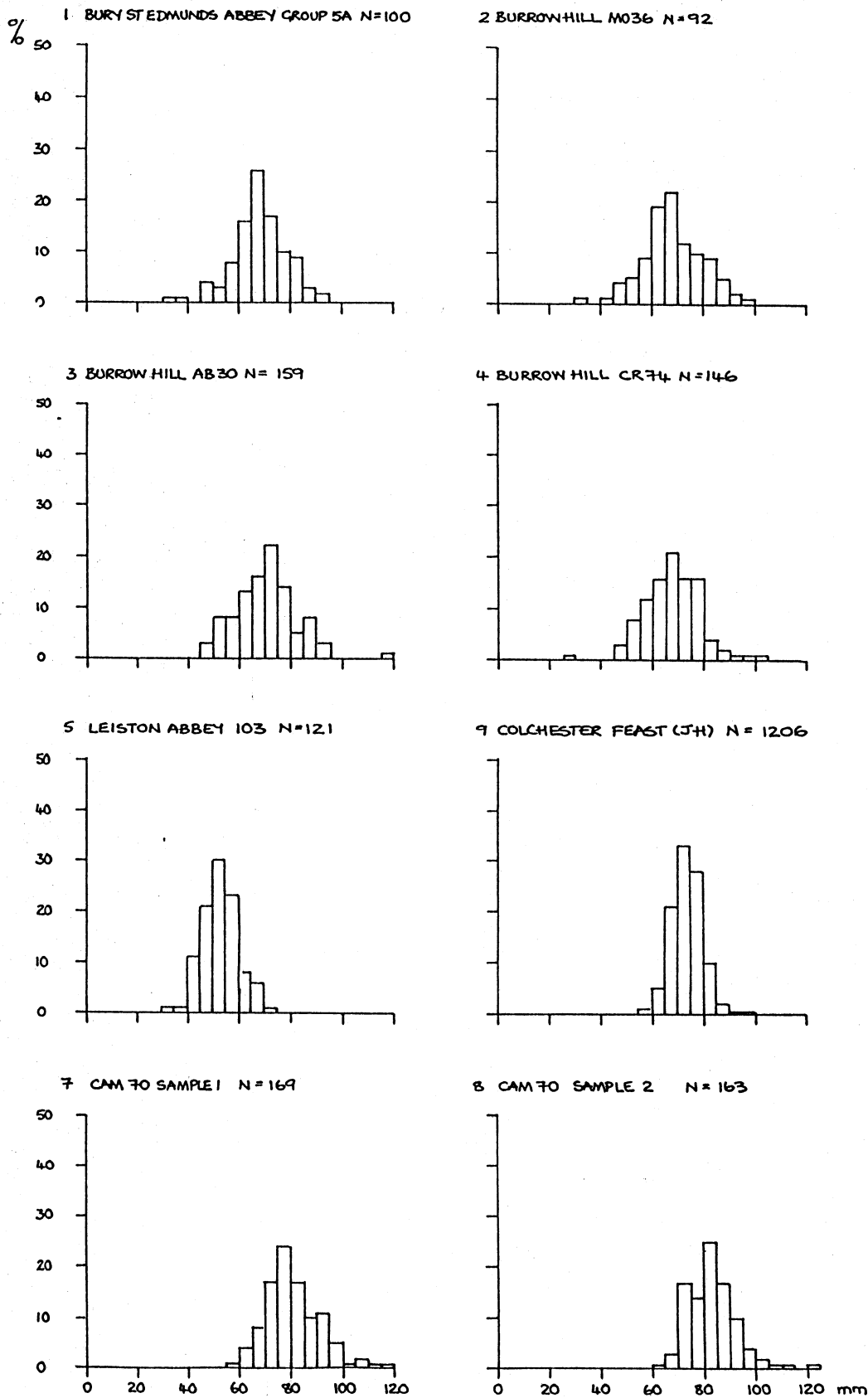


TABLE 8.4

SIZE OF OYSTER SHELLS FROM BURY ST EDMUNDS ABBEY AND OTHER SITES  
(DIMENSION: LVMD left valve maximum diameter)

SAMPLE	N	MEAN	SDEV
<b>EAST COAST LOCATIONS</b>			
1 Bury St Edmunds Abbey Group 5A	100	67.8	10.36
1a Bury St Edmunds Abbey The rest	45	63.6	12.73
1b Bury St Edmunds Abbey Medieval	31	60.9	10.68
2 Burrow Hill 81 M036	92	67.5	12.06
3 Burrow Hill F50 AB30	159	69.4	11.43
4 Burrow Hill 82 CR74	146	67.2	11.29
5 Leiston Abbey 103	121	52.5	6.87
Colchester:			
7 CAM 70 E19 F316 L8 sample 1	169	80.3	10.50
8 CAM 70 E19 F316 L8 sample 2	163	81.3	9.67
9 Colchester Feast (JH)	1206	73.7	22.28
10 River Colne natives 1960/61	650	79.4	6.4
11 River Roach natives 1960/61	750	78.6	5.2
12 North Shoebury 0304A s113	97	59.5	13.60
13 North Shoebury 1036 s299	98	81.1	11.33
14 North Shoebury 1150 s422	156	79.7	11.74
15 North Shoebury 1150A s446	143	79.7	13.09
16 North Shoebury 1563A s1063B	75	67.2	9.35
17 North Shoebury 1364B s917B	93	81.8	11.78

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BSEA Tab 8.5

5a of med & rest  
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TABLE 3.6

AVERAGE (%) RATE OF INFESTATION IN OYSTER SHELLS FROM BURY ST EDMUNDS ABBEY AND  
OTHER ARCHAEOLOGICAL AND MODERN OYSTER SAMPLES

## KEY

i	<u>Polydora ciliata</u>
ii	<u>Polydora hoplura</u>
iii	<u>Cliona celata</u>
iv	Calcareous tubes
v	Barnacles
vi	Polyzoa
vii	Boreholes
viii	Sand tubes

SAMPLE	N	i	ii	iii	iv	v	vi	vii	viii
<b>EAST COAST LOCATIONS</b>									
1 Bury Gp 5A	262	16.8	0.0	0.4	0.0	0.8	0.4	1.5	0.4
2 Burrow M036	221	10.4	0.0	2.3	0.0	12.7	24.9	1.4	10.4
3 Burrow AB30	296	12.1	0.0	1.4	0.3	4.1	18.6	1.7	6.1
4 Burrow CR74	302	6.0	0.0	1.0	0.0	1.3	5.0	4.0	6.3
5 Leiston 103	243	5.4	0.0	1.2	1.2	1.7	0.8	1.7	2.9
7 CAM 70 s1	169	70.4	0.0	3.6	0.0	0.0	1.2	0.0	0.0
8 CAM 70 s2	163	66.9	0.0	1.8	0.0	0.6	0.6	0.0	0.0
9 Colchester Feast (JW)	330	95.8	0.3	0.9	0.3	91.2	28.8	0.0	0.0
12 Shoebury 113	179	66.5	0.0	0.0	0.0	1.7	2.2	0.0	0.0
13 Shoebury 299	206	82.5	0.0	0.0	0.0	4.4	0.5	0.0	0.5
14 Shoebury 422	156	87.8	0.0	0.6	0.0	9.6	3.2	0.0	0.0
15 Shoebury 446	143	89.6	0.0	1.4	0.0	14.0	7.7	0.0	0.0
16 Shoebury 1063B	75	86.7	0.0	0.0	0.0	4.0	10.7	0.0	0.0
17 Shoebury 917B	93	45.2	0.0	0.0	0.0	25.8	15.1	0.0	0.0
<b>MEAN PERCENTAGES</b>		53.0	0.02	1.0	0.1	12.3	8.6	0.7	1.9

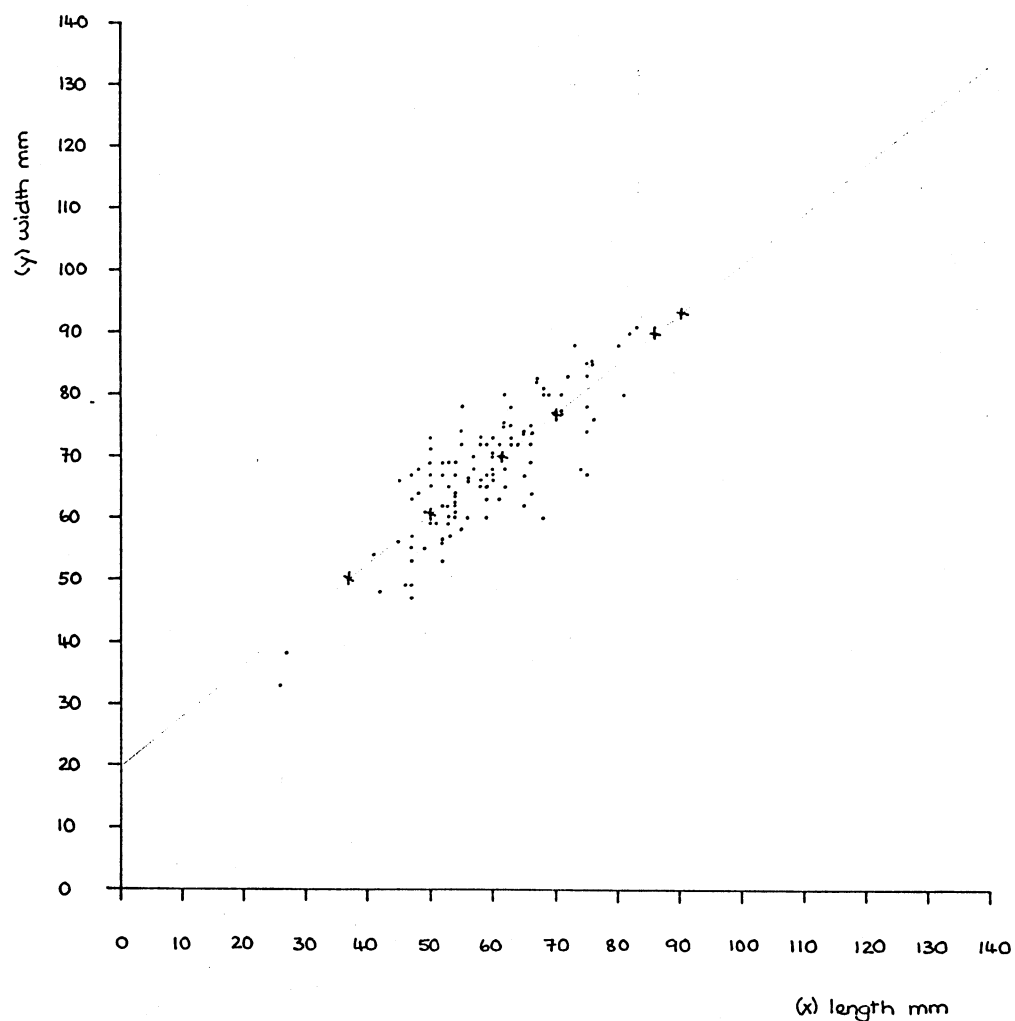
**TABLE 8.7**  
**OTHER CHARACTERS RECORDED FOR EAST COAST OYSTER SHELL SAMPLES**  
 (Actual numbers)

SAMPLE	N	A	B	C	D	E	F	G	H	I	J	K	L
1	274	20	23	27	8	26	28	39	19	18	28	4	1
1a	96	7	8	3	2	3	14	19	0	6	15	2	1
1b	63	5	4	2	2	1	8	9	0	2	10	1	0
2	220	50	42	13	15	61	6	4	47	13	71	7	3
3	296	3	39	38	17	57	42	40	0	11	52	9	4
4	303	3	9	8	4	15	26	24	0	19	67	18	1
5	244	1	8	2	6	16	2	2	2	11	23	1	0
7	169	2	54	46	12	70	4	4	22	19	97	1	0
8	163	1	45	47	13	94	7	7	21	16	73	7	0
9	330	2	28	28	4	315	1	2	125	22	31	4	243
12	180	4	8	7	0	16	12	8	9	31	34	20	0
13	206	5	8	8	10	41	31	30	15	4	13	0	0
14	156	0	9	7	4	66	3	4	5	4	31	0	0
15	143	11	10	10	5	89	9	7	19	5	55	3	0
16	75	2	0	0	0	3	0	0	3	18	13	0	0
17	93	2	9	8	4	35	0	0	6	22	20	1	0

**KEY**

A	Thin	G	Flaky
B	Thick	H	Colour/stain
C	Heavy	I	Oysters attached
D	Chambered	J	Irregular shape
E	Chalky deposit	K	Notches/cuts
F	Worn	L	Ligament

FIGURE 8.3a 1. BURY ST EDMUNDS ABBEY GROUP SA LEFT VALVES OYSTER LENGTH / WIDTH SCATTERGRAM  
N = 114

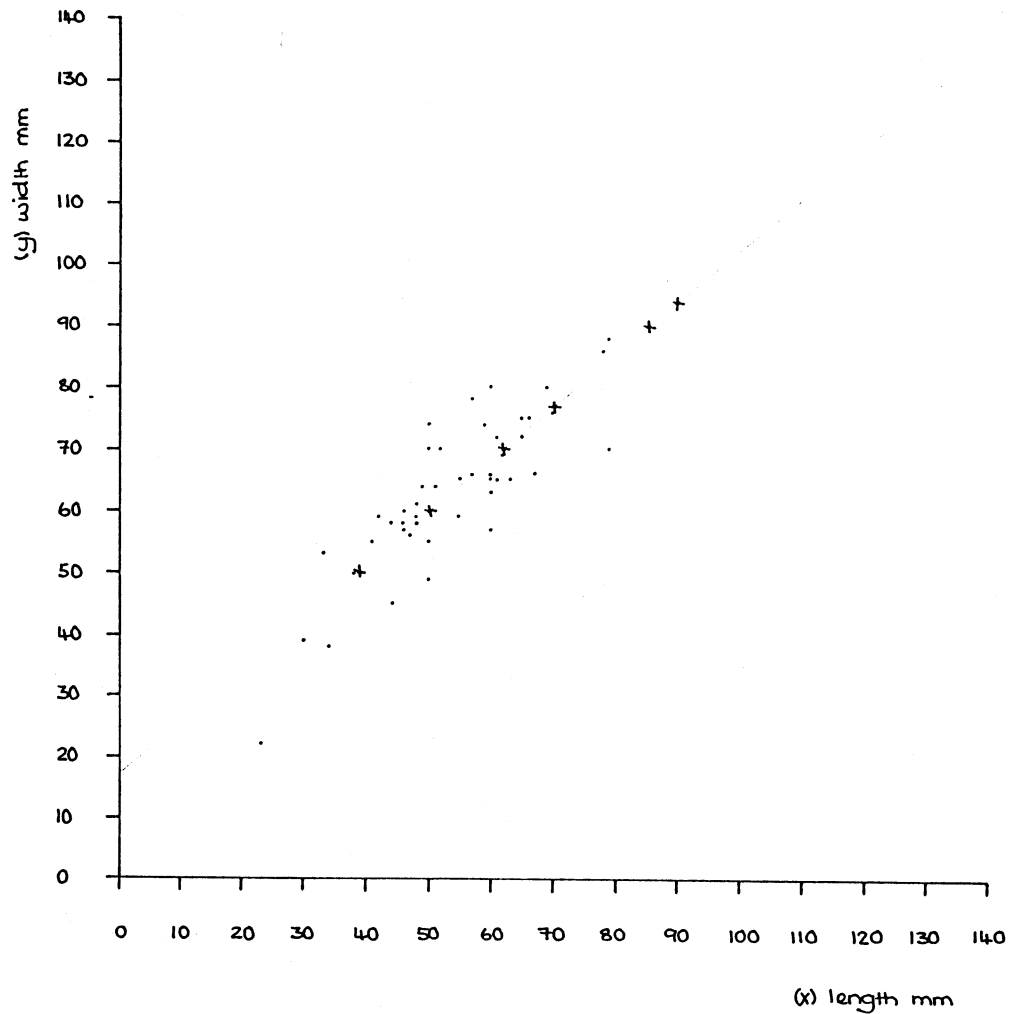


N	= 114
Slope	= 0.82 (39.28 °)
y intercept	= 19.77
Correlation co-efficient	= 0.83
Mean y	= 68.03
Variance y	= 110.17
Standard deviation y	= 10.54
Mean x	= 59.02
Variance x	= 114.46
Standard deviation x	= 10.75

Calculated points:

When y = 50, x	= 36.97
y = 70, x	= 61.43
y = 90, x	= 85.89
When x = 50, y	= 60.65
x = 70, y	= 77.01
x = 90, y	= 93.36

FIGURE 8.3b la BURY ST EDMUNDS ABBEY ALL BUT 5A LEFT VALVES OYSTER LENGTH/WIDTH SCATTERGRAM  
N = 45

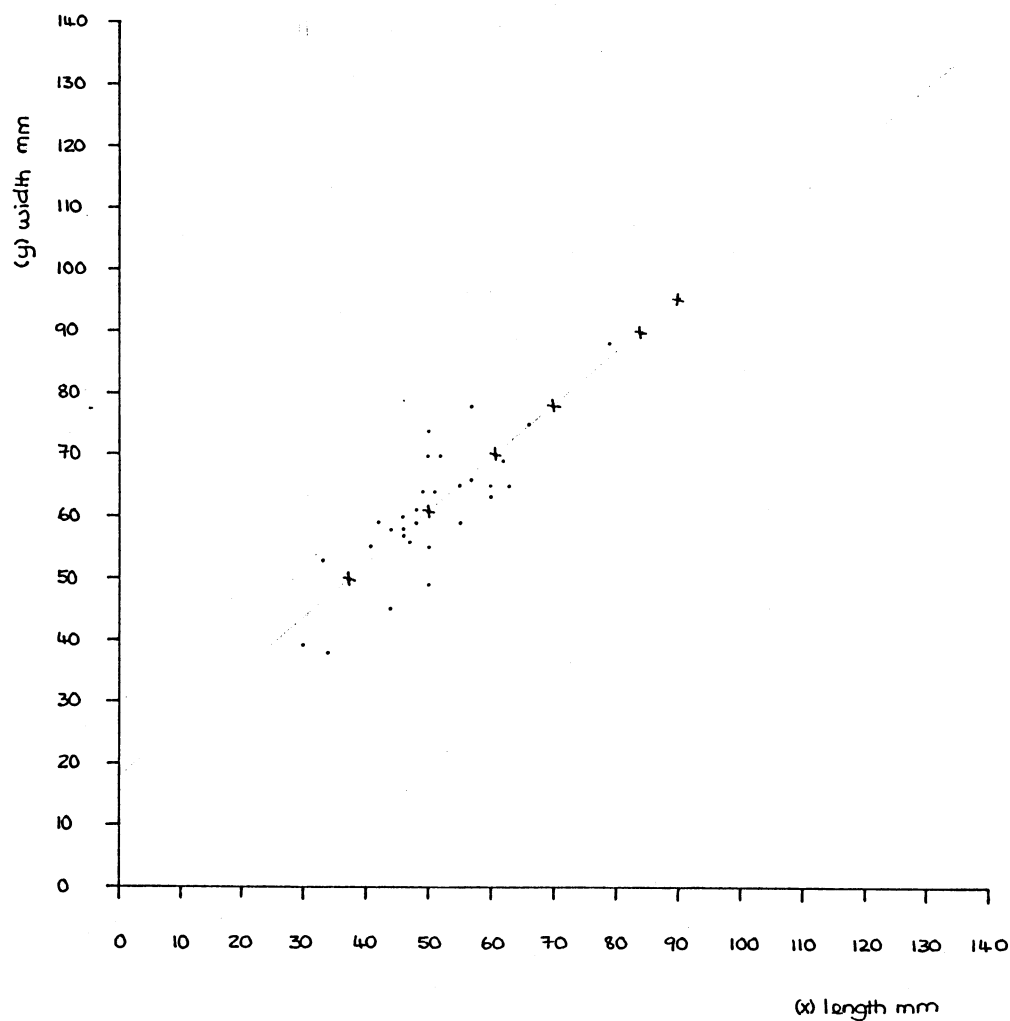


N	=	45
Slope	=	0.86 (40.6°)
y intercept	=	16.98
Correlation co-efficient	=	0.84
Mean y	=	63.27
Variance y	=	157.08
Standard deviation y	=	12.68
Mean x	=	54.00
Variance x	=	153.16
Standard deviation x	=	12.52

Calculated points:

When y = 50, x	=	38.52
y = 70, x	=	61.86
y = 90, x	=	85.19
When x = 50, y	=	59.84
x = 70, y	=	76.98
x = 90, y	=	94.12

FIGURE 8.3C 1b. BURYST EDMUNDS ABBEY MEDIEVAL GROUP LEFT VALVES OYSTER LENGTH/WIDTH SCATTERGRAM  
N = 31



N	=	31
Slope	=	0.86 (40.83°)
y intercept	=	17.59
Correlation co-efficient	=	0.82
Mean y	=	60.87
Variance y	=	111.15
Standard deviation y	=	10.72
Mean x	=	50.1
Variance x	=	101.12
Standard deviation x	=	10.22

Calculated points:

When y = 50, x	=	37.52
y = 70, x	=	60.66
y = 90, x	=	83.81
When x = 50, y	=	60.79
x = 70, y	=	78.07
x = 90, y	=	95.35

**TABLE 8.8**  
**OTHER CHARACTERS RECORDED FOR EAST COAST OYSTER SHELL SAMPLES**  
 (Percentage frequency)

S	A	B	C	D	E	F	G	H	I	J	K	L
1	7.3	8.4	9.9	2.9	9.5	10.2	14.2	6.9	6.6	10.2	1.5	0.4
1a	7.3	8.3	3.1	2.1	3.1	14.6	19.8	0.0	6.3	15.6	2.1	1.0
1b	7.9	6.4	3.2	3.2	1.6	12.7	14.3	0.0	3.2	15.9	1.6	0.0
2	22.7	19.1	5.9	6.8	27.7	2.7	1.8	21.4	5.9	32.3	3.2	1.4
3	1.0	13.2	12.8	5.7	19.3	14.2	13.5	0.0	3.7	17.6	3.0	1.4
4	1.0	3.0	2.6	1.3	5.0	8.6	7.9	0.0	6.3	22.1	5.9	0.3
5	0.4	3.3	0.8	2.5	6.6	0.8	0.8	0.8	4.5	9.4	0.4	0.0
7	1.2	32.0	27.2	7.1	41.4	2.4	2.4	13.0	11.2	57.4	0.6	0.0
8	0.6	27.6	28.8	8.0	57.7	4.3	4.3	12.9	9.8	44.8	4.3	0.0
9	0.6	8.5	8.5	1.2	95.5	0.3	0.6	37.9	6.7	9.4	1.2	73.6
12	2.2	4.4	3.9	0.0	8.9	6.7	4.4	49.4	17.2	18.9	11.1	0.0
13	2.4	3.9	3.9	4.9	19.9	15.1	14.6	7.3	1.9	6.3	0.0	0.0
14	0.0	5.8	4.5	2.6	42.3	1.9	2.6	3.2	2.6	19.9	0.0	0.0
15	7.7	7.0	7.0	3.5	62.2	6.3	4.9	13.3	3.5	38.5	2.1	0.0
16	2.7	0.0	0.0	0.0	4.0	0.0	0.0	4.0	24.0	17.3	0.0	0.0
17	2.2	9.7	8.6	4.3	37.6	0.0	0.0	6.5	23.7	21.5	1.1	0.0

**KEY**

A Thin	G Flak y
B Thick	H Colour/stain
C Heavy	I Oysters attached
D Chambered	J Irregular shape
E Chalky deposit	K Notches/cuts
F Worn	L Ligament

**TABLE 8.9**  
**SOURCES OF INFORMATION ON ARCHAEOLOGICAL OYSTER SHELLS**

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SAMPLE NOS.	SITE	SOURCE
2,3 & 4	Burrow Hill	Shells provided by V Fenwick Site report (Fenwick 1984)
5	Leiston Abbey	Shells provided by V Fenwick Site report (Fenwick in prep)
7 & 8	Colchester CAM 70	Subsample measurement and infestation records by author. Site report Niblet (1985)
12 - 17	North Shoebury	Peter Murphy, Centre for East Anglian Studies, University of East Anglia. Separate oyster shell report (Murphy in prep)

FIGURE 8.2 SIZE FREQUENCY HISTOGRAMS FOR LVMD OF EAST COAST OYSTER SHELL SAMPLES

