



# INDEX OF TEXAS ARCHAEOLOGY

*Open Access Gray Literature from the Lone Star State*

---

Volume 2014

Article 69

---

2014

## Documentation of Caddo Funerary Objects from the Crenshaw Site (3MI6) in the Gilcrease Museum Collections

Timothy K. Perttula

*Heritage Research Center, Stephen F. Austin State University*

Bo Nelson

Mark Walters

Robert Cast

Follow this and additional works at: <https://scholarworks.sfasu.edu/ita>



Part of the [American Material Culture Commons](#), [Archaeological Anthropology Commons](#), [Environmental Studies Commons](#), [Other American Studies Commons](#), [Other Arts and Humanities Commons](#), [Other History of Art, Architecture, and Archaeology Commons](#), and the [United States History Commons](#)

Tell us how this article helped you.

---

This Article is brought to you for free and open access by the Center for Regional Heritage Research at SFA ScholarWorks. It has been accepted for inclusion in Index of Texas Archaeology: Open Access Gray Literature from the Lone Star State by an authorized editor of SFA ScholarWorks. For more information, please contact [cdsscholarworks@sfasu.edu](mailto:cdsscholarworks@sfasu.edu).

---

## Documentation of Caddo Funerary Objects from the Crenshaw Site (3MI6) in the Gilcrease Museum Collections

Creative Commons License



This work is licensed under a [Creative Commons Attribution-NonCommercial 4.0 International License](https://creativecommons.org/licenses/by-nc/4.0/)

**Documentation of Caddo Funerary Objects from the Crenshaw Site  
(3MI6) in the Gilcrease Museum Collections**

*Timothy K. Perttula, Bo Nelson, Mark Walters, and Robert Cast*



**SPECIAL PUBLICATION NO. 19,  
FRIENDS OF NORTHEAST TEXAS ARCHAEOLOGY**

**2014**

Editor, Timothy K. Perttula  
10101 Woodhaven Dr.  
Austin, Texas 78753  
[tkp4747@aol.com](mailto:tkp4747@aol.com)

Distribution, Bo Nelson,  
344 CR 4154  
Pittsburg, Texas 75686  
[RBoNelson@aol.com](mailto:RBoNelson@aol.com)

Cover art:

French Fork Incised, *var. French Fork* and Coles Creek Incised, *var. Chase* hybrid  
barrel-shaped jar, Vessel 1447.

Copyright © 2014, Friends of Northeast Texas Archaeology  
(Pittsburg and Austin)

## **Table of Contents**

List of Figures .....	v
List of Tables .....	xv
Acknowledgements .....	xvi
Introduction and Purpose of the Study.....	1
Information on the Crenshaw Site and the Collections .....	1
The NAGPRA Collections .....	1
The Crenshaw Site .....	1
Ceramic Vessel Documentation Protocol.....	6
Vessels from the Crenshaw Site (3MI6) .....	8
Late Fourche Maline vessels .....	9
Early Caddo vessels .....	67
Middle Caddo vessels.....	181
Late Caddo vessels.....	263
Summary of the Crenshaw Vessels .....	264
Ceramic Pipes .....	273
Chipped Stone Tools .....	276
Arrow points.....	276
Large Biface .....	280
Ground Stone Tools .....	283
Celts .....	283
Perforated Gorget .....	288
Boatstones .....	290
Quartz Crystals and Other Artifacts.....	292
Quartz Crystals .....	292
Stone Ear Spools .....	292
Copper Artifacts .....	295
Pigments.....	296
Marine Shell Artifacts .....	297
Bone Artifacts .....	297

*Caddo Funerary Objects from the Crenshaw Site (3MI6) in the Gilcrease Museum Collections*

NAGPRA Findings and Recommendations . . . . .302

End Notes . . . . .303

References Cited . . . . .304

## List of Figures

1. The location of the Crenshaw site (3MI6) along the Red River in Southwest Arkansas. . . . .	2
2. Map of the Crenshaw site. Reproduced with the courtesy of the Arkansas Archeological Survey. . . . .	3
3. Cross section of Mound B facing west. Adapted from the Lemley notes (Judge Harry J. Lemley and Glen Martin, field notes, Lemley Papers, Gilcrease Museum, Tulsa, Oklahoma). Reproduced with the courtesy of John Samuelsen. . . . .	3
4. Cross section of Mound D facing north. Adapted from Lemley's notes (Lemley and Martin, Lemley Papers, Gilcrease Museum, Tulsa). Reproduced with the courtesy of John Samuelsen. . . . .	4
5. Location of cemeteries at the Crenshaw site found before 1962. Note Cemetery 3 south and southwest of Md. D. Reproduced with the courtesy of John Samuelsen. . . . .	5
6. Vessel 1357: a, side view; b, top view, showing the incised lip line. . . . .	9
7. Vessel 1358: a, side view; b, view of incised lip lines. . . . .	10
8. Williams Plain jar, Vessel 1375. . . . .	11
9. Coles Creek Incised, <i>var. Chase</i> jar, Vessel 1376. . . . .	12
10. Coles Creek Incised, <i>var. Greenhouse</i> bowl, Vessel 1377: a, side view; view of incised lip lines. . . . .	13
11. Coles Creek Incised, <i>var. Greenhouse</i> bowl, Vessel 1400. . . . .	14
12. Unidentified incised/grooved jar, Vessel 1479, possible Crenshaw Lobed type. . . . .	16
13. French Fork Incised, <i>var. French Fork</i> carinated bowl, Vessel 592: a, side view; b, top view, showing incised lip line. . . . .	17
14. Williams Plain jar, Vessel 1144. . . . .	18
15. French Fork Incised, <i>var. French Fork</i> jar, Vessel 1145: a, side view; b, top view. . . . .	19
16. Coles Creek Incised, <i>var. Chase</i> bowl, Vessel 1230: side view; b, top view of lip lines. . . . .	20
17. Coles Creek Incised, <i>var. Campbellsville</i> or <i>var. Greenhouse</i> bowl, Vessel 1231. . . . .	21
18. Crockett Curvilinear Incised bowl, Vessel 1232. . . . .	22
19. Plain collared bowl, Vessel 1233. . . . .	23
20. Plain jar, Vessel 1285. . . . .	24
21. Williams Plain jar, Vessel 1286. . . . .	25
22. Coles Creek Incised, <i>var. unspecified</i> bowl, Vessel 1287. . . . .	26
23. Williams Plain jar, Vessel 1288. . . . .	27
24. Coles Creek Incised, <i>var. unspecified</i> bowl: a, side view; b, bottom view. . . . .	28
25. Williams Plain jar, Vessel 1291. . . . .	29
26. Williams Plain jar, Vessel 1292. . . . .	30
27. Coles Creek Incised, <i>var. Keo</i> plate, Vessel 1293: a, side view, showing incised lip line; b, bottom view. . . . .	31

*Caddo Funerary Objects from the Crenshaw Site (3MI6) in the Gilcrease Museum Collections*

28. Williams Plain jar, Vessel 1294..	32
29. Williams Plain deep bowl, Vessel 1295. ....	33
30. cf. Coles Creek Incised, <i>var. Stoner</i> bowl, Vessel 1440. ....	34
31. Coles Creek Incised, <i>var. Chase</i> bowl, Vessel 1441: a, side view; b, top view, showing incised lip line.....	35
32. French Fork Incised, <i>var. French Fork</i> neckless jar, Vessel 1443. ....	36
33. Williams Plain deep bowl, Vessel 1445. ....	37
34. Coles Creek Incised, <i>var. Campbellsville</i> shallow bowl, Vessel 1446. ....	38
35. French Fork Incised, <i>var. French Fork</i> and Coles Creek Incised, <i>var. Chase</i> hybrid barrel-shaped jar, Vessel 1447.....	39
36. French Fork Incised, <i>var. unspecified</i> shallow bowl, Vessel 1449: a, side view; b, interior view; c, exterior basal view. ....	41
37. French Fork Incised, <i>var. unspecified</i> bowl, Vessel 1450.....	42
38. French Fork Incised, <i>var. unspecified</i> bowl, Vessel 1451.....	43
39. Coles Creek Incised, <i>var. Greenhouse</i> bowl, Vessel 1452. ....	44
40. Coles Creek Incised, <i>var. unspecified</i> barrel-shaped jar, Vessel 1453. ....	45
41. Williams Plain barrel-shaped bowl, Vessel 1458. ....	46
42. Coles Creek Incised, <i>var. Chase</i> or <i>var. Phillips</i> bowl, Vessel 1459.....	47
43. Coles Creek Incised, <i>var. Stoner</i> (?) boat-shaped bowl, Vessel 1460: a, side view: b, view of vessel base and incised lip line. ....	48
44. Agee Incised bowl, Vessel 1461: a hybrid of French Fork Incised, <i>var. French Fork</i> and Coles Creek Incised, <i>var. Chase</i> : a, side view; b, view of lip lines. ....	49
45. French Fork Incised, <i>var. French Fork</i> bowl, Vessel 1464: a, side view; b, view of the vessel interior and rim straps; c, decoration on the vessel exterior body and base.....	50
46. Coles Creek Incised, <i>var. Stoner</i> carinated bowl, Vessel 1465.....	51
47. Coles Creek Incised, <i>var. unspecified</i> bowl, Vessel 1466 ....	52
48. Williams Plain bowl and/or ladle, Vessel 1468: a, side view; b, view of the vessel interior. ....	53
49. Coles Creek Incised, <i>var. Greenhouse</i> bowl, Vessel 1442. ....	54
50. Williams Plain jar, Vessel 1448.....	55
51. Coles Creek Incised, <i>var. Chase</i> and French Fork Incised, <i>var. unspecified</i> hybrid, Agee Incised deep bowl, Vessel 1454: a, side view; b, top view, showing incised lip lines. ....	56
52. Williams Plain jar, Vessel 1455.....	57
53. French Fork Incised, <i>var. French Fork</i> bowl, Vessel 1456.....	58
54. French Fork Incised, <i>var. Larkin?</i> bowl, Vessel 1457.....	59
55. Coles Creek Incised, <i>var. Keo</i> boat-shaped bowl, Vessel 1462: a, side view; b, view of vessel interior and incised lip line.....	60



*Caddo Funerary Objects from the Crenshaw Site (3MI6) in the Gilcrease Museum Collections*

56. Coles Creek Incised, <i>var. Greenhouse</i> plate, Vessel 1463: a, side view, note incised lip line; b, exterior basal view.....	61
57. Williams Plain jar, Vessel 1467.....	62
58. Coles Creek Incised, <i>var. Greenhouse</i> bowl, Vessel 1469.....	63
59. Williams Plain jar, Vessel 1474.....	64
60. Williams Incised (?) jar, Vessel 1520.....	65
61. Unidentified plain jar, Vessel X, from an unknown provenience at the Crenshaw site.....	66
62. Engraved variant of Crockett Curvilinear Incised bowl, Vessel 1344.....	67
63. Engraved variant of Crockett Curvilinear Incised bowl, Vessel 1345.....	68
64. cf. Haley Complicated Incised jar, Vessel 1346.....	69
65. Engraved variant of Crockett Curvilinear Incised carinated bowl, Vessel 1347.....	70
66. Hickory Engraved bottle, Vessel 1348.....	71
67. Hickory Engraved jar, Vessel 1349.....	72
68. Spiro Engraved bottle, Vessel 1481.....	73
69. Unidentified incised jar, Vessel 1482.....	74
70. cf. Crockett Curvilinear Incised carinated bowl, Vessel 1483.....	75
71. Unidentified engraved oval-shaped bowl, Vessel 1492: a, side view; b, top down view.....	76
72. Crockett Curvilinear Incised bowl, Vessel 1496.....	77
73. Unidentified incised jar, Vessel 1497.....	78
74. Possible Sinner Linear Punctated jar, Vessel 1502.....	79
75. Smithport Plain or Sanders Plain bottle, Vessel 1507.....	80
76. Hickory Engraved bottle, Vessel 1508.....	81
77. cf. Haley Engraved bottle, Vessel 1350.....	82
78. Holly Engraved bottle, Vessel 1351.....	83
79. cf. Holly Fine Engraved bottle, Vessel 1352.....	84
80. cf. Smithport Plain bottle, Vessel 1353.....	85
81. Hickory Engraved bottle, Vessel 1354.....	86
82. East Incised bowl, Vessel 1355: a, side view: b, view of vessel where incised lines dip down under the tab tail.....	87
83. Hickory Engraved-Crenshaw Fluted jar, Vessel 1356.....	88
84. Plain bottle, Vessel 1359.....	89
85. Spiro Engraved bottle, Vessel 1360.....	90
86. Hickory Engraved-Holly Fine Engraved hybrid jar, Vessel 1361.....	91
87. Seed Jar, Vessel 1362.....	92

*Caddo Funerary Objects from the Crenshaw Site (3MI6) in the Gilcrease Museum Collections*

88. Holly Fine Engraved beaker, Vessel 1363. ....	93
89. Haley Complicated Incised jar, Vessel 1364.....	94
90. Haley Complicated Incised jar, Vessel 1365.....	95
91. Hickory Engraved bottle, Vessel 1366. ....	96
92. Hickory Engraved bottle, Vessel 1367. ....	97
93. Hickory Engraved bottle, Vessel 1368. ....	98
94. Hickory Engraved bottle, Vessel 1369. ....	99
95. Unidentified engraved bowl, Vessel 1370.....	100
96. Spiro Engraved bottle, Vessel 1371. ....	101
97. Hempstead Engraved carinated bowl, Vessel 1372. ....	102
98. Holly Fine Engraved shallow bowl: a, side view; b, top down view. ....	103
99. Crockett Curvilinear Incised bowl, Vessel 1374.....	104
100. Hickory Engraved bottle, Vessel 1378. ....	105
101. Holly Fine Engraved bottle, Vessel 1379. ....	106
102. Red-slipped bottle, Vessel 1380. ....	107
103. Hickory Engraved bottle, Vessel 1381. ....	108
104. Hickory Engraved bottle, Vessel 1381 1/2. ....	109
105. Hickory Engraved bottle, Vessel 1382. ....	110
106. Hickory Engraved, <i>var. East</i> bottle, Vessel 1382 1/2. ....	111
107. Hickory Engraved bottle, Vessel 1383. ....	112
108. Holly Fine Engraved bear effigy bowl, Vessel 1385: a, side view; b, excised scroll on vessel lip; c, close-up of one of the bear head effigies. ....	113
109. Punctated jar, Vessel 1386.....	115
110. Engraved variant of Crockett Curvilinear Incised bowl, Vessel 1388. ....	116
111. Pennington Punctated-Incised bowl, Vessel 1389.....	117
112. Holly Fine Engraved carinated bowl, Vessel 1390.....	118
113. Pennington Punctated-Incised bowl, Vessel 1391.....	119
114. Incised bowl, Vessel 1392.....	120
115. Hickory Engraved bottle, Vessel 1394. ....	122
116. Hickory Engraved bottle, Vessel 1395. ....	123
117. Hickory Engraved bottle, Vessel 1396. ....	124
118. Holly Fine Engraved bottle, Vessel 1397. ....	125
119. Hickory Engraved bottle, Vessel 1398. ....	126

*Caddo Funerary Objects from the Crenshaw Site (3MI6) in the Gilcrease Museum Collections*

120. Hickory Engraved bottle, Vessel 1399. . . . .	127
121. East Incised bowl, Vessel 1475: a, side view; b, view of incised lines as they dip down under a tab tail. . . . .	128
122. cf. Crockett Curvilinear Incised deep bowl, Vessel 1476. . . . .	129
123. Holly Fine Engraved carinated bowl, Vessel 1477. . . . .	130
124. Crockett Curvilinear Incised bowl, Vessel 1478. . . . .	131
125. Crockett Curvilinear Incised, <i>var. Ozan</i> jar, Vessel 1406. . . . .	132
126. cf. Pennington Punctated-Incised carinated bowl, Vessel 1407. . . . .	133
127. Unidentified engraved carinated bowl, Vessel 1408. . . . .	134
128. Haley Complicated Incised jar, Vessel 1409. . . . .	135
129. cf. Pennington Punctated-Incised carinated bowl, Vessel 1410. . . . .	136
130. Crockett Curvilinear Incised-Pennington Punctated-Incised hybrid jar, Vessel 1411. . . . .	137
131. Holly Fine Engraved red-slipped carinated bowl, Vessel 1412. . . . .	138
132. Haley Complicated Incised jar, Vessel 1413. . . . .	139
133. Hickory Engraved seed jar, Vessel 1414. . . . .	140
134. Hickory Engraved bottle, Vessel 1415. . . . .	141
135. Possible Smithport Plain bottle, Vessel 1416. . . . .	142
136. Hickory Engraved bottle, Vessel 1417. . . . .	143
137. Unidentified engraved bottle, Vessel 1418. . . . .	144
138. Red-slipped bottle, Vessel 1419. . . . .	145
139. Hickory Engraved, <i>var. East</i> bottle, Vessel 1420. . . . .	146
140. Dunkin Incised jar, Vessel 1421. . . . .	147
141. Hickory Engraved bottle, Vessel 1422. . . . .	148
142. Crockett Curvilinear Incised bowl, Vessel 1423. . . . .	149
144. cf. Pease Brushed-Incised jar, Vessel 1424. . . . .	150
144. Hickory Engraved bottle, Vessel 1425. . . . .	151
145. Hickory Engraved bottle, Vessel 1426. . . . .	152
146. Crockett Curvilinear Incised compound bowl, Vessel 1427. . . . .	153
147. cf. Sinner Linear Punctated jar, Vessel 1428. . . . .	154
148. East Incised bowl, Vessel 1429: a, side view; b, view of incised lines under one of the lip tabs. . . . .	155
149. Hickory Engraved bottle, Vessel 1430. . . . .	156
150. East Incised bowl, Vessel 1431: a, side view; b, incised lines under the lip tab tail; c, excised areas on vessel lip. . . . .	157

*Caddo Funerary Objects from the Crenshaw Site (3MI6) in the Gilcrease Museum Collections*

151. Hickory Engraved bottle, Vessel 1432. . . . .	158
152. Engraved variant of Crockett Curvilinear Incised carinated bowl, Vessel 1433. . . . .	159
153. Hickory Engraved bowl, Vessel 1434. . . . .	160
154. Engraved bottle, Vessel 1435. . . . .	161
155. Hickory Engraved bottle, Vessel 1436. . . . .	162
156. Hickory Engraved bottle, Vessel 1437. . . . .	163
157. Hickory Engraved bottle, Vessel 1438. . . . .	164
158. Crockett Curvilinear Incised bowl, Vessel 1439. . . . .	165
159. Coles Creek Incised, <i>var. Greenhouse</i> or Davis Incised carinated bowl, Vessel 1470. . . . .	167
160. Spiro Engraved bottle, Vessel 1471. . . . .	168
161. Spiro Engraved bottle, Vessel 1472. . . . .	169
162. Appliqued bottle, Vessel 1480. . . . .	170
163. cf. Pennington Punctated-Incised compound bowl, Vessel 1514. . . . .	171
164. Hickory Engraved bottle, Vessel 1515. . . . .	172
165. Spiro Engraved or Holly Fine Engraved bottle, Vessel 1516. . . . .	173
166. Crockett Curvilinear Incised bowl, Vessel 1519. . . . .	174
167. Pennington Punctated-Incised bowl, Vessel 1521. . . . .	175
168. Spiro Engraved bottle, Vessel 1530. . . . .	176
169. cf. Crockett Curvilinear Incised compound bowl, Vessel 1473. . . . .	177
170. Sinner Linear Punctated jar, Vessel 1517. . . . .	178
171. Holly Fine Engraved bowl with a pedestal base, Vessel 1113. . . . .	179
172. Engraved effigy bowl, Vessel 5425.2462. . . . .	180
173. Handy Engraved bottle, Vessel 1402: a, body panel; b, divider with vertically-oriented rectangle element. . . . .	181
174. Hempstead Engraved bowl, Vessel 1403. . . . .	183
175. cf. Handy Engraved compound bowl, Vessel 1404. . . . .	184
176. Haley Complicated Incised jar, Vessel 1405. . . . .	185
177. Possible Haley Engraved bowl, Vessel 1484. . . . .	186
178. cf. Haley Engraved carinated bowl, Vessel 1485. . . . .	187
179. East Incised bowl, Vessel 1486. . . . .	188
180. Haley Engraved bottle, Vessel 1487. . . . .	189
181. cf. Dunkin Incised jar, Vessel 1488. . . . .	190
182. Haley Complicated Incised jar, Vessel 1489. . . . .	191

*Caddo Funerary Objects from the Crenshaw Site (3MI6) in the Gilcrease Museum Collections*

183. Moore Noded bowl, Vessel 1490. . . . .	192
184. cf. Handy Engraved compound bowl, Vessel 1491. . . . .	193
185. Pease Brushed-Incised jar, Vessel 1493. . . . .	194
186. cf. Pease Brushed-Incised jar, Vessel 1494. . . . .	195
187. cf. Haley Engraved bottle, Vessel 1495. . . . .	196
188. Adair Engraved, <i>var. Adair</i> bottle, Vessel 1498. . . . .	197
189. Handy Engraved carinated bowl, Vessel 1500. . . . .	198
190. Engraved bottle of unknown type, Vessel 1501. . . . .	199
191. cf. Handy Engraved bottle, Vessel 1503. . . . .	200
192. Haley Complicated Incised jar, Vessel 1504. . . . .	201
193. Incised-punctated jar, Vessel 1505. . . . .	202
194. Handy Engraved compound bowl, Vessel 1506. . . . .	203
195. Military Road Incised jar, Vessel 1509. . . . .	204
196. Possible Pease Brushed-Incised jar, Vessel 1510. . . . .	205
197. cf. Pease Brushed-Incised jar, Vessel 1512. . . . .	206
198. Handy Engraved carinated bowl, Vessel 1523. . . . .	207
199. Handy Engraved carinated bowl, Vessel 1524. . . . .	208
200. Handy Engraved carinated bowl, Vessel 1525. . . . .	209
201. Brushed-incised-punctated jar, Vessel 1526. . . . .	210
202. Sanders Plain bottle, Vessel 1527. . . . .	211
203. Hatchel Engraved bottle, Vessel 1528. . . . .	212
204. Brushed jar, Vessel 1296. . . . .	213
205. Handy Engraved carinated bowl, Vessel 1297. . . . .	214
206. Handy Engraved compound bowl, Vessel 1298: a, rim panel; b, handle. . . . .	215
207. cf. Pease Brushed-Incised jar, Vessel 1299. . . . .	216
208. Haley Complicated Incised jar, Vessel 1300. . . . .	217
209. cf. Pease Brushed-Incised jar, Vessel 1301. . . . .	218
210. Handy Engraved carinated bowl, Vessel 1304. . . . .	220
211. Engraved effigy bowl, Vessel 1305: a, side view; b, top down view of the effigy vessel. . . . .	221
212. Pease Brushed-Incised jar, Vessel 1306. . . . .	222
213. Hatchel Engraved bottle, Vessel 1307. . . . .	223
214. Pease Brushed-Incised jar, Vessel 1308. . . . .	224

*Caddo Funerary Objects from the Crenshaw Site (3MI6) in the Gilcrease Museum Collections*

215. Handy Engraved carinated bowl, Vessel 1309. . . . .	225
216. cf. Handy Engraved bottle, Vessel 1310. . . . .	227
217. Engraved carinated bowl of unidentified type, Vessel 1311. . . . .	228
218. Engraved bowl of unidentified type, Vessel 1312: a, side view, note punctations or notching; b, view of the vessel interior and sprockets. . . . .	229
219. cf. Haley Engraved jar, Vessel 1313. . . . .	230
220. Handy Engraved carinated bowl, Vessel 1314. . . . .	231
221. Haley Engraved bottle, Vessel 1315. . . . .	233
222. Handy Engraved carinated bowl, Vessel 1317. . . . .	234
223. Haley Engraved bottle, Vessel 1318. . . . .	235
224. Handy Engraved carinated bowl, Vessel 1319. . . . .	236
225. Hickory Engraved, <i>var. East</i> jar, Vessel 1320. . . . .	237
226. Pease Brushed-Incised jar, Vessel 1321. . . . .	238
227. Handy Engraved carinated bowl, Vessel 1322. . . . .	239
228. Brushed-punctated-appliqued jar, Vessel 1323. . . . .	240
229. Pease Brushed-Incised jar, Vessel 1325. . . . .	241
230. Handy Engraved carinated bowl, Vessel 1326. . . . .	242
231. cf. Pease Brushed-Incised jar, Vessel 1529. . . . .	243
232. Handy Engraved compound bowl, Vessel 1330. . . . .	244
233. Pease Brushed-Incised jar, Vessel 1331. . . . .	245
234. Haley Complicated Incised jar, Vessel 1333. . . . .	247
235. Handy Engraved compound bowl, Vessel 1334. . . . .	248
236. Late variety of Dunkin Incised, or possibly Pease Brushed-Incised, <i>var. Howard</i> jar, Vessel 1336. . . . .	249
237. Handy Engraved carinated bowl, Vessel 1337. . . . .	250
238. Handy Engraved compound bowl, Vessel 1339. . . . .	251
239. Haley Engraved bottle, Vessel 1340. . . . .	252
240. Haley Engraved bottle, Vessel 1341. . . . .	253
241. Handy Engraved carinated bowl, Vessel 1343. . . . .	254
242. cf. Friendship Engraved bottle, Vessel 1533. . . . .	256
243. cf. Haley Engraved bottle, Vessel 1513. . . . .	258
244. Handy Engraved carinated bowl, Vessel 1518. . . . .	259
245. Seed Jar, Vessel 1522. . . . .	260
246. Incised jar, Vessel 1114. . . . .	261

*Caddo Funerary Objects from the Crenshaw Site (3MI6) in the Gilcrease Museum Collections*

247. Haley Complicated Incised jar, Vessel 1115.....	262
248. Hodges Engraved tripod bottle, Vessel 1499: a, side view; b, view of tripod legs.....	263
249. Miller's Crossing Red River pipes: a, MP-6; b, MP-7; c, MP-8; d, P-181; e, P-183.....	274
250. Graves Chapel Red River pipes: a, BP-60; b, BP-61; c, BP-62; d, P-179.....	275
251. Late Caddo elbow pipe, P-190, 5425.4438.....	276
252. Arrow points from Mound D, Variety A, H-363.....	277
253. Variety A, B, and D arrow points from Mound B, Pit 2, Burial 1, H-373.....	279
254. Variety A-C arrow points, Mound B, Pit 3, Burial 4, H-377: a-e, Variety A; f-i, Variety B; j-k, Variety C.....	279
255. Variety A, Variety B, and Variety E arrow points, from Mound B, Pit 2, Burial 1 (H-375) and cemetery southwest of Mound D (H-381): c-d, g-h; Variety A, a, e, i, Variety B; and b, f, Variety E.....	280
256. Novaculite arrow points from Burial 6, Mound D, H-403.....	281
257. Variety B arrow points, Mound D, Burial 8, H-366: a-q, Variety B; r, unidentified, but probably also a Variety B point.....	281
258. Variety A and B arrow points, Mound B, Pit 3, Burial 2, H-374: a-f, novaculite; g, brown chert; h, quartzite.....	282
259. Variety A and B arrow points, Mound B, Pit 3, Burial 6, H-376: a-b, f-g, i-l, n-p, r, novaculite; d, jasper; c, e, h, m, q, s, brown chert.....	282
260. Large chipped biface from Mound D, S-914, 61.58910.....	283
261. Petaloid celt, Mound D, N-625.....	285
262. Petaloid celts from Mound D and Cemetery 3 southwest of Mound D: a, N-611; b, N-609; c, N-624.....	285
263. Pebble celts and chisel/celts from the Crenshaw site: a, chisel/celt, N-626; b, pebble celt, N-621.....	286
264. Elongated and petaloid celts from Middle Caddo burial features: a, petaloid celt, N-614; b, elongated celt, N-615.....	286
266. Fourche Maline and Early Caddo celts with visible signs of pecking: a, N-617; b, N-620.....	287
265. Early Caddo polished celts: a, N-610; b, N-627.....	287
267. Pebble celts and a petaloid celt: a, N-731; b, N-613; c, N-616.....	288
268. Pebble celts, chisel/celts, and a petaloid celt: a, N-623; b, N-628; c, N-629; d, N-618.....	289
269. Possible novaculite polished petaloid celt, N-619, Pit 10, Mound B.....	289
270. Perforated gorget (G-298, 6123.1978) in a grave near and southwest of Mound D.....	290
271. Boatstones from the Crenshaw site: a, side view, top, B-181, bottom, B-182; b, view of their base and central groove, top, B-181, bottom, B-182; c, view of the hollowed out areas, top, B-181, bottom, B-182.....	291

*Caddo Funerary Objects from the Crenshaw Site (3MI6) in the Gilcrease Museum Collections*

272. Quartz crystals from the northeast corner of Pit 8 in Mound B: a, M-301 (6125.278); b, M-301 (6125.279).....	293
273. Sandstone or siltstone ear spools from Mound D: a, inner surface, left (E-30), right (E-31); b, outer surface, left (E-30), right (E-31). . . . .	294
274. Copper artifacts from the Crenshaw site: a, sphere-shaped, Md. D, 1 ft. bs, M-323, 6325.131; b, copper covering to ear spool, E-35, 6325.130.....	295
275. Pigment mass with large pole impression and cord impression on one surface, M-299, 5925.1.....	296
276. Conch shell cup from the Crenshaw site, Pit 8 in Mound B, M-295: a, outer or dorsal surface; b, inner or ventral surface. . . . .	297
277. Smoothed bone pin from Fourche Maline cemetery 300 yards northwest of Mound B, D-158, 8325.536. . . . .	298
278. Bone pins and needles, Fourche Maline and Early Caddo contexts: top, D-119 (Md. B, Pit 8); second from top, D-110 (Fourche Maline village debris under Md. D); third from top, D-115 (Md. B, Pit 1); bottom, D-118 (Md. B, Pit 8). . . . .	299
279. Bone awls/punches from Mound B, Pit 10: a, D-122; b, D-123.....	300
280. Antler fragments from Mound B, Pit 10: top and middle, D-120; bottom, D-121.....	301



**List of Tables**

1. Vessels from different temporal contexts and proveniences at the Crenshaw site. . . . .	8
2. Late Fourche Maline Vessels in the Gilcrease Museum NAGPRA collections from the Crenshaw site. . . . .	265
3. Early Caddo Period Vessels in the Gilcrease Museum NAGPRA collections from the Crenshaw site. . . . .	266
4. Middle Caddo Period Vessels in the Gilcrease Museum NAGPRA collections from the Crenshaw site. . . . .	268
5. Use of Temper in Vessels at the Crenshaw Site. . . . .	269
6. Firing Conditions observed in the Vessels at the Crenshaw Site. . . . .	270
7. Vessel size ranges in the Crenshaw site vessels. . . . .	270
8. Long-stemmed Red River pipes from the Crenshaw site. . . . .	273
9. Arrow points from the Crenshaw site. . . . .	277
10. Celts from the Crenshaw site. . . . .	284
11. Distribution of quartz crystals and quartz crystal fragments from the Crenshaw site. . . . .	292
12. Bone tools by provenience at the Crenshaw site. . . . .	298

## **Acknowledgements**

This material is based upon work assisted by a grant from the Department of the Interior, National Park Service. Any opinions, findings, and conclusions or recommendations expressed in this material are those of the authors and do not necessarily reflect the views of the Department of the Interior.

The work was done as a collaboration of the Cultural Preservation Department of the Caddo Nation of Oklahoma and Archeological & Environmental Consultants, LLC. We have enjoyed a productive collaboration for more than a decade.

The Cultural Preservation Department of the Caddo Nation would like to thank the following people at the Gilcrease Museum of the Americas for their support on this project: Eric Singleton, Assistant Curator of Anthropology, as well as Angela Cooper, Graduate Assistant, University of Tulsa, and Miranda Assistant, Curatorial Assistant.

We would also like to thank John Samuelsen of the Arkansas Archeological Society (AAS), as well as Dr. Frank Schambach, emeritus at the AAS, for the information they have provided about the Crenshaw site and its archeological materials.

## **Introduction and Purpose of the Study**

This report is one in a series of reports produced and published by the Caddo Nation of Oklahoma, Cultural Preservation Program, that concern the documentation of funerary objects in museum facilities that are subject to the provisions and regulations of the Native American Graves Protection and Repatriation Act (NAGPRA) (Gonzalez et al. 2005; Cast et al. 2006; Perttula et al. 2007, 2009a, 2009b, 2010). These documentation studies have been done either with grants from the National Park Service, or through funding provided by the museum facility. In the case of the present study of Caddo funerary objects from the Crenshaw site (3MI6) in the collections at the Gilcrease Museum in Tulsa, Oklahoma, the documentation effort was supported by a NAGPRA grant provided by the National Park Service (NPS).

## **Information on the Crenshaw Site and the Collections**

### *The NAGPRA Collections*

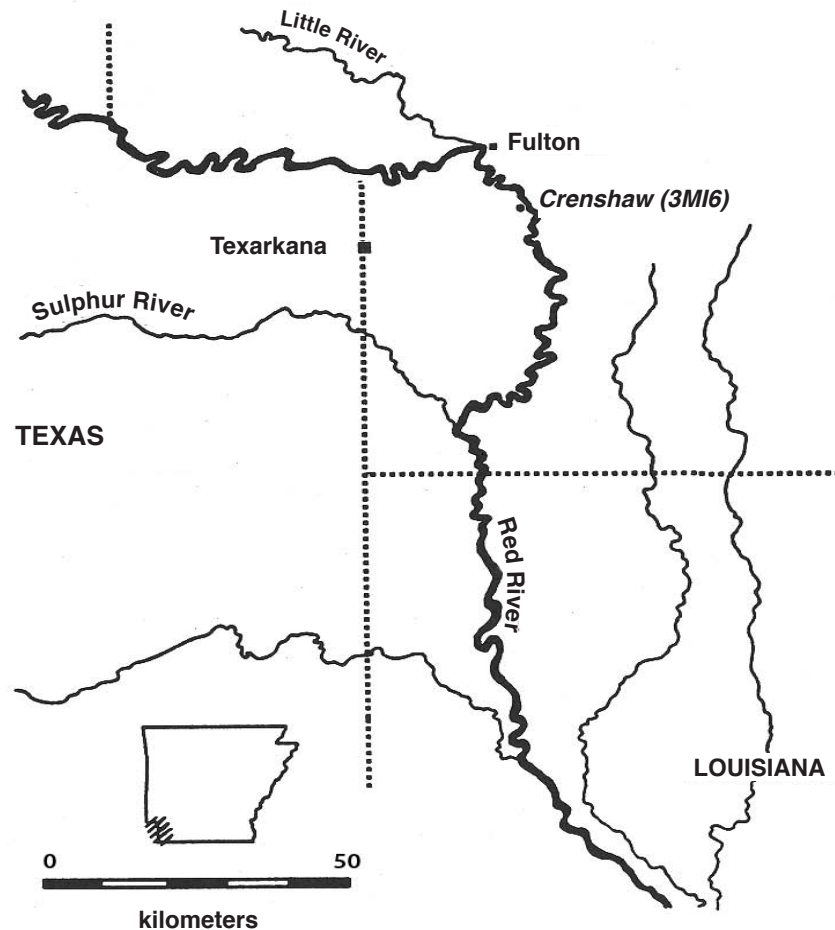
During the course of the NAGPRA grant, we completed documentation in February 2011 of 556 funerary objects in cemetery and mound burial features at the Crenshaw site, in the Great Bend area of the Red River, in Miller County, Arkansas (Figure 1). The principal funerary objects are ceramic vessels, and our documentation includes 247 ceramic vessels from several different mortuary contexts of differing ages, including Mound B, Mound D, and various burial locations south and southwest of Mound D (also known as Cemetery 3 [Samuelsen 2010:Figure 1]). The context of NAGPRA items are in late Fourche Maline, Early Caddo, Middle Caddo, and Late Caddo period burials. Recently obtained calibrated dates from the Crenshaw site (John Samuelsen, June 2011 personal communication) suggest the late Fourche Maline component dates from ca. A.D. 850-1000, while the Early Caddo component (the Lost Prairie phase) dates from ca. A.D. 1000-1200. The Middle Caddo (Haley phase) component spans the interval between ca. A.D. 1200-1400, and the Late Caddo materials post-date ca. A.D. 1500.

A diverse range of funerary objects are in the Gilcrease collections from the Crenshaw site other than ceramic vessels. These include: 10 ceramic pipes, mostly of Early Caddo period age; 237 arrow points, almost all from late Fourche Maline contexts; one large chipped stone biface; 19 ground stone celts; one ground stone perforated gorget; two boatstones; eight quartz crystals and 10 fragments; two stone ear spools; two pieces of copper; one large mass of a red pigment; two marine shell artifacts; and 14 bone artifacts (tools and pins).

### *The Crenshaw Site*

The Crenshaw site is perhaps the most well-known of all the Caddo mound centers on the Red River in the Great Bend area, and its Fourche Maline village and extensive mound and cemetery complex is unprecedented in size and archeological complexity in the Caddo area (Schambach 1982a, 1982b, 2002).

There are extensive Fourche Maline habitation deposits at the site, estimated at 8 hectares (Schambach 1982b:150), several cemeteries, and six earthen mounds (Mounds A-F) (Figure 2), at least three of which (Mounds C, D, and F) were constructed in Fourche Maline times. The village and cemetery deposits, as well as the funerary offerings included in burials under or in the various mounds, indicate that Woodland Fourche Maline and Caddo peoples used the site for habitation and/or mortuary purposes for at least 550 years. The most extensive occupation of the site was during the late Fourche Maline period.



**Figure 1. The location of the Crenshaw site (3MI6) along the Red River in Southwest Arkansas. Reproduced with the courtesy of the Arkansas Archeological Survey.**

The Crenshaw site has been the subject of archeological inquiry since the early 20<sup>th</sup> century (see Davis 1962; Dickinson 1936; Durham 1964, 1975; Durham and Davis 1975; Durham and Kizzia 1964; Jackson et al. 2012; Lemley 1936; Moore 1912; Powell 1977; Samuelsen 2009, 2010; Schambach 1971, 1982a, 1982b, 1996, 2001, 2002; Scott and Jackson 1998; Wood 1962, 1963a, 1963b, 1966, 2011), beginning with the work of W. P. Agee in 1906 in Mound D, where he excavated a number of burials and recovered 11 ceramic vessels and 276 Agee arrow points (see Lemley 1936:25); the arrow points were reported to have been found in one mass around the head of a skeleton. C. B. Moore (1912:620-627) excavated in several mounds at the site, and he encountered what are now recognized as late Fourche Maline, Early Caddo, and Middle Caddo burials. He was unimpressed with the quality of the ceramic vessels recovered in his work, stating that “the pottery from the Crenshaw Place, thirty-two vessels in all, is of inferior quality as a rule” (Moore 1912:625).

Excavations in Mound B, where the majority of NAGPRA items occurred that we documented in this project, took place by Moore (1912) as well as Glenn Martin in 1933-1934, and Harry J. Lemley in 1935 (see Lemley 1936:44-54). The mound was built over Fourche Maline village midden deposits, as well as a number of late Fourche Maline burial pits (Figure 3). These burial pits (Pits 2, 3, 6, and 9) were large

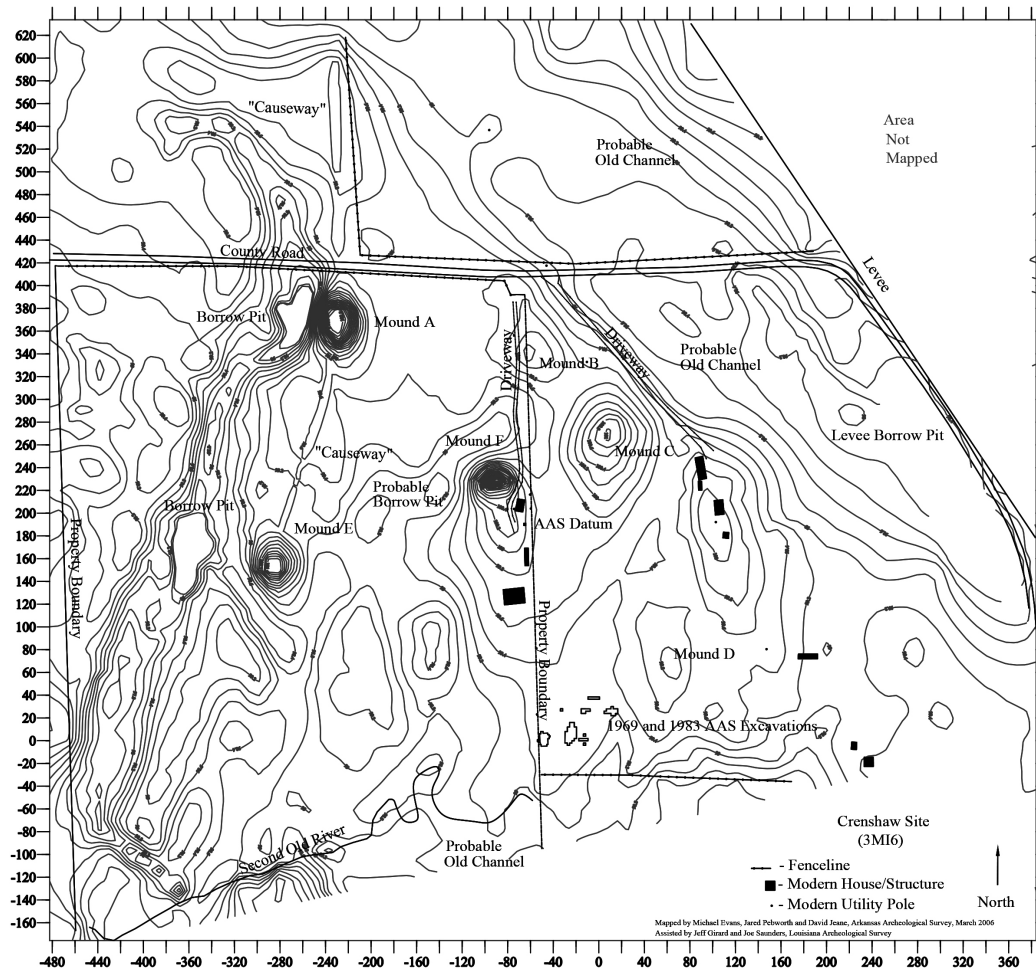


Figure 2. Map of the Crenshaw site. Reproduced with the courtesy of the Arkansas Archeological Survey.

tombs ranging from 3.5-4 m in width and 4.6-6.7 m in length, and contained between 12-18 burials each. The burials were placed in rows in extended supine position (Lemley 1936:Plates 4 and 5), sometimes with the bodies oriented in different directions, or laid on top of one another.

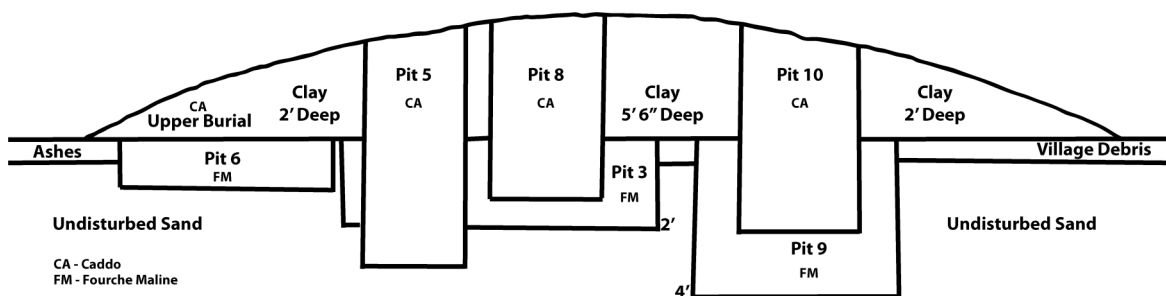
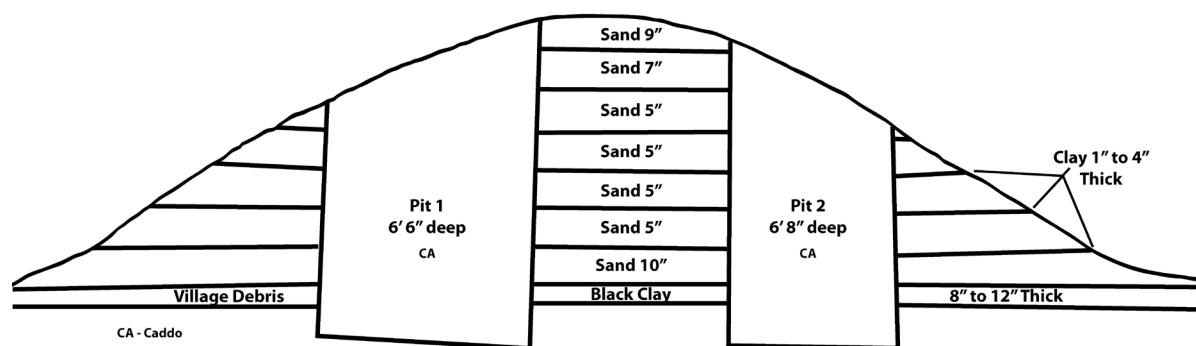


Figure 3. Cross section of Mound B facing west. Adapted from the Lemley notes (Judge Harry J. Lemley and Glen Martin, field notes, Lemley Papers, Gilcrease Museum, Tulsa, Oklahoma). Reproduced with the courtesy of John Samuelsen.

Subsequently, after the clay mound had been constructed, a number of Early Caddo period shaft tombs (Pit 1, 4, 5, 7, 8, 10, 11, and 12) were excavated from the top of the mound, penetrating either into the earlier late Fourche Maline burials or into the subsoil (see Figure 3). These pits had from one to four individuals laid out in the tombs, accompanied by shell beads and a conch shell cup, pottery vessels, long-stemmed clay pipes, numerous arrow points apparently placed in quivers, quartz crystals, a large chipped stone biface, celts, bone tools, perforated mussel shells, masses of red and white pigment, a copper-covered ear spool, and fragments of cloth preserved by contact with a copper ornament (Lemley 1936:53-54). Other burials were emplaced in shallower pits (upper burials 1-3), 50-60 cm in depth, in the mound itself during Early and Middle Caddo period times, and a number of vessels were recovered from poorly documented burials in the upper levels of Mound B at the same times.

Mound D was the source of a number of the NAGPRA items in the Gilcrease Collection from the Crenshaw site. When Agee began his investigations of Mound D in 1906, Mound D was originally a circular mound that was 33 m in diameter and 3.4 m in height (Schambach 1982b:154). It was much reduced by his work, such that when Lemley worked on the mound in 1935 it was only 15 x 9 m in size and 2.3 m in height (Figure 4). The mound was “composed of layers of sand separated by thin layers of clay ranging from 2” to 4” in thickness” (Lemley 1936:29). The mound was built over 20-30 cm of late Fourche Maline village debris and midden deposits.



**Figure 4. Cross section of Mound D facing north. Adapted from Lemley’s notes (Lemley and Martin, Lemley Papers, Gilcrease Museum, Tulsa). Reproduced with the courtesy of John Samuelsen.**

In the mound itself, the late Fourche Maline burials “were found on the thin layers of clay indicating that the mound had been built by stages, an additional layer being added as a burial or group of burials were made” (Lemley 1936:30); this includes burials with funerary offerings in the basal mound layer and Burial 3 that have been documented in this report. Sometime after the mound was completed, two deep Middle Caddo shaft tombs (Pits 1 and 2) were dug from the top of the mound remnant and penetrated into the subsoil under the mound and the late Fourche Maline midden deposits. These shaft tombs ranged from 2.2-2.8 m in length and 1.8 m in width. Each had three extended burials of adults, placed side by side in the burial pit, with large quantities of ceramic vessels in the tombs (Lemley 1936:35).

There were also four cremations (Burials 4-7) in the southeastern part of Mound D; none had associated funerary offerings. It is not known if these were Fourche Maline or Caddo cremation burials.

There are a number of off-mound cemeteries at the Crenshaw site, including Cemetery 3 just to the south and southwest of Mound D (Figure 5; see also Schambach 1982b:Figure 7-4). Glenn Martin had located this cemetery in 1933-1934, and Lemley (1936:36) completed the excavations in 1935. Based on the vessels documented for this project, Late Fourche Maline, Early Caddo, and Middle Caddo burials were among the 34 burials excavated there.

According to Schambach (1982b:152), the late Fourche Maline burials in the off-mound cemeteries, including Cemetery 3, were “generally single extended supine internments in shallow graves dug 30 to 50 cm below the midden surface. Grave offerings generally consist of one or more pots placed near the head.

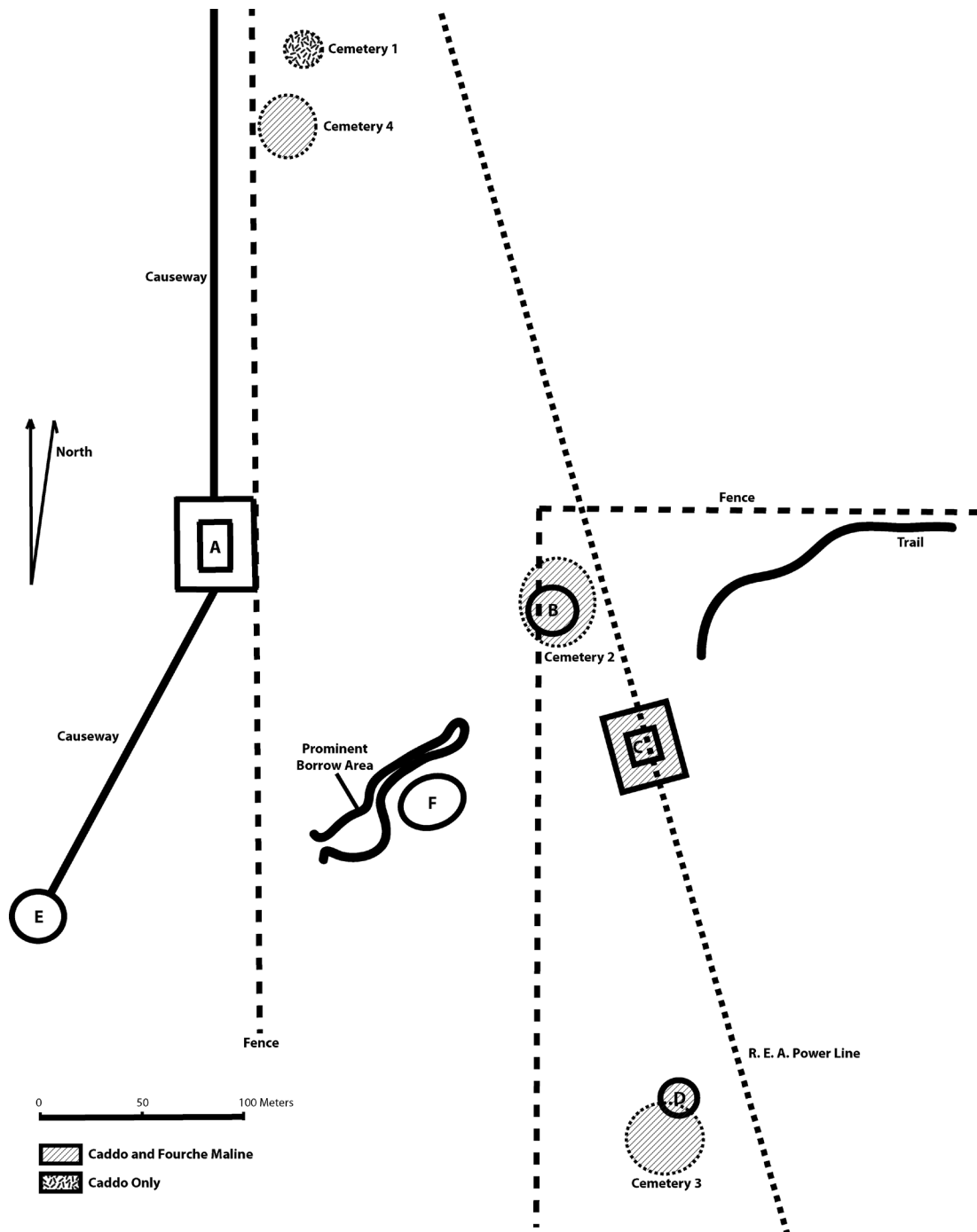


Figure 5. Location of cemeteries at the Crenshaw site found before 1962. Note Cemetery 3 south and southwest of Md. D. Reproduced with the courtesy of John Samuelsen.

### **Ceramic Vessel Documentation Protocol**

Because of the number of ceramic vessels in the Gilcrease Museum NAGPRA collections that we were able to document under the NPS NAGPRA grant, we established a documentation protocol to assist in the study of each of the vessels examined in 2011. Each of the ceramic vessels in the collections is described and illustrated utilizing a consistent set of ceramic morphological, functional, and stylistic attributes modeled after the presentations in Gonzalez et al. (2005), Cast et al. (2006), Perttula et al. (1998, 2007, 2009a, 2009b, 2010), and Perttula (2005, 2011a). The purpose of the documentation is to thoroughly characterize the assemblage of ceramic vessels in the collection from the Crenshaw site.

Vessel documentation includes a photograph of each vessel to portray their decoration, shape, and surface texture. In the case of a number of ceramic vessels, engraved design motifs on bowls, compound bowls, and bottles are closely compared with Red River Caddo ceramic types and varieties defined by Suhm and Jelks (1962), or presented in Brown (1996), based on Brown's communications with Frank F. Schambach about vessels recovered at the Spiro site in eastern Oklahoma, that appear to be Red River or Ouachita Mountains trade vessels.

The following attributes were employed in this ceramic vessel study:

Non-plastics: Deliberate and indeterminate materials in the paste (Rice 1987:411), including a variety of tempers (grog or crushed sherds, bone, hematite/ferruginous sandstone, shell, quartz sands, etc.) and "particulate matter of some size." The grog, bone, and hematite/ferruginous sandstone non-plastics appear to have been deliberately added to the paste as tempers. The bone used for temper had been burned and calcined, then crushed, before it was added to the paste.

Vessel Form: Vessel form categories include open containers (bowls of several sizes, including plates, effigy bowls, carinated bowls, and compound bowls) and restricted containers, including jars and bottles. As restricted containers, jars allow access by hand, but bottles do not (Brown 1996:335). There are several compound form vessels, one where two different vessel forms have been conjoined to create a single unique vessel form. This ceramic practice is one of the distinctive features of Great Bend ceramic vessel assemblages (cf. Bonds 2006). Other form attributes that were recorded include the rim profile (outflaring or everted, vertical or standing, and inverted), lip profile (rolled to the exterior, rounded, flat, or thinned), and base shape (flat or rounded).

Core Colors: Observations on ceramic cross-section colors permit consideration of oxidation patterns (Teltser 1993:Figure 2A-H), and thus the conditions under which the vessel was fired and then cooled after firing. Comments are included for these attributes on the presence and location of fire-clouding, soot-ing or smudging from cooking use (Skibo 1992), and charred organic remains.

Wall Thickness: Thickness was recorded in millimeters, using a vernier caliper, at the lip, along the rim, at several points along the body, and at the base when possible (only for the vessels that were not complete).

Interior and Exterior Surface Treatment: The primary methods of finishing the surface of the vessels includes either smoothing, burnishing, and polishing (Rice 1987:138). Brushing, while a popular method of roughening the surface (particularly the body) of large and small Middle (ca. A.D. 1200-1400) and Late Caddo (ca. A.D. 1400-1680) period cooking jars in several parts of the Caddo area, including the Great Bend area of the Red River, is here considered a decorative treatment rather than solely a functional surface treatment (cf. Rice 1987:138), although not all Caddo ceramic analysts treat brushing as a decorative treatment (cf. Gadus et al. 2006:31). Smoothing creates "a finer and more regular



surface...[and] has a matte rather than a lustrous finish” (Rice 1987:138). Burnishing, on the other hand, creates an irregular lustrous finish marked by parallel facets left by the burnishing tool (perhaps a pebble or bone). A polished surface treatment is marked by a uniform and highly lustrous surface finish, done when the vessel is dry, but without “the pronounced parallel facets produced by burnishing leather-hard clay” (Rice 1987:138).

The application of a hematite-rich clay slip (Ferring and Perttula 1987), either red or black after firing in an oxidizing or reducing (i.e., low-oxygen) environment, is another form of surface treatment noted in this assemblage, although not with the frequency seen in other Caddo ceramic vessel assemblages from other parts of the Caddo archeological area (see Perttula et al. 2007, 2008). The clay slip is more frequently applied on the vessel exterior, or on both surfaces, than on the interior surface, and then was either burnished or polished after it was leather-hard or dry.

Height and Orifice Diameter: These attributes, measured in centimeters, were recorded with a ruler.

Diameter at Bottom of Rim and Base Diameter: Also recorded in millimeters using a ruler, these attributes permit characterization of the overall contour and shape of the vessel.

Volume: With measurements of height and orifice diameter obtained from the Gilcrease collection vessels, as well as other measurements of size (i.e., base diameter and maximum body width), volumes were estimated by comparison with known vessel volumes of specific forms (i.e., carinated bowl, jar, bottle, compound bowl, and bowl) in other recently documented Caddo vessel assemblages.

Decoration: Decorative techniques present in the Gilcrease Museum NAGPRA vessel collection from the Crenshaw site in southwestern Arkansas include engraving, incising, trailing, punctating, brushing, stamping, and appliquéing, and on certain vessels, combinations of decorative techniques (i.e., brushed-punctated) created the decorative elements and motifs. Engraving was done with a sharp tool when the vessel was either leather-hard, or after it was fired, as were the tick marks often seen on vessels in this collection, while the other decorative techniques were executed with tools (stamping, trailing, incising, and punctuation), by adding strips of clay to the wet body (appliqué), using frayed sticks or grass stems (brushing) dragged across the body surface, or fingernails (certain forms of punctations), when the vessel was wet or still plastic. Excising is considered a form of engraved decoration, where the clay is deliberately and closely marked/scraped and carved away with a sharp tool, usually to create triangular elements, tick marks, or excised punctations.

Another form of vessel decoration is the use of red (hematite or ochre) or white (kaolin clay) clay pigments that have been smeared or rubbed into the engraved lines of certain vessels.

Type: The kinds of ceramic types and defined varieties in the Gilcrease Museum NAGPRA collections from the Crenshaw site follow Suhm and Jelks (1962), Ian Brown (1998), James Brown (1996), Bohannon (1973), and Phillips (1970).

### Vessels from the Crenshaw Site (3MI6)

For the vessel descriptions from the Gilcrease Museum collection from the Crenshaw site that follow, the vessel presentations are grouped into four temporal periods (Late Fourche Maline, Early Caddo, Middle Caddo, and Late Caddo), and then by archeological contexts (i.e., Md. B, Md. D, and burials from a cemetery south and southwest of Md. D) (Table 1). The 19 vessels with provenience labels of being found in a field south or southwest of Md. D are likely also from Cemetery 3, since it is south and southwest of Md. D. (see Figure 5). Within these groupings, the vessels are then discussed by vessel numerical order.

**Table 1. Vessels from different temporal contexts and proveniences at the Crenshaw site.**

Component	Md. B	Md. D	Cemetery 3	Field S of Md. D	UNK*	N
Late Fourche Maline	8	36	11	1	1	57
Early Caddo	98	–	1	13	1	113
Middle Caddo	31	40	–	5	–	76
Late Caddo	1	-	–	-	–	1
Totals	138	76	12	19	2	247

\*UNK=unknown provenience

As can be seen from Table 1, the majority of the vessels documented at the Gilcrease Museum from the Crenshaw site were recovered in burial features in Mound B (56% of the total vessels) and Mound D (31% of the total vessels), and the remainder are from Cemetery 3 south and southwest of Mound D (12.5%) (see Figure 5). In Mound B, late Fourche Maline contexts include burials in Pit 2, 3, 6, and 9 underneath the mound and apparently originating in contemporaneous village deposits (see Figure 3), as well as in upper mound levels after the mound was constructed. Early Caddo burial contexts primarily originate from the top of the mound in large shaft tombs, including Pit 1, Pit 4, Pit 5, Pit 7, Pit 8, Pit 10, Pit 11, and 12 (Early Caddo), or in contexts described as upper burial 1 and 2, or in burials from the upper levels of the mound. Middle and Late Caddo burials in Mound B are in burials in upper mound levels, including upper burial 3 (Middle Caddo).

Mound D burials are restricted to those dating to late Fourche Maline and Middle Caddo periods (see Table 1). The late Fourche Maline burials with ceramic vessels as funerary offerings occur in Burial 3 and in basal mound layers (see Figure 4). The Middle Caddo burials in Mound D are either in two deep shaft tombs that originated at the mound surface (Pits 1 and 2, see Figure 4), or from unspecified contexts on the south side of the mound.

Thirty-one ceramic vessels are from late Fourche Maline to Middle Caddo period burials in Cemetery 3 (see Table 1). This indicates that the cemetery was in use for more than 500 years. Based on the Gilcrease Museum vessels from Cemetery 3, and the fact that 84% of the vessels are late Fourche Maline and Early Caddo styles and types, the main period of cemetery use by ancestral Caddo peoples in Cemetery 3 took place between ca. A.D. 850-1200.

**Late Fourche Maline vessels****Md. B**

PROVENIENCE: Pit #2, Md. B; only vessel found in this burial feature

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1357; 5425.1730

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Square-shaped bowl with a collared neck and two opposed suspension holes below the collar (Figure 6a-b); see also Dickinson (1936:Plate 9:5)

RIM AND LIP FORM: inverted rim and a rounded lip

CORE COLOR: G (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: dark grayish-brown

EXTERIOR SURFACE COLOR: yellowish-brown; fire clouding on the body and the collared rim

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 11.7

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 9.6

ORIFICE DIAMETER (IN CM): 6.4

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 6.4

BASE DIAMETER (IN CM): 8.0

ESTIMATED VOLUME (IN LITERS): 0.25

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): single horizontal incised lip line (Figure 6b)

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Coles Creek Incised, *var. Keo* (Rolinson 1998:40)

**a****b**

**Figure 6. Vessel 1357: a, side view; b, top view, showing the incised lip line.**

PROVENIENCE: Md. B, Pit #3; only vessel found in this burial feature

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1358; 5425.1732

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Bowl with a collared rim; see also Lemley (1936:Plate 8:7)

RIM AND LIP FORM: direct rim and a flat lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: dark grayish-brown

EXTERIOR SURFACE COLOR: dark grayish-brown

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 9.5 mm

INTERIOR SURFACE TREATMENT: smoothed on upper collar

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 12.0

ORIFICE DIAMETER (IN CM): 8.8

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 10.3

BASE DIAMETER (IN CM): 7.2

ESTIMATED VOLUME (IN LITERS): 0.42

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): There is a single horizontal incised line on the rim collar, and a second horizontal incised line near the bottom of the rim (Figure 7a). The lip has four incised lip lines (Figure 7b).

PIGMENT USE AND LOCATION ON VESSEL: white pigment in the incised lines

TYPE [IF KNOWN]: Coles Creek Incised, *var. unspecified*



**a**



**b**

**Figure 7. Vessel 1358: a, side view; b, view of incised lip lines.**

PROVENIENCE: Md. B, Pit #6

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1375; 5425.1960. Vessels 1375-1377 are from the same burial pit (Lemley inventory notes)

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Jar with stilt base (Figure 8); see also Lemley (1936:Plate 8:4)

RIM AND LIP FORM: everted rim and rounded lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: black

EXTERIOR SURFACE COLOR: black

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 7.1 mm

INTERIOR SURFACE TREATMENT: smoothed on the neck

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 22.2

ORIFICE DIAMETER (IN CM): 19.0

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 15.8

BASE DIAMETER (IN CM): 9.1; flat and square base

ESTIMATED VOLUME (IN LITERS): 3.8

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): Plain

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Williams Plain



**Figure 8. Williams Plain jar, Vessel 1375.**

PROVENIENCE: Md. B, Pit 6

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1376; 5425.1749

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Barrel-shaped jar with a collared rim; Brown (1998:8) and Phillips (1970:71) refer to this as a "rim strap." The vessel is also illustrated in Lemley (1936:Plate 7:3).

RIM AND LIP FORM: inverted rim and a flat lip

CORE COLOR: F (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: yellowish-brown

EXTERIOR SURFACE COLOR: yellowish-brown

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 6.8 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 16.3

ORIFICE DIAMETER (IN CM): 12.7

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 11.1

BASE DIAMETER (IN CM): 10.1; flat and square base

ESTIMATED VOLUME (IN LITERS): 1.9

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): There is a single incised line on the rim collar (Figure 9). There are also two incised lines on the vessel lip.

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Coles Creek Incised, *var. Chase*



**Figure 9. Coles Creek Incised, *var. Chase* jar, Vessel 1376.**

PROVENIENCE: Md. B, Pit #6

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1377; 5424.1728

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Bowl; see Lemley (1936:Plate 8:8).

RIM AND LIP FORM: inverted rim and flat lip

CORE COLOR: G (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: grayish-brown

EXTERIOR SURFACE COLOR: chocolate brown; fire clouding; organic residue on the body

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 7.2 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: burnished

HEIGHT (IN CM): 9.6

ORIFICE DIAMETER (IN CM): 10.9

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 11.4

BASE DIAMETER (IN CM): 13.8; circular and rounded base

ESTIMATED VOLUME (IN LITERS): 0.42

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): There are two widely spaced horizontal incised lines on the rim (Figure 10a). The flat lip has two incised lip lines (Figure 10b).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Coles Creek Incised, *var. Greenhouse*



**a**



**b**

**Figure 10. Coles Creek Incised, *var. Greenhouse* bowl, Vessel 1377: a, side view; b, view of incised lip lines.**

PROVENIENCE: Md. B, Pit #9; vessels 1400-1401 are from the same burial pit

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1400; 5425.1778

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Carinated bowl; see also Lemley (1936:Plate 8:5)

RIM AND LIP FORM: direct rim and flat lip

CORE COLOR: A (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: black

EXTERIOR SURFACE COLOR: black

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 7.6 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: burnished

HEIGHT (IN CM): 10.2

ORIFICE DIAMETER (IN CM): 24.8

DIAMETER AT BOTTOM OF RIM OR NECK  
(IN CM): 24.5

BASE DIAMETER (IN CM): 10.5; circular and rounded base

ESTIMATED VOLUME (IN LITERS): 1.5

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): There are two broad and widely-spaced horizontal incised lines on the vessel body. There are also two incised lines on the vessel lip.

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Coles Creek Incised, *var. Greenhouse*



**Figure 11. Coles Creek Incised, *var. Greenhouse* bowl, Vessel 1400.**



PROVENIENCE: Md. B, Pit #9

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1401; 5425.1736

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Barrel-shaped bowl with a collared rim; see also Lemley (1936:Plate 8:2)

RIM AND LIP FORM: inverted rim and a flat lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: black

EXTERIOR SURFACE COLOR: black

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 10.0 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: burnished

HEIGHT (IN CM): 10.2

ORIFICE DIAMETER (IN CM): 8.0

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 8.8

BASE DIAMETER (IN CM): 7.7; flat and square base

ESTIMATED VOLUME (IN LITERS): 0.33

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The collared rim has a single horizontal incised line on it, and there are two broad incised lines on the lip. There are also three horizontal incised lines near the vessel base. The area in between has four large upper and lower incised triangular zones, and each of these has a triangular-shaped punctation termination on a short incised line that extends from one end of the triangular zones. Dividing two sets of lower triangular incised zones is a single curvilinear line next to a single diagonal incised line that has a triangular punctation at its termination.

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Coles Creek Incised, *var. Chase* and French Fork Incised, *var. French Fork* hybrid, with a “Coles Creek Incised rim decoration and French Fork Incised motifs on the body” (Brown 1996:360). Schambach has classified these hybrids as Agee Incised.

PROVENIENCE: upper levels of Md. B, excavated in 1935 by Horace Kennedy

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1479; 5425.2231

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Conjoined jar (Figure 12)

RIM AND LIP FORM: everted rim and a rounded lip

CORE COLOR: A (fired in an oxidizing environment and cooled in the open air)

INTERIOR SURFACE COLOR: yellowish-brown; fire clouding

EXTERIOR SURFACE COLOR: yellowish-brown; fire clouding on the rim and body

WALL THICKNESS (RIM, BODY, AND BASE IN MM):  
rim, 5.2 mm

INTERIOR SURFACE TREATMENT: smoothed on rim

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 10.5

ORIFICE DIAMETER (IN CM): 9.6

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM):  
N/A

BASE DIAMETER (IN CM): 6.9; flat and circular base

ESTIMATED VOLUME (IN LITERS): 0.60

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The vessel is composed of five conjoined segment, each ca. 20 mm in height. There are four broad horizontal incised lines between four of the vessel segments (Figure 12).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Unidentified incised/grooved jar, possible Crenshaw Lobed (see Durham and Davis 1975:11), or Crenshaw Fluted. Plain vertical grooved/fluted and horizontal grooved/fluted vessels have also been reported from the Crenshaw site in Early Caddo contexts (Durham and Davis 1975:Figures 19:1, 3, 31:6, and 37:Q13), where they are referred to as Crenshaw Fluted vessels.



**Figure 12. Unidentified incised/grooved jar, Vessel 1479, possible Crenshaw Lobed type.**

***Md. D***

PROVENIENCE: Mound D, general; excavated in 1906 by W. P. Agee, Jr.

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 592; 5425.1758

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Carinated bowl; see also Lemley (1936:Plate 7:6), although Lemley identifies the vessel form as a conical jar.

RIM AND LIP FORM: Inverted rim and a rounded lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: black

EXTERIOR SURFACE COLOR: black

WALL THICKNESS (RIM, BODY, AND BASE IN MM):  
rim, 7.0 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 13.0

ORIFICE DIAMETER (IN CM): 8.8

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 16.8

BASE DIAMETER (IN CM): 9.5; circular and flat

ESTIMATED VOLUME (IN LITERS): 0.69

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): In addition to one incised lip line, there are two sets of horizontal incised lines at the upper and lower parts of the rim panel (Figures 13a-b). The main decorative motif is an open scroll with nine upper and nine lower triangular scroll zones filled with triangular tool punctations. Each triangular scroll zone has an incised line that extends into the open scroll, and there are two to three large circular punctations on the line, including one at the termination of each incised line

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: French Fork Incised, *var. French Fork*



**Figure 13. French Fork Incised, *var. French Fork* carinated bowl, Vessel 592: a, side view; b, top view, showing incised lip line.**

PROVENIENCE: Mound D, general; excavated in 1906 by W. P. Agee, Jr.

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1144; 5425.1958. This vessel was documented only through a photographic image provided by Gilcrease Museum staff.

VESSEL FORM: Jar (Figure 14).

RIM AND LIP FORM: direct rim and rounded lip

EXTERIOR SURFACE COLOR: yellowish-brown;  
fire clouds on rim and body

EXTERIOR SURFACE TREATMENT: none

HEIGHT (IN CM): 22.2

ORIFICE DIAMETER (IN CM): 19.7

DIAMETER AT BOTTOM OF RIM OR NECK (IN  
CM): maximum body width: 20.3 cm

BASE DIAMETER (IN CM): flat and square base

ESTIMATED VOLUME (IN LITERS): 3.9

DECORATION (INCLUDING MOTIF AND  
ELEMENTS WHEN APPARENT): Plain

PIGMENT USE AND LOCATION ON VESSEL:  
none

TYPE [IF KNOWN]: Williams Plain



**Figure 14. Williams Plain jar, Vessel 1144.**

PROVENIENCE: Mound D, general; excavated in 1906 by W. P. Agee, Jr.

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1145; 5425.1740. This vessel was documented only through the examination of a photographic image provide by Gilcrease Museum staff.

VESSEL FORM: Barrel-shaped jar (Figure 15a); see also Lemley (1936:Plate 7:2)

RIM AND LIP FORM: slightly inverted rim and a flat lip

INTERIOR SURFACE COLOR: yellowish-brown

EXTERIOR SURFACE COLOR: yellowish-brown

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 14.0

ORIFICE DIAMETER (IN CM): 11.4

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM):  
maximum width on the body: 13.3

BASE DIAMETER (IN CM): N/A; square and flat base

ESTIMATED VOLUME (IN LITERS): 0.96

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): Each side of the jar has a rectangular incised panel. Within each panel is a vertical negative S-shaped incised scroll, with large punctations at the termination of the central scroll line (Figure 15a); other large punctations occur on the scroll line itself, or on the end of incised lines that extend from the surrounding punctated fill areas of the large rectangle; punctations are also seen on the termination of the two punctated zones. The vessel also has two incised lip lines (Figure 15b).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: French Fork Incised, *var. French Fork*



a



b

Figure 15. French Fork Incised, *var. French Fork* jar, Vessel 1145: a, side view; b, top view.

PROVENIENCE: Mound D, general, excavated by W. P. Agee in 1906

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1230, 5425.1739

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Shallow bowl; see also Lemley (1936:Plate 8:6)

RIM AND LIP FORM: direct rim and a flat lip; collared

CORE COLOR: G (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: dark grayish-brown

EXTERIOR SURFACE COLOR: yellowish-brown with dark grayish-brown fire clouds

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 6.9 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: burnished

HEIGHT (IN CM): 6.1

ORIFICE DIAMETER (IN CM): 14.4

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 10.8

BASE DIAMETER (IN CM): 5.9, flat

ESTIMATED VOLUME (IN LITERS): 0.35

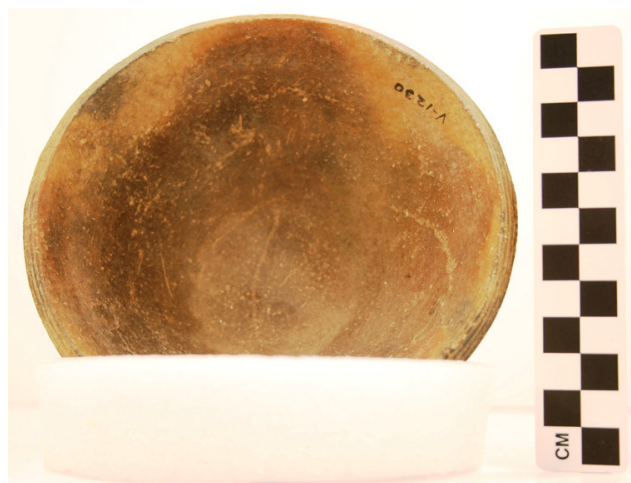
DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): There are two widely-spaced horizontal incised lines on the collared rim, one being at the base of the collar (Figure 16a). There are also three incised lines on the vessel lip (Figure 16b).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Coles Creek Incised, *var. Chase*



a



b

**Figure 16. Coles Creek Incised, *var. Chase* bowl, Vessel 1230: side view; b, top view of lip lines.**

PROVENIENCE: Mound D, general, excavated by W. P. Agee in 1906

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1231; 5425.7159. This vessel was documented only through the examination of a photographic image provided by Gilcrease Museum staff.

VESSEL FORM: Bowl

RIM AND LIP FORM: everted rim and flat lip

EXTERIOR SURFACE COLOR: yellowish-brown; fire clouding on the rim and body

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 9.5

ORIFICE DIAMETER (IN CM): 14.9

ESTIMATED VOLUME (IN LITERS): 0.57

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The vessel body has three equally-spaced and broad horizontal incised lines (Figure 17). The lip has at least one incised lip line.

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Coles Creek Incised, *var. Campbellsville* or *var. Greenhouse*



**Figure 17. Coles Creek Incised, *var. Campbellsville* or *var. Greenhouse* bowl, Vessel 1231.**

PROVENIENCE: burial in Mound D, general, excavated by W. P. Agee in 1906

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1232; 5425.2300

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Bowl

RIM AND LIP FORM: direct rim and rounded lip

CORE COLOR: G (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: dark grayish-brown

EXTERIOR SURFACE COLOR: dark yellowish-brown; fire-clouding on the rim

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 5.5 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 9.6

ORIFICE DIAMETER (IN CM): 13.2

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 12.5

BASE DIAMETER (IN CM): 8.5, circular/rounded

ESTIMATED VOLUME (IN LITERS): 0.51

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): There is an open scroll on the rim that is divided by four central incised circles filled with cane punctations (Figure 18). There are five upper and lower scroll fill zone elements that consist of incised curvilinear triangles filled with cane punctations. The central incised circles are connected with a single incised line to upper and lower curvilinear triangle elements.

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Crockett Curvilinear Incised



**Figure 18. Crockett Curvilinear Incised bowl, Vessel 1232.**



PROVENIENCE: Mound D, general, excavated by W. P. Agee in 1906

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1233; 5425.1771

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Bowl with a collared rim (Figure 19)

RIM AND LIP FORM: direct rim and flat lip

CORE COLOR: G (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: dark grayish-brown

EXTERIOR SURFACE COLOR: yellowish-brown

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 6.4 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 9.7

ORIFICE DIAMETER (IN CM): 12.0

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 11.7 below the collar

BASE DIAMETER (IN CM): 7.5; flat and circular base

ESTIMATED VOLUME (IN LITERS): 0.47

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): Plain

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Unidentified plain ware



**Figure 19. Plain collared bowl, Vessel 1233.**

PROVENIENCE: Mound D, burial in basal mound layer

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1285; 5425.1775

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Jar (Figure 20)

RIM AND LIP FORM: everted rim and rounded lip

CORE COLOR: F (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: yellowish-brown

EXTERIOR SURFACE COLOR: yellowish-brown; fire clouding

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 5.6 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 9.4

ORIFICE DIAMETER (IN CM): 10.5

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM):  
10.0

BASE DIAMETER (IN CM): 7.2, flat and square base

ESTIMATED VOLUME (IN LITERS): 0.59

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): Plain

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Williams Plain



**Figure 20. Plain jar, Vessel 1285.**

PROVENIENCE: Mound D, burial, basal layer

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1286; 5425.1770

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Jar; see also Dickinson (1936:Plate 9:3)

RIM AND LIP FORM: inverted rim and a flat lip

CORE COLOR: F (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: dark yellowish-brown

EXTERIOR SURFACE COLOR: dark yellowish-brown; fire clouding on the body

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 5.7 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 10.7

ORIFICE DIAMETER (IN CM): 11.5

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 12.0

BASE DIAMETER (IN CM): 5.0; flat and circular

ESTIMATED VOLUME (IN LITERS): 0.74

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): Plain (Figure 21)

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Williams Plain



**Figure 21. Williams Plain jar, Vessel 1286.**

PROVENIENCE: Md. D, burial, basal layer

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1287; 5425.1765

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Bowl

RIM AND LIP FORM: direct rim and a flat lip

CORE COLOR: F (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: dark yellowish-brown

EXTERIOR SURFACE COLOR: dark yellowish-brown; fire clouding on the vessel body

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 5.9 mm; body, 5.3 mm

INTERIOR SURFACE TREATMENT: smoothed on the rim

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 11.5

ORIFICE DIAMETER (IN CM): 14.0

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): N/A

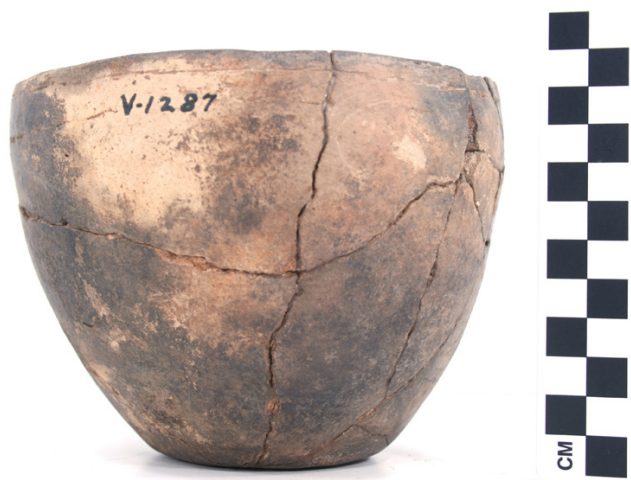
BASE DIAMETER (IN CM): 6.2; flat base

ESTIMATED VOLUME (IN LITERS): 0.65

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): There are two horizontal incised lines on the rim. The top line encircles the vessel, while the lower line has been partially smoothed over and does not encircle the vessel (Figure 22).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Coles Creek Incised, *var. unspecified*



**Figure 22. Coles Creek Incised, *var. unspecified* bowl, Vessel 1287.**

PROVENIENCE: Md. D, burial, basal layer

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1288; 5425.1764

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Jar (Figure 23)

RIM AND LIP FORM: direct rim and a rounded lip

CORE COLOR: G (fired in a reducing environment but cooled in the open air)

INTERIOR SURFACE COLOR: dark grayish-brown

EXTERIOR SURFACE COLOR: yellowish-brown; fire clouding

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 6.4 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: none

HEIGHT (IN CM): 13.6

ORIFICE DIAMETER (IN CM): 12.0

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 10.9

BASE DIAMETER (IN CM): 7.9; circular and rounded base

ESTIMATED VOLUME (IN LITERS): 0.98

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): Plain

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Williams Plain



**Figure 23. Williams Plain jar, Vessel 1288.**

PROVENIENCE: Md. D, Burial #3

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1290; 5425.1745

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Gourd-shaped bowl or ladle (Figure 24a-b); see also Dickinson (1936:Plate 10:7)

RIM AND LIP FORM: direct rim and a rounded lip

CORE COLOR: F (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: chocolate brown

EXTERIOR SURFACE COLOR: chocolate brown

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 6.9 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 4.5

ORIFICE DIAMETER (IN CM): 13.0 cm in width; 16.5 cm in length

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): N/A

BASE DIAMETER (IN CM): N/A; rounded base

ESTIMATED VOLUME (IN LITERS): 0.26

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): There are two closely-spaced and overhanging horizontal incised lines on the rim (Figure 24a).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Coles Creek Incised, *var. unspecified*



Figure 24. Coles Creek Incised, *var. unspecified* bowl: a, side view; b, bottom view.

PROVENIENCE: Md. D, Burial #3

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1291; 5425.1760

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Jar (Figure 25)

RIM AND LIP FORM: Inverted rim; lip form unknown

CORE COLOR: F (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: yellowish-brown

EXTERIOR SURFACE COLOR: dark yellowish-brown

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 5.7 mm; body, 7.5 mm; base, 8.2 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 11.0

ORIFICE DIAMETER (IN CM): N/A

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 11.3

BASE DIAMETER (IN CM): 8.5; flat and circular base

ESTIMATED VOLUME (IN LITERS): N/A

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): Plain (Figure 25)

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Williams Plain



**Figure 25. Williams Plain jar, Vessel 1291.**

PROVENIENCE: Md. D., Burial #3

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1292; 5425.1772

NON-PLASTICS AND PASTE: bone

VESSEL FORM: Jar (Figure 26)

RIM AND LIP FORM: Inverted rim and a flat lip

CORE COLOR: G (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: dark grayish-brown

EXTERIOR SURFACE COLOR: dark yellowish-brown

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 6.6 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 12.1

ORIFICE DIAMETER (IN CM): 12.0

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 12.3

BASE DIAMETER (IN CM): 5.4; flat and square base

ESTIMATED VOLUME (IN LITERS): 0.87

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): Plain (Figure 26)

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Williams Plain



**Figure 26. Williams Plain jar, Vessel 1292.**



PROVENIENCE: Md. D., burial, basal layer

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1293; 5425.1755

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Plate (Figure 27a-b)

RIM AND LIP FORM: flat lip along plate edge

CORE COLOR: F (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: reddish-brown

EXTERIOR SURFACE COLOR: reddish-brown

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 8.4 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: burnished

HEIGHT (IN CM): N/A

ORIFICE DIAMETER (IN CM): 18.7

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): N/A

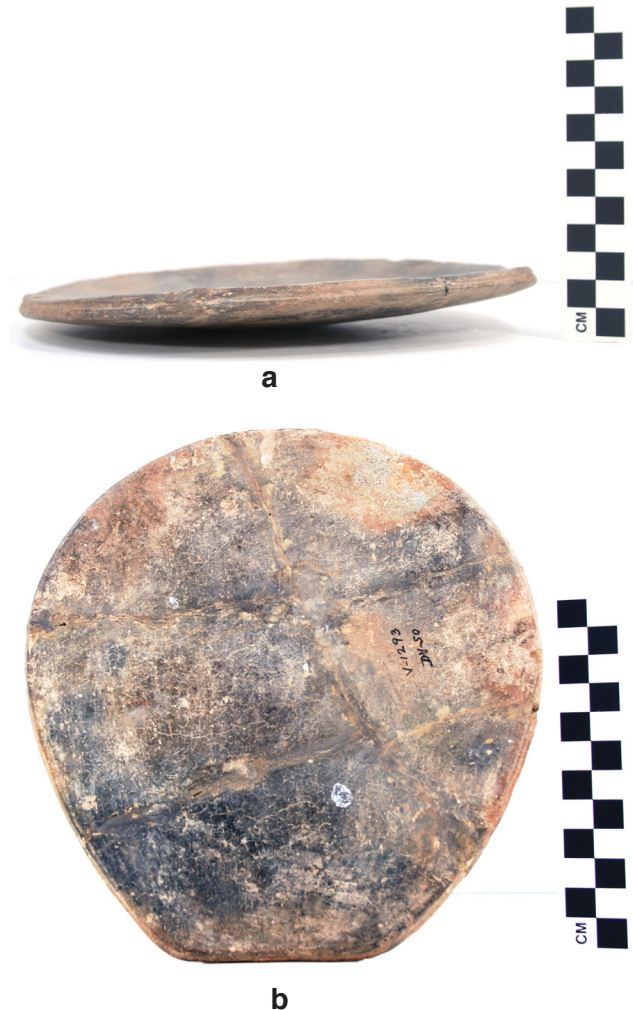
BASE DIAMETER (IN CM): 18.7

ESTIMATED VOLUME (IN LITERS): N/A

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): There is a single incised line that encircles the vessel lip (Figure 27a).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Coles Creek Incised, *var. Keo*



**Figure 27. Coles Creek Incised, *var. Keo* plate, Vessel 1293: a, side view, showing incised lip line; b, bottom view.**

PROVENIENCE: Md. D, general

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1294; 5425.1767

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Jar

RIM AND LIP FORM: direct rim and a flat lip

CORE COLOR: G (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: dark grayish-brown

EXTERIOR SURFACE COLOR: dark yellowish-brown; fire clouding on the vessel body

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 5.6 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 12.4

ORIFICE DIAMETER (IN CM): 9.9

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 11.0

BASE DIAMETER (IN CM): 6.5; flat base

ESTIMATED VOLUME (IN LITERS): 0.74

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): Plain (Figure 28)

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Williams Plain



**Figure 28. Williams Plain jar, Vessel 1294.**

PROVENIENCE: Md. D, burial, basal layer

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1295; 5425.1768

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Deep bowl (Figure 29); see also Dickinson (1936:Plate 9:1)

RIM AND LIP FORM: direct rim and a flat lip

CORE COLOR: F (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: dark yellowish-brown; fire clouding

EXTERIOR SURFACE COLOR: yellowish-brown

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 7.3 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 10.7

ORIFICE DIAMETER (IN CM): 14.0

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): N/A

BASE DIAMETER (IN CM): 9.8; flat and circular base

ESTIMATED VOLUME (IN LITERS): 1.2

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): Plain (Figure 29)

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Williams Plain



**Figure 29. Williams Plain deep bowl, Vessel 1295.**

PROVENIENCE: The southern part of Md. D; excavations by W. Harry Matthews

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1440; 5425.1766.

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Bowl; see Dickinson (1936:Plate 9:6)

RIM AND LIP FORM: direct rim and a rounded lip

CORE COLOR: G (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: dark brown to black

EXTERIOR SURFACE COLOR: yellowish-brown; fire clouding on the rim and body

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 7.2 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 11.2

ORIFICE DIAMETER (IN CM): 12.4

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 13.2; maximum body width is 14.7 cm

BASE DIAMETER (IN CM): 9.7; flat and circular base

ESTIMATED VOLUME (IN LITERS): 0.56

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): There is a single broad and overhanging horizontal incised line at the base of the rim (Figure 30). The lip has one incised lip line.

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: cf. Coles Creek Incised, *var. Stoner*



**Figure 30. cf. Coles Creek Incised, *var. Stoner* bowl, Vessel 1440.**

PROVENIENCE: Southern part of Md. D; excavated in 1935 by W. Henry Matthews

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1441; 5425.1729

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Bowl with a slight collar or rim strap (Figure 31a); see also Dickinson (1936:Plate 9:4)

RIM AND LIP FORM: direct rim and a flat lip

CORE COLOR: F (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: yellowish-brown

EXTERIOR SURFACE COLOR: yellowish-brown; fire clouding on the rim and body; organic residue on the rim and body

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 9.2 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 10.5

ORIFICE DIAMETER (IN CM): 13.7

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 12.7

BASE DIAMETER (IN CM): 9.7; flat base

ESTIMATED VOLUME (IN LITERS): 0.58

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): There are two overhanging horizontal incised lines on the collar or narrow rim strap (Figure 31a). The vessel lip also has a single broad incised lip line (Figure 31b).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Coles Creek Incised, *var. Chase*



**a**



**b**

**Figure 31. Coles Creek Incised, *var. Chase* bowl, Vessel 1441: a, side view; b, top view, showing incised lip line.**

PROVENIENCE: Southern part of Md. D; excavated by W. Harry Matthews in 1935

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1443; 5425.2060

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Neckless jar or seed jar (Figure 32); see also Lemley (1936:Plate 7:1)

RIM AND LIP FORM: inverted rim and a flat lip

CORE COLOR: G (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: dark grayish-brown

EXTERIOR SURFACE COLOR: yellowish-brown; fire clouding on body and rim

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 7.2 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 19.8

ORIFICE DIAMETER (IN CM): 5.8

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): N/A; maximum body width of 16.5 cm

BASE DIAMETER (IN CM): 11.0; circular and rounded base

ESTIMATED VOLUME (IN LITERS): 2.9

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): There are two widely-spaced horizontal incised lines near the top of the vessel followed by a mid-body horizontal panel with an incised-punctated motif (Figure 32). The two panels are delimited by two vertical incised lines. Within each panel are horizontal and vertical incised zones filled with tool punctations, curvilinear incised lines, and a single central horizontal incised line with an excised triangle at its termination. Large open areas within the panel are attached to the incised-punctated motif with a curvilinear extension (filled with punctates) and a single horizontal and vertical incised line with excised triangles at either termination (Figure 32).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: French Fork Incised, *var. French Fork*



**Figure 32. French Fork Incised, *var. French Fork* neckless jar, Vessel 1443.**

PROVENIENCE: Southern part of Md. D; excavated by W. Harry Matthews in 1935

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1445; 5425.1769

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Deep bowl (Figure 33)

RIM AND LIP FORM: inverted rim and a rounded lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: dark grayish-brown

EXTERIOR SURFACE COLOR: dark grayish-brown; fire clouding on the base; organic residue on the rim and body

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 6.6 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 11.9

ORIFICE DIAMETER (IN CM): 10.9

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 14.4

BASE DIAMETER (IN CM): 6.0; flat and circular base

ESTIMATED VOLUME (IN LITERS): 1.0

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): Plain (Figure 33)

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Williams Plain



**Figure 33. Williams Plain deep bowl, Vessel 1445.**

PROVENIENCE: Southern part of Md. D; excavated by W. Harry Matthews in 1935

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1446; 5425.1757

NON-PLASTICS AND PASTE: bone and grog

VESSEL FORM: shallow bowl (Figure 35); Dickinson (1936:Plate 9:7) refers to it as a platter

RIM AND LIP FORM: direct rim and a flat lip

CORE COLOR: G (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: dark grayish-brown

EXTERIOR SURFACE COLOR: yellowish-brown; fire clouding

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 6.0 mm; body, 6.2 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 4.7

ORIFICE DIAMETER (IN CM): 19.1

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): N/A

BASE DIAMETER (IN CM): 10.5; circular and rounded base

ESTIMATED VOLUME (IN LITERS): 0.36

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The rim has two overhanging and equally-spaced horizontal incised lines (Figure 34). There is one incised line on the vessel lip.

PIGMENT USE AND LOCATION ON VESSEL: red pigment staining on the interior base, body, and rim, as if the vessel held clay pigment

TYPE [IF KNOWN]: Coles Creek Incised, *var. Campbellsville*



**Figure 34. Coles Creek Incised, *var. Campbellsville* shallow bowl, Vessel 1446.**



PROVENIENCE: Southern part of Md. D; excavated by W. Harry Matthews in 1935

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1447; 5425.1753

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Barrel-shaped jar with collared rim, as described for Coles Creek Incised, *var. Chase* (Figure 35); see also Lemley (1936:Plate 7:4)

RIM AND LIP FORM: inverted rim and flat lip

CORE COLOR: G (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: black

EXTERIOR SURFACE COLOR: red

WALL THICKNESS (RIM, BODY, AND BASE IN MM):  
rim, 5.8 mm

INTERIOR SURFACE TREATMENT: smoothed on the collar

EXTERIOR SURFACE TREATMENT: burnished

HEIGHT (IN CM): 17.3

ORIFICE DIAMETER (IN CM): 9.5

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): N/A

BASE DIAMETER (IN CM): 10.6; circular and rounded base

ESTIMATED VOLUME (IN LITERS): 1.5

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The vessel has an exterior red slip. The only decoration on the rim is a single incised lip line. The vessel body is divided into five panels by sets of two vertical incised lines; the lines terminate at a horizontal line which represents the bottom of the panel. Within each panel are upper and lower negative S-elements (turned on their sides) within triangular and curvilinear zones filled with triangular tool punctations (Figure 35). The triangular elements have large circular punctations at their terminations, and there is a single incised line that bisects the middle curvilinear punctated zone and ends within the two negative S-elements. There are large circular punctations at the terminations of the incised line, and two more large circular punctations where the incised lines intersect the punctated-filled zones.

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: French Fork Incised, *var. French Fork* and Coles Creek Incised, *var. Chase* hybrid; Agee Incised (see discussion in Brown 1996:360-361).



**Figure 35. French Fork Incised, *var. French Fork* and Coles Creek Incised, *var. Chase* hybrid barrel-shaped jar, Vessel 1447.**

PROVENIENCE: Southern part of Md. D; excavated in 1935 by W. Harry Matthews

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1449; 5425.1742

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Shallow bowl (Figure 36a); see also Dickinson (1936:Plates 9:8 and 10:2)

RIM AND LIP FORM: everted rim and a rounded lip

CORE COLOR: F (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: yellowish-brown; fire clouding on the base

EXTERIOR SURFACE COLOR: dark yellowish-brown; fire clouding on the body and base

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 7.0 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 6.0

ORIFICE DIAMETER (IN CM): 17.5

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 10.5

BASE DIAMETER (IN CM): 10.5; circular and rounded base

ESTIMATED VOLUME (IN LITERS): 0.42

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The exterior surface of the vessel has 10 diagonal incised lines with large circular punctates over the lines and/or at their terminations; some of the lines have from as few as one to as many as four large punctations on them (Figure 36a, c). Several of the diagonal incised lines also have a closely adjacent diagonal row of triangular tool punctations. There are also diagonal tool punctated rows interspersed between the diagonal incised lines with large circular punctations.

The interior vessel surface is also decorated. There is a circular incised line that encircles the base, followed by a second circular incised line that has small triangular tool punctations over the line. Between this incised-punctated line and the vessel rim are seven vertical incised lines alternating with seven vertical incised lines that have large circular punctations over the lines. These latter lines have four circular punctations placed over them, two at their termination and two at the juncture of the line with the rim (Figure 36b).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: French Fork Incised, *var. unspecified*



Figure 36. French Fork Incised, *var. unspecified* shallow bowl, Vessel 1449: a, side view; b, interior view; c, exterior basal view.

PROVENIENCE: Southern part of Md. D; excavated in 1935 by W. Harry Matthews

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1450; 5425.1733

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Small barrel-shaped bowl; see also Lemley (1936:Plate 8:3)

RIM AND LIP FORM: inverted rim and rounded lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: dark grayish-brown

EXTERIOR SURFACE COLOR: dark grayish-brown; fire clouding on the rim

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 6.1 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 6.7

ORIFICE DIAMETER (IN CM): 7.6

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 8.3

BASE DIAMETER (IN CM): 7.5; flat and square base

ESTIMATED VOLUME (IN LITERS): 0.20

DECORATION (INCLUDING MOTIF AND

ELEMENTS WHEN APPARENT): There is a single horizontal incised line on the rim, and the body is divided into eight panels: two are plain; two have a single vertical incised line; and four have incised-punctated elements, each stylistically unique (Figure 37).

The first decorated panel has oval-shaped zones filled with small triangular tool punctates, while the second decorated panel has a large incised circle with a negative oval at the top of the panel, outlined by curvilinear zones of punctations (Figure 37). The third panel has a slanted incised scroll line with upper and lower triangular-shaped scroll fill zones that are filled with tool punctations. The fourth panel on the vessel body has an incised oval partially outlined by a small curvilinear area filled with punctations. There is a single horizontal incised line in the center of the panel, and the lower part of the panel has an incised rectangle with smaller rectangle and triangular incised areas within it, both filled with tool punctations.

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: French Fork Incised, *var. unspecified*



**Figure 37. French Fork Incised, *var. unspecified* bowl, Vessel 1450.**

PROVENIENCE: Southern part of Md. D; excavated by W. Harry Matthews in 1935

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1451; 5425.1726

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Barrel-shaped bowl (Figure 38); see also Lemley (1936:Plate 8:1)

RIM AND LIP FORM: inverted rim and a rounded lip

CORE COLOR: H (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: yellowish-brown; fire clouding

EXTERIOR SURFACE COLOR: dark grayish-brown

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 5.6 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 8.7

ORIFICE DIAMETER (IN CM): 8.8

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM):  
9.1

BASE DIAMETER (IN CM): 8.0; square and flat base

ESTIMATED VOLUME (IN LITERS): 0.30

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The vessel has a single incised panel filled with a very irregular incised meandering scroll filled with curvilinear and triangular incised areas that have small circular punctations (Figure 38). There are also areas outside the meandering scroll zone that have from one to two rows of punctations adjacent to single vertical incised lines.

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: French Fork Incised, *var. unspecified*



**Figure 38. French Fork Incised, *var. unspecified* bowl, Vessel 1451.**

PROVENIENCE: Southern part of Md. D; excavated by William Caller in 1935

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1452; 5425.1777

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Bowl

RIM AND LIP FORM: inverted rim and rounded lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: black

EXTERIOR SURFACE COLOR: black

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 6.2 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 9.7

ORIFICE DIAMETER (IN CM): 11.5

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM):  
N/A

BASE DIAMETER (IN CM): 9.0; circular and rounded  
base

ESTIMATED VOLUME (IN LITERS): 0.45

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The rim has two equally-spaced, overhanging, and broad horizontal incised lines that encircle the vessel (Figure 39).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Coles Creek Incised, *var. Greenhouse*



**Figure 39.** Coles Creek Incised, *var. Greenhouse* bowl, Vessel 1452.

PROVENIENCE: Southern part of Md. D; excavated in 1935 by William Caller

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1453; 5425.1763

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Barrel-shaped jar (Figure 40)

RIM AND LIP FORM: direct rim and a flat lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: black

EXTERIOR SURFACE COLOR: black

WALL THICKNESS (RIM, BODY, AND BASE IN MM):  
rim, 6.5 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 13.4

ORIFICE DIAMETER (IN CM): 14.0

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM):  
N/A

BASE DIAMETER (IN CM): 8.0; flat and square base

ESTIMATED VOLUME (IN LITERS): 1.1

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The rim has three equally-spaced and poorly executed horizontal incised lines on the rim (Figure 40).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Coles Creek Incised, *var. unspecified*



**Figure 40. Coles Creek Incised, *var. unspecified* barrel-shaped jar, Vessel 1453.**

PROVENIENCE: South part and near the surface of Md. D.

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1458; 5425.1774

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Barrel-shaped bowl (Figure 41)

RIM AND LIP FORM: direct rim and a rounded lip; the rim is thinned on its interior surface

CORE COLOR: F (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: yellowish-brown

EXTERIOR SURFACE COLOR: dark yellowish-brown; fire clouding on the body; organic residue on the body

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 5.4 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 9.7

ORIFICE DIAMETER (IN CM): 10.8

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM):  
N/A

BASE DIAMETER (IN CM): 8.4; flat and circular base

ESTIMATED VOLUME (IN LITERS): 0.62

DECORATION (INCLUDING MOTIF AND ELEMENTS  
WHEN APPARENT): Plain (Figure 42)

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Williams Plain



**Figure 41. Williams Plain barrel-shaped bowl, Vessel 1458.**



PROVENIENCE: Southern part and near the surface of Md. D

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1459; 5425.1727

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Bowl with a collared rim (Figure 42)

RIM AND LIP FORM: direct rim and a flat lip

CORE COLOR: A (fired and cooled in an oxidizing environment)

INTERIOR SURFACE COLOR: yellowish-brown

EXTERIOR SURFACE COLOR: yellowish-brown; fire clouding on the rim, body, and base

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 6.6 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 7.5

ORIFICE DIAMETER (IN CM): 11.5

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 9.9

BASE DIAMETER (IN CM): 7.0; circular and rounded base

ESTIMATED VOLUME (IN LITERS): 0.35

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): There is a single broad horizontal incised line below the rim collar (Figure 42). The vessel lip has a single incised lip line.

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Coles Creek Incised, *var. Chase* or *var. Phillips*



**Figure 42. Coles Creek Incised, *var. Chase* or *var. Phillips* bowl, Vessel 1459.**

PROVENIENCE: Southern part and near the surface of Md. D

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1460; 5425.1754

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Boat-shaped bowl (Figure 43a-b); see also Dickinson (1936:Plate 10:8)

RIM AND LIP FORM: direct rim and a flat lip

CORE COLOR: G (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: dark grayish-brown

EXTERIOR SURFACE COLOR: dark yellowish-brown;  
fire clouding

WALL THICKNESS (RIM, BODY, AND BASE IN MM):  
rim, 7.6 mm; body, 6.2 mm; base, 7.6 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 5.0

ORIFICE DIAMETER (IN CM): 10.0 by 18.0 cm in width  
and length

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM):  
N/A

BASE DIAMETER (IN CM): 15.5 x 8 cm in length and  
width

ESTIMATED VOLUME (IN LITERS): 0.28

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): There is a single horizontal, and overhanging, incised line just under the vessel lip (Figure 43a). There is also a single centrally placed incised line on the vessel lip (Figure 43b).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Coles Creek Incised, *var. Stoner?*



**Figure 43. Coles Creek Incised, *var. Stoner?* boat-shaped bowl, Vessel 1460: a, side view: b, view of vessel base and incised lip line.**

PROVENIENCE: Southern part and near the surface of Md. D

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1461; 5425.1738

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Bowl with a rim collar or strap (Figure 44a); see also Dickinson (1936:Plate 10:6)

RIM AND LIP FORM: direct rim and a flat lip

CORE COLOR: G (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: dark grayish-brown

EXTERIOR SURFACE COLOR: yellowish-brown; fire clouding on the rim and body

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 6.0 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 5.6

ORIFICE DIAMETER (IN CM): 6.8

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 6.8

BASE DIAMETER (IN CM): 6.3; flat and circular base

ESTIMATED VOLUME (IN LITERS): 0.15

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The rim collar has two closely-spaced horizontal incised lines on it; the vessel lip has two incised lip lines (Figure 44a-b). The vessel body has an incised hooked arm scroll motif repeated five times around the vessel (Figure 44a). There is a large punctated triangle at the termination of each of the incised hooked arms.

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Agee Incised: a hybrid of French Fork Incised, *var. French Fork* and Coles Creek Incised, *var. Chase*



**Figure 44. Agee Incised bowl, Vessel 1461: a hybrid of French Fork Incised, *var. French Fork* and Coles Creek Incised, *var. Chase*: a, side view; b, view of lip lines.**

PROVENIENCE: Southern part and near the surface of Md. D

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1464; 5425.1741. This vessel was documented solely through the examination of photographic images taken by Gilcrease Museum staff.

VESSEL FORM: Bowl with two large and opposed rim straps (Figure 45a-c); see also Dickinson (1936:Plate 10:5)

RIM AND LIP FORM: direct rim and a flat lip

INTERIOR SURFACE COLOR: very dark grayish-brown

EXTERIOR SURFACE COLOR: yellowish-brown; fire clouding on the body and rim

HEIGHT (IN CM): 4.3

ORIFICE DIAMETER (IN CM):10.2

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): maximum body width is 12.1 cm

ESTIMATED VOLUME (IN LITERS): 0.18

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The vessel has a single broad horizontal incised line near the rim that extends to the edges of the opposed rim straps. The vessel body has straight-lined and curvilinear incised zones—two near the rim and in the area with no rim straps—filled with circular tool punctations (Figure 45a). In addition to the incised-punctated zones near the rim, there is a single large curvilinear incised zone (with eight apexes) on the vessel body and base that is also filled with circular punctations (Figure 45c).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: French Fork Incised, *var. French Fork*



a



b



c

**Figure 45. French Fork Incised, *var. French Fork* bowl, Vessel 1464: a, side view; b, view of the vessel interior and rim straps; c, decoration on the vessel exterior body and base.**

PROVENIENCE: Southern part and near the surface of Md. D

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1465; 5425.1776

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Carinated bowl

RIM AND LIP FORM: inverted rim and a rounded lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: black

EXTERIOR SURFACE COLOR: black

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 5.6 mm

INTERIOR SURFACE TREATMENT: smoothed on the rim

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 9.3

ORIFICE DIAMETER (IN CM): 10.6

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM):  
15.0

BASE DIAMETER (IN CM): 9.5; flat and circular base

ESTIMATED VOLUME (IN LITERS): 0.59

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): There is a single overhanging horizontal incised line near the top of the rim (Figure 46).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Coles Creek Incised, *var. Stoner*



**Figure 46. Coles Creek Incised, *var. Stoner* carinated bowl, Vessel 1465.**

PROVENIENCE: Southern part and near the surface of Md. D

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1466; 5425.1735

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Bowl

RIM AND LIP FORM: direct rim and a flat lip

CORE COLOR: F (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: reddish-brown; fire clouding on the body and base

EXTERIOR SURFACE COLOR: reddish-brown; fire clouding on the body and base

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 7.2 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 6.6

ORIFICE DIAMETER (IN CM): 12.0

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): N/A

BASE DIAMETER (IN CM): 11.2; circular and rounded base

ESTIMATED VOLUME (IN LITERS): 0.32

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The vessel lip has a single incised lip line. The vessel rim has an incised panel with diagonal and curvilinear lines or zones, with no particular repetition of design elements (Figure 47).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Coles Creek Incised, *var. unspecified*



**Figure 47. Coles Creek Incised, *var. unspecified* bowl, Vessel 1466**

PROVENIENCE: Southwest part of Md. D

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1468; 5425.1748

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Bowl with one elongated side, perhaps functioning as a ladle (Figure 48a-b)

RIM AND LIP FORM: everted rim and a rounded lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: dark grayish-brown

EXTERIOR SURFACE COLOR: dark grayish-brown

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 4.2 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 3.8

ORIFICE DIAMETER (IN CM): 8.1

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): N/A

BASE DIAMETER (IN CM): 8.1; oval and rounded base

ESTIMATED VOLUME (IN LITERS): 0.12

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): Plain

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Williams Plain



**Figure 48. Williams Plain bowl and/or ladle, Vessel 1468: a, side view; b, view of the vessel interior.**

***Cemetery South and Southwest of Md. D***

PROVENIENCE: cemetery (Cemetery 3) southwest of Md. D

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1442; 5425.1266

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Deep bowl (Figure 49); see also Dickinson (1936:Plate 9:2)

RIM AND LIP FORM: direct rim and a flat lip

CORE COLOR: G (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: black

EXTERIOR SURFACE COLOR: yellowish-brown; fire clouding

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 7.1 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 15.0

ORIFICE DIAMETER (IN CM): 14.7

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 14.8

BASE DIAMETER (IN CM): 9.8; flat and square base

ESTIMATED VOLUME (IN LITERS): 1.8

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): There are two widely-spaced horizontal incised lines on the rim (Figure 49). The lip has a single incised lip line.

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Coles Creek Incised, *var. Greenhouse*



**Figure 49. Coles Creek Incised, *var. Greenhouse* bowl, Vessel 1442.**



PROVENIENCE: in cemetery (Cemetery 3) southwest of Md. D

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1448; 5425.1957

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Jar (Figure 50)

RIM AND LIP FORM: direct rim and flat lip

CORE COLOR: G (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: black

EXTERIOR SURFACE COLOR: yellowish-brown

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 5.7 mm; body, 7.6 mm; base, 16.7 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 13.7

ORIFICE DIAMETER (IN CM): 16.8

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM):  
N/A

BASE DIAMETER (IN CM): 7.0; flat and circular base

ESTIMATED VOLUME (IN LITERS): 1.4

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): Plain

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Williams Plain



**Figure 50. Williams Plain jar, Vessel 1448.**

PROVENIENCE: cemetery (Cemetery 3) southwest of Md. D

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1454; 5425.1751

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Deep bowl with collared rim (Figure 51a); see also Lemley (1936:Plate 7:5)

RIM AND LIP FORM: inverted rim with a flat lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: dark grayish-brown

EXTERIOR SURFACE COLOR: dark grayish-brown

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 9.8 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 14.7

ORIFICE DIAMETER (IN CM): 11.6

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 15.0

BASE DIAMETER (IN CM): 11.0; circular and rounded base

ESTIMATED VOLUME (IN LITERS): 1.4

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): There are five horizontal incised lines on the rim collar, and the lip has a single incised lip line (Figure 51b). The vessel body has two panels, divided by a large cross-hatched incised element (with an accompanying incised triangle partially filled with a curvilinear zone of punctations) (Figure 51a). One panel has upper and lower incised concentric semi-circles, the outer circle of which is filled with circular punctations. The second panel has an upper set of incised concentric semi-circles, the outer circle of which is filled with circular punctations, as well as an incised hooked arm element pendant from the rim; this element is partly filled with circular punctations.

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Coles Creek Incised, *var. Chase* and French Fork Incised, *var. unspecified* hybrid, Agee Incised



**Figure 51. Coles Creek Incised, *var. Chase* and French Fork Incised, *var. unspecified* hybrid, Agee Incised deep bowl, Vessel 1454: a, side view; b, top view, showing incised lip lines.**

PROVENIENCE: cemetery (Cemetery 3) southwest of Md. D

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1455; 5425.1759

NON-PLASTICS AND PASTE: grog with a sandy paste

VESSEL FORM: Jar (Figure 52)

RIM AND LIP FORM: everted rim with a rounded and exterior folded lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: black

EXTERIOR SURFACE COLOR: black; fire clouding on rim and vessel body

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 6.7 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 8.9

ORIFICE DIAMETER (IN CM): 11.9

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 10.4

BASE DIAMETER (IN CM): 5.4; flat and square base

ESTIMATED VOLUME (IN LITERS): 0.64

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): Plain

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Williams Plain



**Figure 52. Williams Plain jar, Vessel 1455.**

PROVENIENCE: cemetery (Cemetery 3) southwest of Md. D

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1456; 5425.1734

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Bowl; see also Dickinson (1936:Plate 10:3)

RIM AND LIP FORM: inverted rim and a rounded lip

CORE COLOR: G (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: black

EXTERIOR SURFACE COLOR: yellowish-brown; fire clouding on the rim and body

WALL THICKNESS (RIM, BODY, AND BASE IN MM):  
rim, 6.8 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 9.2

ORIFICE DIAMETER (IN CM): 10.0

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): N/A

BASE DIAMETER (IN CM): 7.0; flat and circular base

ESTIMATED VOLUME (IN LITERS): 0.37

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): There are two equally-spaced horizontal incised lines on the rim, followed by an incised-punctated motif in a panel that is repeated four times around the vessel body (Figure 53).

The incised-punctated motif includes vertical incised bracket dividers filled with small punctations on either side of a large oval-shaped incised area between that has an incised line with two curvilinear and one horizontal segments. In three instances, there is a single large circular punctation at the termination of the horizontal incised line segment (Figure 53). However, the fourth example of the motif has large circular punctations at both terminations of the horizontal incised line segment, and there is a third large circular punctation in the large oval that is not connected to any of the internal incised line segments.

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: French Fork Incised, *var. French Fork*



**Figure 53. French Fork Incised, *var. French Fork* bowl, Vessel 1456.**

PROVENIENCE: cemetery (Cemetery 3) southwest of Md. D

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1457; 5425.1731

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Bowl; see also Dickinson (1936:Plate 10:1)

RIM AND LIP FORM: inverted rim and a rounded lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: dark grayish-brown

EXTERIOR SURFACE COLOR: dark grayish-brown

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 7.5 mm; base, 7.5 mm

INTERIOR SURFACE TREATMENT: smoothed on the rim

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 8.9

ORIFICE DIAMETER (IN CM): 10.5

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 14.5

BASE DIAMETER (IN CM): 14.5; circular and rounded base

ESTIMATED VOLUME (IN LITERS): 0.37

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The rim panel is defined by upper and lower broad horizontal incised lines. Within the rim panel are seven alternating curvilinear (n=3) and semi-circular (n=4) incised areas (Figure 54). The curvilinear incised areas are filled with triangular tool punctations, as is one of the semi-circular incised areas. The other three semi-circular incised areas each are defined by two incised lines, and are not filled with punctations.

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: French Fork Incised, *var. Larkin?*



**Figure 54. French Fork Incised, *var. Larkin?* bowl, Vessel 1457.**

PROVENIENCE: cemetery (Cemetery 3) southwest of Md. D

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1462; 5425.1744

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Boat-shaped bowl (Figure 55a-b); see also Dickinson (1936:Plate 10:9)

RIM AND LIP FORM: direct rim and a flat lip

CORE COLOR: G (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: dark grayish-brown

EXTERIOR SURFACE COLOR: dark yellowish-brown; fire clouding on the base

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 6.9 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 4.5

ORIFICE DIAMETER (IN CM): 15.2 x 10.1 cm in length and width

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): N/A

BASE DIAMETER (IN CM): 11.5 x 7.0 cm in length and width

ESTIMATED VOLUME (IN LITERS): 0.23

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): There is a single broad incised line on the vessel lip (Figure 55b).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Coles Creek Incised, *var. Keo*



**Figure 55. Coles Creek Incised, *var. Keo* boat-shaped bowl, Vessel 1462: a, side view; b, view of vessel interior and incised lip line.**

PROVENIENCE: South of Md. D

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1463; 5425.1750

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Plate (Figure 56a-b)

RIM AND LIP FORM: direct rim and a flat lip

CORE COLOR: F (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: yellowish-brown; fire clouding

EXTERIOR SURFACE COLOR: yellowish-brown; fire clouding on the base

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 6.2

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: burnished

HEIGHT (IN CM): 3.0

ORIFICE DIAMETER (IN CM): 23.7

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): N/A

BASE DIAMETER (IN CM): 14.5; circular and rounded base

ESTIMATED VOLUME (IN LITERS): N/A

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The exterior surface of the plate has two widely-spaced lines that encircle the vessel (Figure 56b). The vessel lip has a single broad incised line on it (Figure 56a).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Coles Creek Incised, *var. Greenhouse*



**Figure 56. Coles Creek Incised, *var. Greenhouse* plate, Vessel 1463: a, side view, note incised lip line; b, exterior basal view.**

PROVENIENCE: cemetery (Cemetery 3) southwest of Md. D

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1467; 5425.1959

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Jar with a stilt base (Figure 57)

RIM AND LIP FORM: direct rim and a flat lip

CORE COLOR: G (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: dark grayish-brown

EXTERIOR SURFACE COLOR: dark yellowish-brown;  
fire clouding

WALL THICKNESS (RIM, BODY, AND BASE IN MM):  
rim, 9.1 mm

INTERIOR SURFACE TREATMENT: smoothed on the  
rim

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 15.2

ORIFICE DIAMETER (IN CM): 17.3

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): N/A

BASE DIAMETER (IN CM): 9.4; flat and square base

ESTIMATED VOLUME (IN LITERS): 1.6

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): Plain

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Williams Plain



**Figure 57. Williams Plain jar, Vessel 1467.**



PROVENIENCE: cemetery (Cemetery 3) southwest of Md. D

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1469; 5425.2255A

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Bowl

RIM AND LIP FORM: inverted rim and a rounded lip

CORE COLOR: G (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: black

EXTERIOR SURFACE COLOR: yellowish-brown; fire clouding on the body and base

WALL THICKNESS (RIM, BODY, AND BASE IN MM):  
rim, 6.5 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 16.0

ORIFICE DIAMETER (IN CM): 29.0

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): N/A

BASE DIAMETER (IN CM): 17.0; circular and rounded base

ESTIMATED VOLUME (IN LITERS): 3.7

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The vessel rim is decorated with two equally-spaced and thin horizontal incised lines (Figure 58).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Coles Creek Incised, *var. Greenhouse*



**Figure 58. Coles Creek Incised, *var. Greenhouse* bowl, Vessel 1469.**

PROVENIENCE: cemetery (Cemetery) southwest of Md. D

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1474; 5425.1773

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Jar with a stilt base (Figure 59)

RIM AND LIP FORM: N/A

CORE COLOR: G (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: dark grayish-brown

EXTERIOR SURFACE COLOR: yellowish-brown

WALL THICKNESS (RIM, BODY, AND BASE IN MM): body, 7.3 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: none

HEIGHT (IN CM): 10.5+

ORIFICE DIAMETER (IN CM): 12.7

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): maximum body width is 13.4 cm

BASE DIAMETER (IN CM): 7.5; flat and circular base

ESTIMATED VOLUME (IN LITERS): 0.8+

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): Plain

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Williams Plain



**Figure 59. Williams Plain jar, Vessel 1474.**

***Field South of Md. D***

PROVENIENCE: Burial in a field south of Md. D

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1520; 5425.2281

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Jar with a stilt base (Figure 60)

RIM AND LIP FORM: everted rim and a flat lip

CORE COLOR: F (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: yellowish-brown

EXTERIOR SURFACE COLOR: yellowish-brown;  
organic residue on vessel body

WALL THICKNESS (RIM, BODY, AND BASE IN MM):  
rim, 4.6 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: none

HEIGHT (IN CM): 11.5

ORIFICE DIAMETER (IN CM): 11.6

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 11.2

BASE DIAMETER (IN CM): 6.8; flat and circular base

ESTIMATED VOLUME (IN LITERS): 0.8

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The rim has 26 equally-spaced vertical incised lines as well as eight overlapping diagonal incised lines. The bottom of the rim panel is defined by a single horizontal incised line (Figure 60).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Williams Incised? (see Brown 1996:355)



**Figure 60. Williams Incised (?) jar, Vessel 1520.**

***Unknown Provenience at the Crenshaw Site***

PROVENIENCE: Unknown; this vessel has a duplicate accession number to a punctated vessel from Md. B, Pit 8. Its actual accession number is not known.

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel X

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Jar (Figure 61)

RIM AND LIP FORM: N/A

CORE COLOR: A (fired and cooled in an oxidizing environment)

INTERIOR SURFACE COLOR: yellowish-brown; fire clouding

EXTERIOR SURFACE COLOR: yellowish-brown; fire clouding on the vessel body

WALL THICKNESS (RIM, BODY, AND BASE IN MM): body, 4.4 mm; base, 5.7 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): N/A

ORIFICE DIAMETER (IN CM): N/A

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): maximum body width is 12.5 cm

BASE DIAMETER (IN CM): N/A; flat and square base

ESTIMATED VOLUME (IN LITERS): N/A

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): Plain

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Unidentified plain ware, possibly Williams Plain



**Figure 61. Unidentified plain jar, Vessel X, from an unknown provenience at the Crenshaw site.**

***Early Caddo vessels***

***Md. B***

PROVENIENCE: upper burial No. 1 in Md. B

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1344; 5425.2132; Vessels 1344 to Vessel 1349 were found together in upper burial No. 1

NON-PLASTICS AND PASTE: fine grog

VESSEL FORM: Bowl

RIM AND LIP FORM: direct rim and a rounded lip

CORE COLOR: G (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: dark grayish-brown

EXTERIOR SURFACE COLOR: dark yellowish-brown

WALL THICKNESS (RIM, BODY, AND BASE IN MM):  
rim, 6.4 mm

INTERIOR SURFACE TREATMENT: burnished

EXTERIOR SURFACE TREATMENT: burnished

HEIGHT (IN CM): 10.5

ORIFICE DIAMETER (IN CM): 11.8

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): N/A

BASE DIAMETER (IN CM): 9.0; circular and rounded base

ESTIMATED VOLUME (IN LITERS): 0.5

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The rim has four equally-spaced horizontal engraved lines, while the body has three engraved panels (Figure 62). The panels include a large set of stacked triangles (the smallest one is excised) adjacent to a short scroll with a large cross-hatched circle at its center. There are also two excised triangles above and on either side of the large cross-hatched circle.

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Crockett Curvilinear Incised, but engraved



**Figure 62. Engraved variant of Crockett Curvilinear Incised bowl, Vessel 1344.**

PROVENIENCE: upper burial No. 1, Md. B

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1345; 5425.2368

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Bowl

RIM AND LIP FORM: direct rim and a flat lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: dark grayish-brown

EXTERIOR SURFACE COLOR: dark grayish-brown

WALL THICKNESS (RIM, BODY, AND BASE IN MM):  
rim, 4.6 mm

INTERIOR SURFACE TREATMENT: burnished

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 5.0

ORIFICE DIAMETER (IN CM): 19.0

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): N/A

BASE DIAMETER (IN CM): N/A

ESTIMATED VOLUME (IN LITERS): 0.38

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The rim has two widely-spaced horizontal engraved lines above a scroll and circle motif repeated six times around the vessel. The central element in the scroll is a large cross-hatched circle (Figure 63). Adjacent scroll fill zones consist of two cross-hatched engraved triangles pendant from either the lower of the horizontal engraved lines below the lip or from the lower part of the motif itself.

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Crockett Curvilinear Incised, except the decoration is engraved



**Figure 63. Engraved variant of Crockett Curvilinear Incised bowl, Vessel 1345.**

PROVENIENCE: upper burial No. 1, Md. B

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1346; 5425.2200

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Jar with four rim peaks (Figure 64)

RIM AND LIP FORM: everted rim and a rounded lip

CORE COLOR: G (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: dark grayish-brown

EXTERIOR SURFACE COLOR: dark yellowish-brown

WALL THICKNESS (RIM, BODY, AND BASE IN MM):  
rim, 5.5 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: none

HEIGHT (IN CM): 22.0

ORIFICE DIAMETER (IN CM): 14.7

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 11.8

BASE DIAMETER (IN CM): 7.7; flat and square base

ESTIMATED VOLUME (IN LITERS): 2.9

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The rim has two rows of tool punctations, one under the lip and rim peaks, and the other at the rim-body junction. Intervening areas on the rim have sets of four curvilinear and four horizontal incised lines (Figure 64).

The body decoration is demarcated at the top of the body with four horizontal incised lines and two curvilinear lines, with the area between them filled with short vertical incised lines. The remainder of the body design consist of four sets of two stacked elements (Figure 64). The first stacked element consists of three tiers of incised concentric circles (5-7 circles); the central and innermost circle has a radius of tool punctations and diagonal incised lines. The second element, which lie between the concentric circles, includes a stacked series of incised rectangles, with internal rectangles and opposed L-shaped lines. These incised rectangles are within a larger rectangle delimited by incised lines and superimposed tool punctated rows. On the bottom tier, both the concentric circles and incised rectangles are partially enclosed in a zone of tool punctations near the vessel base.

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: cf. Haley Complicated Incised



**Figure 64. cf. Haley Complicated Incised jar, Vessel 1346.**

PROVENIENCE: upper burial No. 1, Md. B

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1347; 5425.128

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Carinated bowl

RIM AND LIP FORM: inverted rim and rounded lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: very dark grayish-brown

EXTERIOR SURFACE COLOR: very dark grayish-brown

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 5.5 mm; body, 6.9 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 6.3

ORIFICE DIAMETER (IN CM): 18.0

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 20.0

BASE DIAMETER (IN CM): 20.0; circular and rounded base

ESTIMATED VOLUME (IN LITERS): 0.68

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The top of the rim has two widely spaced horizontal engraved lines. Below that is a scroll and circle motif that is repeated four times around the vessel (Figure 65). The central element of the scroll is a circle filled with cross-hatched engraved lines. There are also large triangular-shaped and cross-hatched upper and lower scroll fill zones adjacent to the cross-hatched circle element of the scroll.

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: cf. Crockett Curvilinear Incised, but engraved



**Figure 65. Engraved variant of Crockett Curvilinear Incised carinated bowl, Vessel 1347.**



PROVENIENCE: upper burial No. 1, Md. B

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1348; 5425.2207

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Bottle with a slightly tapered neck (Figure 66)

RIM AND LIP FORM: direct rim and a flat lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: black

EXTERIOR SURFACE COLOR: black; fire clouding

WALL THICKNESS (RIM, BODY, AND BASE IN MM):  
rim, 4.2 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: burnished

HEIGHT (IN CM): 29.5

ORIFICE DIAMETER (IN CM): 4.7

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM):  
6.6; maximum body width is 18.2 cm

BASE DIAMETER (IN CM): 6.2

ESTIMATED VOLUME (IN LITERS): 0.73

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The upper part of the vessel body has six closely-spaced horizontal engraved lines (Figure 66).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Hickory Engraved



**Figure 66. Hickory Engraved bottle, Vessel 1348.**

PROVENIENCE: upper burial No. 1, Md. B

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1349; 5425.2208

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Jar with a tall rim, and a single suspension hole (4.0 mm in diameter) on the rim (Figure 67)

RIM AND LIP FORM: direct rim and a rounded lip

CORE COLOR: G (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: dark grayish-brown

EXTERIOR SURFACE COLOR: yellowish-brown; fire clouding

WALL THICKNESS (RIM, BODY, AND BASE IN MM):  
rim, 5.4 mm

INTERIOR SURFACE TREATMENT: smoothed on the rim

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 19.1

ORIFICE DIAMETER (IN CM): 11.2

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM):  
9.5

BASE DIAMETER (IN CM): 8.5; flat and circular base

ESTIMATED VOLUME (IN LITERS): 1.9

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The rim has seven widely-spaced horizontal engraved lines on it (Figure 67). The suspension hole was placed between the second and third lines from the top.

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Hickory Engraved



**Figure 67. Hickory Engraved jar, Vessel 1349.**

PROVENIENCE: upper levels of Md. B

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1481; 5425.2260; Vessels 1481 to Vessel 1512 were all found in the upper levels of Mound B

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Bottle with a globular body and a tapered neck

RIM AND LIP FORM: inverted rim and rounded lip

CORE COLOR: F?

INTERIOR SURFACE COLOR: N/A

EXTERIOR SURFACE COLOR: dark yellowish-brown;  
fire clouding on the vessel neck and body

WALL THICKNESS (RIM, BODY, AND BASE IN MM):  
rim, 3.5 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 21.2

ORIFICE DIAMETER (IN CM): 3.3

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 7.6; maximum body width is 16.8 cm

BASE DIAMETER (IN CM): 8.0; circular and rounded base

ESTIMATED VOLUME (IN LITERS): 0.68

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): There are three horizontal engraved lines on the bottle neck, just below the lip. The vessel body has a decorated panel defined by three horizontal lines at the top of the body, and two horizontal engraved lines near the vessel base. The panel is divided into four sub-panels by four sets of four vertical engraved lines. Each sub-panel has a concentric semi-circle motif repeated four times around the vessel, and the semi-circles are bisected by a set of four diagonal engraved lines (Figure 68).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Spiro Engraved



**Figure 68. Spiro Engraved bottle, Vessel 1481.**

PROVENIENCE: Upper levels of Md. B

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1482; 5425.2245

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Jar

RIM AND LIP FORM: everted rim and rounded lip

CORE COLOR: F (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: yellowish-brown

EXTERIOR SURFACE COLOR: yellowish-brown; fire clouding

WALL THICKNESS (RIM, BODY, AND BASE IN MM):  
rim, 4.9 mm

INTERIOR SURFACE TREATMENT: smoothed on the rim

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 9.0

ORIFICE DIAMETER (IN CM): 8.0

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 6.7

BASE DIAMETER (IN CM): 3.5; flat and circular base

ESTIMATED VOLUME (IN LITERS): 0.43

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): There are seven very closely-spaced horizontal incised lines on the vessel rim (Figure 69).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Unidentified utility ware



**Figure 69. Unidentified incised jar, Vessel 1482.**

PROVENIENCE: Upper levels of Md. B

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1483; 5425.2275

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Carinated bowl

RIM AND LIP FORM: direct rim (exterior thickened) and flat lip

CORE COLOR: G (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: dark grayish-brown

EXTERIOR SURFACE COLOR: light grayish-brown; fire clouding on the rim and body

WALL THICKNESS (RIM, BODY, AND BASE IN MM):  
rim, 5.5 mm; body, 4.9 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 8.8

ORIFICE DIAMETER (IN CM): 18.9

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM):  
19.5

BASE DIAMETER (IN CM): 9.0; flat and circular base

ESTIMATED VOLUME (IN LITERS): 1.0

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): There are four horizontal incised lines on the vessel rim. The vessel body has a negative and undecorated curvilinear scroll outlined by six upper incised semi-circles filled with large tool punctations, as well as six lower curvilinear and triangular incised zones also filled with large tool punctations (Figure 70).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: cf. Crockett Curvilinear Incised



**Figure 70. cf. Crockett Curvilinear Incised carinated bowl, Vessel 1483.**

PROVENIENCE: Upper levels of Md. B

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1492; 5425.2268

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Oval-shaped bowl with two large opposed tab tails (handles), and opposed suspension holes on the tab tails (Figure 71a-b).

RIM AND LIP FORM: inverted rim and a rounded lip

CORE COLOR: F? (possibly fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: N/A

EXTERIOR SURFACE COLOR: dark yellowish-brown; fire clouding on the body and base

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 5.4 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 3.8

ORIFICE DIAMETER (IN CM): 4.0 x 3.2 cm in length and width

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 6.2 x 5.6 cm in length and width

BASE DIAMETER (IN CM): 6.2 x 5.6 cm in length and width; oval and rounded base

ESTIMATED VOLUME (IN LITERS): 0.09

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The vessel is decorated on one side of the rim and body with engraved ovals, columns (filled with a few hatched lines), and rectangles, while the other side has a poorly executed combination of vertical arcing lines, meandering lines, and hatched lines (Figure 71a). One end has a cross-hatched engraved zone above the tab tails (Figure 71b).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Unidentified fine ware



**Figure 71. Unidentified engraved oval-shaped bowl, Vessel 1492: a, side view; b, top down view.**

PROVENIENCE: Upper levels of Md. B

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1496; 5425.2465

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Bowl

RIM AND LIP FORM: N/A, possibly inverted rim

CORE COLOR: F (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: reddish-brown

EXTERIOR SURFACE COLOR: yellowish-brown; fire clouding on the vessel rim and body

WALL THICKNESS (RIM, BODY, AND BASE IN MM):  
body, 6.5 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): N/A

ORIFICE DIAMETER (IN CM): 11.5

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): N/A

BASE DIAMETER (IN CM): 7.3; flat and circular base

ESTIMATED VOLUME (IN LITERS): N/A

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The rim has at least two equally-spaced horizontal incised lines, as does the lower vessel body. Between these lines are repeating incised circle elements, with the inner circle filled with tool punctations. There are upper and lower curvilinear scroll zones filled with curvilinear lines (Figure 72). These upper and lower scroll zones each have an incised line that extends outward to merge with the outer central incised circle.

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Crockett Curvilinear Incised



**Figure 72. Crockett Curvilinear Incised bowl, Vessel 1496.**

PROVENIENCE: Upper levels of Md. B

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1497; 5425.2440

NON-PLASTICS AND PASTE: grog-organics

VESSEL FORM: Jar (Figure 73)

RIM AND LIP FORM: everted rim and a rounded lip; rim thinned on the interior surface

CORE COLOR: F (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: dark yellowish-brown

EXTERIOR SURFACE COLOR: dark yellowish-brown

WALL THICKNESS (RIM, BODY, AND BASE IN MM):  
rim, 5.2 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: none

HEIGHT (IN CM): 10.7

ORIFICE DIAMETER (IN CM): 10.0

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 9.5

BASE DIAMETER (IN CM): 7.0; flat and circular base

ESTIMATED VOLUME (IN LITERS): 0.64

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The rim is plain, but there are four closely-spaced horizontal incised lines below the rim-body juncture (Figure 73). The remainder of the body has a faint series of four double-lined incised triangles, each with their apex pointed towards the rim.

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Unidentified utility ware



**Figure 73. Unidentified incised jar, Vessel 1497.**



PROVENIENCE: Upper levels of Md. B

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1502; 5425.2243

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Jar

RIM AND LIP FORM: everted rim and a rounded lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: dark grayish-brown

EXTERIOR SURFACE COLOR: dark grayish-brown

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 5.6 mm

INTERIOR SURFACE TREATMENT: smoothed on the rim

EXTERIOR SURFACE TREATMENT: none

HEIGHT (IN CM): 8.7

ORIFICE DIAMETER (IN CM): 7.4

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 6.9

BASE DIAMETER (IN CM): 5.7; circular and rounded base

ESTIMATED VOLUME (IN LITERS): 0.22

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The rim is decorated with five horizontal rows of tool punctations (Figure 74). The body has six panels of punctations from top to bottom, and these punctated panels end 1.5 cm above the vessel base. From the top, the first panel has diagonal punctations, followed by a second panel with four horizontal rows of tool punctations. The third panel has diagonal punctations, while the fourth has three horizontal rows of punctations. The fifth panel has diagonal punctations, and the sixth and bottom panel has four horizontal rows of tool punctations.

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: possible Sinner Linear Punctated



**Figure 74. Possible Sinner Linear Punctated jar, Vessel 1502.**

PROVENIENCE: Upper levels of Md. B

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1507; 5425.2289

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Bottle with a long and tapered neck (Figure 75)

RIM AND LIP FORM: direct rim and a flat lip

CORE COLOR: F? (probably fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: N/A

EXTERIOR SURFACE COLOR: red

WALL THICKNESS (RIM, BODY, AND BASE IN MM):  
rim, 3.6 mm

INTERIOR SURFACE TREATMENT: smoothed on the upper neck

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 29.8

ORIFICE DIAMETER (IN CM): 3.6

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM):  
6.8; maximum body width is 13.5 cm

BASE DIAMETER (IN CM): 11.3; circular and rounded base

ESTIMATED VOLUME (IN LITERS): 1.35

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The vessel exterior surface is decorated with a red slip (Figure 75).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Smithport Plain or Sanders Plain



**Figure 75. Smithport Plain or Sanders Plain bottle, Vessel 1507.**

PROVENIENCE: Upper levels of Md. B

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1508; 5425.2288

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Bottle with a square body and a short neck (Figure 76)

RIM AND LIP FORM: direct rim and a rounded lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: black

EXTERIOR SURFACE COLOR: black

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 7.7 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 25.5

ORIFICE DIAMETER (IN CM): 5.8

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 6.7; maximum body width is 20.8 cm

BASE DIAMETER (IN CM): 10.0; circular and rounded base

ESTIMATED VOLUME (IN LITERS): 1.0

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): There are three equally-spaced horizontal engraved lines at the top of the vessel body (Figure 76).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Hickory Engraved



**Figure 76. Hickory Engraved bottle, Vessel 1508.**

PROVENIENCE: Md. B, Pit 1

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1350; 5425.2248. Vessels 1350 to Vessel 1356 are associated funerary offerings in Pit 1.

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Bottle with a globular body and a short neck

RIM AND LIP FORM: direct rim and a rounded lip

CORE COLOR: G (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: dark grayish-brown

EXTERIOR SURFACE COLOR: yellowish-red and brown

WALL THICKNESS (RIM, BODY, AND BASE IN MM):  
rim, 5.2 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: burnished

HEIGHT (IN CM): 24.3

ORIFICE DIAMETER (IN CM): 4.9

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM):  
5.4; maximum body width is 17.0 cm

BASE DIAMETER (IN CM): 8.1; flat and circular base

ESTIMATED VOLUME (IN LITERS): 0.78

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The vessel body has two engraved panels that are between two upper and lower horizontal engraved lines. The panels are divided by a vertical cross-hatched zone that has small hatched pendant triangles on both sides of the columns. The panels are defined by a large oval-shaped semi-circle that has three concentric circles within the semi-circle (Figure 77). Both of the two outer concentric circles also have pendant triangles, but they are plain and not hatched. The central concentric circle is connected to the second concentric circle by four hatched brackets, and the overall motif resembles a scroll and cross.

PIGMENT USE AND LOCATION ON VESSEL: red pigment on the engraved panels

TYPE [IF KNOWN]: cf. Haley Engraved



Figure 77. cf. Haley Engraved bottle, Vessel 1350.

PROVENIENCE: Md. B., Pit 1

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1351; 5425.2218

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Bottle with a long tapered neck (Figure 78)

RIM AND LIP FORM: direct rim and flat lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: black

EXTERIOR SURFACE COLOR: black; fire clouding on the lip

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 2.6; base, 9.3 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: polished

HEIGHT (IN CM): 19.1

ORIFICE DIAMETER (IN CM): 3.3

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 5.0; maximum body width is 10.9 cm

BASE DIAMETER (IN CM): 9.3; circular and rounded base

ESTIMATED VOLUME (IN LITERS): 0.71

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): There are three horizontal engraved lines at the top of the bottle, four horizontal engraved lines that encircle the top of the vessel body, and three horizontal engraved lines that are near the vessel base. The remainder of the body is divided into three panels by large brackets with two smaller brackets within each one; the smallest has horizontal hatched lines (Figure 78). The panels themselves include three well-executed and evenly spaced concentric circles. The innermost and smallest concentric circle has an excised dimple or pit (Suhm and Jelks 1962:77 and Plate 40g) at its center.

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Holly Fine Engraved



**Figure 78. Holly Engraved bottle, Vessel 1351.**

PROVENIENCE: Md. B, Pit 1

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1352; 5425.2242

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Bottle with a globular body and a tapering neck

RIM AND LIP FORM: direct rim and a rounded lip

CORE COLOR: F (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: dark yellowish-brown

EXTERIOR SURFACE COLOR: dark yellowish-brown; fire clouding on the body and neck

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 4.8 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 25.6

ORIFICE DIAMETER (IN CM): 3.6

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 6.6; maximum body width is 16.5 cm

BASE DIAMETER (IN CM): 14.0; circular and rounded base

ESTIMATED VOLUME (IN LITERS): 1.4

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The bottle neck has three horizontal engraved lines below the lip, and the vessel body has four and three horizontal lines at the top and bottom of the body, respectively. In between are three panels of engraved concentric vertical arcing lines, forming an oval in the middle of the panel with opposed vertical arcing lines and excised areas as the innermost vertical arcing line; these opposed vertical arcing lines are divided by a narrow bracket with upper and central excised areas and horizontal engraved lines (Figure 79). This narrow engraved bracket is a compressed version of the engraved dividers between each of the panels. These, which extend from the top to the bottom of the vessel body, are divided by horizontal to curvilinear engraved lines, and excised zones in the central and top parts of the brackets.

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: cf. Holly Fine Engraved



**Figure 79. cf. Holly Fine Engraved bottle, Vessel 1352.**

PROVENIENCE: Md. B, Pit 1

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1353; 5425.2238

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Bottle with tapered neck

RIM AND LIP FORM: direct rim and a flat lip

CORE COLOR: A (fired and cooled in an oxidizing environment)

INTERIOR SURFACE COLOR: red

EXTERIOR SURFACE COLOR: red

WALL THICKNESS (RIM, BODY, AND BASE IN MM): neck, 6.2 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 26.9

ORIFICE DIAMETER (IN CM): 4.0

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 6.4

BASE DIAMETER (IN CM): 9.2; flat and circular base

ESTIMATED VOLUME (IN LITERS): 1.0

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): Plain (Figure 80)

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: cf. Smithport Plain



**Figure 80. cf. Smithport Plain bottle, Vessel 1353.**

PROVENIENCE: Md. B., Pit 1

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1354; 5425.2212

NON-PLASTICS AND PASTE: grog and <5% bone

VESSEL FORM: Bottle with a globular body and a tapered neck

RIM AND LIP FORM: direct rim and a rounded lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: dark grayish-brown

EXTERIOR SURFACE COLOR: dark grayish-brown

WALL THICKNESS (RIM, BODY, AND BASE IN MM):  
rim, 4.0 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 24.2

ORIFICE DIAMETER (IN CM): 3.5

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM):  
5.9; maximum body width is 15.3 cm

BASE DIAMETER (IN CM): 8.8; flat and circular base

ESTIMATED VOLUME (IN LITERS): 0.85

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): There are four closely-spaced horizontal engraved lines just below the bottle neck lip. At the top of the vessel body, there are seven closely-spaced and finely executed horizontal engraved lines; the lowermost horizontal engraved line is more pronounced (i.e., deeper and broader line) than the others (Figure 81).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Hickory Engraved



**Figure 81. Hickory Engraved bottle, Vessel 1354.**



PROVENIENCE: Md. B, Pit 1

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1355; 5425.2278

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Bowl with opposed tab tails (Figure 82a)

RIM AND LIP FORM: direct rim and a flat lip

CORE COLOR: N/A

INTERIOR SURFACE COLOR: red

EXTERIOR SURFACE COLOR: red

WALL THICKNESS (RIM, BODY, AND BASE IN MM):  
rim, 6.0 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: burnished

HEIGHT (IN CM): 7.0

ORIFICE DIAMETER (IN CM): 14.8

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM):  
N/A

BASE DIAMETER (IN CM): 6.6; flat and circular base

ESTIMATED VOLUME (IN LITERS): 0.42

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The vessel has a red slip on both interior and exterior surfaces (Figure 82a); the slipping was done after the incised lines were executed (see Suhm and Jelks 1962:41). The rim also has four horizontal incised lines that encircle the vessel. These lines dip when they reach under the two opposed tab tails (Figure 82b).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: East Incised



**Figure 82. East Incised bowl, Vessel 1355: a, side view; b, view of vessel where incised lines dip down under the tab tail.**

PROVENIENCE: Md. B, Pit 1

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1356; 5425.2228

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Jar

RIM AND LIP FORM: direct rim and a rounded lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: black

EXTERIOR SURFACE COLOR: black

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 5.4 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 10.5

ORIFICE DIAMETER (IN CM): 11.2

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 10.6

BASE DIAMETER (IN CM): 8.0

ESTIMATED VOLUME (IN LITERS): 0.7

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The rim has five evenly spaced horizontal engraved lines. The vessel body is decorated with 26 distinctive broad and vertical fluted grooves that extend from the rim-body juncture to the vessel base (Figure 83).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Hickory Engraved-Crenshaw Fluted



**Figure 83. Hickory Engraved-Crenshaw Fluted jar, Vessel 1356.**

PROVENIENCE: 4 inches (10 cm) under the surface, Md. B

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1359; 5425.2216. Vessels 1359 and 1360 were found in the same context atop Mound B.

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Bottle with a tapered neck (Figure 84)

RIM AND LIP FORM: direct rim and a flat lip

CORE COLOR: F (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: dark yellowish-brown

EXTERIOR SURFACE COLOR: dark yellowish-brown;  
fire clouding on the body and the neck

WALL THICKNESS (RIM, BODY, AND BASE IN MM):  
rim, 4.5 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 16.0

ORIFICE DIAMETER (IN CM): 3.4

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM):  
4.6; maximum body width is 8.5 cm

BASE DIAMETER (IN CM): 4.5

ESTIMATED VOLUME (IN LITERS): 0.29

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): Plain

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Unidentified plain ware



**Figure 84. Plain bottle, Vessel 1359.**

PROVENIENCE: Md. B. four inches (10 cm) under the surface

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1360; 5425.2222

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Bottle with a globular body and a straight neck

RIM AND LIP FORM: direct rim and a rounded lip

CORE COLOR: F (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: dark yellowish-brown

EXTERIOR SURFACE COLOR: dark yellowish-brown;  
fire clouding on the body and neck

WALL THICKNESS (RIM, BODY, AND BASE IN MM):  
rim, 4.9 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: burnished on the  
neck and smoothed on the body

HEIGHT (IN CM): 16.5

ORIFICE DIAMETER (IN CM): 3.4

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM):  
3.9; maximum body width is 8.7 cm

BASE DIAMETER (IN CM): 6.8; flat and circular base

ESTIMATED VOLUME (IN LITERS): 0.45

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The bottle neck has five horizontal engraved lines below the lip. On the body there are four horizontal engraved lines below the neck-body juncture and three horizontal lines just above the base. The remainder of the vessel body is divided into four panels with concentric circles (n=6) and concentric semi-circles (n=2). (Figure 85). The panels are divided by vertical brackets comprised of a single vertical engraved line and upper and lower large triangular elements filled with closely-spaced hatched lines.

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Spiro Engraved



**Figure 85. Spiro Engraved bottle, Vessel 1360.**

PROVENIENCE: Md. B, Pit 4

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1361; 5425.2226. Vessels 1361 and 1362 were associated funerary offerings in Pit 4.

NON-PLASTICS AND PASTE: fine grog

VESSEL FORM: Jar

RIM AND LIP FORM: everted rim and a rounded lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: very dark grayish-brown

EXTERIOR SURFACE COLOR: very dark grayish-brown

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 5.8 mm

INTERIOR SURFACE TREATMENT: smoothed on the rim

EXTERIOR SURFACE TREATMENT: burnished

HEIGHT (IN CM): 12.5

ORIFICE DIAMETER (IN CM): 13.0

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 11.0

BASE DIAMETER (IN CM): 6.3; flat and circular base

ESTIMATED VOLUME (IN LITERS): 0.97

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The rim has four widely-spaced horizontal engraved lines. There are also three widely-spaced horizontal engraved lines midway down the vessel body, and they are part of the body motif (Figure 86). On the bottom is a scroll and circle motif repeated four times around the vessel. The central element is a large cross-hatched circle. Upper and lower scroll fill zones are triangular-shaped elements filled with hatched engraved lines.

PIGMENT USE AND LOCATION ON VESSEL: red, on engraved body elements

TYPE [IF KNOWN]: Hickory-Holly Fine Engraved hybrid



**Figure 86. Hickory Engraved-Holly Fine Engraved hybrid jar, Vessel 1361.**

PROVENIENCE: Md. B, Pit 4

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1362; 5425.2229

NON-PLASTICS AND PASTE: fine grog

VESSEL FORM: Seed jar with two opposed suspension holes (6.0 mm in diameter) (Figure 87)

RIM AND LIP FORM: inverted rim and a rounded lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: dark grayish-brown

EXTERIOR SURFACE COLOR: dark grayish-brown  
with fire clouding on the body

WALL THICKNESS (RIM, BODY, AND BASE IN  
MM): rim, 5.1 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: burnished

HEIGHT (IN CM): 10.5

ORIFICE DIAMETER (IN CM): 2.5

DIAMETER AT BOTTOM OF RIM OR NECK (IN  
CM): N/A

BASE DIAMETER (IN CM): 5.9; flat and circular base

ESTIMATED VOLUME (IN LITERS): 0.36

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): Plain

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Seed Jar



**Figure 87. Seed Jar, Vessel 1362.**

PROVENIENCE: Md. B, Pit 5

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1363; 5425-2223. Vessels 1363 to Vessels 1374 were found associated in Pit 5.

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Beaker with two opposed suspension holes (Figure 88)

RIM AND LIP FORM: direct rim and a flat lip

CORE COLOR: A (fired and cooled in an oxidizing environment)

INTERIOR SURFACE COLOR: yellowish-brown

EXTERIOR SURFACE COLOR: yellowish-brown

WALL THICKNESS (RIM, BODY, AND BASE IN MM):  
rim, 3.7 mm

INTERIOR SURFACE TREATMENT: smoothed on the upper rim

EXTERIOR SURFACE TREATMENT: burnished

HEIGHT (IN CM): 12.0

ORIFICE DIAMETER (IN CM): 7.1

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): N/A

BASE DIAMETER (IN CM): 9.7; flat and circular base

ESTIMATED VOLUME (IN LITERS): 0.68

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The upper and lower parts of the beaker have three equally-spaced horizontal engraved lines. Between these lines are two panels divided by vertical and horizontal engraved lines (Figure 88). Each panel has two stacked concentric circles and semi-circles, with the innermost circle marked by an excised area; one of the other outer circles has also been formed by excising.

To either side of the stacked concentric circles and semi-circles on both panels are excised brackets (Figure 88). One of the stacked panels has a set of horizontal and vertical engraved lines that run between the top and bottom of one set of excised brackets. On the other stacked panel, the concentric circles and semi-circles on both tiers are adjacent to a sloping series of diagonal and vertical engraved lines, as well as a second smaller set of concentric semi-circles; this is also marked by a central excised circle. This particular panel has an excised square and semi-circles instead of one of the vertical excised brackets.

PIGMENT USE AND LOCATION ON VESSEL: red pigment in engraved lines

TYPE [IF KNOWN]: Holly Fine Engraved



**Figure 88. Holly Fine Engraved beaker, Vessel 1363.**

PROVENIENCE: Md. B, Pit 5

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1364; 5425.2221

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Jar

RIM AND LIP FORM: everted rim and rounded lip

CORE COLOR: A (fired and cooled in an oxidizing environment)

INTERIOR SURFACE COLOR: yellowish-brown

EXTERIOR SURFACE COLOR: yellowish-brown

WALL THICKNESS (RIM, BODY, AND BASE IN MM):  
rim, 5.6 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: none

HEIGHT (IN CM): 21.5

ORIFICE DIAMETER (IN CM): 17.7

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM):  
12.4

BASE DIAMETER (IN CM): 7.1; flat and circular base

ESTIMATED VOLUME (IN LITERS): 3.4

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The rim has three rows of tool punctations, with the space between them filled with closely-spaced horizontal incised lines. The top of the vessel body has six closely-spaced horizontal incised lines; the bottom of the body has a single horizontal row of applied nodes immediately above the base (Figure 89).

The remainder of the body has four diagonal panels delimited by 5-6 incised lines. These are filled with incised and applied elements (Figure 89). In two of the panels, there are incised concentric semi-circles filled with applied nodes, and the two opposed semi-circles are bisected by the afore-mentioned set of diagonal incised lines. The space in between the concentric circles is filled with bracket-shaped zones of applied nodes. The other two panels have alternating concentric semi-circles and circles, each filled with applied nodes. The intervening areas between the incised concentric circles and semi-circles are filled with applied nodes, creating connected noded brackets.

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Haley Complicated Incised



**Figure 89. Haley Complicated Incised jar, Vessel 1364.**



PROVENIENCE: Md. B, Pit 5

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1365; 5425.2219

NON-PLASTICS AND PASTE: bone and grog

VESSEL FORM: Jar

RIM AND LIP FORM: everted rim and rounded lip

CORE COLOR: F (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: reddish-brown

EXTERIOR SURFACE COLOR: dark yellowish-brown

WALL THICKNESS (RIM, BODY, AND BASE IN MM):  
rim, 6.3 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: none

HEIGHT (IN CM): 21.1

ORIFICE DIAMETER (IN CM): 17.5

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 12.2

BASE DIAMETER (IN CM): 7.5; flat and circular base

ESTIMATED VOLUME (IN LITERS): 3.3

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The rim has three rows of large tool punctations: under the lip, midway down the rim, and at the rim-body juncture. The area between the punctated rows is filled with incised lines; the middle punctated row is enclosed between two horizontal incised lines (Figure 90).

The top of the vessel body has seven horizontal incised lines, and below this there are three panels defined by sets of six vertical incised lines that extend to just above the vessel base; there is a single row of tool punctations at the base of the panels (Figure 90). Within each panel is a central element of incised concentric circles; the central and smallest circle is filled with pinching. The four corners of the panel have either sets of diagonal or curvilinear incised lines with an enclosed area filled with large tool punctations. The area between the central pinched circle and the corner elements is filled with randomly placed large tool punctations and a set of four near vertical incised lines that are connected with the central pinched circle and the basal row of tool punctations.

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Haley Complicated Incised



**Figure 90. Haley Complicated Incised jar, Vessel 1365.**

PROVENIENCE: Md. B, Pit 5

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1366; 5425.2210

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Bottle with a straight neck

RIM AND LIP FORM: direct rim and a flat lip

CORE COLOR: F (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: yellowish-brown

EXTERIOR SURFACE COLOR: yellowish-brown; fire clouding on the rim and body

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 6.0 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: burnished

HEIGHT (IN CM): 18.0

ORIFICE DIAMETER (IN CM): 3.4

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 4.6; maximum body width is 10.6 cm

BASE DIAMETER (IN CM): 5.9; flat and circular base

ESTIMATED VOLUME (IN LITERS): 0.42

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): There are four horizontal engraved lines at the top of the bottle neck, and five horizontal engraved lines at the top of vessel body (Figure 91).

PIGMENT USE AND LOCATION ON VESSEL: white pigment in the engraved lines on the vessel body

TYPE [IF KNOWN]: Hickory Engraved



**Figure 91. Hickory Engraved bottle, Vessel 1366.**

PROVENIENCE: Md. B, Pit 5

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1367; 5425.2233

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Bottle with a long tapered neck

RIM AND LIP FORM: direct rim and a rounded lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: black

EXTERIOR SURFACE COLOR: black; fire clouding on the body and bottle neck

WALL THICKNESS (RIM, BODY, AND BASE IN MM): neck, 6.2 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: burnished

HEIGHT (IN CM): 28.5

ORIFICE DIAMETER (IN CM): 4.3

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 8.3; maximum body width is 15.1 cm

BASE DIAMETER (IN CM): 7.0; flat and circular base

ESTIMATED VOLUME (IN LITERS): 0.8

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The vessel has four finely-drawn and equally-spaced horizontal engraved lines at the top of the body (Figure 92).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Hickory Engraved



**Figure 92. Hickory Engraved bottle, Vessel 1367.**

PROVENIENCE: Md. B, Pit 5

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1368; 5425.2230

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Bottle with a long and tapered neck

RIM AND LIP FORM: direct rim and a flat lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: dark grayish-brown

EXTERIOR SURFACE COLOR: dark grayish-brown to black; fire clouding at the lip

WALL THICKNESS (RIM, BODY, AND BASE IN MM): neck, 7.2 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: burnished

HEIGHT (IN CM): 27.5

ORIFICE DIAMETER (IN CM): 4.3

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 7.0; maximum body width is 16.9 cm

BASE DIAMETER (IN CM): 10.3; circular and rounded base

ESTIMATED VOLUME (IN LITERS): 1.1

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): There are four equally-spaced horizontal engraved lines at the top of the vessel body (Figure 93).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Hickory Engraved



**Figure 93. Hickory Engraved bottle, Vessel 1368.**

PROVENIENCE: Md. B, Pit 5

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1369; 5425.2209

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Bottle with a tapered neck

RIM AND LIP FORM: direct rim and a flat lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: black

EXTERIOR SURFACE COLOR: black; fire clouding

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 5.1 mm

INTERIOR SURFACE TREATMENT: smoothed on the upper neck

EXTERIOR SURFACE TREATMENT: burnished

HEIGHT (IN CM): 23.2

ORIFICE DIAMETER (IN CM): 4.0

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 6.1; maximum body width of 13.3 cm

BASE DIAMETER (IN CM): 8.0; flat and circular base

ESTIMATED VOLUME (IN LITERS): 0.74

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): This vessel has three equally-spaced horizontal engraved lines at the top of the vessel body (Figure 94).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Hickory Engraved



**Figure 94. Hickory Engraved bottle, Vessel 1369.**

PROVENIENCE: Md. B, Pit 5

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1370; 5425.2225

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Bowl

RIM AND LIP FORM: direct rim and a flat lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: very dark grayish-brown

EXTERIOR SURFACE COLOR: very dark grayish-brown

WALL THICKNESS (RIM, BODY, AND BASE IN MM):  
rim, 6.0 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: burnished

HEIGHT (IN CM): 10.6

ORIFICE DIAMETER (IN CM): 11.8

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM):  
N/A

BASE DIAMETER (IN CM): 7.0; circular and rounded base

ESTIMATED VOLUME (IN LITERS): 0.5

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The vessel has four horizontal engraved lines below the lip, an intermediate panel area, and three more horizontal engraved lines near a subtle inflection point on the lower body (Figure 95). The intermediate panel area has six repeated sets of diagonal engraved lines (with six engraved lines within each set). Two of these sets have pendant concentric semi-circles, while the other four sets simply consist of the diagonal engraved lines, divided from each other by a single diagonal engraved line.

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Unidentified fine ware



**Figure 95. Unidentified engraved bowl, Vessel 1370.**

PROVENIENCE: Md. B, Pit 5

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1371; 5425.2227

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Bottle with four body peaks and a long tapered neck (Figure 96)

RIM AND LIP FORM: direct rim and a flat lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: dark grayish-brown

EXTERIOR SURFACE COLOR: dark grayish-brown; fire clouding on the body and neck

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 3.8 mm

INTERIOR SURFACE TREATMENT: smoothed on the upper neck

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 27.4

ORIFICE DIAMETER (IN CM): 5.0

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 6.5; maximum body width is 15.0 cm

BASE DIAMETER (IN CM): 7.8; flat and circular base

ESTIMATED VOLUME (IN LITERS): 0.85

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The vessel has three horizontal engraved lines just below the lip, four more horizontal engraved lines at the top of the vessel body, and three horizontal lines just above the vessel base. The remainder of the vessel body has four repeated sets of concentric circles set over each of the four body peaks (Figure 96). The concentric circles are the central element in a series of slanting scrolls. Upper and lower scroll zones are filled with curvilinear engraved lines. Some of the engraved lines in the central circle element and the scroll fill zones are more pronounced (i.e., wider and deeper lines) than the other engraved lines in the motif.

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Spiro Engraved



**Figure 96. Spiro Engraved bottle, Vessel 1371.**

PROVENIENCE: Md. B, Pit 5

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1372; 5425.2202

NON-PLASTICS AND PASTE: fine grog

VESSEL FORM: Carinated bowl

RIM AND LIP FORM: inverted rim and a rounded lip

CORE COLOR: H (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: dark yellowish-brown; fire clouding on base and body

EXTERIOR SURFACE COLOR: black

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 5.4 mm

INTERIOR SURFACE TREATMENT: burnished on the rim

EXTERIOR SURFACE TREATMENT:  
burnished

HEIGHT (IN CM): 6.0

ORIFICE DIAMETER (IN CM): 15.7

DIAMETER AT BOTTOM OF RIM OR NECK  
(IN CM): 16.7

BASE DIAMETER (IN CM): 13.9; circular and  
rounded base

ESTIMATED VOLUME (IN LITERS): 0.57



**Figure 97. Hempstead Engraved carinated bowl, Vessel 1372.**

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The engraved rim panel is defined by upper and lower horizontal engraved lines. Within the panel are 16 series of upper and lower cross-hatched engraved pendant triangles (Figure 97).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Hempstead Engraved



PROVENIENCE: Md. B, Pit 5

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1373; 5425.2267

NON-PLASTICS AND PASTE: no apparent temper

VESSEL FORM: Shallow or flat bowl with small mouth and two opposed suspension holes on the top of the bowl (Figure 98a-b)

RIM AND LIP FORM: direct rim and rounded lip

CORE COLOR: G (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: dark grayish-brown

EXTERIOR SURFACE COLOR: yellowish-brown; fire clouding

WALL THICKNESS (RIM, BODY, AND BASE IN MM):  
rim, 7.2 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: burnished

HEIGHT (IN CM): 6.4

ORIFICE DIAMETER (IN CM): 6.7

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 8.1

BASE DIAMETER (IN CM): 8.1; flat and circular base

ESTIMATED VOLUME (IN LITERS): 0.17

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The flattened top of the bowl has a

continuous scroll and circle motif, with eight circles with excised central dots, in the central part of the vessel rim (Figure 98b). Around the bowl opening are 4-5 closely-spaced horizontal engraved lines, with eight excised pendant triangles. The outer edge of the bowl also has eight excised triangle elements, whose apexes nearly touch the adjacent continuous scroll line.

The flattened edge of the bowl rim has a single horizontal engraved line with a series of short diagonal and vertical lines pendant from that line. The base of the bowl has five horizontal engraved lines encircling the vessel (Figure 98a).

PIGMENT USE AND LOCATION ON VESSEL: white pigment in engraved lines

TYPE [IF KNOWN]: Holly Fine Engraved (Suhm and Jelks 1962:Plate 40d)



**Figure 98. Holly Fine Engraved shallow bowl: a, side view; b, top down view.**

PROVENIENCE: Md. B, Pit 5

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1374; 5425.2235

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Bowl

RIM AND LIP FORM: direct rim and rounded lip

CORE COLOR: G (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: very dark grayish-brown

EXTERIOR SURFACE COLOR: yellowish-brown; fire clouding

WALL THICKNESS (RIM, BODY, AND BASE IN MM):  
rim, 6.9 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: burnished

HEIGHT (IN CM): 11.5

ORIFICE DIAMETER (IN CM): 13.5

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): N/A

BASE DIAMETER (IN CM): 10.5; circular and rounded base

ESTIMATED VOLUME (IN LITERS): 0.62

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): There are two horizontal incised lines on the rim, above a panel area that has a incised-punctated motif that is repeated four times around the vessel. The motif is an incised scroll with attached or unattached central circles; these are filled with large cane punctations (Figure 99). The upper and lower triangular scroll fill zones also have cane punctations within them.

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Crockett Curvilinear Incised



**Figure 99. Crockett Curvilinear Incised bowl, Vessel 1374.**

PROVENIENCE: Md. B, upper burial No. 2

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1378; 5425.2213. This was the only vessel in upper burial No. 2

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Bottle with a globular body and a tapered neck

RIM AND LIP FORM: N/A

CORE COLOR: G (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: dark grayish-brown

EXTERIOR SURFACE COLOR: dark yellowish-brown; fire clouding on the vessel body

WALL THICKNESS (RIM, BODY, AND BASE IN MM): neck, 6.3 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 20.7

ORIFICE DIAMETER (IN CM): 4.4

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 5.7; maximum body width is 13.2 cm

BASE DIAMETER (IN CM): 6.7; flat and circular base

ESTIMATED VOLUME (IN LITERS): 0.55

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): There are four equally-spaced horizontal engraved lines encircling the top of the vessel body (Figure 100).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Hickory Engraved



**Figure 100. Hickory Engraved bottle, Vessel 1378.**

PROVENIENCE: Md. B, Pit 7

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1379; 5425.2220. Vessels 1379 to 1391 were associated funerary offerings in Pit 7.

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Bottle with tapered neck and carinated body (Figure 101)

RIM AND LIP FORM: direct rim and rounded lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: black

EXTERIOR SURFACE COLOR: black

WALL THICKNESS (RIM, BODY, AND BASE IN MM):  
rim, 5.6 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: burnished

HEIGHT (IN CM): 21.6

ORIFICE DIAMETER (IN CM): 2.5

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM):  
6.2; maximum body width is 14.3 cm

BASE DIAMETER (IN CM): 8.0; flat and circular base

ESTIMATED VOLUME (IN LITERS): 0.69



**Figure 101. Holly Fine Engraved bottle, Vessel 1379.**

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The bottle neck has four equally-spaced horizontal engraved lines below the lip. The four panels on the vessel body are delimited by four horizontal engraved lines at the top of the body, and seven horizontal engraved lines below the carination that extend to just above the vessel base (Figure 101).

Each of the body panels is composed of a series of engraved concentric circles, the smallest of which is marked by an excised circle at the center of the set of circles (Figure 101). There are also opposed engraved concentric semi-circles that intersect with the concentric circle elements, as well as excised triangles and semi-circles associated with the concentric semi-circles. There are also sets of three diagonal engraved lines across the body that serve as panel dividers.

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Holly Fine Engraved

PROVENIENCE: Md. B, Pit 7

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1380; 5425.2215

NON-PLASTICS AND PASTE: fine grog

VESSEL FORM: Bottle with a tapered neck

RIM AND LIP FORM: direct rim and a flat lip

CORE COLOR: N/A

INTERIOR SURFACE COLOR: red

EXTERIOR SURFACE COLOR: red; fire clouding on the body

WALL THICKNESS (RIM, BODY, AND BASE IN MM): neck, 4.4 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: burnished

HEIGHT (IN CM): 17.6

ORIFICE DIAMETER (IN CM): 3.3

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 6.2; maximum body width is 14.3 cm

BASE DIAMETER (IN CM): 8.0; circular and rounded base

ESTIMATED VOLUME (IN LITERS): 0.56

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): Red-slipped on the exterior vessel surface (Figure 102).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Unidentified red-slipped fine ware bottle, possibly Sanders Plain



**Figure 102. Red-slipped bottle, Vessel 1380.**

PROVENIENCE: Md. B, Pit 7

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1381; 5425.2211

NON-PLASTICS AND PASTE: grog and bone

VESSEL FORM: Bottle with a tapered neck

RIM AND LIP FORM: direct rim and a rounded lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: black

EXTERIOR SURFACE COLOR: black; fire clouding on the body

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 6.7 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: burnished

HEIGHT (IN CM): 24.5

ORIFICE DIAMETER (IN CM): 4.0

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 6.5; maximum body width is 12.3 cm

BASE DIAMETER (IN CM): 7.0; flat and circular base

ESTIMATED VOLUME (IN LITERS): 0.69

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): This vessel has four equally-spaced horizontal engraved lines at the top of the body (Figure 103).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Hickory Engraved



**Figure 103. Hickory Engraved bottle, Vessel 1381.**

PROVENIENCE: Md. B, Pit 7

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1381 1/2; 5425.2211

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Bottle with a carinated body and a long, tapered neck (Figure 104)

RIM AND LIP FORM: direct rim and a rounded lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: dark grayish-brown

EXTERIOR SURFACE COLOR: black; fire clouding

WALL THICKNESS (RIM, BODY, AND BASE IN MM):  
rim, 5.6 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: burnished

HEIGHT (IN CM): 19.4

ORIFICE DIAMETER (IN CM): 3.9

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 5.1; maximum body width is 11.4 cm

BASE DIAMETER (IN CM): 7.3; flat and circular base

ESTIMATED VOLUME (IN LITERS): 0.57

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The vessel has five equally-spaced horizontal engraved lines at the top of the bottle body (Figure 104).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Hickory Engraved

PROVENIENCE: Md. B, Pit 7



**Figure 104. Hickory Engraved bottle, Vessel 1381 1/2.**

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1382; 5425.2224

NON-PLASTICS AND PASTE: fine grog

VESSEL FORM: Bottle with a long and tapered neck

RIM AND LIP FORM: direct rim and a flat lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: black

EXTERIOR SURFACE COLOR: black

WALL THICKNESS (RIM, BODY, AND BASE IN MM):  
rim, 5.4 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: burnished

HEIGHT (IN CM): 25.8

ORIFICE DIAMETER (IN CM): 4.3

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM):  
6.2

BASE DIAMETER (IN CM): 7.0; flat and circular base

ESTIMATED VOLUME (IN LITERS): 0.72

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): There are four equally-spaced horizontal engraved lines at the top of the vessel body (Figure 105).

PIGMENT USE AND LOCATION ON VESSEL: red pigment in the engraved lines

TYPE [IF KNOWN]: Hickory Engraved



**Figure 105. Hickory Engraved bottle, Vessel 1382.**



PROVENIENCE: Md. B, Pit 7

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1382 1/2; 5425.2214

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Bottle with a long tapered neck

RIM AND LIP FORM: direct rim and flat lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: dark grayish-brown

EXTERIOR SURFACE COLOR: dark grayish-brown; fire clouding on the body

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 4.5 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: burnished

HEIGHT (IN CM): 23.8

ORIFICE DIAMETER (IN CM): 4.0

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 6.1; maximum body width is 13.0 cm

BASE DIAMETER (IN CM): 9.5; flat and circular base

ESTIMATED VOLUME (IN LITERS): 0.9

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The vessel neck has three equally-spaced horizontal engraved lines below the lip. The vessel body has four horizontal engraved lines at the top of the vessel body. The lowermost horizontal engraved line has 11 cross-hatched pendant triangles (Figure 106).

PIGMENT USE AND LOCATION ON VESSEL: red pigment in engraved lines

TYPE [IF KNOWN]: Hickory Engraved, *var. East*



**Figure 106. Hickory Engraved, *var. East* bottle, Vessel 1382 1/2.**

PROVENIENCE: Md. B, Pit 7

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1383; 5425.2339

NON-PLASTICS AND PASTE: fine grog

VESSEL FORM: Bottle with a globular body and a long tapered neck (Figure 107)

RIM AND LIP FORM: direct rim and a flat lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: black

EXTERIOR SURFACE COLOR: black

WALL THICKNESS (RIM, BODY, AND BASE IN MM): neck, 5.5 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: burnished

HEIGHT (IN CM): 34.0

ORIFICE DIAMETER (IN CM): 4.5

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 6.6; maximum body width is 20.9 cm

BASE DIAMETER (IN CM): 8.0; flat and circular base

ESTIMATED VOLUME (IN LITERS): 1.1

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The vessel has four faint but equally-spaced horizontal engraved lines at the top of the body of the bottle (Figure 107).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Hickory Engraved



**Figure 107. Hickory Engraved bottle, Vessel 1383.**

PROVENIENCE: Md. B, Pit 7

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1385; 5425.2315

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Deep effigy bowl; bear effigies (Figure 108a-c)

RIM AND LIP FORM: direct rim and a flat lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: dark grayish-brown

EXTERIOR SURFACE COLOR: black; fire clouding on the rim and body

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 10.6 mm

INTERIOR SURFACE TREATMENT: smoothed



**Figure 108. Holly Fine Engraved bear effigy bowl, Vessel 1385: a, side view; b, excised scroll on vessel lip; c, close-up of one of the bear head effigies.**

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 6.4

ORIFICE DIAMETER (IN CM): 13.5

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 14.2

BASE DIAMETER (IN CM): 14.2; circular and rounded base

ESTIMATED VOLUME (IN LITERS): 0.69

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): This vessel has a unique series of decorations, along with three bear effigy heads. The principal decoration on the rim are five repeating panels of closely-spaced vertical and diagonal engraved lines, with upper and lower excised triangles between them (Figure 108a). The bottom line of the panel is incised rather than engraved. Atop the lip is a continuous negative scroll formed by excising a repeating series of 18 triangular areas into the original lip surface and around the bear effigy heads (Figure 108b).

The three bear head effigies face inward into the vessel, and towards each other. The bears have excised circular eyes, prominent noses or snouts, and two raised ears (Figure 108c). Each are 3.5 cm in length, 3.2 cm in width, and 2.6 cm thick.

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Holly Fine Engraved (see Suhm and Jelks 1962:Plate 40c)

PROVENIENCE: Md. B, Pit 7

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1386; 5425.2323

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Jar

RIM AND LIP FORM: everted rim and a rounded lip

CORE COLOR: G (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: dark grayish-brown

EXTERIOR SURFACE COLOR: light grayish-brown

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 5.9 mm

INTERIOR SURFACE TREATMENT: smoothed on the rim

EXTERIOR SURFACE TREATMENT: none

HEIGHT (IN CM): 13.7

ORIFICE DIAMETER (IN CM): 12.7

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 10.1

BASE DIAMETER (IN CM): 8.3; circular and rounded base

ESTIMATED VOLUME (IN LITERS): 1.0

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): There are four rows of vertical linear punctates on the vessel rim. The vessel body has three sets of alternating zones with either horizontal or vertically-oriented linear punctations; these zones cover the entire vessel body (Figure 109).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Unidentified utility ware



**Figure 109. Punctated jar, Vessel 1386.**

PROVENIENCE: Md. B, Pit 7

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1388; 5425.2314

NON-PLASTICS AND PASTE: grog and hematite

VESSEL FORM: Bowl

RIM AND LIP FORM: direct rim and a flat lip

CORE COLOR: G (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: dark grayish-brown

EXTERIOR SURFACE COLOR: dark yellowish-brown

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 5.6 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: burnished

HEIGHT (IN CM): 9.7

ORIFICE DIAMETER (IN CM): 14.9

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): N/A

BASE DIAMETER (IN CM): 16.4; circular and rounded base

ESTIMATED VOLUME (IN LITERS): 0.58

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): There are three equally-spaced horizontal engraved lines on the rim, above a panel with a scroll and circle motif that is repeated four times around the vessel (Figure 110). The central element is a large cross-hatched circle, and there are upper and lower triangular-shaped scroll fill zones with cross-hatched engraved lines.

PIGMENT USE AND LOCATION ON VESSEL: red pigment in the engraved lines

TYPE [IF KNOWN]: cf. Crockett Curvilinear Incised, except engraved



**Figure 110. Engraved variant of Crockett Curvilinear Incised bowl, Vessel 1388.**

PROVENIENCE: Md. B, Pit 7

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1389; 5425.2320

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Bowl

RIM AND LIP FORM: direct rim and a rounded lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: very dark grayish-brown

EXTERIOR SURFACE COLOR: very dark grayish-brown

WALL THICKNESS (RIM, BODY, AND BASE IN MM):  
rim, 4.3 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: burnished

HEIGHT (IN CM): 11.2

ORIFICE DIAMETER (IN CM): 14.4

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 14.5

BASE DIAMETER (IN CM): 14.5; circular and rounded base

ESTIMATED VOLUME (IN LITERS): 0.65

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): There are two equally-spaced incised lines at the top and bottom of the vessel. The area in between is filled with an incised-punctated motif that is repeated three times around the vessel (Figure 111). The motif consists of slanting incised lines and zones in a scroll, the latter zones filled with triangular tool punctations. Above and below each slanting incised-punctated zone are hatched incised triangles (upper and lower scroll fill zones).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Pennington Punctated-Incised



**Figure 111. Pennington Punctated-Incised bowl, Vessel 1389.**

PROVENIENCE: Md. B, Pit 7

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1390; 5425.2316

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Carinated bowl

RIM AND LIP FORM: direct rim and a rounded lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: black; fire clouding

EXTERIOR SURFACE COLOR: black; fire-clouding

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 6.2 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: burnished

HEIGHT (IN CM): 8.5

ORIFICE DIAMETER (IN CM): 20.3

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 18.3

BASE DIAMETER (IN CM): 6.5; circular and rounded base

ESTIMATED VOLUME (IN LITERS): 1.0

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The rim has eight engraved panels defined by a set (n=14 lines) of vertical engraved lines, an opposed set (n=11 lines) of diagonal engraved lines, and an excised triangle above and below the intersection of the vertical and diagonal engraved lines (Figure 112).

PIGMENT USE AND LOCATION ON VESSEL: red pigment in the excised triangles

TYPE [IF KNOWN]: Holly Fine Engraved



**Figure 112. Holly Fine Engraved carinated bowl, Vessel 1390.**



PROVENIENCE: Md. B, Pit 7

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1391; 5425.2309

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Bowl

RIM AND LIP FORM: direct rim and rounded lip

CORE COLOR: G (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: dark grayish-brown

EXTERIOR SURFACE COLOR: dark yellowish-brown; fire clouding on the body and base

WALL THICKNESS (RIM, BODY, AND BASE IN MM):  
rim, 5.1 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 8.5

ORIFICE DIAMETER (IN CM): 12.3

DIAMETER AT BOTTOM OF RIM OR NECK  
(IN CM): 13.0

BASE DIAMETER (IN CM): 13.0; circular and rounded base

ESTIMATED VOLUME (IN LITERS): 0.42

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The rim has three equally-spaced horizontal incised lines; there is also a single horizontal incised line near the vessel base. The vessel decorative panel consists of an incised-punctated motif that is repeated three times around the vessel. The motif consists of slanting incised lines and zones in a scroll, the latter zones filled with circular cane punctations (Figure 113). Above and below each slanting incised-punctated zone are sets of three incised triangles (upper and lower scroll fill zones) filled with cane punctations.

PIGMENT USE AND LOCATION ON VESSEL: white pigment in the incised lines

TYPE [IF KNOWN]: Pennington Punctated-Incised



**Figure 113. Pennington Punctated-Incised bowl, Vessel 1391.**

PROVENIENCE: Md. B, Pit 8

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1392; 5425.2321. Vessels 1392-1399 and Vessels 1475-1478 were associated funerary vessels in Pit 8.

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Bowl

RIM AND LIP FORM: direct rim and a flat lip

CORE COLOR: G (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: black

EXTERIOR SURFACE COLOR: yellowish-brown; fire clouding

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 2.2 mm; body, 7.5 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: burnished

HEIGHT (IN CM): 13.6

ORIFICE DIAMETER (IN CM): 15.6

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM):  
N/A

BASE DIAMETER (IN CM): N/A

ESTIMATED VOLUME (IN LITERS): 0.85

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): There are three smoothed over and equally-spaced horizontal incised lines on the vessel rim. Below these lines is an incised continuous scroll motif and accompanying diagonal opposed lines, with two upper and lower triangular fill zones with very closely-spaced horizontal incised lines within them (Figure 114).

PIGMENT USE AND LOCATION ON VESSEL: red pigment in the incised lines.

TYPE [IF KNOWN]: Unidentified incised vessel



**Figure 114. Incised bowl, Vessel 1392.**

PROVENIENCE: Md. B, Pit 8

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1393; 5425.2452

NON-PLASTICS AND PASTE: grog and hematite

VESSEL FORM: Jar

RIM AND LIP FORM: everted rim and rounded lip

CORE COLOR: A (fired and cooled in an oxidizing environment)

INTERIOR SURFACE COLOR: yellowish-brown

EXTERIOR SURFACE COLOR: yellowish-brown

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 6.7 mm; body, 5.6 mm; base, 7.0 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: none

HEIGHT (IN CM): N/A

ORIFICE DIAMETER (IN CM): N/A

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): N/A

BASE DIAMETER (IN CM): 7.0; flat and circular base

ESTIMATED VOLUME (IN LITERS): N/A

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): There are three rows of linear tool punctations on the rim of the vessel.

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: unidentified punctated utility ware

PROVENIENCE: Md. B, Pit 8

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1394; 5425.2326

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Bottle with a globular body and a long tapered neck

RIM AND LIP FORM: direct rim and a flat lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: dark grayish-brown

EXTERIOR SURFACE COLOR: dark grayish-brown; fire clouding on the vessel body and neck

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 4.5 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 25.5

ORIFICE DIAMETER (IN CM): 3.8

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 5.8; maximum body width is 14.5 cm

BASE DIAMETER (IN CM): 7.0; flat and circular base

ESTIMATED VOLUME (IN LITERS): 0.71

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The vessel has three horizontal engraved lines below the lip on the vessel neck. The vessel body has seven closely-spaced horizontal engraved lines below the neck-body juncture. The lowermost of the seven engraved lines is more pronounced (i.e., wider and deeper line) (Figure 115).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Hickory Engraved



**Figure 115. Hickory Engraved bottle, Vessel 1394.**

PROVENIENCE: Md. B, Pit 8

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1395; 5425.2324

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Bottle with a globular body and a tapered neck

RIM AND LIP FORM: direct rim and flat lip

CORE COLOR: F (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: dark yellowish-brown

EXTERIOR SURFACE COLOR: dark yellowish-brown;  
fire clouding on the vessel body and neck

WALL THICKNESS (RIM, BODY, AND BASE IN  
MM): rim, 5.6 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: burnished

HEIGHT (IN CM): 25.9

ORIFICE DIAMETER (IN CM): 4.5

DIAMETER AT BOTTOM OF RIM OR NECK (IN  
CM): 6.3; maximum body width is 16.4 cm

BASE DIAMETER (IN CM): 8.5; flat and circular base

ESTIMATED VOLUME (IN LITERS): 0.88

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): There are four equally-spaced horizontal engraved lines on the upper body of the vessel (Figure 116).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Hickory Engraved



**Figure 116. Hickory Engraved bottle, Vessel 1395.**

PROVENIENCE: Md. B, Pit 8

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1396; 5425.2329

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Bottle with a globular body and a tapered neck

RIM AND LIP FORM: direct rim and flat lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: very dark grayish-brown

EXTERIOR SURFACE COLOR: very dark grayish-brown

WALL THICKNESS (RIM, BODY, AND BASE IN MM):  
rim, 5.2 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 29.0

ORIFICE DIAMETER (IN CM): 3.5

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM):  
7.5; maximum body width is 18.2 cm.

BASE DIAMETER (IN CM): 8.0; flat and circular base

ESTIMATED VOLUME (IN LITERS): 0.93

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): There are five equally-spaced horizontal engraved lines at the top of the vessel body (Figure 117).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Hickory Engraved



**Figure 117. Hickory Engraved bottle, Vessel 1396.**

PROVENIENCE: Md. B, Pit 8

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1397; 5425.2328

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Bottle with a globular body and a tapered neck

RIM AND LIP FORM: direct rim and a flat lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: dark grayish-brown

EXTERIOR SURFACE COLOR: dark grayish-brown

WALL THICKNESS (RIM, BODY, AND BASE IN MM):  
rim, 6.7 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: burnished

HEIGHT (IN CM): 26.8

ORIFICE DIAMETER (IN CM): 4.3

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM):  
6.6; maximum body width is 17.4 cm

BASE DIAMETER (IN CM): 10.0; circular and rounded base

ESTIMATED VOLUME (IN LITERS): 1.1

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): There are five equally-spaced horizontal engraved lines at the top of the bottle neck. The vessel body has four equally-spaced horizontal engraved lines at the top of the body, and three horizontal engraved lines near the vessel base. The body panel between has four sets of engraved concentric circles radiating out from a small central cross-hatched circle (Figure 118). On all four sides of each set of concentric circles are large triangular hatched zones that serve as upper and lower fill zones for slanting scroll lines that connect the concentric circle elements.

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Holly Fine Engraved



**Figure 118. Holly Fine Engraved bottle, Vessel 1397.**

PROVENIENCE: Md. B, Pit 8

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1398; 5425.2327

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Bottle with a tapered neck

RIM AND LIP FORM: direct rim and a rounded lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: black

EXTERIOR SURFACE COLOR: black

WALL THICKNESS (RIM, BODY, AND BASE IN MM):  
rim, 4.3 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: burnished

HEIGHT (IN CM): 28.2

ORIFICE DIAMETER (IN CM): 3.7

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM):  
6.1

BASE DIAMETER (IN CM): 7.0; flat and circular base

ESTIMATED VOLUME (IN LITERS): 0.79

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The vessel has seven horizontal engraved lines at the top of the bottle body. The lowest of the seven horizontal lines is more pronounced (i.e., wider and deeper) than the others (Figure 119).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Hickory Engraved



**Figure 119. Hickory Engraved bottle, Vessel 1398.**



PROVENIENCE: Md. B, Pit 8

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1399; 5425.2341

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Bottle with a globular body and a tapered neck

RIM AND LIP FORM: direct rim and flat lip

CORE COLOR: G (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: dark grayish-brown

EXTERIOR SURFACE COLOR: dark yellowish-brown; fire clouds on the body and neck

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 4.5 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: burnished

HEIGHT (IN CM): 28.2

ORIFICE DIAMETER (IN CM): 3.9

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 6.0; maximum body width is 16.8 cm

BASE DIAMETER (IN CM): 10.0; flat and circular base

ESTIMATED VOLUME (IN LITERS): 1.1

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The bottle neck has three equally-spaced horizontal engraved lines below the lip. The vessel also has seven horizontal engraved lines at the top of the bottle body. The lowest of the seven horizontal lines is more pronounced (i.e., wider and deeper) than the others (Figure 120).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Hickory Engraved



**Figure 120. Hickory Engraved bottle, Vessel 1399.**

PROVENIENCE: Md. B, Pit 8

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1475

NON-PLASTICS AND PASTE: grog and bone

VESSEL FORM: Bowl with two lip tabs (Figure 121a)

RIM AND LIP FORM: direct rim and a rounded lip

CORE COLOR: N/A

INTERIOR SURFACE COLOR: red

EXTERIOR SURFACE COLOR: red; fire clouding on the base

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 5.7 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 11.5

ORIFICE DIAMETER (IN CM): 24.3

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): N/A

BASE DIAMETER (IN CM): 12.5

ESTIMATED VOLUME (IN LITERS): 1.7

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The vessel has a red slip on both interior and exterior surfaces. The slip on the exterior was applied after four equally-spaced horizontal incised lines had been drawn on the vessel rim. The horizontal lines all dip down closer to the vessel base underneath the two lip tab tails (Figure 121b).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: East Incised



**Figure 121. East Incised bowl, Vessel 1475: a, side view; b, view of incised lines as they dip down under a tab tail.**

PROVENIENCE: Md. B, Pit 8

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1476; 5425.2251

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Deep bowl (Figure 122)

RIM AND LIP FORM: direct rim and a flat lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: dark grayish-brown

EXTERIOR SURFACE COLOR: dark grayish-brown

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 5.3 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 16.1

ORIFICE DIAMETER (IN CM): 19.2

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 19.9

BASE DIAMETER (IN CM): 19.9; circular and rounded

ESTIMATED VOLUME (IN LITERS): 2.5

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The decorated panel on the vessel is defined by upper and lower sets of three equally-spaced horizontal incised lines. The panel is an open or plain scroll that has four hooked arm elements comprised of a central incised circle filled with large impressed triangles and single incised lines that extend from upper and lower scroll fill zones and hook around but do not join the central incised circle (Figure 122). The upper and lower scroll fill zones have a series of closely-spaced curvilinear hatched lines. These scroll elements are divided by large incised triangles filled with impressed punctations; there is a single small hatched triangle underneath the larger incised triangles.

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: cf. Crockett Curvilinear Incised



**Figure 122. cf. Crockett Curvilinear Incised deep bowl, Vessel 1476.**

PROVENIENCE: Md. B, Pit 8

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1477; 5425.2209

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Carinated bowl

RIM AND LIP FORM: inverted rim and rounded lip

CORE COLOR: G (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: grayish-brown

EXTERIOR SURFACE COLOR: dark yellowish-brown

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 5.2 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: burnished

HEIGHT (IN CM): 8.1

ORIFICE DIAMETER (IN CM): 17.0

DIAMETER AT BOTTOM OF RIM OR NECK  
(IN CM): 18.5

BASE DIAMETER (IN CM): 18.5; circular and rounded

ESTIMATED VOLUME (IN LITERS): 0.83

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The top half of the rim has two horizontal engraved lines as decoration, while the bottom half has an engraved panel. This panel is filled with a repeating series of semi-circles (n=5), curvilinear to near vertical sets (n=9, with seven to 14 lines) of engraved lines, and vertical excised columns (n=4) (Figure 123). The central semi-circles are either excised (n=3), hatched (n=1), or plain (n=1).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Holly Fine Engraved



**Figure 123. Holly Fine Engraved carinated bowl, Vessel 1477.**

PROVENIENCE: Md. B, Pit 8

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1478; 5425.2257A

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Bowl with four rim peaks (Figure 124)

RIM AND LIP FORM: direct rim and a rounded lip

CORE COLOR: G (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: black

EXTERIOR SURFACE COLOR: dark yellowish-brown

WALL THICKNESS (RIM, BODY, AND BASE IN MM):  
rim, 6.2 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 15.5; 18.6 cm at the rim peaks

ORIFICE DIAMETER (IN CM): 30.3

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): N/A

BASE DIAMETER (IN CM): 14.0; circular and rounded base

ESTIMATED VOLUME (IN LITERS): 3.8

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The vessel has two broadly-spaced horizontal incised lines on the rim and near the base. The remainder of the vessel has a bold incised-punctated motif (Figure 124). This motif, repeated four times around the vessel, has a central incised circle filled with tool punctations. To one side of each circle is a curvilinear zone filled with cane punctations, as well as other upper and lower rectangular and curvilinear punctated-filled zones, while at the other side of the circle there is one roughly rectangular incised zone filled with punctations.

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Crockett Curvilinear Incised



**Figure 124. Crockett Curvilinear Incised bowl, Vessel 1478.**

PROVENIENCE: Md. B, Pit 10

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1406; 5425.2319. Vessels 1406-1416 were associated funerary vessels in Pit 10.

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Jar, with two opposed suspension holes (Figure 125)

RIM AND LIP FORM: direct rim and a rounded lip

CORE COLOR: F (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: yellowish-brown

EXTERIOR SURFACE COLOR: yellowish-brown; fire clouding on the base

WALL THICKNESS (RIM, BODY, AND BASE IN MM):  
rim, 3.7 mm

INTERIOR SURFACE TREATMENT: smoothed on the rim

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 12.6

ORIFICE DIAMETER (IN CM): 9.5

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 8.8

BASE DIAMETER (IN CM): 8.5; flat and circular base

ESTIMATED VOLUME (IN LITERS): 0.72

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The jar rim has nine equally-spaced horizontal incised lines. The vessel body has an incised scroll motif repeated three times, with a central incised circle attached to upper, lower, and opposed triangular-shaped scroll fill zones (Figure 125). Each of the central circles is filled with tool punctations.

PIGMENT USE AND LOCATION ON VESSEL: red pigment in one of the incised scroll fill zone triangles and white pigment in the central circle elements.

TYPE [IF KNOWN]: Crockett Curvilinear Incised, *var. Ozan*



**Figure 125. Crockett Curvilinear Incised, *var. Ozan* jar, Vessel 1406.**

PROVENIENCE: Md. B, Pit 10

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1407; 5425.2306

NON-PLASTICS AND PASTE: fine grog

VESSEL FORM: Carinated bowl

RIM AND LIP FORM: direct rim and a rounded lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: black

EXTERIOR SURFACE COLOR: black

WALL THICKNESS (RIM, BODY, AND BASE IN MM):  
rim, 5.7 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 6.0

ORIFICE DIAMETER (IN CM): 17.3

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 17.0

BASE DIAMETER (IN CM): 9.0; circular and rounded base

ESTIMATED VOLUME (IN LITERS): 0.62

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The rim has an incised-punctated motif repeated separately six times around the vessel, these being divided by three sets of upper and lower incised rectangles filled with triangular tool punctations. The incised-punctated motif consists of two upper and lower long incised rectangles connected in their center by a single incised square; the rectangles and squares are filled with triangular tool punctations (Figure 126). These punctate-filled incised rectangles and squares are mirrored by, and interlocked with, undecorated or negative areas shaped like rectangles and upper and lower squares.

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: cf. Pennington Punctated-Incised



**Figure 126. cf. Pennington Punctated-Incised carinated bowl, Vessel 1407.**

PROVENIENCE: Md. B, Pit 10

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1408; 5425.2311

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Carinated bowl

RIM AND LIP FORM: direct rim and a rounded lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: dark grayish-brown

EXTERIOR SURFACE COLOR: dark grayish-brown

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 5.4 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: burnished

HEIGHT (IN CM): 7.4

ORIFICE DIAMETER (IN CM): 13.5

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 13.4

BASE DIAMETER (IN CM): 6.8; flat and circular base

ESTIMATED VOLUME (IN LITERS): 0.60

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The rim panel has four sets of upper and lower engraved triangles; the apex of the triangle alternates from pointing towards the rim or towards the carination (Figure 127). Each of the triangles have excised corners as well as one engraved semi-circle; both sides of the semi-circles have excised areas, leaving a plain rectangular area in the center of the semi-circle.

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: unidentified fine ware



**Figure 127. Unidentified engraved carinated bowl, Vessel 1408.**



PROVENIENCE: Md. B, Pit 10

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1409; 5425.2333

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Jar

RIM AND LIP FORM: everted rim and flat lip

CORE COLOR: G (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: dark grayish-brown

EXTERIOR SURFACE COLOR: dark yellowish-brown

WALL THICKNESS (RIM, BODY, AND BASE IN MM):  
rim, 7.4 mm

INTERIOR SURFACE TREATMENT: smoothed on the rim

EXTERIOR SURFACE TREATMENT: none

HEIGHT (IN CM): 25.9

ORIFICE DIAMETER (IN CM): 18.8

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 15.5

BASE DIAMETER (IN CM): 9.0; flat and circular base

ESTIMATED VOLUME (IN LITERS): 6.3

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The rim has a single row of tool punctates just below the lip. The remainder of the rim has four upper and lower sets of incised concentric semi-circles around zones of tool punctations (Figure 128).

The upper and lower vessel body each has six horizontal incised lines, and the rest of the body has a complicated array of incised concentric semi-circles, sets of attached diagonal, horizontal, and vertical incised lines, and zones of tool punctations; there is a single row of punctations below the lower vessel body horizontal incised lines (Figure 128). In some cases, the incised semi-circles bisect smaller concentric circles, intersect the upper and lower horizontal incised lines, and in other cases the main sets of concentric semi-circles have smaller sets of attached semi-circles.

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Haley Complicated Incised



**Figure 128. Haley Complicated Incised jar, Vessel 1409.**

PROVENIENCE: Md. B, Pit 10

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1410; 5425.2310

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Carinated bowl

RIM AND LIP FORM: direct rim and a rounded lip

CORE COLOR: F (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: dark yellowish-brown; fire clouding on the rim, body, and base

EXTERIOR SURFACE COLOR: dark yellowish-brown;  
fire clouding on the rim, body, and base

WALL THICKNESS (RIM, BODY, AND BASE IN MM):  
rim, 6.2 mm

INTERIOR SURFACE TREATMENT: burnished

EXTERIOR SURFACE TREATMENT: burnished

HEIGHT (IN CM): 9.0

ORIFICE DIAMETER (IN CM): 20.3

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 20.0

BASE DIAMETER (IN CM): 10.0; flat and circular base

ESTIMATED VOLUME (IN LITERS): 1.1

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The rim has five sets of three interconnected incised triangles, filled with triangular tool punctations, that create a plain negative continuous scroll motif (Figure 129).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: cf. Pennington Punctated-Incised



**Figure 129. cf. Pennington Punctated-Incised carinated bowl, Vessel 1410.**

PROVENIENCE: Md. B, Pit 10

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1411; 5425.2318

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Jar with two opposed suspension holes on the rim (Figure 130)

RIM AND LIP FORM: direct rim and a flat lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: black

EXTERIOR SURFACE COLOR: black

WALL THICKNESS (RIM, BODY, AND BASE IN MM):  
rim, 3.2 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: burnished

HEIGHT (IN CM): 14.0

ORIFICE DIAMETER (IN CM): 8.0

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM):  
6.9

BASE DIAMETER (IN CM): 5.1; flat and circular base

ESTIMATED VOLUME (IN LITERS): 0.67

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The rim has three horizontal incised lines, along with a series of eight horizontally and/or vertically incised but unconnected rectangles filled with small circular punctations. The incised rectangles are divided from each other by a single vertical incised scroll line (Figure 130).

The vessel body has an incised scroll and circle motif repeated four times around the vessel (Figure 130). The center of each scroll is a large circle (filled with hatched opposed lines) attached at either end to upper and lower triangular-shaped incised scroll fill zones. The scrolls are defined by a single central scroll line that marks the outer edges of the upper and lower scroll fill zones and comprises the incised line that attach the central circle to the scroll fill zones.

PIGMENT USE AND LOCATION ON VESSEL: white pigment in incised lines on vessel body

TYPE [IF KNOWN]: Crockett Curvilinear Incised-Pennington Punctated-Incised hybrid



**Figure 130. Crockett Curvilinear Incised-Pennington Punctated-Incised hybrid jar, Vessel 1411.**

PROVENIENCE: Md. B, Pit 10

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1412; 5425.2312

NON-PLASTICS AND PASTE: grog and bone

VESSEL FORM: Carinated bowl

RIM AND LIP FORM: direct rim and rounded lip

CORE COLOR: F (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: red

EXTERIOR SURFACE COLOR: red

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 6.5 mm

INTERIOR SURFACE TREATMENT: burnished

EXTERIOR SURFACE TREATMENT: burnished

HEIGHT (IN CM): 8.5

ORIFICE DIAMETER (IN CM): 22.4

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 22.0

BASE DIAMETER (IN CM): 9.3; flat and circular base

ESTIMATED VOLUME (IN LITERS): 1.1

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The vessel has an interior and exterior red-slip. Additionally, the exterior surface has an engraved motif that is repeated six times around the vessel (Figure 131). The motif consists of four equally-spaced vertical engraved lines followed by seven equally-spaced diagonal engraved lines; the area above and below the intersection of these lines in the motif is marked by excised triangles whose apex either points to the rim or the carination.

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Holly Fine Engraved



**Figure 131. Holly Fine Engraved red-slipped carinated bowl, Vessel 1412.**

PROVENIENCE: Md. B, Pit 10

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1413; 5425.2362. This vessel could only be documented through an examination of a photographic image taken by Gilcrease Museum staff.

VESSEL FORM: Jar

RIM AND LIP FORM: everted rim and rounded lip

INTERIOR SURFACE COLOR: dark yellowish-brown

EXTERIOR SURFACE COLOR: dark yellowish-brown

HEIGHT (IN CM): 20.0 cm

ORIFICE DIAMETER (IN CM): 17.8

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): maximum width on body is 17.8 cm

ESTIMATED VOLUME (IN LITERS): 3.2

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The rim has a single row of large diagonal tool punctations just below the lip. The rim itself has alternating zones of vertical and horizontal incised lines that are separated from one another by rectangular areas filled with tool punctations (Figure 132).

The vessel body, on the other hand, has both upper and lower incised continuous scroll motifs, and the upper scroll has a central incised circle that is repeated four times around the vessel (Figure 132). The incised circles, with their associated set of incised concentric semi-circles, are filled with short horizontal incised lines and an outer row of tool punctations. All remaining areas between the incised elements are filled with tool punctations.

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Haley Complicated Incised



**Figure 132. Haley Complicated Incised jar, Vessel 1413.**

PROVENIENCE: Md. B, Pit 10

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1414; 5425.2335

NON-PLASTICS AND PASTE: bone and grog

VESSEL FORM: Seed Jar (Figure 133)

RIM AND LIP FORM: inverted rim and rounded lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: black

EXTERIOR SURFACE COLOR: black

WALL THICKNESS (RIM, BODY, AND BASE IN MM):  
neck, 6.3 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: burnished

HEIGHT (IN CM): 18.4

ORIFICE DIAMETER (IN CM): 6.0

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): N/A

BASE DIAMETER (IN CM): 9.0

ESTIMATED VOLUME (IN LITERS): 1.0

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): There are three horizontal engraved lines at the top of the rim (Figure 133).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Hickory Engraved



**Figure 133. Hickory Engraved seed jar, Vessel 1414.**

PROVENIENCE: Md. B, Pit 10

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1415; 5425.2325

NON-PLASTICS AND PASTE: fine grog

VESSEL FORM: Bottle with a straight neck

RIM AND LIP FORM: direct rim and rounded lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: dark grayish-brown

EXTERIOR SURFACE COLOR: dark grayish-brown; fire clouding

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 4.6 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: burnished

HEIGHT (IN CM): 22.6

ORIFICE DIAMETER (IN CM): 4.0

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 5.6; maximum body width of 14.2 cm

BASE DIAMETER (IN CM): 7.0; flat and circular base

ESTIMATED VOLUME (IN LITERS): 0.63

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): There are four equally-spaced horizontal engraved lines at the top of the vessel body (Figure 134).

PIGMENT USE AND LOCATION ON VESSEL: red pigment in engraved lines

TYPE [IF KNOWN]: Hickory Engraved



**Figure 134. Hickory Engraved bottle, Vessel 1415.**

PROVENIENCE: Md. B, Pit 10

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1416; 5425.2365

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Bottle with a long tapered neck (Figure 135)

RIM AND LIP FORM: direct rim and flat lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: dark brown

EXTERIOR SURFACE COLOR: dark brown to black

WALL THICKNESS (RIM, BODY, AND BASE IN MM):  
rim, 3.8 mm

INTERIOR SURFACE TREATMENT: smoothed on the  
upper neck

EXTERIOR SURFACE TREATMENT: burnished

HEIGHT (IN CM): 32.3

ORIFICE DIAMETER (IN CM): 4.3

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM):  
5.6; maximum body width is 12.5 cm

BASE DIAMETER (IN CM): 10.7; flat and circular base

ESTIMATED VOLUME (IN LITERS): 1.4

DECORATION (INCLUDING MOTIF AND ELEMENTS  
WHEN APPARENT): Plain

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Smithport Plain?



**Figure 135. Possible Smithport Plain bottle, Vessel 1416.**



PROVENIENCE: Md. B, Pit 11

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1417; 5425.2336. Vessels 1417-1425 were associated funerary vessels in Pit 11.

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Bottle with a long tapered neck

RIM AND LIP FORM: direct rim and a rounded lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: dark grayish-brown

EXTERIOR SURFACE COLOR: dark grayish-brown

WALL THICKNESS (RIM, BODY, AND BASE IN MM): neck, 4.3 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: burnished

HEIGHT (IN CM): 23.9

ORIFICE DIAMETER (IN CM): 3.6

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 6.3; maximum body width is 13.4 cm

BASE DIAMETER (IN CM): 7.7; flat and circular base

ESTIMATED VOLUME (IN LITERS): 0.74

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The vessel has three equally-spaced horizontal engraved lines at the top of the body (Figure 136).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Hickory Engraved



**Figure 136. Hickory Engraved bottle, Vessel 1417.**

PROVENIENCE: Md. B, Pit 11

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1418; 5425.2363

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Bottle with a long tapered neck

RIM AND LIP FORM: direct rim and a flat lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: dark brown to black

EXTERIOR SURFACE COLOR: dark brown to black

WALL THICKNESS (RIM, BODY, AND BASE IN MM):  
rim, 2.7 mm

INTERIOR SURFACE TREATMENT: smoothed on the upper neck

EXTERIOR SURFACE TREATMENT: burnished

HEIGHT (IN CM): 21.2

ORIFICE DIAMETER (IN CM): 4.0

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM):  
6.0

BASE DIAMETER (IN CM): 8.1; flat and circular

ESTIMATED VOLUME (IN LITERS): 0.69

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): There are three equally-spaced horizontal engraved lines just below the bottle lip. Another horizontal engraved line is present immediately below the neck-body juncture, and in addition, there are 36 vertical engraved lines pendant from this horizontal line (Figure 137). The vertical engraved lines extend to just above the vessel base.

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Unidentified engraved fine ware



**Figure 137. Unidentified engraved bottle, Vessel 1418.**

PROVENIENCE: Md. B, Pit 11

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1419; 5425.2330

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Bottle

RIM AND LIP FORM: direct rim and a flat lip

CORE COLOR: F (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: yellowish-brown

EXTERIOR SURFACE COLOR: red; fire clouding on body and neck

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 2.6 mm

INTERIOR SURFACE TREATMENT: smoothed on the upper neck

EXTERIOR SURFACE TREATMENT: burnished

HEIGHT (IN CM): 25.5

ORIFICE DIAMETER (IN CM): 3.7

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 7.3; maximum body width is 12.3 cm

BASE DIAMETER (IN CM): 9.8; circular and rounded base

ESTIMATED VOLUME (IN LITERS): 1.0

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): Red-slipped on the exterior vessel surface (Figure 138).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Unidentified red-slipped fine ware, possibly Sanders Plain.



**Figure 138. Red-slipped bottle, Vessel 1419.**

PROVENIENCE: Md. B, Pit 11

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1420; 5425.2334

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Bottle with a straight neck

RIM AND LIP FORM: direct rim and a flat lip

CORE COLOR: G (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: dark grayish-brown

EXTERIOR SURFACE COLOR: yellowish-brown; fire clouding

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 5.0 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 22.4

ORIFICE DIAMETER (IN CM): 4.4

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 6.1; maximum body width is 13.0 cm

BASE DIAMETER (IN CM): 9.8; flat and circular base

ESTIMATED VOLUME (IN LITERS): 0.88

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): There are eight equally-spaced horizontal engraved lines beginning immediately below the neck-body juncture of the vessel. The lowermost horizontal engraved line has a continuous series of engraved pendant triangles that encircle the vessel body (Figure 139).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Hickory Engraved, *var. East*



**Figure 139. Hickory Engraved, *var. East* bottle, Vessel 1420.**

PROVENIENCE: Md. B, Pit 11

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1421; 5425.2357

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Jar

RIM AND LIP FORM: direct rim and a flat lip

CORE COLOR: F (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: yellowish-brown

EXTERIOR SURFACE COLOR: yellowish-brown

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 5.9 mm; body, 7.6 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: none

HEIGHT (IN CM): 15.7

ORIFICE DIAMETER (IN CM): 15.0

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 11.9

BASE DIAMETER (IN CM): 9.9; flat and circular base

ESTIMATED VOLUME (IN LITERS): 1.4

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The rim has five equally-spaced horizontal incised lines. The vessel body has a continuous series of stacked diamond and triangle incised elements that are repeated 12 times around the vessel (Figure 140).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Dunkin Incised



**Figure 140. Dunkin Incised jar, Vessel 1421.**

PROVENIENCE: Md. B, Pit 11

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1422; 5425.2337

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Bottle with a long and tapered neck

RIM AND LIP FORM: direct rim and a flat lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: dark brown

EXTERIOR SURFACE COLOR: black

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 3.8 mm

INTERIOR SURFACE TREATMENT: smoothed on the upper bottle neck

EXTERIOR SURFACE TREATMENT: burnished

HEIGHT (IN CM): 24.5

ORIFICE DIAMETER (IN CM): 3.7

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 6.2; maximum body width is 13.0 cm

BASE DIAMETER (IN CM): 10.5; circular and rounded base

ESTIMATED VOLUME (IN LITERS): 1.0

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The bottle rim has three equally-spaced horizontal engraved lines, while there are five horizontal engraved lines immediately below the neck-body juncture (Figure 141).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Hickory Engraved



**Figure 141. Hickory Engraved bottle, Vessel 1422.**

PROVENIENCE: Md. B, Pit 11

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1423; 5425.2352. This vessel was only documented via examination of a vessel image provided by Gilcrease Museum staff.

VESSEL FORM: Deep bowl

RIM AND LIP FORM: direct rim and a flat lip

EXTERIOR SURFACE COLOR: dark grayish-brown

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 13.3

ORIFICE DIAMETER (IN CM): 10.8

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): maximum width on body is 12.7 cm

ESTIMATED VOLUME (IN LITERS): 1.1

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The rim has six equally-spaced horizontal incised lines. Below these lines is a horizontal to triangular zone encircling the vessel that is filled with diagonal and vertical lines, and this zone lies above a zone of continuous scroll lines and curvilinear lines that encircle a central circle element that is repeated four times around the vessel (Figure 142). These circle elements are filled with large tool punctations.

PIGMENT USE AND LOCATION ON VESSEL:  
none

TYPE [IF KNOWN]: Crockett Curvilinear  
Incised



**Figure 142. Crockett Curvilinear Incised bowl, Vessel 1423.**

PROVENIENCE: Md. B, Pit 11

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1424; 5425.2359

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Jar

RIM AND LIP FORM: everted rim and a flat lip

CORE COLOR: G (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: black

EXTERIOR SURFACE COLOR: yellowish-brown; fire clouding on the body

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 4.1 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: none

HEIGHT (IN CM): 17.0

ORIFICE DIAMETER (IN CM): 13.9

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 10.8

BASE DIAMETER (IN CM): 6.7

ESTIMATED VOLUME (IN LITERS): 2.1

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The vessel rim has three rows of tool punctations, one under the lip, a second midway down the rim, and the third at the rim-body juncture. The areas between the punctated rows are filled with horizontal incised lines (Figure 143).

Immediately below the rim-body juncture are a set of six horizontal incised lines. The remainder of the vessel body has 27 vertical rows of circular tool punctations that extend to the vessel base and encircle the body (Figure 143). These rows divide repeated sets of four vertical incised lines that also extend to the vessel base.

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: cf. Pease Brushed-Incised



**Figure 143. cf. Pease Brushed-Incised jar, Vessel 1424.**



PROVENIENCE: Md. B, Pit 11

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1425; 5425.2356

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Bottle with a long tapered neck

RIM AND LIP FORM: direct rim and a rounded lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: very dark grayish-brown

EXTERIOR SURFACE COLOR: very dark grayish-brown

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 6.2 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 22.0

ORIFICE DIAMETER (IN CM): 3.7

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 5.3; maximum body width is 11.5 cm

BASE DIAMETER (IN CM): 8.0; flat and circular base

ESTIMATED VOLUME (IN LITERS): 0.7

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): There are four equally-spaced horizontal engraved lines at the top of the vessel body (Figure 144).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Hickory Engraved



**Figure 144. Hickory Engraved bottle, Vessel 1425.**

PROVENIENCE: Md. B, 13 inches deep (33 cm), five ft. north of Pit 11, but unassociated with any identified burial pits

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1426; 5425.2332

NON-PLASTICS AND PASTE: fine grog

VESSEL FORM: Bottle with a long tapered neck

RIM AND LIP FORM: direct rim and rounded lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: very dark grayish-brown

EXTERIOR SURFACE COLOR: very dark grayish-brown; fire clouding

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 5.9 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 26.8

ORIFICE DIAMETER (IN CM): 4.0

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 5.3; maximum body width is 13.4 cm

BASE DIAMETER (IN CM): 8.8; flat and circular base

ESTIMATED VOLUME (IN LITERS): 0.94

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The vessel body immediately below the neck-body juncture has three equally-spaced horizontal engraved lines (Figure 145).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Hickory Engraved



**Figure 145. Hickory Engraved bottle, Vessel 1426.**

PROVENIENCE: Md. B, Pit 12

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1427; 5425.2351. Vessels 1427-1439 were associated funerary vessels in Pit 12.

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Compound bowl (Figure 146)

RIM AND LIP FORM: everted rim and a rounded base

CORE COLOR: G (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: dark grayish-brown

EXTERIOR SURFACE COLOR: dark yellowish-brown;  
fire clouding on the rim

WALL THICKNESS (RIM, BODY, AND BASE IN MM):  
rim, 4.7 mm

INTERIOR SURFACE TREATMENT: burnished on the  
rim and smoothed on the body

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 11.8

ORIFICE DIAMETER (IN CM): 11.9

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 13.6

BASE DIAMETER (IN CM): 6.9; flat and circular base

ESTIMATED VOLUME (IN LITERS): 1.1

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The upper panel of the vessel has three equally-spaced horizontal incised lines. The lower panel has a scroll motif outlined by upper and lower sets of paired and solitary incised triangles filled with triangular punctations (Figure 146). The central element in the scroll is an incised circle, repeated four times, filled with triangular tool punctations; these circles are attached to the upper and lower paired triangles by a single curvilinear incised line.

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Crockett Curvilinear Incised



**Figure 146. Crockett Curvilinear Incised compound bowl, Vessel 1427.**

PROVENIENCE: Md. B, Pit 12

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1428; 5425.2340

NON-PLASTICS AND PASTE: grog and bone

VESSEL FORM: Jar

RIM AND LIP FORM: everted rim and rounded lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: dark grayish-brown

EXTERIOR SURFACE COLOR: grayish-brown; fire clouding on the body and rim

WALL THICKNESS (RIM, BODY, AND BASE IN MM):  
rim, 4.8 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: none

HEIGHT (IN CM): 15.7

ORIFICE DIAMETER (IN CM): 13.6

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM):  
11.5

BASE DIAMETER (IN CM): 7.5; flat and circular base

ESTIMATED VOLUME (IN LITERS): 1.3

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The rim has three to four rows of vertically-oriented tool punctations as well as two rows of cane punctations. A third row of cane punctates is immediately below the rim-body juncture. The vessel body is also completely covered with tool punctations, including four punctated dividers comprised of three vertical rows of punctations (Figure 147). These dividers created panels filled with four concentric semi-circles of tool punctations; the areas between the concentric semi-circles and the punctated dividers are also filled with punctations, usually oriented in the same direction as the concentric semi-circles, but one panel has punctations oriented in opposing directions.

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: cf. Sinner Linear Punctated



**Figure 147. cf. Sinner Linear Punctated jar, Vessel 1428.**

PROVENIENCE: Md. B, Pit 12

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1429; 5425.2348

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Bowl with two opposed lip and rim peaks; lip tabs (Figure 148a-b)

RIM AND LIP FORM: direct rim and a flat lip

CORE COLOR: F (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: red

EXTERIOR SURFACE COLOR: red

WALL THICKNESS (RIM, BODY, AND BASE IN MM):  
rim, 6.2 mm

INTERIOR SURFACE TREATMENT: burnished

EXTERIOR SURFACE TREATMENT: burnished

HEIGHT (IN CM): 10.8

ORIFICE DIAMETER (IN CM): 17.3

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM):  
N/A

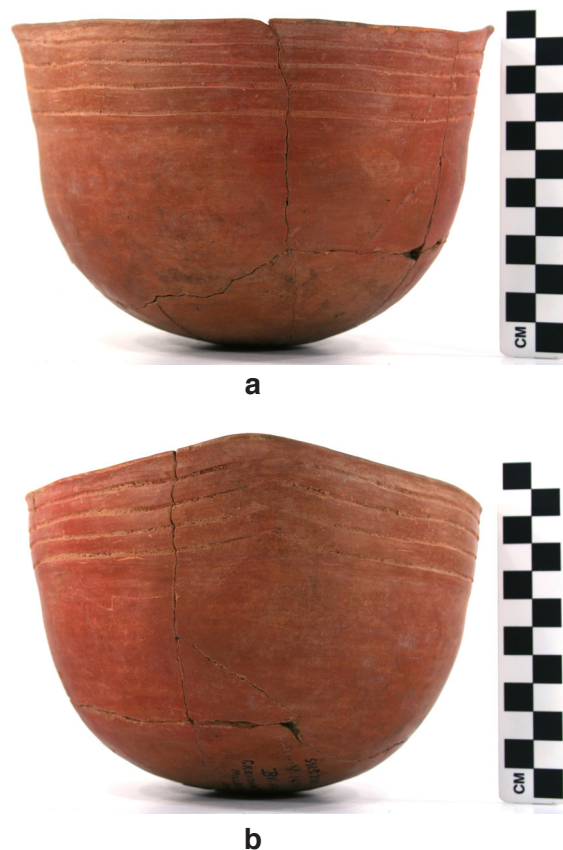
BASE DIAMETER (IN CM): 7.5; circular and rounded  
base

ESTIMATED VOLUME (IN LITERS): 0.75

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The vessel has a red slip on both interior and exterior surfaces. The rim has four equally-spaced horizontal incised lines (Figure 148a); these lines rise up under the rim and lip peaks (Figure 148b). On the flat lip at the wider lip peak are three depressed excised areas, a central oval and two adjoining tear-drop shaped excised areas.

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: East Incised



**Figure 148. East Incised bowl, Vessel 1429: a, side view; b, view of incised lines under one of the lip tabs.**

PROVENIENCE: Md. B, Pit 12

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1430; 5425.2361

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Bottle with a tapered neck

RIM AND LIP FORM: direct rim and a flat lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: dark grayish-brown

EXTERIOR SURFACE COLOR: dark grayish-brown; fire clouding on the bottle neck

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 4.1 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: burnished on the neck, smoothed on the vessel body

HEIGHT (IN CM): 21.5

ORIFICE DIAMETER (IN CM): 4.0

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 5.5; maximum body width is 11.8 cm

BASE DIAMETER (IN CM): 5.6; flat and circular base

ESTIMATED VOLUME (IN LITERS): 0.48

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The vessel has four equally-spaced horizontal engraved lines just below the neck-body juncture (Figure 149).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Hickory Engraved



**Figure 149. Hickory Engraved bottle, Vessel 1430.**

PROVENIENCE: Md. B, Pit 12

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1431; 5425.2349

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Bowl with rim/lip peaks and lip tabs  
(Figure 150a-c)

RIM AND LIP FORM: direct rim and a rounded lip

CORE COLOR: N/A

INTERIOR SURFACE COLOR: red; fire clouding on the vessel base

EXTERIOR SURFACE COLOR: red

WALL THICKNESS (RIM, BODY, AND BASE IN MM):  
rim, 5.6 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: burnished

HEIGHT (IN CM): 11.8

ORIFICE DIAMETER (IN CM): 16.5

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 16.5

BASE DIAMETER (IN CM): 11.0; circular and rounded base

ESTIMATED VOLUME (IN LITERS): 0.78

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The vessel has a red slip on both interior and exterior surfaces. The rim has four equally-spaced horizontal incised lines (Figure 150a); these lines rise up under the rim and lip peaks, but are not joined under the rim/lip peaks (Figure 150b). On the flat lip at the wider lip peak are three depressed excised areas, a central oval and two adjoining triangular-shaped excised areas (Figure 150c).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: East Incised



a



b



c

**Figure 150. East Incised bowl, Vessel 1431: a, side view; b, incised lines under the lip tab tail; c, excised areas on vessel lip.**

PROVENIENCE: Md. B, Pit 12

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1432; 5425.2338

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Bottle with a tapered neck

RIM AND LIP FORM: direct rim and a rounded lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: black

EXTERIOR SURFACE COLOR: black

WALL THICKNESS (RIM, BODY, AND BASE IN MM):  
rim, 5.8 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: burnished

HEIGHT (IN CM): 22.6

ORIFICE DIAMETER (IN CM): 4.2

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM):  
6.1; maximum body width is 11.4 cm

BASE DIAMETER (IN CM): 5.7; flat and circular base

ESTIMATED VOLUME (IN LITERS): 0.51

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): This vessel has three equally-spaced horizontal engraved lines at the top of the vessel body (Figure 151).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Hickory Engraved



**Figure 151. Hickory Engraved bottle, Vessel 1432.**



PROVENIENCE: Md. B, Pit 12

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1433; 5425.2347

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Carinated bowl

RIM AND LIP FORM: inverted rim and rounded lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: black

EXTERIOR SURFACE COLOR: black

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 5.4 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: burnished

HEIGHT (IN CM): 8.2

ORIFICE DIAMETER (IN CM): 17.3

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): N/A

BASE DIAMETER (IN CM): 16.5; circular and rounded base

ESTIMATED VOLUME (IN LITERS): 0.85

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The rim has two equally-spaced horizontal engraved lines above a panel filled with a scroll motif repeated five times around the vessel (Figure 152). The central element of the scroll is a cross-hatched filled circle; this circle is attached by opposed lines to the scroll motif. There are also upper and lower triangular scroll fill zones with cross-hatched engraved lines.

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: cf. Crockett Curvilinear Incised, but engraved



**Figure 152. Engraved variant of Crockett Curvilinear Incised carinated bowl, Vessel 1433.**

PROVENIENCE: Md. B, Pit 12

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1434; 5425.2346

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Bowl

RIM AND LIP FORM: direct rim and a rounded lip

CORE COLOR: G (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: dark grayish-brown

EXTERIOR SURFACE COLOR: dark yellowish-brown

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 4.5 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: burnished

HEIGHT (IN CM): 7.4

ORIFICE DIAMETER (IN CM): 12.2

DIAMETER AT BOTTOM OF RIM OR NECK  
(IN CM): 12.2; maximum body width is 14.4 cm

BASE DIAMETER (IN CM): 14.4; circular and  
rounded base

ESTIMATED VOLUME (IN LITERS): 0.36

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The vessel rim has four  
equally-spaced horizontal engraved lines (Figure 153).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Hickory Engraved



**Figure 153. Hickory Engraved bowl, Vessel 1434.**

PROVENIENCE: Md. B, Pit 12

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1435; 5425.2364

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Bottle with a long and straight neck

RIM AND LIP FORM: direct rim and a rounded lip

CORE COLOR: A (fired and cooled in an oxidizing environment)

INTERIOR SURFACE COLOR: red

EXTERIOR SURFACE COLOR: red

WALL THICKNESS (RIM, BODY, AND BASE IN MM):  
rim, 5.2 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 20.9

ORIFICE DIAMETER (IN CM): 4.1

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM):  
5.8; maximum width on the body is 11.6 cm

BASE DIAMETER (IN CM): 8.6; flat and circular base

ESTIMATED VOLUME (IN LITERS): 0.72

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): There are two equally-spaced horizontal engraved zones at the top of the vessel body. Each narrow zone is filled with vertical hatched lines (Figure 154).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Unidentified fine ware



**Figure 154. Engraved bottle, Vessel 1435.**

PROVENIENCE: Md. B, Pit 12

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1436; 5425.2358

NON-PLASTICS AND PASTE: fine grog

VESSEL FORM: Bottle with a tapered neck

RIM AND LIP FORM: direct rim and a rounded lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: very dark grayish-brown

EXTERIOR SURFACE COLOR: very dark grayish-brown

WALL THICKNESS (RIM, BODY, AND BASE IN MM):  
neck, 5.4 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 17.9

ORIFICE DIAMETER (IN CM): 3.8

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM):  
5.7

BASE DIAMETER (IN CM): 4.9; flat and circular base

ESTIMATED VOLUME (IN LITERS): 0.35

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The top of the vessel body has three equally-spaced horizontal engraved lines (Figure 155).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Hickory Engraved



**Figure 155. Hickory Engraved bottle, Vessel 1436.**

PROVENIENCE: Md. B, Pit 12

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1437; 5425.2360

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Bottle with a tapered neck

RIM AND LIP FORM: direct rim and a rounded lip

CORE COLOR: G (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: dark grayish-brown

EXTERIOR SURFACE COLOR: dark yellowish-brown

WALL THICKNESS (RIM, BODY, AND BASE IN MM): neck, 5.4 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: burnished

HEIGHT (IN CM): 23.1

ORIFICE DIAMETER (IN CM): 3.5

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 6.4; maximum body width of 13.0 cm

BASE DIAMETER (IN CM): 6.3; flat and circular base

ESTIMATED VOLUME (IN LITERS): 0.58

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The top of the vessel body is decorated with six equally-spaced and finely executed horizontal engraved lines (Figure 156).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Hickory Engraved



**Figure 156. Hickory Engraved bottle, Vessel 1437.**

PROVENIENCE: Md. B, Pit 12

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1438; 5425.2331

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Bottle with a long tapered neck

RIM AND LIP FORM: direct rim and a rounded lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: dark grayish-brown

EXTERIOR SURFACE COLOR: dark yellowish-brown; fire clouding on the vessel body

WALL THICKNESS (RIM, BODY, AND BASE IN MM): neck, 4.6 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 20.3

ORIFICE DIAMETER (IN CM): 3.9

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 5.8; maximum body width is 8.8 cm

BASE DIAMETER (IN CM): 5.2; flat and circular base

ESTIMATED VOLUME (IN LITERS): 0.42

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The top of the vessel body has four equally-spaced horizontal engraved lines (Figure 157).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Hickory Engraved



**Figure 157. Hickory Engraved bottle, Vessel 1438.**

PROVENIENCE: Md. B, Pit 12

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1439; 5425.2350

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Bowl

RIM AND LIP FORM: direct rim and a rounded lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: black

EXTERIOR SURFACE COLOR: black

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 6.0 mm

INTERIOR SURFACE TREATMENT: smoothed on the rim

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 12.9

ORIFICE DIAMETER (IN CM): 15.3

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 14.9

BASE DIAMETER (IN CM): 9.0; circular and rounded base

ESTIMATED VOLUME (IN LITERS): 0.79

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The vessel has an incised-punctated motif on the body, while the rim has five horizontal incised lines. There are also two horizontal incised lines below the incised-punctated motif, but well above the base (Figure 158).

The incised-punctated motif is repeated three times around the vessel. The central element is a large incised-semi-circle pendant from the rim, with two smaller circles within it, as well as opposed series of curvilinear incised lines (Figure 158). The smallest circle is filled with tool punctations. Adjacent to and below the large incised semi-circles are two large incised triangles. These large triangles have a smaller centrally-placed hatched incised triangle within them.

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Crockett Curvilinear Incised



**Figure 158. Crockett Curvilinear Incised bowl, Vessel 1439.**

***Just South of Md. D.***

PROVENIENCE: large sherd from vessel, just south of Md. D

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1531; 5425.1752

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Carinated bowl

RIM AND LIP FORM: N/A

CORE COLOR: F (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: reddish-brown; fire clouds on the vessel body

EXTERIOR SURFACE COLOR: reddish-brown

WALL THICKNESS (RIM, BODY, AND BASE IN MM): body, 7.6 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: none

HEIGHT (IN CM): N/A

ORIFICE DIAMETER (IN CM): N/A

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): N/A

BASE DIAMETER (IN CM): N/A

ESTIMATED VOLUME (IN LITERS): N/A

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The lower part of the rim panel is decorated with an incised slanting scroll. There are upper and lower triangular-shaped scroll fill zones filled with tool punctations .

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Crockett Curvilinear Incised



***Field near Md. D***

PROVENIENCE: Field near Md. D

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1470; 5425.2276

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Carinated bowl

RIM AND LIP FORM: direct rim and a flat lip

CORE COLOR: F (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: yellowish-brown

EXTERIOR SURFACE COLOR: yellowish-brown; fire clouding

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 4.6 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 8.2

ORIFICE DIAMETER (IN CM): 21.2

DIAMETER AT BOTTOM OF RIM OR NECK  
(IN CM): 20.0

BASE DIAMETER (IN CM): 12.0; circular and  
rounded base

ESTIMATED VOLUME (IN LITERS): 1.0



**Figure 159. Coles Creek Incised, *var. Greenhouse* or Davis Incised carinated bowl, Vessel 1470.**

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The rim is decorated with three equally-spaced and overhanging horizontal incised lines (Figure 159).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Coles Creek Incised, *var. Greenhouse* or Davis Incised

PROVENIENCE: Field near Md. D

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1471; 5425.2263

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Bottle with a long tapered neck

RIM AND LIP FORM: direct rim and a rounded lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: black

EXTERIOR SURFACE COLOR: black

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 4.9 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: burnished

HEIGHT (IN CM): 23.1

ORIFICE DIAMETER (IN CM): 3.6

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 6.3; maximum body width is 14.2 cm

BASE DIAMETER (IN CM): 10.0; circular and rounded base

ESTIMATED VOLUME (IN LITERS): 0.92

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The vessel body has four upper and lower horizontal engraved lines that define the engraved body decorative elements. The body is divided into four panels by four sets of five vertical engraved lines (Figure 160). The panels have two opposed sets of concentric semi-circles pendant from the vertical engraved dividers, and curvilinear engraved lines that gracefully fill up the remainder of the panel and surround the semi-circles.

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Spiro Engraved



**Figure 160. Spiro Engraved bottle, Vessel 1471.**

PROVENIENCE: Field near Md. D

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1472; 5425.2258

NON-PLASTICS AND PASTE: no visible temper

VESSEL FORM: Bottle with tapered neck

RIM AND LIP FORM: direct rim and a rounded lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: black

EXTERIOR SURFACE COLOR: black

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 5.4 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 19.5

ORIFICE DIAMETER (IN CM): 3.9

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 6.4

BASE DIAMETER (IN CM): 9.5; circular and rounded base

ESTIMATED VOLUME (IN LITERS): 0.74

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The vessel body has a distinctive engraved motif within a panel defined by three horizontal engraved lines at the top, and two horizontal engraved lines at the bottom of the panel. Within the panel itself, the engraved motif is repeated three times, and includes a small central circle within a series of increasingly larger concentric semi-circles (Figure 161). The repeated motifs are divided from each other by three sets of four widely-spaced diagonal engraved lines that extend from the top to the bottom of the panel.

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Spiro Engraved



**Figure 161. Spiro Engraved bottle, Vessel 1472.**

***Field South of Md. D***

PROVENIENCE: Field south of Md. D

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1480; 5425.2246

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Bottle with a flaring neck (Figure 162)

RIM AND LIP FORM: everted rim and a flat lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: black

EXTERIOR SURFACE COLOR: black

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 4.8 mm

INTERIOR SURFACE TREATMENT: smoothed on upper neck

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 9.5

ORIFICE DIAMETER (IN CM): 4.1

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 2.9; maximum body width is 7.9 cm

BASE DIAMETER (IN CM): 7.8; circular and rounded base

ESTIMATED VOLUME (IN LITERS): 0.3

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The vessel body has five vertical rows of applied nodes that extend to just above the vessel base. Four of the rows have five applied nodes, while the fifth row only has four applied nodes (Figure 162).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Unidentified utility ware



**Figure 162. Applied bottle, Vessel 1480.**

PROVENIENCE: Burial in a field south of Md. D

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1514; 5425.2280. Vessels 1473 and Vessels 1513-1522 were found associated together as funerary offerings.

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Compound bowl with a collared upper panel (Figure 163)

RIM AND LIP FORM: direct rim and a rounded lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: dark grayish-brown

EXTERIOR SURFACE COLOR: dark grayish-brown

WALL THICKNESS (RIM, BODY, AND BASE IN MM):  
rim, 5.6 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 10.2

ORIFICE DIAMETER (IN CM): 12.5

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 13.8

BASE DIAMETER (IN CM): 5.5; flat and circular base

ESTIMATED VOLUME (IN LITERS): 1.0

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The upper panel has four equally-spaced horizontal incised lines; the bottom line—at the rim-body juncture—is much broader and deeper than the other three. The lower panel has a continuous slanting incised scroll with seven upper and lower triangular scroll fill zones that are filled with two sets of opposed incised hatched lines (Figure 163).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: cf. Pennington Punctated Incised (cf. Suhm and Jelks 1962:Plate 61i)



**Figure 163. cf. Pennington Punctated-Incised compound bowl, Vessel 1514.**

PROVENIENCE: Burial in field south of Md. D

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1515; 5425.2254a

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Bottle with long tapered neck

RIM AND LIP FORM: direct rim and a rounded lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: very dark grayish-brown

EXTERIOR SURFACE COLOR: very dark grayish-brown

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 4.5 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: burnished

HEIGHT (IN CM): 17.0+

ORIFICE DIAMETER (IN CM): 4.4

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 5.8; maximum body width is 12.7 cm

BASE DIAMETER (IN CM): 8.0; circular and rounded base

ESTIMATED VOLUME (IN LITERS): 0.5+

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The top of the vessel body is decorated with seven equally-spaced horizontal engraved lines (Figure 164).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Hickory Engraved



**Figure 164. Hickory Engraved bottle, Vessel 1515.**

PROVENIENCE: Burial in field south of Md. D

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1516; 5425.2265

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Bottle with a globular body and a tapered neck

RIM AND LIP FORM: inverted rim and a flat lip

CORE COLOR: F (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: dark yellowish-brown

EXTERIOR SURFACE COLOR: dark yellowish-brown;  
fire clouding on the neck, body, and base

WALL THICKNESS (RIM, BODY, AND BASE IN  
MM): rim, 3.5 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 21.5

ORIFICE DIAMETER (IN CM): 3.8

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 5.6; maximum body width is 13.5 cm

BASE DIAMETER (IN CM): 13.5; circular and rounded base

ESTIMATED VOLUME (IN LITERS): 1.2

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The top of the bottle neck is decorated with three horizontal engraved lines. The vessel body has an engraved panel delimited by four horizontal engraved lines at the top of the body, and three horizontal engraved lines just above the vessel base. The body panel is divided into four sub-panels by four sets of four vertical engraved lines (Figure 165). The sub-panels have concentric circles bisected by sets (4-6 lines) of diagonal engraved lines. The smallest and innermost bisected circle is formed by excision.

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Spiro Engraved or Holly Fine Engraved



**Figure 165. Spiro Engraved or Holly Fine Engraved bottle, Vessel 1516.**

PROVENIENCE: Burial in field south of Md. D

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1519; 5425.2282

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Deep bowl

RIM AND LIP FORM: direct rim and a rounded lip

CORE COLOR: G (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: dark grayish-brown

EXTERIOR SURFACE COLOR: dark yellowish-brown; fire clouding on the rim and base

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 5.8 mm

INTERIOR SURFACE TREATMENT: burnished on the rim

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 10.0

ORIFICE DIAMETER (IN CM): 13.0

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 13.5

BASE DIAMETER (IN CM): 13.5; circular and rounded base

ESTIMATED VOLUME (IN LITERS): 1.0

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The rim of the vessel is decorated with four equally-spaced horizontal incised lines. The body has an incised scroll (with either one or two incised lines running down the center of the scroll) with four cross-hatched incised circles as the central element alternating with the sloping incised scroll lines (Figure 166). The upper and lower scroll fill zones are triangular-shaped and filled with curvilinear incised lines.

PIGMENT USE AND LOCATION ON VESSEL: red pigment in incised lines

TYPE [IF KNOWN]: Crockett Curvilinear Incised



**Figure 166. Crockett Curvilinear Incised bowl, Vessel 1519.**



PROVENIENCE: Burial in field south of Md. D

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1521; 5425.2279

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Bowl

RIM AND LIP FORM: direct rim and a flat lip

CORE COLOR: G (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: dark grayish-brown

EXTERIOR SURFACE COLOR: yellowish-brown; fire clouding

WALL THICKNESS (RIM, BODY, AND BASE IN MM):  
rim, 3.6 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 10.2

ORIFICE DIAMETER (IN CM): 12.3

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 11.8

BASE DIAMETER (IN CM): 11.6; circular and rounded base

ESTIMATED VOLUME (IN LITERS): 0.5

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The rim is decorated with four equally-spaced horizontal incised lines. The body has an incised-punctated scroll that is repeated four times around the vessel; the incised scroll zone is filled with cane punctations (Figure 167). The upper and lower scroll fill zones have three repeated triangular incised elements, with the innermost triangular zone filled with cane punctates.

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Pennington Punctated-Incised



**Figure 167. Pennington Punctated-Incised bowl, Vessel 1521.**

PROVENIENCE: burial in field south of Md. D

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1530; 5425.2342

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Bottle with a long, tapered neck

RIM AND LIP FORM: direct rim and a flat lip

CORE COLOR: G (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: black

EXTERIOR SURFACE COLOR: reddish-brown

WALL THICKNESS (RIM, BODY, AND BASE IN MM):  
rim, 4.4 mm; body, 6.9 mm

INTERIOR SURFACE TREATMENT: smoothed on the  
upper neck

EXTERIOR SURFACE TREATMENT: burnished

HEIGHT (IN CM): 23.5

ORIFICE DIAMETER (IN CM): 3.8

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM):  
5.9; maximum body width of 16.1 cm

BASE DIAMETER (IN CM): 14.9; circular and rounded base

ESTIMATED VOLUME (IN LITERS): 1.4

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The bottle neck rim is decorated with four equally-spaced horizontal engraved lines. The vessel body has four distinct panels divided by sets of 3-5 vertical engraved lines, each featuring different combinations of concentric semi-circles that are bisected by sets of vertical lines, diagonal lines, or horizontal lines (Figure 168).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Spiro Engraved



**Figure 168. Spiro Engraved bottle, Vessel 1530.**

***Cemetery South of Md. D***

PROVENIENCE: South of Md. D

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1473; 5425.2232

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Compound bowl

RIM AND LIP FORM: everted rim and a rounded lip

CORE COLOR: F (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: reddish-brown; fire clouding on the base

EXTERIOR SURFACE COLOR: reddish-brown; fire clouding on the rim, body, and base

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 4.9 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: smoothed  
only on the body

HEIGHT (IN CM): 9.5

ORIFICE DIAMETER (IN CM): 10.5

DIAMETER AT BOTTOM OF RIM OR NECK (IN  
CM): 9.2

BASE DIAMETER (IN CM): 8.6; flat and circular  
base

ESTIMATED VOLUME (IN LITERS): 0.8

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The lower rim panel has a series of curvilinear incised lines that are part of a continuous scroll. At intervals along the central scroll line are six large incised circles filled with linear tool punctations (Figure 169). Above and below the scroll lines are six semi-circles filled with linear tool punctations.

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: cf. Crockett Curvilinear Incised



**Figure 169. cf. Crockett Curvilinear Incised compound bowl, Vessel 1473.**

PROVENIENCE: Burial in field south of Md. D

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1517; 5425.2239. This vessel was documented only through an examination of a photographic image provided by Gilcrease Museum staff.

VESSEL FORM: Jar

RIM AND LIP FORM: direct rim with a rounded, exterior folded lip

EXTERIOR SURFACE COLOR: yellowish-brown; fire clouding on the body

HEIGHT (IN CM): 8.9 cm

ORIFICE DIAMETER (IN CM): N/A

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): maximum width on the body is 7.9 cm

ESTIMATED VOLUME (IN LITERS): N/A

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The vessel rim has three rows of tool punctates near the top of the rim, as well as triangular-shaped areas filled with punctations pitched in opposing directions, completely covering the rim area (Figure 170). The vessel body is covered with horizontal rows of tool punctations.

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Sinner Linear Punctated



**Figure 170. Sinner Linear Punctated jar, Vessel 1517.**

***Near and Southwest of Md. D***

PROVENIENCE: Near and southwest of Md. D, in the burial of an adult. The vessel was placed near the wrist of the individual.

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1113; 5425.2303. This vessel was documented only through a photographic image taken by Gilcrease Museum staff.

VESSEL FORM: Bowl with body peaks, on a pedestal base; there are two opposed suspension holes on the rim (Figure 171)

RIM AND LIP FORM: inverted rim and rounded lip

EXTERIOR SURFACE COLOR: yellowish-brown

EXTERIOR SURFACE TREATMENT: burnished

HEIGHT (IN CM): 5.9

ORIFICE DIAMETER (IN CM): 5.1

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM):  
maximum body width: 10.2 cm

ESTIMATED VOLUME (IN LITERS): 0.12

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The rim and body has a concentric circle and semi-circle engraved motif repeated four times around the vessel, and centered on the body peaks (Figure 171). There is a small engraved circle at the center of the motif, possibly a small excised pit.

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Holly Fine Engraved



**Figure 171. Holly Fine Engraved bowl with a pedestal base, Vessel 1113.**

***Unknown Context at the Crenshaw Site***

PROVENIENCE: Unknown

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: 5425.2462; No vessel number provided on the vessel

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Effigy bowl, possibly a sucker fish, with rim peaks (Figure 172)

RIM AND LIP FORM: inverted rim and rounded lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: black

EXTERIOR SURFACE COLOR: black

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 6.8 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 5.5 (at rim peaks)

ORIFICE DIAMETER (IN CM): N/A

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): N/A

BASE DIAMETER (IN CM): N/A

ESTIMATED VOLUME (IN LITERS): N/A

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The rim is decorated with a single horizontal engraved line, along with curvilinear or opposed diagonal engraved zones filled with punctations (Figure 172). These zones encircle large circular applied nodes, one of which has a central dimple, or lie alongside a single engraved semi-circle.

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Unidentified fine ware



**Figure 172. Engraved effigy bowl, Vessel 5425.2462.**

*Middle Caddo vessels*

*Md. B*

PROVENIENCE: Md. B, upper burial #3

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1402; 5425.2322. Vessels 1402-1405 were associated funerary vessels in upper burial No. 3.

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Bottle with a globular body and a short, straight neck

RIM AND LIP FORM: direct rim and rounded lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: dark grayish-brown

EXTERIOR SURFACE COLOR: dark grayish-brown; fire clouding on the vessel body and neck

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 5.9 mm



**Figure 173. Handy Engraved bottle, Vessel 1402: a, body panel; b, divider with vertically-oriented rectangle element.**

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: burnished

HEIGHT (IN CM): 15.8

ORIFICE DIAMETER (IN CM): 4.5

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 5.0; maximum body width is 13.3 cm

BASE DIAMETER (IN CM): 7.4; flat and circular base

ESTIMATED VOLUME (IN LITERS): 0.47

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The vessel body has a engraved panel delimited by two upper (below the neck-body juncture) horizontal engraved lines and a single lower (near the base) horizontal engraved line. The panel has two semi-circular and circular engraved motifs divided by two engraved brackets (Figure 173a-b).

The panel motif consists of two concentric semi-circular lines, within which is an engraved line with inward pointing tick marks. The circle is divided in half by a single horizontal engraved line with tick marks, and both sides of the circle have two opposed concentric semi-circles (Figure 173a).

The vertical bracket dividers are outlined by vertical and horizontal engraved zones filled with hatched lines or punctations; they are also split in half by a hatched zone, creating two roughly rectangular areas. Each of the two rectangular areas have a single vertically-oriented rectangle element (Figure 173b).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Handy Engraved



PROVENIENCE: Md. B, upper burial #3

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1403; 5425.2313

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Bowl

RIM AND LIP FORM: inverted rim and a rounded lip

CORE COLOR: G (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: dark grayish-brown

EXTERIOR SURFACE COLOR: yellowish-brown

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 6.4 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: burnished

HEIGHT (IN CM): 6.9

ORIFICE DIAMETER (IN CM): 8.5

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): N/A

BASE DIAMETER (IN CM): 8.0; circular and rounded base

ESTIMATED VOLUME (IN LITERS): 0.23

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The rim has two horizontal engraved lines. The lower line has a series of 16 oval-shaped pendant elements filled with cross-hatched lines (Figure 174).

PIGMENT USE AND LOCATION ON VESSEL: white pigment in the engraved lines

TYPE [IF KNOWN]: Hempstead Engraved



**Figure 174. Hempstead Engraved bowl, Vessel 1403.**

PROVENIENCE: Md. B, upper burial #3

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1404; 5425.2305

NON-PLASTICS AND PASTE: fine grog

VESSEL FORM: Compound bowl with two opposed strap handles (Figure 175)

RIM AND LIP FORM: everted rim and a rounded lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: black; fire clouding

EXTERIOR SURFACE COLOR: black; fire clouding

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 7.9 mm

INTERIOR SURFACE TREATMENT: smoothed on upper panel

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 7.2

ORIFICE DIAMETER (IN CM): 16.9

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM):  
16.6

BASE DIAMETER (IN CM): 6.8; flat and circular base

ESTIMATED VOLUME (IN LITERS): 0.97

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The upper panel of the vessel is plain. The lower panel has four sub-panels that have as their central element engraved concentric semi-circles around a circular applied node (Figure 175). The remainder of the sub-panels include either two sets of five curvilinear lines divided by a single vertical engraved line or two sets of three closely-spaced vertical engraved lines, the outermost lines with tick marks or small spurs. These vertical engraved line sets are divided by a single vertical engraved line.

The strap handles are also decorated. In the center of the handle is a circular node surrounded by punctations within a larger engraved circle. The four edges of the handle have engraved lines with large tick marks or spurs.

PIGMENT USE AND LOCATION ON VESSEL: white pigment in the engraved lines

TYPE [IF KNOWN]: cf. Handy Engraved



**Figure 175. cf. Handy Engraved compound bowl, Vessel 1404.**

PROVENIENCE: Md. B, upper burial #3

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1405; 5425.2317

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Jar with two opposed strap handles (Figure 176)

RIM AND LIP FORM: everted rim and a rounded lip

CORE COLOR: G (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: very dark grayish-brown

EXTERIOR SURFACE COLOR: dark yellowish-brown; fire clouding on the rim and body

WALL THICKNESS (RIM, BODY, AND BASE IN MM):  
rim, 7.2 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: none

HEIGHT (IN CM): 12.5

ORIFICE DIAMETER (IN CM): 10.8

DIAMETER AT BOTTOM OF RIM OR NECK  
(IN CM): 9.4

BASE DIAMETER (IN CM): 7.5; flat and circular base

ESTIMATED VOLUME (IN LITERS): 0.81

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The rim has three rows of tool punctations, one under the lip, a second midway down the rim, and a third at the rim-body juncture. The areas in between are filled with short opposed diagonal incised lines (Figure 176).

The body decoration is composed of four continuous sets of semi-circular applied fillets that are filled with a series of incised concentric circles (Figure 176). At the center of these incised circles is a single large circular applied node. Outside of the applied fillet elements, and between the fillets and the vessel base, are a series of four continuous curvilinear incised lines.

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Haley Complicated Incised



**Figure 176. Haley Complicated Incised jar, Vessel 1405.**

PROVENIENCE: upper levels of Md. B

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1484; 5425.2237. Vessels 1481-1512 and Vessels 1523-1528 were all recovered from the upper levels of Mound B.

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Bowl with two opposed suspension holes (2.0 mm in diameter) (Figure 177)

RIM AND LIP FORM: inverted rim and flat lip

CORE COLOR: G (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: black

EXTERIOR SURFACE COLOR: yellowish-brown

WALL THICKNESS (RIM, BODY, AND BASE IN MM):  
rim, 3.2 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 7.7

ORIFICE DIAMETER (IN CM): 8.5

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 9.7

BASE DIAMETER (IN CM): 6.4; flat and circular base

ESTIMATED VOLUME (IN LITERS): 0.26

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The rim is decorated with four equally-spaced horizontal engraved lines, and there are an additional three horizontal engraved lines just above the vessel base. The body has a horizontal engraved scroll motif repeated two times on the vessels; the scrolls end with a hooked arm element (Figure 177). There are prominent excised spurs on the scrolls, except on the hooked arms.

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: possible Haley Engraved



**Figure 177. Possible Haley Engraved bowl, Vessel 1484.**

PROVENIENCE: Upper levels of Md. B

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1485; 5425.2651

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Carinated bowl

RIM AND LIP FORM: direct rim and rounded lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: black

EXTERIOR SURFACE COLOR: black

WALL THICKNESS (RIM, BODY, AND BASE IN MM):  
rim, 7.6 mm; body, 7.9 mm; base, 8.9 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: burnished

HEIGHT (IN CM): N/A

ORIFICE DIAMETER (IN CM): 26.0

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 26.0

BASE DIAMETER (IN CM): 12.1; flat and circular base

ESTIMATED VOLUME (IN LITERS): N/A

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The upper part of the rim has five equally-spaced horizontal engraved lines. These are above an engraved scroll with spurs (Figure 178). The upper and lower scroll fill zones include oval and rectilinear elements: the oval elements have excised zones, while the rectilinear elements have series of vertical engraved and excised lines as well as a semi-circular zone with spurs.

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: cf. Haley Engraved



**Figure 178. cf. Haley Engraved carinated bowl, Vessel 1485.**

PROVENIENCE: Upper levels of Md. B

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1486; 5425.2266

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Bowl with two opposed tab tails

RIM AND LIP FORM: direct rim and rounded lip, except for the flat tab tails

CORE COLOR: N/A

INTERIOR SURFACE COLOR: red; fire clouding on the body

EXTERIOR SURFACE COLOR: red; fire clouding on the body and base

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 6.9 mm; tab tail, 10.8 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: burnished

HEIGHT (IN CM): 20.0

ORIFICE DIAMETER (IN CM): 31.5

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM):  
N/A

BASE DIAMETER (IN CM): 14.5; circular and rounded

ESTIMATED VOLUME (IN LITERS): 2.5



**Figure 179. East Incised bowl, Vessel 1486.**

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The vessel has a red slip on both interior and exterior surfaces. The vessel also has eight horizontal incised lines that encircle the vessel, except under the tab tails where there is a series of six incised concentric semi-circles (Figure 179). The tab tail lip is decorated with opposed excised triangles.

PIGMENT USE AND LOCATION ON VESSEL: white pigment in incised lines

TYPE [IF KNOWN]: East Incised (see Suhm and Jelks 1962:Plate 21a, d)

PROVENIENCE: Upper levels of Md. B

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1487; 5425.2261

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Bottle with a globular body

RIM AND LIP FORM: direct rim and a rounded lip

CORE COLOR: F? (probably fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: N/A

EXTERIOR SURFACE COLOR: dark yellowish-brown; fire clouding on the vessel body and neck

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 4.6 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 23.1

ORIFICE DIAMETER (IN CM): 4.7

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 5.9; maximum body width is 15.5 cm

BASE DIAMETER (IN CM): N/A

ESTIMATED VOLUME (IN LITERS): N/A

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): There are two horizontal engraved lines at the top of the vessel body, and another three horizontal lines above the vessel body. The remainder of the body has a series of stacked engraved circles with hatched rays (Figure 180); these engraved circles with rays are within larger semi-circles with hatched lines and hatched pendant triangles or larger ray elements.

PIGMENT USE AND LOCATION ON VESSEL: red pigment in the engraved lines

TYPE [IF KNOWN]: Haley Engraved



**Figure 180. Haley Engraved bottle, Vessel 1487.**

PROVENIENCE: Upper levels of Md. B

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1488; 5425.2236

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Jar

RIM AND LIP FORM: everted rim and a rounded, exterior folded lip

CORE COLOR: G (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: dark grayish-brown

EXTERIOR SURFACE COLOR: dark yellowish-brown; fire clouding on the rim, body, and vessel base

WALL THICKNESS (RIM, BODY, AND BASE IN MM):

rim, 6.2 mm

INTERIOR SURFACE TREATMENT: smoothed on the rim

EXTERIOR SURFACE TREATMENT: none

HEIGHT (IN CM): 9.0

ORIFICE DIAMETER (IN CM): 8.4

DIAMETER AT BOTTOM OF RIM OR NECK  
(IN CM): 6.7



Figure 181. cf. Dunkin Incised jar, Vessel 1488.

BASE DIAMETER (IN CM): 3.5; circular and concave (dimpled) base

ESTIMATED VOLUME (IN LITERS): 0.45

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The upper and lower portions of the rim have a single broad horizontal grooved line. The remainder of the rim has a continuous series or sets of diagonal opposed incised lines (Figure 181).

The vessel body has four panels defined by sets of vertical incised lines that extend to near the base. Within each panel are stacked sets of six incised triangles, and the triangles are filled with incised lines pitched in different ways, including horizontal and diagonally-oriented lines (Figure 181).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: cf. Dunkin Incised



PROVENIENCE: Upper levels of Md. B

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1489; 5425.2234

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Jar with four rim peaks and two opposed strap handles (Figure 182)

RIM AND LIP FORM: everted rim and rounded lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: black

EXTERIOR SURFACE COLOR: black; fired clouding on the rim, body, and base

WALL THICKNESS (RIM, BODY, AND BASE IN MM):  
rim, 6.3 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: none

HEIGHT (IN CM): 9.8

ORIFICE DIAMETER (IN CM): 8.5

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM):  
7.3

BASE DIAMETER (IN CM): 5.5; flat and circular base

ESTIMATED VOLUME (IN LITERS): 0.5



**Figure 182. Haley Complicated Incised jar, Vessel 1489.**

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): There is a single row of tool punctations near the top of the vessel rim. This is above six horizontal incised lines that extend to the rim-body juncture, where there is a second row of punctations (Figure 182).

The vessel body has four large repeating applied fillet semi-circles. Within each of the applied semi-circles are a series of concentric incised circles, with a large applied node at their centers (Figure 182); there is a row of punctations around each node, and two of the nodes also have punctations on them.

The strap handles are also decorated. They have applied nodes at each corner and a fifth node at its center; the nodes are punctated (Figure 182). The remainder of each strap handle has both vertical and incised lines, and vertical and horizontal sets of punctations that parallel the incised lines.

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Haley Complicated Incised

PROVENIENCE: Upper levels of Md. B

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1490; 5425.2270

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Bowl with four suspension holes (2.9 mm in diameter) (Figure 183)

RIM AND LIP FORM: direct rim and rounded lip

CORE COLOR: G (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: dark grayish-brown

EXTERIOR SURFACE COLOR: dark yellowish-brown

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 8.6 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: none

HEIGHT (IN CM): 4.8

ORIFICE DIAMETER (IN CM): 7.6

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 7.1

BASE DIAMETER (IN CM): 7.1; circular and flat base

ESTIMATED VOLUME (IN LITERS): 0.15

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The vessel is covered with three horizontal rows of large applied nodes (Figure 183). The top and bottom rows have 16 nodes, while the middle row has 17 applied nodes.

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Moore Noded (Webb 1959:120)



**Figure 183. Moore Noded bowl, Vessel 1490.**

PROVENIENCE: Upper levels of Md. B

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1491; 5425.2244

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Compound bowl with two opposed strap handles (Figure 184)

RIM AND LIP FORM: everted rim and a rounded, exterior folded lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: black

EXTERIOR SURFACE COLOR: black

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 5.7 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 6.5

ORIFICE DIAMETER (IN CM): 12.5

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 12.8

BASE DIAMETER (IN CM): 5.9; flat and circular base

ESTIMATED VOLUME (IN LITERS): 0.65

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The upper rim panel is decorated with three equally-spaced horizontal engraved lines. The lower rim panel has an engraved semi-circle motif that is repeated seven times around the vessel (Figure 184). Each motif is comprised of a larger hatched semi-circle with a smaller inner engraved semi-circle. The motifs are divided by vertical rows of triangular tool punctations. Finally, a row of punctations has been placed below the engraved semi-circles, at the carination point.

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: cf. Handy Engraved



**Figure 184. cf. Handy Engraved compound bowl, Vessel 1491.**

PROVENIENCE: Upper levels of Md. B

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1493

NON-PLASTICS AND PASTE: grog and bone

VESSEL FORM: Jar with a short rim

RIM AND LIP FORM: everted rim and a rounded lip

CORE COLOR: G (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: grayish-brown

EXTERIOR SURFACE COLOR: yellowish-brown; fire clouding on the body

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 4.9 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: none

HEIGHT (IN CM): 16.0

ORIFICE DIAMETER (IN CM): 10.5

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 9.7

BASE DIAMETER (IN CM): 5.7; flat and circular base

ESTIMATED VOLUME (IN LITERS): 1.0

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The vessel body is decorated with 18 incised and incised-appliqued narrow panels that extend to within 2.5 cm of the vessel base; these panels are defined by two vertical incised lines (Figure 185). The four incised-appliqued panels have large vertically oriented applique ridge segments (three to five segments) around which diagonal incised lines—pitched in opposing directions—have been drawn across the panels. The incised panels are filled with diagonal incised lines pitched in opposing directions.

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Pease Brushed-Incised



**Figure 185. Pease Brushed-Incised jar, Vessel 1493.**

PROVENIENCE: Upper levels of Md. B

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1494; 5425.2262

NON-PLASTICS AND PASTE: grog and bone

VESSEL FORM: Jar

RIM AND LIP FORM: everted rim and a rounded lip

CORE COLOR: G (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: black

EXTERIOR SURFACE COLOR: dark yellowish-brown

WALL THICKNESS (RIM, BODY, AND BASE IN MM):  
rim, 5.6 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: none

HEIGHT (IN CM): 12.0

ORIFICE DIAMETER (IN CM): 10.7

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 10.0

BASE DIAMETER (IN CM): 8.5; flat and circular base

ESTIMATED VOLUME (IN LITERS): 0.77

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The vessel rim has two rows of tool punctations, one under the lip and the other at the rim-body juncture. Between the two punctated rows are horizontal brushed-incised lines. The vessel body is divided into four panels by four sets of two vertically-oriented triangular tool punctated rows that extend almost to the vessel base (Figure 186). The panels themselves are filled with vertical to diagonal brushing marks.

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: cf. Pease Brushed-Incised



**Figure 186. cf. Pease Brushed-Incised jar, Vessel 1494.**

PROVENIENCE: Upper levels of Md. B

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1495; 5425.2284

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Bottle with a short neck

RIM AND LIP FORM: direct rim and a rounded lip

CORE COLOR: G (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: dark grayish-brown

EXTERIOR SURFACE COLOR: dark yellowish-brown; fire clouding on the body and neck

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 5.3 mm

INTERIOR SURFACE TREATMENT: smoothed on the upper neck

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 15.0

ORIFICE DIAMETER (IN CM): 4.8

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 5.3; maximum body width is 13.5 cm

BASE DIAMETER (IN CM): 7.6; flat and circular base

ESTIMATED VOLUME (IN LITERS): 0.46

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): There are two equally-spaced horizontal engraved lines at the top of the vessel body. These lie above two panels that fill the remainder of the vessel body (Figure 187).

The panels are divided by large engraved brackets that have upper and lower sets of three triangular elements whose outer triangle apexes touch in the center of the brackets. The outer triangles have tick marks on them, while one of the inner triangles has a hatched line within it (Figure 187). The panel motif consists of six concentric circles, and they become increasingly smaller towards the center of the motif. One of the outer concentric circles has tick marks on it, while another (second out from the center) has excised spurs (Figure 187). The next one towards the center has been excised; this concentric circle is attached to the third concentric circle by four engraved lines that extend from hatched pendant triangles on the latter.

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: cf. Haley Engraved



**Figure 187. cf. Haley Engraved bottle, Vessel 1495.**

PROVENIENCE: Upper levels of Md. B

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1498; 5425.2256

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Bottle with a straight neck

RIM AND LIP FORM: direct rim and a rounded lip

CORE COLOR: H (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: dark yellowish-brown

EXTERIOR SURFACE COLOR: very dark grayish-brown;  
fire clouding on vessel body

WALL THICKNESS (RIM, BODY, AND BASE IN MM):  
rim, 4.2 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 18.6

ORIFICE DIAMETER (IN CM): 4.1

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM):  
4.9; maximum body width is 15.5 cm

BASE DIAMETER (IN CM): 8.5; flat and circular base

ESTIMATED VOLUME (IN LITERS): 0.63

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The top of the vessel body is decorated with three sets of three short vertical applied ridges, while between the applied ridges are sets of three equally-spaced horizontal engraved lines. The remainder of the vessel body has three sets of engraved-applied elements divided by near vertical curvilinear zones and brackets filled with cross-hatched engraved lines; these have tick marks on them (Figure 188).

The engraved-applied elements that form the principal motif consist of four sets of near vertical and curvilinear engraved zones filled with cross-hatched lines; they also have tick marks on them (Figure 188). These sets are divided into two cross-hatched zones on either side of a set of three short vertical applied ridges near the vessel base.

PIGMENT USE AND LOCATION ON VESSEL: red pigment on engraved lines

TYPE [IF KNOWN]: Adair Engraved, *var. Adair* (Brown 1996:377); prior to the 1990s, this particular vessel would have been identified as Friendship Engraved (Suhm and Jelks 1962:Figure 23d)



**Figure 188. Adair Engraved, *var. Adair* bottle, Vessel 1498.**

PROVENIENCE: Upper levels of Md. B

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1500; 5425.2273

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Carinated bowl

RIM AND LIP FORM: direct rim and a rounded, exterior folded, lip

CORE COLOR: F (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: dark yellowish-brown

EXTERIOR SURFACE COLOR: dark yellowish-brown; fire clouds on the rim and base

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 4.8 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: burnished

HEIGHT (IN CM): 5.5

ORIFICE DIAMETER (IN CM): 17.2

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 15.0

BASE DIAMETER (IN CM): 15.0; circular and rounded base

ESTIMATED VOLUME (IN LITERS): 0.57

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): There are rows of diagonal tool punctations under the lip and at the carination point. The remainder of the rim has two engraved panels divided by vertical brackets filled with punctations. Each bracket divider has a single engraved rectangle element within it (Figure 189).

The panels have an interlocking horizontal scroll attached to the rim and carination point by two upper and lower excised brackets (Figure 189). There is a small cross-hatched engraved rectangle between each of the two sets of brackets. Finally, either end of the horizontal scroll is paralleled by a single straight to curvilinear engraved line that terminates before reaching the outer brackets.

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Handy Engraved



**Figure 189. Handy Engraved carinated bowl, Vessel 1500.**



PROVENIENCE: Upper levels of Md. B

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1501; 5425.2240

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Bottle with a straight neck

RIM AND LIP FORM: direct rim and a flat lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: dark grayish-brown

EXTERIOR SURFACE COLOR: dark grayish-brown

WALL THICKNESS (RIM, BODY, AND BASE IN MM):  
rim, 5.2 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 13.7

ORIFICE DIAMETER (IN CM): 4.4

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM):  
5.1; maximum body width is 10.0 cm

BASE DIAMETER (IN CM): 6.5; flat and circular base

ESTIMATED VOLUME (IN LITERS): 0.36

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The top of the vessel body is decorated with three equally-spaced horizontal engraved lines. The rest of the body is divided into semi-circular panels with vertical bracket dividers (Figure 190). The brackets have within them small oval-shaped elements and a central excised rectilinear element.

The panels consist of large concentric semi-circles centrally bisected by upper and lower engraved and excised triangles whose apexes touch (Figure 190). To either side of the triangle elements are opposed triangles set on their sides, with their apexes pointing to each other. These triangle elements in the panel have interior engraved and excised triangles with a central small circle as well.

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Unidentified fine ware



**Figure 190. Engraved bottle of unknown type, Vessel 1501.**

PROVENIENCE: Upper levels of Md. B

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1503; 5425.2467

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Bottle with a short neck

RIM AND LIP FORM: direct rim and a rounded lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: black

EXTERIOR SURFACE COLOR: black

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 3.8 mm; body, 5.4 mm; base, 7.7 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 11.7

ORIFICE DIAMETER (IN CM): 4.1

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 3.8

BASE DIAMETER (IN CM): 5.7

ESTIMATED VOLUME (IN LITERS): 0.27

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The vessel body apparently has four panels divided by sets of three vertical engraved lines. The panel has two tiers of concentric circles enclosed within a larger oval-shaped element. The oval-shaped element and the outer circles are filled with a punctated-filled zone (Figure 191).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: cf. Handy Engraved



**Figure 191. cf. Handy Engraved bottle, Vessel 1503.**

PROVENIENCE: Upper levels of Md. B

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1504; 5425.2252

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Jar with two opposed strap handles (Figure 192)

RIM AND LIP FORM: everted rim and a rounded lip

CORE COLOR: G (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: very dark grayish-brown

EXTERIOR SURFACE COLOR: yellowish-brown

WALL THICKNESS (RIM, BODY, AND BASE IN MM):  
rim, 7.6 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: none

HEIGHT (IN CM): 15.1

ORIFICE DIAMETER (IN CM): 13.0

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 12.6

BASE DIAMETER (IN CM): 8.0; flat and circular base

ESTIMATED VOLUME (IN LITERS): 1.2

DECORATION (INCLUDING MOTIF AND ELEMENTS

WHEN APPARENT): The rim has three rows of tool punctations, one under the lip, another at the mid-rim, and the third at the rim-body juncture. The areas between the punctated rows are filled with diagonal lines pitched in opposite directions (Figure 192).

The vessel body has four large applied fillet semi-circles filled with concentric incised circles. At the center of these concentric circles is a large applied node. Below the semi-circle fillets are a series of curvilinear incised lines that extend to the vessel base (Figure 192).

The square strap handles on this vessel are also decorated (Figure 192). The outside of each handle has an applied fillet square, two concentric incised circles, and a central applied node within the smaller concentric circle.

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Haley Complicated Incised



**Figure 192. Haley Complicated Incised jar, Vessel 1504.**

PROVENIENCE: Upper levels of Md. B

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1505; 5425.2250

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Jar

RIM AND LIP FORM: everted rim and a rounded lip

CORE COLOR: G (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: dark grayish-brown

EXTERIOR SURFACE COLOR: yellowish-brown; fire clouding on the vessel body

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 6.3 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: none

HEIGHT (IN CM): 16.9

ORIFICE DIAMETER (IN CM): 13.0

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 10.7

BASE DIAMETER (IN CM): 8.0; flat and circular base

ESTIMATED VOLUME (IN LITERS): 2.0

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The vessel body is decorated with three incised panels, and there are two rows of punctations on the body: at the rim-body juncture and just above the base. The incised panels are filled with a series of curvilinear to near vertical lines. The panels are divided from each other by a series of vertical incised lines (Figure 193).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Unidentified utility ware



**Figure 193. Incised-punctated jar, Vessel 1505.**

PROVENIENCE: Upper levels of Md. B

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1506; 5425.2277

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Compound bowl with two opposed strap handles (Figure 194)

RIM AND LIP FORM: everted rim and a flat lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: black

EXTERIOR SURFACE COLOR: black

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 6.3 mm

INTERIOR SURFACE TREATMENT: burnished

EXTERIOR SURFACE TREATMENT: burnished

HEIGHT (IN CM): 8.2

ORIFICE DIAMETER (IN CM): 12.2

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM):  
9.6

BASE DIAMETER (IN CM): 7.2; flat and circular base

ESTIMATED VOLUME (IN LITERS): 0.8

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The upper rim panel has three equally-spaced horizontal engraved lines. The lower rim panel has two sub-panels with engraved or excised concentric semi-circles around a centrally-placed applied node (Figure 194). The sub-panel dividers are excised and engraved brackets with a central rectangular excised area. At the base of the lower rim panel is a row of small triangular tool punctations that extends around the vessel, as well as three sets of short vertical engraved lines under the strap handles.

Both strap handles are decorated. The two outside edges of the rectangular-shaped handles have vertical applied fillets, and the handles' centers have a large applied node. This node has an engraved semi-circle around it (with spurs or tick marks), and a hatched engraved area below it.

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Handy Engraved



**Figure 194. Handy Engraved compound bowl, Vessel 1506.**

PROVENIENCE: Upper levels of Md. B

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1509; 5425.2247

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Jar

RIM AND LIP FORM: everted rim and rounded lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: black

EXTERIOR SURFACE COLOR: dark grayish-brown

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 3.8 mm

INTERIOR SURFACE TREATMENT: smoothed on the rim

EXTERIOR SURFACE TREATMENT: none

HEIGHT (IN CM): 9.5

ORIFICE DIAMETER (IN CM): 8.8

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 8.4

BASE DIAMETER (IN CM): 6.8; flat and circular base

ESTIMATED VOLUME (IN LITERS): 0.5

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The rim is decorated with four sets of five rectilinear incised lines repeated around the vessel. The vessel body has a series of incised scroll zones separated by curvilinear zones filled with very closely-spaced punctates (Figure 195); the punctates are so closely-spaced they resemble dentate or rocker stamping (cf. Suhm and Jelks 1962:107).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Military Road Incised



**Figure 195. Military Road Incised jar, Vessel 1509.**

PROVENIENCE: Upper levels of Md. B

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1510; 5425.2241

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Jar with two opposed strap handles (Figure 196)

RIM AND LIP FORM: everted rim and rounded lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: dark grayish-brown

EXTERIOR SURFACE COLOR: dark grayish-brown

WALL THICKNESS (RIM, BODY, AND BASE IN MM):  
rim, 5.8 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: none

HEIGHT (IN CM): 9.0

ORIFICE DIAMETER (IN CM): 9.0

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 7.8

BASE DIAMETER (IN CM): 5.7; flat and circular base

ESTIMATED VOLUME (IN LITERS): 0.5

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The vessel rim is decorated with two rows of punctations, one row under the lip and the second at the mid-rim. The remainder of the rim is filled with diagonal incised lines pitched in opposing directions (Figure 196).

The vessel body is filled with irregular-shaped and positioned triangles filled with incised lines pitched diagonally, horizontally, vertically, and in opposed diagonals (Figure 196). These extend to near the vessel base.

Both strap handles are decorated. The outside edges of the handles have vertical applied fillets, and there is an applied node at its center. The area surrounding the central applied node has a series of diagonal, horizontal, and vertical hatched lines.

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Unidentified utility ware, cf. Pease Brushed-Incised?



**Figure 196. Possible Pease Brushed-Incised jar, Vessel 1510.**

PROVENIENCE: Upper levels of Md. B

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1512; 5425.2287

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Jar

RIM AND LIP FORM: everted rim and rounded lip

CORE COLOR: G (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: dark grayish-brown

EXTERIOR SURFACE COLOR: reddish-brown

WALL THICKNESS (RIM, BODY, AND BASE IN MM):  
rim, 7.1 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: none

HEIGHT (IN CM): 18.5

ORIFICE DIAMETER (IN CM): 18.2

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 16.4

BASE DIAMETER (IN CM): 7.2; flat and circular base

ESTIMATED VOLUME (IN LITERS): 3.0

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The rim is decorated with two horizontal incised lines near the lip, as well as a series of diagonal opposed lines (Figure 197).

At the top of the vessel body are two rows of tool punctations. Below this are eight incised panels formed by sets of two to five vertical incised lines (Figure 197). Inside the panels are hatched triangles (one or two per panel) and sets (one or two per panel) of diagonal incised lines. Diagonal rows of tool punctations were added last, as they overlie and bisect the incised panels and dividers.

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: cf. Pease Brushed-Incised



**Figure 197. cf. Pease Brushed-Incised jar, Vessel 1512.**



PROVENIENCE: upper levels of Mound B

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1523; 5425.2272

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Carinated bowl

RIM AND LIP FORM: everted rim and a rounded lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: black

EXTERIOR SURFACE COLOR: very dark grayish-brown;  
fire clouding on the body

WALL THICKNESS (RIM, BODY, AND BASE IN MM):  
rim, 5.4 mm; body, 7.9 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 4.8

ORIFICE DIAMETER (IN CM): 16.3

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 15.1

BASE DIAMETER (IN CM): 15.1; circular and rounded base

ESTIMATED VOLUME (IN LITERS): 0.47

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The rim has two rows of tool punctations, one under the lip and the other at the carination. The remainder of the rim is divided into two engraved panels with sets of three vertical engraved lines as vertical dividers; within the divider is a single vertically-oriented rectangle (Figure 198).

The panels themselves have an interlocking horizontal scroll filled with punctations; there are three bracket attachments (two upper and one lower) to the scroll filled with hatched lines (Figure 198). Around each end of the horizontal scroll is a single straight to curvilinear engraved line. There is a horizontal engraved rectangle between the two upper brackets.

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Handy Engraved



**Figure 198. Handy Engraved carinated bowl, Vessel 1523.**

PROVENIENCE: Upper levels of Md. B

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1524; 5425.2274

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Carinated bowl

RIM AND LIP FORM: direct rim and a rounded, exterior folded, lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: dark grayish-brown

EXTERIOR SURFACE COLOR: dark grayish-brown

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 5.6 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: burnished

HEIGHT (IN CM): 5.6

ORIFICE DIAMETER (IN CM): 16.7

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 15.4

BASE DIAMETER (IN CM): 15.4; circular and rounded base

ESTIMATED VOLUME (IN LITERS): 0.56

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The rim has two rows of diagonal tool punctations, one under the exterior folded lip and the other at the vessel carination. The remainder of the vessel has two engraved panels and dividers (Figure 199).

The panels have an interlocking horizontal engraved scroll; the scroll is a narrow zone filled with punctations. There are three punctate-filled upper or lower engraved bracket attachments (Figure 199). Between the brackets are small upper and low rectangles. Finally, around the ends of each scroll is a single straight to curvilinear engraved line that extends from bracket to bracket.

The panel dividers are comprised of two opposed and punctated-filled vertical brackets, with an open area between. This open area has a single vertically-oriented engraved rectangle.

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Handy Engraved



**Figure 199. Handy Engraved carinated bowl, Vessel 1524.**

PROVENIENCE: Upper levels of Md. B

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1525; 5425.2271

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Carinated bowl

RIM AND LIP FORM: direct rim and a rounded, exterior folded lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: black

EXTERIOR SURFACE COLOR: black

WALL THICKNESS (RIM, BODY, AND BASE IN MM):  
rim, 7.0 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: burnished

HEIGHT (IN CM): 5.1

ORIFICE DIAMETER (IN CM): 14.3

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 14.1

BASE DIAMETER (IN CM): 14.1; circular and rounded base

ESTIMATED VOLUME (IN LITERS): 0.44

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The rim has two rows of tool punctations, one under the exterior folded lip and the other (with triangular tool punctations) at the vessel carination. The remainder of the vessel has two engraved panels and dividers (Figure 200).

The panels have an interlocking horizontal engraved scroll; the scroll is a narrow zone filled with punctations (Figure 200). There is only one excised and punctate-filled upper engraved bracket attachment per panel. Around the ends of the scroll is a single straight to curvilinear engraved line that extends from the bracket to the opposite side of the scroll.

The panel dividers are comprised of two opposed and punctated-filled vertical brackets, with an open area between. This open area has a single vertically-oriented engraved rectangle (Figure 200).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Handy Engraved



**Figure 200. Handy Engraved carinated bowl, Vessel 1525.**

PROVENIENCE: Upper levels of Md. B

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1526; 5425.2286

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Jar

RIM AND LIP FORM: everted rim and rounded lip

CORE COLOR: G (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: black; organic residues

EXTERIOR SURFACE COLOR: dark yellowish-brown

WALL THICKNESS (RIM, BODY, AND BASE IN MM):  
rim; 8.4 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: none

HEIGHT (IN CM): 15.3

ORIFICE DIAMETER (IN CM): 15.3

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM):  
13.9

BASE DIAMETER (IN CM): 6.6; flat and circular base

ESTIMATED VOLUME (IN LITERS): 1.4

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The rim of the vessel is decorated with horizontal brushing marks. The vessel body has four sets of concentric incised circles that are bisected by discontinuous segments of applied fillets (Figure 201). The lower interstices between the incised concentric circles are filled with tool punctations.

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Unidentified utility ware



**Figure 201. Brushed-incised-punctated jar, Vessel 1526.**

PROVENIENCE: Upper levels of Md. B

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1527; 5425.2283

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Bottle with a tapered neck

RIM AND LIP FORM: direct rim and a rounded lip

CORE COLOR: G (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: black

EXTERIOR SURFACE COLOR: red

WALL THICKNESS (RIM, BODY, AND BASE IN MM):  
rim, 3.6 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 17.1

ORIFICE DIAMETER (IN CM): 3.3

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 6.1; maximum body width is 13.2 cm

BASE DIAMETER (IN CM): 7.0; circular and rounded base

ESTIMATED VOLUME (IN LITERS): 0.5

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The vessel is decorated with a red slip on its exterior surface (Figure 202).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Sanders Plain (Brown 1996:401)



**Figure 202. Sanders Plain bottle, Vessel 1527.**

PROVENIENCE: Upper levels of Md. B

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1528; 5425.2343

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Bottle with a globular body and a flaring neck

RIM AND LIP FORM: everted rim and a rounded lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: black

EXTERIOR SURFACE COLOR: black

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 4.6 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 21.8

ORIFICE DIAMETER (IN CM): 4.8

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM):  
4.3; maximum body width is 15.2 cm

BASE DIAMETER (IN CM): 7.5; flat and circular base

ESTIMATED VOLUME (IN LITERS): 0.65



**Figure 203. Hatchel Engraved bottle, Vessel 1528.**

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): There are two equally-spaced horizontal engraved lines at the top of the vessel body as well as near the base. Between these lines are two panels filled with two concentric oval-shaped elements that are connected by a central series of short horizontal engraved lines (Figure 203). The outer concentric line for each oval has tick marks on it. One of the two oval-shaped engraved elements in each panel is plain within. One decorated oval has a single curvilinear engraved line bisecting it, while the remaining decorated oval has a series of concentric semi-circles within it, with excised triangles within the innermost semi-circle, and another semi-circle has tick marks on it.

The dividers between the panels are either a vertical engraved bracket or a vertical column (Figure 203). Within the bracket-shaped divider are a short series of horizontal engraved lines, and the outer lines of the bracket have short sections of tick marks. The vertical column divider has tick marks down part of one outer line, while the column itself is divided in half by two nearly vertical engraved lines. These inner lines are connected to the column's outer lines by three short sections of horizontal engraved lines.

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Hatchel Engraved

***Md. D***

PROVENIENCE: Md. D, Pit 1

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1296; 5425.2297. Vessels 1296-1329 are associated funerary vessels from this pit.

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Large jar

RIM AND LIP FORM: everted rim and rounded lip

CORE COLOR: G (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: dark grayish-brown

EXTERIOR SURFACE COLOR: dark yellowish-brown; fire clouds on the upper body and rim

WALL THICKNESS (RIM, BODY, AND BASE IN MM):  
rim, 7.6 mm

INTERIOR SURFACE TREATMENT: smoothed on the rim

EXTERIOR SURFACE TREATMENT: none

HEIGHT (IN CM): 25.2

ORIFICE DIAMETER (IN CM): 14.7

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 13.7

BASE DIAMETER (IN CM): 8.2; flat base

ESTIMATED VOLUME (IN LITERS): 4.8

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The rim has horizontal brushing marks, while there are opposed brushing marks on the body that extend to within 4.5 cm of the vessel base (Figure 204).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Unidentified utility ware



**Figure 204. Brushed jar, Vessel 1296.**

PROVENIENCE: Md. D, Pit 1

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1297; 5425.2301A

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Carinated bowl

RIM AND LIP FORM: direct rim and a rounded lip

CORE COLOR: F (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: dark yellowish-brown

EXTERIOR SURFACE COLOR: dark yellowish-brown

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 7.3 mm; body, 6.2 mm

INTERIOR SURFACE TREATMENT: burnished

EXTERIOR SURFACE TREATMENT: burnished

HEIGHT (IN CM): 9.5

ORIFICE DIAMETER (IN CM): 27.0

DIAMETER AT BOTTOM OF RIM OR NECK  
(IN CM): 27.2

BASE DIAMETER (IN CM): 12.8; rounded base

ESTIMATED VOLUME (IN LITERS): 1.5

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The rim has two rows of punctations, one under the lip and the other at the vessel carination. Midway between these two rows of punctations is a central horizontal engraved line that encircles the vessel with small tick marks (Figure 205). The remainder of the rim below the central engraved and ticked element is divided into panels: some panels have two zones of hatched lines; others have two vertical zones of hatching on either side of an engraved rectangle; and other panels have a horizontal and curvilinear engraved line with tick marks.

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Handy Engraved



**Figure 205. Handy Engraved carinated bowl, Vessel 1297.**



PROVENIENCE: Md. D, Pit 1

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1298; 5425.2304

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Compound bowl with handles (Figure 206a-b)

RIM AND LIP FORM: everted rim and a rounded lip

CORE COLOR: F (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: dark yellowish-brown

EXTERIOR SURFACE COLOR: dark yellowish-brown

WALL THICKNESS (RIM, BODY, AND BASE IN MM):  
rim, 6.0 mm; body, 6.7 mm; base, 10.0 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: burnished

HEIGHT (IN CM): N/A

ORIFICE DIAMETER (IN CM): N/A

DIAMETER AT BOTTOM OF RIM OR NECK  
(IN CM): N/A

BASE DIAMETER (IN CM): 11.1

ESTIMATED VOLUME (IN LITERS): N/A

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The upper rim panel has a row of punctations under the vessel lip, and two broadly-spaced horizontal engraved lines. The lower rim panel has a hatched scroll with a central hatched semi-circle, repeated four times (Figure 206a). There is a large applied node within the central semi-circles.

The vessel handles are also decorated with engraved and applied elements. They have vertical engraved dividers next to vertical hatched zones, and a single applied node near the center of the handle itself (Figure 206b).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Handy Engraved



a



b

**Figure 206. Handy Engraved compound bowl, Vessel 1298: a, rim panel; b, handle.**

PROVENIENCE: Md. D, Pit 1

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1299; 5425.2292

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Jar with a short rim

RIM AND LIP FORM: everted rim with a flat lip

CORE COLOR: F (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: yellowish-brown

EXTERIOR SURFACE COLOR: dark yellowish-brown; fire clouding on the upper body and rim

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 3.9 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: none

HEIGHT (IN CM): 19.0

ORIFICE DIAMETER (IN CM): 11.8

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 10.3

BASE DIAMETER (IN CM): 6.4; flat and circular base

ESTIMATED VOLUME (IN LITERS): 2.0

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The vessel rim has a single row of diagonal punctations just below the lip, and the remainder of the rim has horizontal brushing marks. The body is vertically brushed (to within 3.1 cm of the base), and divided into panels by 14 vertical rows of applied nodes (Figure 207). Each vertical row has either nine or 10 individual nodes.

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Unidentified utility ware; cf. Pease Brushed-Incised



**Figure 207. cf. Pease Brushed-Incised jar, Vessel 1299.**

PROVENIENCE: Md. D, Pit 1

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1300; 5425.2295

NON-PLASTICS AND PASTE: grog and <5% bone inclusions

VESSEL FORM: Jar with two opposed strap handles (Figure 208)

RIM AND LIP FORM: Everted rim and a rounded lip

CORE COLOR: G (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: grayish-brown

EXTERIOR SURFACE COLOR: dark yellowish-brown; fire clouding on the rim and body

WALL THICKNESS (RIM, BODY, AND BASE IN MM):  
rim, 6.0 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: smoothed on the  
lower body

HEIGHT (IN CM): 20.2

ORIFICE DIAMETER (IN CM): 16.9

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM):  
14.3

BASE DIAMETER (IN CM): 9.0; flat and circular base

ESTIMATED VOLUME (IN LITERS): 3.1



**Figure 208. Haley Complicated Incised jar, Vessel 1300.**

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The rim has two rows of punctations, one under the lip and the other at the rim-body juncture. The remainder of the rim has horizontal brushing marks, and repeated cross-hatched elements incised over the brushing (Figure 208). The vessel body has four panels formed by semi-circular applied fillets; each panel is filled with circular brushing marks and a centrally placed applied node with small punctated circles. Underneath the semi-circular applied fillet panels is an area of diagonal brushing that extends nearly to the vessel base.

The handles have curved applied fillets on each outer edge, and the remainder of the handle is filled with circular brushing marks (Figure 208). At the center of each handle is a small applied node with small circular punctates pushed in it.

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Haley Complicated Incised

PROVENIENCE: Md. D, Pit 1

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1301; 5425.2298

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Jar with two opposed handles (Figure 209)

RIM AND LIP FORM: everted rim and a rounded lip

CORE COLOR: F (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: dark yellowish-brown

EXTERIOR SURFACE COLOR: dark yellowish-brown; fire clouding

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 5.9 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: none

HEIGHT (IN CM): 12.0

ORIFICE DIAMETER (IN CM): 10.2

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 9.1

BASE DIAMETER (IN CM): 7.3; flat and circular base

ESTIMATED VOLUME (IN LITERS): 0.73

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The rim has horizontal brushing marks on it. There are also four vertical applied fillets that begin at the lip or the strap handle, and extend nearly to the vessel base. These fillets divide the body into panels filled with opposed brushing marks that extend to the vessel base (Figure 209).

The handles have a single vertical applied fillet that runs across the handle and continues to near the vessel base. The outer edges of the handles also have notching marks.

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: cf. Pease Brushed-Incised



**Figure 209. cf. Pease Brushed-Incised jar, Vessel 1301.**

PROVENIENCE: Md. D, Pit 1

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1302

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Bottle

RIM AND LIP FORM: direct rim and a flat lip

CORE COLOR: F (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: yellowish-brown

EXTERIOR SURFACE COLOR: yellowish-brown

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 4.7 mm; body, 5.9 mm; base, 10.4 mm

INTERIOR SURFACE TREATMENT: smoothed on the neck

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): N/A

ORIFICE DIAMETER (IN CM): 5.5

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 5.9

BASE DIAMETER (IN CM): N/A

ESTIMATED VOLUME (IN LITERS): N/A

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): Plain

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Unidentified plain ware

PROVENIENCE: Md. D, Pit 1

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1304; 5425.2307

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Carinated bowl

RIM AND LIP FORM: Everted rim and a rounded lip

CORE COLOR: G (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: dark brown

EXTERIOR SURFACE COLOR: yellow to orangish-brown; fire clouding

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 6.1 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: burnished

HEIGHT (IN CM): 4.5

ORIFICE DIAMETER (IN CM): 20.2

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 19.3

BASE DIAMETER (IN CM): 18.2; rounded and circular base

ESTIMATED VOLUME (IN LITERS): 0.54

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The rim panel has rows of diagonal to vertical punctates under the lip and along the vessel carination. Between these punctated rows are two large engraved panels divided by rectangles; these rectangles have a smaller centrally-spaced rectangle within them (Figure 210). The panels themselves consist of interlocking horizontal scrolls defined by hatched zones. The scrolls are partially encircled by single horizontal and curvilinear lines at either end of the horizontal scroll. There are also upper and lower rectangles associated with the horizontal scroll element, and each has a small horizontally-oriented rectangle centered within it.

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Handy Engraved



**Figure 210. Handy Engraved carinated bowl, Vessel 1304.**

PROVENIENCE: Md. D, Pit 1

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1305; 5425.2302

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Effigy bowl (of a fish, perhaps a paddlefish) with opposed suspension holes (Figure 211a-b) and lip tab tails

RIM AND LIP FORM: inverted rim and rounded lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: dark brown

EXTERIOR SURFACE COLOR: dark brown

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 5.6 mm

INTERIOR SURFACE TREATMENT: smoothed on the rim

EXTERIOR SURFACE TREATMENT: burnished

HEIGHT (IN CM): 7.0

ORIFICE DIAMETER (IN CM): 9.8

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): N/A

BASE DIAMETER (IN CM): 11.0; circular and rounded base

ESTIMATED VOLUME (IN LITERS): 0.27

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The sides of the effigy bowl have three horizontal engraved lines. There are four hatched pendant triangles on either side of the vessel (Figure 211a). There are two small applied nodes on either side of the rim. From the bottom of the rim are two semi-circular engraved lines that dip under the head and tail of the effigy.

Both the head and tail are decorated on their top surface with the same engraved decorative motif seen on the rest of the vessel, in addition to the suspension holes (Figure 211b). There are seven vertical engraved lines on the head and tail, and three of them have tick marks or small triangles on them. The central vertical engraved line (with tick marks or small triangles) is lined up with the suspension holes.

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Unidentified fine ware



**Figure 211. Engraved effigy bowl, Vessel 1305: a, side view; b, top down view of the effigy vessel.**

PROVENIENCE: Md. D, Pit 1

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1306; 5425.2294

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Jar with four opposing strap handles (Figure 212)

RIM AND LIP FORM: everted rim and a rounded lip

CORE COLOR: G (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: dark grayish-brown

EXTERIOR SURFACE COLOR: dark yellowish-brown; fire clouding on the upper body

WALL THICKNESS (RIM, BODY, AND BASE IN MM):  
rim, 6.5 mm

INTERIOR SURFACE TREATMENT: smoothed on the rim

EXTERIOR SURFACE TREATMENT: none

HEIGHT (IN CM): 16.6

ORIFICE DIAMETER (IN CM): 16.8

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM):  
13.7

BASE DIAMETER (IN CM): 7.6; flat and circular base

ESTIMATED VOLUME (IN LITERS): 2.5

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT):

The rim has sets of diagonal opposed incised lines, with upper (i.e., below the lip) and lower (i.e., at the rim-body juncture) rows of tool punctations. The vessel body is divided into four panels by four sets of three vertical applied fillets (two of which line up with the outer applied fillets on the strap handles) that extend to within 3.5 cm of the vessel base (Figure 212). Inside the panels are opposed sets of brushed-incised marks and lines, which are overlain with two cross-hatched lines of tool punctates. There is a third row of tool punctates at the bottom of each of the panels.

The strap handles have three applied nodes at the top of the handles, and vertical applied fillets on opposing handle edges (Figure 212). In between these fillets are two diagonal rows of incised lines that frame a central vertical row of tool punctates.

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Pease Brushed-Incised



**Figure 212. Pease Brushed-Incised jar, Vessel 1306.**



PROVENIENCE: Md. D, Pit 1

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1307; 54215.2296

NON-PLASTICS AND PASTE: grog and a silty clay

VESSEL FORM: Bottle with a short neck

RIM AND LIP FORM: direct rim and a flat lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: dark grayish-brown

EXTERIOR SURFACE COLOR: dark grayish-brown

WALL THICKNESS (RIM, BODY, AND BASE IN MM): neck, 5.1 mm

INTERIOR SURFACE TREATMENT: smoothed on upper neck

EXTERIOR SURFACE TREATMENT: burnished

HEIGHT (IN CM): 17.3

ORIFICE DIAMETER (IN CM): 4.9

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 5.8

BASE DIAMETER (IN CM): 6.9; flat and circular base

ESTIMATED VOLUME (IN LITERS): 0.48

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The vessel body has three engraved panels divided by brackets filled with negative ovals and cross-hatched zones. In the panels are large engraved semi-circles, and within each of the semi-circles are smaller circles filled with three near vertical cross-hatched zones and a single near-vertical engraved line (Figure 213).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Hatchel Engraved



**Figure 213. Hatchel Engraved bottle, Vessel 1307.**

PROVENIENCE: Md. D, Pit 1

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1308; 5425.2291

NON-PLASTICS AND PASTE: grog and <5% bone

VESSEL FORM: Jar

RIM AND LIP FORM: everted rim and rounded lip

CORE COLOR: G (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: dark grayish-brown

EXTERIOR SURFACE COLOR: dark yellowish-brown;  
fire clouding on the upper body and rim

WALL THICKNESS (RIM, BODY, AND BASE IN MM):  
rim, 6.8 mm; body, 8.4 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: none

HEIGHT (IN CM): 29.3

ORIFICE DIAMETER (IN CM): 23.5

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 20.0

BASE DIAMETER (IN CM): 11.5; flat base

ESTIMATED VOLUME (IN LITERS): 9.0

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The rim has two rows of tool punctations, one under the lip and the other at the rim-body juncture. The remainder of the rim is filled in with horizontal brushed-incised lines. The body is divided into panels by four vertical applied fillets that reach to within 4.0 cm of the base. Each panel is filled with repeated chevron-shaped brushing marks (Figure 214).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Pease Brushed-Incised



**Figure 214. Pease Brushed-Incised jar, Vessel 1308.**

PROVENIENCE: Md. D, Pit 1

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1309; 5425.2190

NON-PLASTICS AND PASTE: grog

VESSEL FORM: carinated bowl

RIM AND LIP FORM: direct rim and a rounded, exterior folded lip

CORE COLOR: G (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: dark grayish-brown

EXTERIOR SURFACE COLOR: yellowish-brown; fire clouding

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 5.0 mm; body, 6.9 mm; base, 7.2 mm

INTERIOR SURFACE TREATMENT: burnished on the rim and smoothed on the body

EXTERIOR SURFACE TREATMENT: burnished

HEIGHT (IN CM): 5.5

ORIFICE DIAMETER (IN CM): 19.8

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 18.1

BASE DIAMETER (IN CM): N/A; rounded base

ESTIMATED VOLUME (IN LITERS): 0.65



**Figure 215. Handy Engraved carinated bowl, Vessel 1309.**

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The rim is divided into two engraved panels with punctated rows at the top and bottom (at the vessel carination) of the rim. Each panel is separated from the other by hatched dividers, and there are vertically-oriented rectangle elements adjacent to the dividers. Within the panels is an interlocking horizontal scroll formed by narrow engraved zones filled with punctations (Figure 215). There are two short brackets filled with punctations at the top and bottom of the horizontal scroll, and these create upper and lower rectangular scroll fill zones with a rectangular element in the zones. At each end of the horizontal scroll element are two curvilinear lines that partially encircle the scroll element.

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Handy Engraved

PROVENIENCE: Md. D, Pit 1

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1310; 5425.2194

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Bottle with a short neck

RIM AND LIP FORM: direct rim and a rounded lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: dark brown

EXTERIOR SURFACE COLOR: dark brown; fire clouding on the vessel body

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 4.1 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: burnished

HEIGHT (IN CM): 17.5

ORIFICE DIAMETER (IN CM): 5.1

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 5.8; maximum body width is 15.4 cm

BASE DIAMETER (IN CM): 7.0; flat and circular base

ESTIMATED VOLUME (IN LITERS): 0.49

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The bottle neck is plain. There are three horizontal engraved lines at the top of the vessel body, and three different engraved and punctated body panels (Figure 216).

The first body panel has two narrow vertical zones filled with punctations, and these are divided by a single vertical engraved line.

The second panel has two tiers of decoration, the upper with two narrow vertical engraved zones filled with punctations, attached to a rectilinear engraved zone filled with punctations and a single curvilinear engraved line. There is also a curvilinear engraved line above a curvilinear engraved zone filled with punctations, and this zone rests atop a small engraved circle. The lower tier in the second panel has a central engraved semi-circle, with two vertical engraved zones on either side filled with punctations. There is one

large engraved triangle that is pendant from the horizontal engraved zone that divides the tiers; the latter is partially filled with punctations.

The third and last panel also has two tiers, with a partially punctated-filled horizontal engraved zone dividing the two tiers. The upper tier has vertical and curvilinear zones filled with punctations, as well as vertical and curvilinear engraved lines between the punctated-filled zones. The lower tier has a central double circle, the innermost a narrow zone filled with punctations (Figure 216). On either side of the central double circle are curvilinear engraved lines and triangle engraved zones filled with punctations.

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: cf. Handy Engraved



**Figure 216. cf. Handy Engraved bottle, Vessel 1310.**

PROVENIENCE: Md. D, Pit 1

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1311; 5425.2195

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Carinated bowl

RIM AND LIP FORM: direct rim and a rounded lip

CORE COLOR: F (fired in a reducing environment but cooled in the open air)

INTERIOR SURFACE COLOR: dark yellowish-brown; fire clouds on the rim

EXTERIOR SURFACE COLOR: dark yellowish-brown; fire clouds on the base

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 5.5 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 4.4

ORIFICE DIAMETER (IN CM): 7.7

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 7.1

BASE DIAMETER (IN CM): 5.5; circular and rounded base

ESTIMATED VOLUME (IN LITERS): 0.2

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The rim has two rows of tool punctations, one under the lip and the other at the carination. The remainder of the rim is divided into four panels by vertical cross-hatched zones (Figure 217). The panels have idiosyncratic hatched brackets, curvilinear lines, a poorly defined horizontal scroll with short hatched lines on it, and a rectangle element (probably part of the upper scroll fill zone) that has both hatched and cross-hatched areas.

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Unidentified fine ware; possibly a crude example of Handy Engraved



**Figure 217. Engraved carinated bowl of unidentified type, Vessel 1311.**

PROVENIENCE: Md. D, Pit 1

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1312; 5425.2353

NON-PLASTICS AND PASTE: no obvious temper

VESSEL FORM: Bowl with a five sprocket rim (cf. Miller 1986) (Figure 218a-b)

RIM AND LIP FORM: inverted rim and a rounded lip, with a flat sprocket (Figure 218b)

CORE COLOR: N/A

INTERIOR SURFACE COLOR: dark yellowish-brown; fire clouds on the body and rim

EXTERIOR SURFACE COLOR: dark yellowish-brown with fire clouds on the body and rim

WALL THICKNESS (RIM, BODY, AND BASE IN MM):  
rim, 8.9 mm

INTERIOR SURFACE TREATMENT: burnished

EXTERIOR SURFACE TREATMENT: burnished

HEIGHT (IN CM): 7.4

ORIFICE DIAMETER (IN CM): 35.8

DIAMETER AT BOTTOM OF RIM OR NECK  
(IN CM): 35.8

BASE DIAMETER (IN CM): 20.5; circular and rounded base

ESTIMATED VOLUME (IN LITERS): 1.1

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): In the vessel interior there is a single engraved line that encircles the vessel and follows the five sprockets (Figure 218b). A second engraved line is a circular element that encircles the base of the rim. There are vertical punctations or lip notches that cover the outer edge of the five sprockets (Figure 218a).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Unidentified fine ware



**Figure 218. Engraved bowl of unidentified type, Vessel 1312: a, side view, note punctations or notching; b, view of the vessel interior and sprockets.**

PROVENIENCE: Md. D, Pit 1

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1313; 5425.2178

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Jar with two opposed suspension holes (5.5 mm in diameter) below the vessel lip (Figure 219)

RIM AND LIP FORM: direct rim and a rounded lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: dark grayish-brown

EXTERIOR SURFACE COLOR: grayish-brown

WALL THICKNESS (RIM, BODY, AND BASE IN MM):  
rim, 5.2 mm

INTERIOR SURFACE TREATMENT: burnished on the  
rim

EXTERIOR SURFACE TREATMENT: burnished

HEIGHT (IN CM): 12.1

ORIFICE DIAMETER (IN CM): 8.3

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 8.2

BASE DIAMETER (IN CM): 5.0; circular and rounded base

ESTIMATED VOLUME (IN LITERS): 0.6

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The rim has five widely-spaced horizontal engraved lines on the rim. The vessel body has been divided into seven panels with three elements: a cross-hatched vertical divider; two sets of two vertical engraved lines; and two sets of vertical hatched zones with engraved spurs or large tick marks (Figure 219).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: cf. Haley Engraved



**Figure 219. cf. Haley Engraved jar, Vessel 1313.**



PROVENIENCE: Md. D., Pit 1

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1314; 5425.2196

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Carinated bowl

RIM AND LIP FORM: everted rim and a rounded, exterior folded lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: very dark grayish-brown

EXTERIOR SURFACE COLOR: very dark grayish-brown

WALL THICKNESS (RIM, BODY, AND BASE IN MM):  
rim, 4.6 mm

INTERIOR SURFACE TREATMENT: burnished

EXTERIOR SURFACE TREATMENT: burnished

HEIGHT (IN CM): 4.0

ORIFICE DIAMETER (IN CM): 12.3

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 11.4

BASE DIAMETER (IN CM): 11.4; circular and rounded base

ESTIMATED VOLUME (IN LITERS): 0.3

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The rim has two rows of diagonal tool punctations, one row under the lip and the other at the vessel carination. The remainder of the rim is divided into two engraved panels attached to upper and lower horizontal engraved lines, with vertical hatched brackets and a vertical rectangular element serving as elements comprising the two dividers (Figure 220). Within each panel is an engraved interlocking horizontal scroll, three attached excised brackets, one rectangle element between the two lower excised brackets, and two curvilinear engraved lines that encircle the ends of the scroll; they are also attached to the lower horizontal engraved line at the carination.

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Handy Engraved



**Figure 220. Handy Engraved carinated bowl, Vessel 1314.**

PROVENIENCE: Md. D, Pit 1

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1315; 5425.2199

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Bottle with a globular body and a short, straight, neck

RIM AND LIP FORM: direct rim and a flat lip

CORE COLOR: A (fired and cooled in a high oxygen or oxidizing environment)

INTERIOR SURFACE COLOR: dark yellowish-brown

EXTERIOR SURFACE COLOR: dark yellowish-brown

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 5.7 mm

INTERIOR SURFACE TREATMENT: smoothed on the upper neck

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 19.8

ORIFICE DIAMETER (IN CM): 5.4

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 5.6; maximum body width is 15.5 cm

BASE DIAMETER (IN CM): 8.8; flat and circular base

ESTIMATED VOLUME (IN LITERS): 0.7

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): There are three horizontal engraved lines at the top of the vessel body. The remainder of the body is divided into three panels, each with its own unique—although similar—engraved motif (Figure 221).

Panel 1 has a large cross-hatched semi-circle, as well as a thin hatched arcing zone. Within the large semi-circle are three progressively smaller circles: the outer has sets of hatched lines (along with a curvilinear hatched area pendant from its lower end); the middle circle has inward pointing tick marks; and the central circle has outward pointing tick marks.

The second panel also is defined by a large cross-hatched engraved semi-circle, within which there are three progressively smaller circles (Figure 221). The outer circle has a cross-hatched zone, the middle circle has sets of two or three closely-spaced hatched lines, while the innermost circle has inward-pointing tick marks. This inner circle also has horizontal and vertical intersecting zones with hatched lines.

Panel 3 has three adjacent semi-circles that define the panel. The outermost is cross-hatched; the central semi-circle has sets of three closely-spaced hatched lines; and the innermost semi-circle has a hatched zone as well as inward-pointing tick marks. There are only two circles within the set of semi-circles. The outermost circle is cross-hatched, while the innermost circle has inward-pointing tick marks.

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Haley Engraved



**Figure 221. Haley Engraved bottle, Vessel 1315.**

PROVENIENCE: Md. D, Pit 1

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1317; 5425.5958

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Carinated bowl

RIM AND LIP FORM: direct rim and a rounded, exterior folded lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: dark grayish-brown

EXTERIOR SURFACE COLOR: dark grayish-brown

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 5.2 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: burnished

HEIGHT (IN CM): 4.5

ORIFICE DIAMETER (IN CM): 13.5

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 12.4

BASE DIAMETER (IN CM): 7.9; circular and rounded base

ESTIMATED VOLUME (IN LITERS): 0.36

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The upper and lowermost parts of the rim have horizontal zones filled with hatched engraved lines. The remainder of the rim is divided into three panels by two near vertical hatched zones. The panel has a hatched interlocking horizontal scroll, around either end of which are single horizontal and curvilinear engraved lines (Figure 222).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Handy Engraved



**Figure 222. Handy Engraved carinated bowl, Vessel 1317.**

PROVENIENCE: Md. D, Pit 1

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1318; 5425.2203

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Bottle with a globular body and a short, straight, neck

RIM AND LIP FORM: direct rim with a rounded, exterior folded lip

CORE COLOR: G (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: dark grayish-brown

EXTERIOR SURFACE COLOR: dark yellowish-brown; fire clouding on the neck and body

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim,  
4.6 mm

INTERIOR SURFACE TREATMENT: smoothed on the upper  
neck

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 20.0

ORIFICE DIAMETER (IN CM): 5.7

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 6.2;  
maximum body width is 14.7 cm

BASE DIAMETER (IN CM): 8.2; flat and circular base

ESTIMATED VOLUME (IN LITERS): 0.66

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The vessel body has two engraved panels on it, the top and bottom of which are defined by three and two horizontal engraved lines, respectively. The topmost engraved line at the top of the vessel body also has downward-pointing tick marks.

The two panel dividers are comprised of vertical spurred zones divided into three rectangles, each with a single narrow vertical rectangle within each larger rectangle. The central element in the panel are a series of five concentric circles; the middle circle has a hatched zone with spurs (Figure 223). Similar hatched and spurred zones—although vertically oriented—are situated on either side of the concentric circles, followed by two sets of two nearly vertical engraved lines.

PIGMENT USE AND LOCATION ON VESSEL: white pigment in the engraved lines

TYPE [IF KNOWN]: Haley Engraved



**Figure 223. Haley Engraved bottle, Vessel 1318.**

PROVENIENCE: Md. D, Pit 1

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1319; 5425.2193

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Carinated bowl

RIM AND LIP FORM: everted rim and a rounded, exterior folded lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: dark grayish-brown

EXTERIOR SURFACE COLOR: dark grayish-brown

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 7.7 mm

INTERIOR SURFACE TREATMENT: burnished on the rim

EXTERIOR SURFACE TREATMENT: burnished

HEIGHT (IN CM): 5.5

ORIFICE DIAMETER (IN CM): 19.5

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 17.6

BASE DIAMETER (IN CM): 17.6; circular and rounded base

ESTIMATED VOLUME (IN LITERS): 0.64

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): There are two rows of punctations on the rim, one under the lip and the other at the carination. The remainder of the rim is divided into two panels by a hatched vertical bracket and a large vertically-oriented engraved rectangle (Figure 224). The panels themselves each have an interlocking horizontal scroll zone filled with hatched lines; there are two upper and two lower attached hatched brackets. The scroll element itself is partially encircled by single straight to curvilinear engraved lines.

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Handy Engraved



**Figure 224. Handy Engraved carinated bowl, Vessel 1319.**

PROVENIENCE: Md. D, Pit 1

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1320; 5425.2183

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Jar with two opposed suspension holes (Figure 225)

RIM AND LIP FORM: direct rim and a flat lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: dark brown to black

EXTERIOR SURFACE COLOR: dark brown to black

WALL THICKNESS (RIM, BODY, AND BASE IN MM):  
rim, 5.0 mm; body, 6.7 mm

INTERIOR SURFACE TREATMENT: burnished at the lip

EXTERIOR SURFACE TREATMENT: burnished

HEIGHT (IN CM): 14.0

ORIFICE DIAMETER (IN CM): 10.5

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 9.9; 12.0 cm maximum body width

BASE DIAMETER (IN CM): 8.4; circular and rounded base

ESTIMATED VOLUME (IN LITERS): 0.88

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The rim has five widely-spaced horizontal engraved lines on it. There are two additional horizontal lines on the upper body. The lowermost of these lines has 11 hatched engraved pendant triangles (Figure 225).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Hickory Engraved, *var. East* (Bohannon 1973:47)



**Figure 225. Hickory Engraved, *var. East* jar, Vessel 1320.**

PROVENIENCE: Md. D, Pit 1

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1321; 5425.2188

NON-PLASTICS AND PASTE: grog and bone

VESSEL FORM: Jar

RIM AND LIP FORM: everted rim and a rounded lip

CORE COLOR: G (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: dark grayish-brown

EXTERIOR SURFACE COLOR: yellowish-brown

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 7.9 mm

INTERIOR SURFACE TREATMENT: smoothed on the rim

EXTERIOR SURFACE TREATMENT: none

HEIGHT (IN CM): 16.2

ORIFICE DIAMETER (IN CM): 13.3

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 11.5

BASE DIAMETER (IN CM): 9.0; flat and circular base

ESTIMATED VOLUME (IN LITERS): 1.9

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The rim has horizontal brushing marks on it. The vessel body is divided into five panels by vertical applied fillets that extend to within 3.5 cm of the vessel base. Each panel is filled with opposed brushing marks (Figure 226).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Pease Brushed-Incised



**Figure 226. Pease Brushed-Incised jar, Vessel 1321.**



PROVENIENCE: Md. D, Pit 1

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1322; 5425.2185

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Carinated bowl

RIM AND LIP FORM: everted rim and a rounded, exterior folded lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: dark grayish-brown

EXTERIOR SURFACE COLOR: dark grayish-brown

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 6.0 mm

INTERIOR SURFACE TREATMENT: burnished on the rim

EXTERIOR SURFACE TREATMENT: burnished  
on the rim

HEIGHT (IN CM): 6.0

ORIFICE DIAMETER (IN CM): 17.5

DIAMETER AT BOTTOM OF RIM OR NECK  
(IN CM): 15.8

BASE DIAMETER (IN CM): 7.0; circular and  
rounded base

ESTIMATED VOLUME (IN LITERS): 0.63

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): There are rows of diagonal tool punctations under the vessel lip and at the carination. The remainder of the rim is divided into two large engraved panels by two sets of two vertical engraved lines and two sets of brackets filled with triangular tool punctations (Figure 227). Each panel has an interlocking horizontal scroll, with two upper and lower bracket attachments (also filled with triangular tool punctations). Partially encircling the scroll element are single straight engraved lines that extend from the upper to the lower bracket attachments.

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Handy Engraved



**Figure 227. Handy Engraved carinated bowl, Vessel 1322.**

PROVENIENCE: Md. D, Pit 1

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1323; 5425.2186

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Jar with four rim peaks and two opposed strap handles (Figure 228)

RIM AND LIP FORM: direct rim and a rounded lip

CORE COLOR: F (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: yellowish-brown

EXTERIOR SURFACE COLOR: yellowish-brown

WALL THICKNESS (RIM, BODY, AND BASE IN MM):  
rim, 4.1 mm

INTERIOR SURFACE TREATMENT: smoothed on the rim

EXTERIOR SURFACE TREATMENT: none

HEIGHT (IN CM): 15.0

ORIFICE DIAMETER (IN CM): 10.5

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 9.0

BASE DIAMETER (IN CM): 6.1; flat and circular base

ESTIMATED VOLUME (IN LITERS): 0.95

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The rim has horizontal brushing marks, along with three horizontal rows of tool punctations: one row below the lip, another at the rim-body juncture, and a third centrally placed on the rim. The vessel body is decorated with four sets of applied fillets shaped into chevrons that extend near the base; each applied chevron has six separate applied fillets (Figure 228).

The two strap handles are also decorated. They each have five vertical applied fillets that run across them.

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Unidentified utility ware



**Figure 228. Brushed-punctated-applied jar, Vessel 1323.**

PROVENIENCE: Md. D, Pit 1

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1325; 5425.2205

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Jar with a short rim (Figure 229)

RIM AND LIP FORM: everted rim and a rounded lip

CORE COLOR: F (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: yellowish-brown

EXTERIOR SURFACE COLOR: yellowish-brown; fire clouding on the upper body and rim

WALL THICKNESS (RIM, BODY, AND BASE IN MM):  
rim, 5.3 mm

INTERIOR SURFACE TREATMENT: smoothed on the rim

EXTERIOR SURFACE TREATMENT: none

HEIGHT (IN CM): 21.8

ORIFICE DIAMETER (IN CM): 13.5

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM):  
12.5

BASE DIAMETER (IN CM): 8.5; flat and circular base

ESTIMATED VOLUME (IN LITERS): 2.6

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The rim has five panels created by five sets of vertical applied fillets. Between the fillets are 5-7 horizontal incised lines. The vessel body is divided into five panels by vertical applied fillets that extend to within 2.5 cm of the base. In the central part of each panel are sets of three closely-spaced horizontal incised lines. The remainder of each of the panels is filled with opposed incised lines (Figure 229).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Pease Brushed-Incised



**Figure 229. Pease Brushed-Incised jar, Vessel 1325.**

PROVENIENCE: Md. D, Pit 1

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1326; 5425.2197

NON-PLASTICS AND PASTE: bone

VESSEL FORM: Carinated bowl with two opposed strap handles (Figure 230)

RIM AND LIP FORM: everted rim and a rounded, exterior folded lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: black

EXTERIOR SURFACE COLOR: black

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 6.7 mm

INTERIOR SURFACE TREATMENT: burnished on the rim

EXTERIOR SURFACE TREATMENT: burnished

HEIGHT (IN CM): 5.5

ORIFICE DIAMETER (IN CM): 11.8

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 12.0

BASE DIAMETER (IN CM): 6.5; flat and circular base

ESTIMATED VOLUME (IN LITERS): 0.39

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The rim has single rows of tool punctations, one under the lip and the other at the vessel carination. The remainder of the rim is divided into four panels (Figure 230). The panels have oval and rectangular sub-panels created by hatched bracket dividers: two of the sub-panels are empty, and two others have a circle engraved element as well as a single engraved scroll line.

The strap handles on this vessel are also decorated. They have a single central applied node and applied ridges on either end of the handle itself (Figure 230).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Handy Engraved



**Figure 230. Handy Engraved carinated bowl, Vessel 1326.**

PROVENIENCE: Md. D, Pit 1

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1529; 5425.2344

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Jar with two opposed strap handles (3.7 x 2.7 cm in length and width) (Figure 231)

RIM AND LIP FORM: everted rim and a flat lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: grayish-brown

EXTERIOR SURFACE COLOR: grayish-brown

WALL THICKNESS (RIM, BODY, AND BASE IN MM):  
rim, 4.9 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: none

HEIGHT (IN CM): 9.0

ORIFICE DIAMETER (IN CM): 8.5

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 8.0

BASE DIAMETER (IN CM): 6.2; flat and circular base

ESTIMATED VOLUME (IN LITERS): 0.46

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The rim is decorated with opposed diagonal incised lines pitched in opposite directions. Down the middle of these sets of incised lines are two horizontal rows of tool punctations (Figure 231).

The vessel body is divided into two broad panels by vertical applied fillets, both beginning immediately under the two strap handles. The panels have incised triangles oriented in several different directions around centrally-placed applied nodes, two to a panel (Figure 231).

The rectangular-shaped handles have raised edges, two of which have punctations on them. The central decorative element is a large (1.1 cm in diameter) applied node (Figure 231). To either side of the applied nodes are two short rectilinear engraved elements.

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: cf. Pease Brushed-Incised



**Figure 231. cf. Pease Brushed-Incised jar, Vessel 1529.**

PROVENIENCE: Md. D, Pit 2

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1330; 5425.2181. Vessels 1330-1343 were associated funerary vessels in Pit 2, Mound D.

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Compound bowl with two opposed strap handles (Figure 232)

RIM AND LIP FORM: everted rim and rounded lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: dark grayish-brown

EXTERIOR SURFACE COLOR: dark grayish-brown

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 4.9 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: burnished

HEIGHT (IN CM): 6.3

ORIFICE DIAMETER (IN CM): 16.8

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 14.8

BASE DIAMETER (IN CM): 6.6; flat and circular base

ESTIMATED VOLUME (IN LITERS): 0.85

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The rim has a single row of tool punctates below the lip on the upper panel. The remainder of the upper panel has two broadly-spaced horizontal engraved lines. The lower panel is divided into sub-panels by the two opposed strap handles. The sub-panels have hatched scroll and semi-circle motifs with applied nodes at the heart of each semi-circle (Figure 232).

The two strap handles on the vessel are also decorated. The center of each handle has a large applied node (Figure 232). The four outer edges have rectangular engraved zones filled with tool punctations.

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Handy Engraved



**Figure 232. Handy Engraved compound bowl, Vessel 1330.**

PROVENIENCE: Md. D, Pit 2

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1331; 5425.2180

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Jar

RIM AND LIP FORM: direct rim and rounded, exterior folded lip

CORE COLOR: G (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: dark grayish-brown

EXTERIOR SURFACE COLOR: yellowish-red and brown

WALL THICKNESS (RIM, BODY, AND BASE IN MM):  
rim, 5.2 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: smoothed on lower  
body

HEIGHT (IN CM): 12.5

ORIFICE DIAMETER (IN CM): 10.8

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 9.4

BASE DIAMETER (IN CM): 6.3; flat and circular base

ESTIMATED VOLUME (IN LITERS): 0.8

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The rim has horizontal brushing marks and a row of tool punctates at the rim-body juncture. The vessel body is divided into five panels by vertical applied fillets that extend to within 2.0 cm of the vessel base. Each panel is filled with opposed brushing marks (Figure 233).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Pease Brushed-Incised



**Figure 233. Pease Brushed-Incised jar, Vessel 1331.**

PROVENIENCE: Md. D, Pit 2

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1333; 5425.2191

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Jar, with four opposed strap handles (Figure 234)

RIM AND LIP FORM: everted rim and a rounded lip

CORE COLOR: G (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: dark grayish-brown; organic residue on the rim

EXTERIOR SURFACE COLOR: dark yellowish-brown; fire clouding on the rim and upper body

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 6.3 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: none

HEIGHT (IN CM): 16.5

ORIFICE DIAMETER (IN CM): 15.5

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 13.4

BASE DIAMETER (IN CM): 7.6; flat and circular base

ESTIMATED VOLUME (IN LITERS): 2.3

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The rim has three rows of tool punctations, one under the lip, another midway down the rim, and the third at the rim-body juncture. Between these rows of punctations on the rim are two sets of incised lines, slanting either to the left or right, forming a chevron element (Figure 234).

The body is divided into four panels by four sets of three vertical applied fillets that extend to within 4.5 cm of the base; there is a row of large tool punctations at the bottom of the panels that encircles the vessel (Figure 234). The space between the sets of vertical applied fillets is filled by vertical brushing marks. Inside the panels, the decoration consists of opposed and overlapping brushed marks defined by opposed and triangular-shaped areas outlined by tool punctations.

The four handles are decorated with three vertical applied fillets; the vertical applied fillets on the body begin immediately under those on each handle (Figure 234). The top end of each of the handle's



applied fillets has a large applied node. Finally, the space between the applied fillets is filled with diagonal opposed incised lines.

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Haley Complicated Incised



**Figure 234. Haley Complicated Incised jar, Vessel 1333.**

PROVENIENCE: Md. D, Pit 2

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1334; 5425.2184

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Compound bowl with two strap handles (Figure 235)

RIM AND LIP FORM: inverted rim and rounded, exterior folded lip

CORE COLOR: G (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: dark brown to black

EXTERIOR SURFACE COLOR: yellowish-brown;  
appears to have a black slip

WALL THICKNESS (RIM, BODY, AND BASE IN  
MM): rim, 5.2 mm

INTERIOR SURFACE TREATMENT: burnished on  
the upper panel

EXTERIOR SURFACE TREATMENT: burnished

HEIGHT (IN CM): 7.5

ORIFICE DIAMETER (IN CM): 13.1

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 12.8

BASE DIAMETER (IN CM): 6.9; flat and circular base

ESTIMATED VOLUME (IN LITERS): 0.79

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The upper panel of the vessel has three widely-spaced horizontal engraved lines; the lowermost line also has tick marks on it. The lower panel is divided into two sub-panels marked by two opposing sets of diagonal engraved lines with tick marks; another set of two diagonal engraved lines, but without tick marks; and an irregular sized area of diagonal engraved lines and tick marks pendant from the upper panel. These lines, and a separate engraved line between all the ticked lines, converge next to a large applied node near the base of the lower panel (Figure 235).

The handles are decorated with two rows of tick marks or small punctations at the top and bottom, with a central applied node. This node is within a rectangular-shaped area filled with tool punctations. Each central end of the two handles also has nodes that extend outward and away from each handle itself.

PIGMENT USE AND LOCATION ON VESSEL: white pigment preserved on one strap handle

TYPE [IF KNOWN]: Handy Engraved



**Figure 235. Handy Engraved compound bowl, Vessel 1334.**

PROVENIENCE: Md. D, Pit 2

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1336; 5425.2192

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Jar

RIM AND LIP FORM: everted rim and a rounded lip

CORE COLOR: G (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: dark grayish-brown

EXTERIOR SURFACE COLOR: dark yellowish-brown; fire clouding on the rim, body, and base

WALL THICKNESS (RIM, BODY, AND BASE IN MM):  
rim, 5.2 mm

INTERIOR SURFACE TREATMENT: smoothed on the rim

EXTERIOR SURFACE TREATMENT: none

HEIGHT (IN CM): 17.5

ORIFICE DIAMETER (IN CM): 10.9

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 9.6

BASE DIAMETER (IN CM): 7.5; flat and circular base

ESTIMATED VOLUME (IN LITERS): 1.7

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The rim has a row of cane punctations under the lip and a second row of tool punctations at the rim-body juncture. The remainder of the rim is filled by opposed incised triangles filled by either diagonal or horizontal incised lines. The vessel body is divided by three sets of four vertical incised lines amidst four equally-spaced applied nodes; these reach to the vessel base (Figure 236). Between the dividers are opposed incised triangles filled with either horizontal or diagonal incised lines.

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: late variety of Dunkin Incised, or possibly Pease Brushed-Incised, *var. Howard* (Bohannon 1973:49)



**Figure 236.** Late variety of Dunkin Incised, or possibly Pease Brushed-Incised, *var. Howard* jar, Vessel 1336.

PROVENIENCE: Md. D, Pit 2

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1337; 5425.2200

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Carinated bowl

RIM AND LIP FORM: direct rim and a rounded, exterior folded lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: black

EXTERIOR SURFACE COLOR: very dark grayish-brown

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 5.1 mm; body, 6.3 mm; base, 6.7 mm

INTERIOR SURFACE TREATMENT: burnished

EXTERIOR SURFACE TREATMENT: burnished

HEIGHT (IN CM): 3.2

ORIFICE DIAMETER (IN CM): 23.0

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 20.3

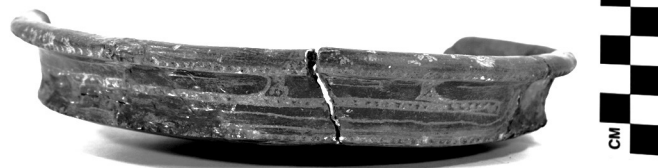
BASE DIAMETER (IN CM): N/A; rounded base

ESTIMATED VOLUME (IN LITERS): 0.44

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The rim has two rows of tool punctations, one under the lip and the other at the vessel carination. The remainder of the rim has two engraved panels divided by open brackets. Each panel has a hatched horizontal interlocking scroll. Each scroll is partially encircled by a single horizontal to curvilinear engraved line (Figure 237).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Handy Engraved



**Figure 237. Handy Engraved carinated bowl, Vessel 1337.**

PROVENIENCE: Md. D, Pit 2

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1339; 5425.2189

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Compound bowl with two opposed strap handles (Figure 238)

RIM AND LIP FORM: everted rim and a rounded lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: very dark grayish-brown to black

EXTERIOR SURFACE COLOR: very dark grayish-brown to black

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 4.7 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 6.8

ORIFICE DIAMETER (IN CM): 12.7

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 11.1

BASE DIAMETER (IN CM): 7.1

ESTIMATED VOLUME (IN LITERS): 0.69

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The upper panel of the vessel has three widely-spaced horizontal engraved lines. The lower, and more vertically compressed, panel is divided into two sub-panels. The central element in these sub-panels is an appliqued node with tick marks alongside it, and enclosed within two semi-circular engraved lines. The remainder of each sub-panel consists of curvilinear, vertical, and diagonal engraved lines, as well as one vertical zone filled with cross-hatched engraved lines (Figure 238).

The two strap handles on this vessel are decorated, but not with the same designs. One has a central horizontal hatched zone with single horizontal engraved lines above and below the hatched zone. The second handle has two cross-hatched zones separated by a single horizontal engraved line.

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Handy Engraved



**Figure 238. Handy Engraved compound bowl, Vessel 1339.**

PROVENIENCE: Md. D, Pit 2

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1340; 5425.2179

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Bottle

RIM AND LIP FORM: direct rim and a rounded lip

CORE COLOR: G (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: dark brown

EXTERIOR SURFACE COLOR: dark yellowish-brown

WALL THICKNESS (RIM, BODY, AND BASE IN MM):  
rim, 3.6 mm

INTERIOR SURFACE TREATMENT: smoothed on the  
upper neck

EXTERIOR SURFACE TREATMENT: burnished

HEIGHT (IN CM): 13.4

ORIFICE DIAMETER (IN CM): 3.9

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM):  
4.1; maximum body width is 9.0 cm

BASE DIAMETER (IN CM): 6.8

ESTIMATED VOLUME (IN LITERS): 0.36

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): There are single horizontal engraved lines at the base of the neck and near the vessel base. The vessel body has three repeating panels of a scroll and circle motif, with upper and lower triangular fill zones (Figure 239). The central circle on the scroll has a small engraved circle within it as well as hatched curvilinear zones on the larger central circle as well as on the scroll itself. The triangular scroll fill zones are filled with small circles and large central ovals, and one has hatched curvilinear zones.

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Haley Engraved



**Figure 239. Haley Engraved bottle, Vessel 1340.**

PROVENIENCE: Md. D, Pit 2

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1341; 5425.2201

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Bottle with a globular body and a short, tapering neck

RIM AND LIP FORM: direct rim and a rounded lip

CORE COLOR: B (fired and cooled in a reducing or low oxygen environment)

INTERIOR SURFACE COLOR: dark grayish-brown

EXTERIOR SURFACE COLOR: dark grayish-brown; fire clouding on the body and bottle neck

WALL THICKNESS (RIM, BODY, AND BASE IN MM):  
rim, 5.7 mm

INTERIOR SURFACE TREATMENT: smoothed on the  
upper neck

EXTERIOR SURFACE TREATMENT: burnished

HEIGHT (IN CM): 20.7

ORIFICE DIAMETER (IN CM): 5.1

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM):  
6.4; maximum body diameter is 15.7 cm

BASE DIAMETER (IN CM): 8.2; flat and circular base

ESTIMATED VOLUME (IN LITERS): 0.68



**Figure 240. Haley Engraved bottle, Vessel 1341.**

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): There are two horizontal engraved lines at the top and the bottom of the vessel body, framing the two engraved panels (Figure 240). The panels are divided by two sets of three vertical engraved lines on either side of a thick vertical column. This column has two ticked ovals framed by cross-hatching, and within each oval is a vertically-oriented rectangle with a second rectangular zone of cross-hatching and tick marks.

The two body panels are outlined by a large cross-hatched semi-circle, and two or three concentric circles within it. The innermost and central circle on one panel has inward-pointing tick marks as well as ticked circles and semi-circles, divided into two tiers by two short horizontal engraved lines. The other panel has ticked and non-ticked circles and ovals, as well as hatched areas around the larger circles, and a ticked hooked arm element. These are also divided into two tiers by a series of closely-spaced horizontal engraved lines (Figure 240).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Haley Engraved

PROVENIENCE: Md. D, Pit 2

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1343; 5425.2198

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Carinated bowl

RIM AND LIP FORM: everted rim with a rounded, exterior folded lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: dark grayish-brown

EXTERIOR SURFACE COLOR: very dark grayish-brown

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 9.1 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: burnished on the rim

HEIGHT (IN CM): 5.5

ORIFICE DIAMETER (IN CM): 22.0

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 18.5

BASE DIAMETER (IN CM): 18.5; circular and rounded base

ESTIMATED VOLUME (IN LITERS): 0.73

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The rim has two rows of large tool punctates, one under the lip and the other at the vessel carination. The remainder of the rim is divided into two large panels by two hatched brackets; the rectangular area between the brackets has a single unfilled engraved bracket. The panels themselves have a hatched interlocking horizontal scroll motif (Figure 241). Between the attached engraved brackets are open engraved rectangles, and there are single curvilinear engraved lines that partially encircle the interlocking scroll, running from upper to lower attached brackets.

PIGMENT USE AND LOCATION ON VESSEL: white pigment in the engraved lines

TYPE [IF KNOWN]: Handy Engraved



**Figure 241. Handy Engraved carinated bowl, Vessel 1343.**



***South side of Md. D.***

PROVENIENCE: 2 ft. (60 cm) below surface, on the south side of Md. D; not associated with an identified burial pit

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1533; 5425.2345A

NON-PLASTICS AND PASTE: grog and <5% bone

VESSEL FORM: Bottle

RIM AND LIP FORM: N/A

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: dark grayish-brown

EXTERIOR SURFACE COLOR: grayish-brown; fire clouding on the body

WALL THICKNESS (RIM, BODY, AND BASE IN MM): body, 6.4 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 12.8+

ORIFICE DIAMETER (IN CM): N/A

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): N/A; maximum body width is 15.5 cm

BASE DIAMETER (IN CM): 8.0; flat and circular base

ESTIMATED VOLUME (IN LITERS): N/A

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The top of the vessel body has five horizontal engraved lines. The remainder of the body has three circular engraved motifs separated by dividers with a stacked series of cross-hatched engraved zones. Immediately below the horizontal lines is a broad zone of cross-hatched lines that reaches to the tops of the three circular engraved motifs, and partially defines them (Figure 242).

The circular motifs consist of concentric circles and semi-circles arranged a central circle (Figure 242). Two of the outermost semi-circles have inward-facing tick marks on them. The concentric circles comprise the central circle and two circular zones. These zones are filled with either cross-hatched brackets or hatched triangles; in one case, these triangles touch the inner circle, but in the other their apexes only

point towards the central circle. The inner circles themselves are either plain or have cross-hatched triangles within them.

The area dividing the concentric circle and semi-circle motif has four tiers of cross-hatched zones, with open oval-shaped areas between. The cross-hatched zones are primarily bracket-shaped, but curvilinear or rectilinear zone are also present (Figure 243).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: cf. Friendship Engraved



**Figure 242. cf. Friendship Engraved bottle, Vessel 1533.**

***Field South of Md. D***

PROVENIENCE: Field south of Md. D

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1513; 5425.2249

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Bottle with a short neck

RIM AND LIP FORM: direct rim and a flat lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: black

EXTERIOR SURFACE COLOR: black; fire clouding on the vessel body

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 3.9 mm

INTERIOR SURFACE TREATMENT: smoothed on the upper neck

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 19.0

ORIFICE DIAMETER (IN CM): 5.0

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 5.9; maximum body width is 18.0 cm

BASE DIAMETER (IN CM): 9.2; flat and circular base

ESTIMATED VOLUME (IN LITERS): 0.7

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The top of the vessel body is decorated with three horizontal engraved lines. The remainder of the body has two engraved panels separated by a distinctive engraved divider (Figure 243).

The body panels have a series of concentric engraved circles (n=3) and narrow engraved circular zones (n=4), the latter filled with hatched lines; the engraved circular zones also have attached engraved spurs (Figure 243). At the center of these concentric circles and semi-circles is a small and plain circle.

The engraved dividers consist of two narrow zones filled with hatching. There are single engraved triangles at the top and bottom of the dividers, with their apexes pointing towards each other.

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: cf. Haley Engraved



Figure 243. cf. Haley Engraved bottle, Vessel 1513.

PROVENIENCE: field south of Md. D

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1518; 5425.2187

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Carinated bowl

RIM AND LIP FORM: everted rim and a flat lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: black

EXTERIOR SURFACE COLOR: black

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 7.5 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: burnished

HEIGHT (IN CM): 6.0

ORIFICE DIAMETER (IN CM): 19.4

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 18.0

BASE DIAMETER (IN CM): 16.7; circular and rounded base

ESTIMATED VOLUME (IN LITERS): 0.7

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT):

The rim has two rows of large tool punctates, one under the lip and the other at the vessel carination. The remainder of the rim is divided into two large panels by two engraved and punctated brackets; the rectangular area between the brackets has a single vertically-oriented engraved rectangle (Figure 244). The panels themselves have a hatched interlocking horizontal scroll motif. Between the four attached engraved brackets (filled with punctations) are two open engraved rectangles, and there are single curvilinear engraved lines that partially encircle the interlocking scroll, running from upper to lower attached brackets.

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Handy Engraved



**Figure 244. Handy Engraved carinated bowl, Vessel 1518.**

PROVENIENCE: Field south of Md. D

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1522

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Seed jar with two opposed suspension holes (4.0 mm in diameter) near the vessel orifice (Figure 245)

RIM AND LIP FORM: inverted rim and flat lip

CORE COLOR: F? (probably fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: N/A

EXTERIOR SURFACE COLOR: yellowish-brown; fire clouding

WALL THICKNESS (RIM, BODY, AND BASE IN MM):  
rim, 5.7 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 15.2

ORIFICE DIAMETER (IN CM): 3.3

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): N/A

BASE DIAMETER (IN CM): 10.9; flat and circular base

ESTIMATED VOLUME (IN LITERS): 1.0

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): Plain

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Seed Jar (brown 1996:349)



**Figure 245. Seed Jar, Vessel 1522.**

***Southwest of Md. D***

PROVENIENCE: Found with burial near and southwest of Md. D

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1114; 5425.2299. Vessels 1114 and 1115 were found in the same burial, as was a polished gorget. This vessel was documented only through a photographic image provided by Gilcrease Museum staff.

VESSEL FORM: Jar

RIM AND LIP FORM: everted rim and a rounded lip

EXTERIOR SURFACE COLOR: yellowish-brown; fire clouding on the body

HEIGHT (IN CM): 13.2

ORIFICE DIAMETER (IN CM): 11.4

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM):  
maximum body width is 13.3 cm

ESTIMATED VOLUME (IN LITERS): 0.9

DECORATION (INCLUDING MOTIF AND ELEMENTS  
WHEN APPARENT): The rim is decorated with 12 closely-  
spaced horizontal incised lines (Figure 246).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Unidentified utility ware



**Figure 246. Incised jar, Vessel 1114.**

PROVENIENCE: Near and southwest of Md. D

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1115; 5425.2293. This vessel was documented only through a photographic image provided by Gilcrease Museum staff.

VESSEL FORM: Jar

RIM AND LIP FORM: everted rim and a rounded lip

EXTERIOR SURFACE COLOR: yellowish-brown

EXTERIOR SURFACE TREATMENT: none

HEIGHT (IN CM): 19.5

ORIFICE DIAMETER (IN CM): 15.1

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM):  
maximum width on the body: 15.6 cm

ESTIMATED VOLUME (IN LITERS): 2.7

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The rim has a tool punctated row under the vessel lip, while the rim itself has an incised scroll, repeated four times, with upper and lower punctated scroll fill zones. The scrolls are separated by sets of vertical incised lines and vertical applied fillets (Figure 247).

The top of the vessel body has three equally-spaced horizontal incised lines, but the remainder of the body has oval, circular, and triangular incised zones filled with applied nodes (Figure 247).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Haley Complicated Incised



**Figure 247. Haley Complicated Incised jar, Vessel 1115.**



*Late Caddo Vessels*

PROVENIENCE: Md. B, upper levels

VESSEL NO. AND GILCREASE MUSEUM ACCESSION NO.: Vessel 1499; 5425.2269

NON-PLASTICS AND PASTE: grog

VESSEL FORM: Tripod bottle, with three globe-shaped legs (cf. Suhm and Jelks 1962:Plate 37b) (Figure 248a-b)

RIM AND LIP FORM: direct rim and rounded lip

CORE COLOR: F (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: dark yellowish-brown

EXTERIOR SURFACE COLOR: dark yellowish-brown; fire clouding on the vessel body

WALL THICKNESS (RIM, BODY, AND BASE IN MM): rim, 4.0 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 18.8

ORIFICE DIAMETER (IN CM): 4.8



**Figure 248. Hodges Engraved tripod bottle, Vessel 1499: a, side view; b, view of tripod legs.**

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 5.2; maximum body width is 17.5 mm; maximum body width at the vessel legs is 19.5 cm

BASE DIAMETER (IN CM): 16.0; flat and triangular-shaped base

ESTIMATED VOLUME (IN LITERS): 1.2

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT):

The vessel body has an engraved motif that is repeated three times around the vessel; the rim and the vessel legs are plain. The motif consists of a large engraved triangle filled with a central concentric circle, and negative ovals; usually these ovals are filled with punctations (Figure 248a). The large triangles themselves have outward-facing tick marks. The central concentric circles have either tick marks (n=2) or small pendant triangles (n=1). The central circle and ovals on the motif are outlined by cross-hatching.

The repeated motifs are divided by cross-hatched engraved vertical columns (centered over the vessel legs) that have a lower negative-S element and an upper negative concentric semi-circle; the innermost semi-circles are also cross-hatched. Each are filled with punctations that were carved into the decorative element after the vessel had been fired.

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE [IF KNOWN]: Hodges Engraved

### Summary of the Crenshaw Vessels

The Late Fourche Maline vessels from burial contexts at the Crenshaw site are dominated by Williams Plain jars and bowls (28%), several varieties of Coles Creek Incised (40%), mainly bowls, and particularly *var. Greenhouse* and *var. Chase*, as well as French Fork Incised (16%) bowls, jars, and a carinated bowl (Table 2). There are also a number of Coles Creek Incised-French Fork Incised hybrid vessels (i.e., these have design motifs from both types on the same vessel), which have been named as Agee Incised by Frank Schambach (see discussion in Brown [1996]).

**Table 2. Late Fourche Maline Vessels in the Gilcrease Museum NAGPRA collections from the Crenshaw site.**

Vessel Description	J	Pl	Bw	CB	N
Plain	1	–	–	–	1
Plain, collared rim	–	–	1	–	1
Williams Plain	12	–	4	–	16
Coles Creek Incised, <i>var. Campbellsville</i>	–	–	1	–	1
Coles Creek Incised, <i>var. Campbellsville</i> or <i>var. Greenhouse</i>	–	–	1	–	1
Coles Creek Incised, <i>var. Chase</i>	1	–	3	–	4
Coles Creek Incised, <i>var. Greenhouse</i>	–	1	4	–	5
Coles Creek Incised, <i>var. Keo</i> .	–	1	2	–	3
Coles Creek Incised, <i>var. Stoner</i>	–	–	2	1	3
Coles Creek Incised, <i>var. unspecified</i>	1	–	5	–	6
Coles Incised-French Fork Incised hybrid (cf. Agee Incised)	1	–	3	–	4
Crenshaw Lobed	1	–	–	–	1
Crockett Curvilinear Incised	–	–	1	–	1
French Fork Incised, <i>var. French Fork</i>	2	–	2	1	5
French Fork Incised, <i>var. Larkin</i> (?)	–	–	1	–	1
French Fork Incised, <i>var. unspecified</i>	–	–	3	–	3
Williams Incised (?)	1	–	–	–	1
Totals	20	2	33	2	57

J=Jar; Pl=Plate; Bw=Bowl; CB=Carinated bowl

The main vessel forms in late Fourche Maline contexts are bowls and jars, with only a minor representation of plates and carinated bowls (they represent only 7% of the vessels) (see Table 2). There are also gourd-shaped ladles or bowls and boat-shaped bowls (7% of the vessel assemblage). About 31% of all the vessels are plain wares.<sup>1</sup>

Other distinctive attributes of the late Fourche Maline vessels include 12 vessels (21.1%) with rim collars; more than 90% of the collared vessels are bowls. More than 15% of the vessels have square bases, primarily the Williams Plain jars, and one bowl (1.8%) has suspension holes. Finally, a white kaolin clay pigment was used as a decorative embellishment on one bowl (1.8%). Another vessel had red pigment staining, indicating a hematite-rich clay pigment had been stored in it before it was placed in a burial.

Only five (4.4%) of the ceramic vessels placed in Early Caddo burials in Mound B and Cemetery 3 south and southwest of Mound D at the Crenshaw site are plain (Table 3); this includes three probable Smithport Plain bottles with long tapered necks. Two other bottles are red-slipped on their exterior surface. The predominant defined type in these Early Caddo contexts is Hickory Engraved (29%), almost exclusively as bottles; other important ceramic types in the assemblage include Crockett Curvilinear Incised (10.6%), mainly bowls; Holly Fine Engraved (9.7%), in various vessel forms; Pennington Punctated-Incised (5.3%); and Spiro Engraved (5.3%), all bottles. There are several hybrid vessels—vessels that combine features from more than one type—in the collections from Early Caddo burials, as well as East Incised bowls (3.5%), Sinner Linear Punctated jars (2.6%), and a Dunkin Incised jar (0.9%).

**Table 3. Early Caddo Period Vessels in the Gilcrease Museum NAGPRA collections from the Crenshaw site.**

Vessel Description	J	Bw	CB	Bt	Bk	CPB
Plain	—	—	—	1	—	—
Crockett Curvilinear Incised	—	7	2	—	—	2
Crockett Curvilinear Incised, <i>var. Ozan</i>	1	—	—	—	—	—
Crockett Curvilinear Incised, engraved variant	—	3	2	—	—	—
Crockett-Pennington hybrid	1	—	—	—	—	—
Davis Incised (?)	—	—	1	—	—	—
Dunkin Incised	1	—	—	—	—	—
East Incised	—	4	—	—	—	—
Hickory Engraved	2	1	—	28	—	—
Hickory Engraved, <i>var. East</i>	—	—	—	2	—	—
Hickory Engraved-Crenshaw Fluted	1	—	—	—	—	—
Hickory-Holly Fine Engraved hybrid	1	—	—	—	—	—
Holly Fine Engraved	—	3	3	4	1	—
Holly or Spiro Engraved	—	—	—	1	—	—
Ouachita Mountain Seed Jar	1	—	—	—	—	—
Pennington Punctated-Incised	—	3	2	—	—	1
Red-slipped	—	—	—	2	—	—

**Table 3. Early Caddo Period Vessels in the Gilcrease Museum NAGPRA collections from the Crenshaw site, cont.**

Vessel Description	J	Bw	CB	Bt	Bk	CPB
Sinner Linear Punctated	3	—	—	—	—	—
cf. Smithport Plain	—	—	—	3	—	—
Spiro Engraved	—	—	—	6	—	—
Unidentified appliqued	—	—	—	1	—	—
Unidentified engraved	—	3	1	2	—	—
Unidentified incised	2	1	—	—	—	—
Unidentified punctated	2	—	—	—	—	—
Haley Complicated Incised*	5	—	—	—	—	—
cf. Haley Engraved	—	—	—	1+	—	—
Hempstead Engraved	—	—	1**	—	—	—
cf. Pease Brushed-Incised	1***	—	—	—	—	—
Totals	21	25	12	51	1	3

J=Jar; BW=bowl; CB=carinated bowl; Bt=bottle; Bk=beaker; CPB=compound bowl

\*from upper burial No. 1 in Mound B (n=1), Pit 5 in Mound B (n=2), and Pit 10 in Mound B (n=2); \*\* from Mound B, Pit 5; \*\*\*from Mound B, Pit 11 +from Mound B, Pit 1

There are eight vessels (7.1%) in Early Caddo period graves in Mound B that on other grounds would have been classified as Middle Caddo vessels (see Table 3), including the types Haley Complicated Incised, cf. Haley Engraved, Hempstead Engraved, and cf. Pease Brushed-Incised. Unless there has been a mixture of vessels at one time or another since they were excavated, the occurrence of these vessels in these Mound B contexts may indicate that these are early varieties of the type. This would further suggest that some Mound B burials probably date to the very end of the 12<sup>th</sup> century A.D. and the end of the Early Caddo period, presaging the Middle Caddo use of Mound B and Mound D, and their common representation in burials of Middle Caddo period age.

The Early Caddo period is marked by the appearance of three new vessel forms, the beaker (0.9%), the compound bowl (2.6%), and the bottle. Bottles are by far the most common vessel form placed with the burials, as they account for 45.1% of the Early Caddo burial vessels, but bowls (22.1%), including two effigy bowls, and jars (18.6%) were also well represented (see Table 3). Carinated bowls are also more common at this time than during the late Fourche Maline phase, now comprising 10.6% of the vessels compared to 3.5% of the vessels from earlier Fourche Maline burial features.

Other distinctive features of the Early Caddo period vessels include bowls with rim peaks (3.5% of the vessel assemblage), bowls and jars with suspension holes (7.1%), and five vessels (4.4%) with lip tab tails. The use of red (n=9) and white (n=4) clay pigments is also common (12.4%), including one engraved jar with both red and white clay pigments rubbed into the engraved lines. The use of clay pigments has increased seven-fold from late Fourche Maline to Early Caddo period times.

The Middle Caddo period mortuary ceramic vessels from Mounds B and D, and Cemetery 3, are dominated by Handy Engraved carinated bowls and compound bowls; together with three bowls of the type, Handy Engraved vessels comprise 34.2% of the Middle Caddo period assemblage (Table 4). Other important identified types among the Middle Caddo vessels are Pease Brushed-Incised (17.1%), Haley Engraved (10.5%), and Haley Complicated Incised (7.9%). Only two (2.6%) of the vessels from the Middle Caddo period burials are plain.

**Table 4. Middle Caddo Period Vessels in the Gilcrease Museum NAGPRA collections from the Crenshaw site.**

Vessel Description	J	Bw	CB	Bt	CPB	N
Plain	–	–	–	1	–	1
Adair Engraved, <i>var. Adair</i>	–	–	–	1	–	1
cf. Dunkin Incised	1	–	–	–	–	1
Dunkin Incised or Pease Brushed-Incised, <i>var. Howard</i>	1	–	–	–	–	1
East Incised	–	1	–	–	–	1
cf. Friendship Engraved	–	–	–	1	–	1
Haley Complicated Incised	6	–	–	–	–	6
Haley Engraved	1	–	–	7	–	8
possible Haley Engraved	–	1	–	–	–	1
Handy Engraved	–	–	16	3	7	26
Hatchel Engraved	–	–	–	2	–	2
Hempstead Engraved	–	1	–	–	–	1
Hickory Engraved, <i>var. East</i>	1	–	–	–	–	1
Military Road Incised	1	–	–	–	–	1
Moore Noded	–	1	–	–	–	1
Ouachita Mountain Seed Jar	1	–	–	–	–	1
Pease Brushed-Incised	13	–	–	–	–	13
Sanders Plain	–	–	–	1	–	1
Unidentified brushed	1	–	–	–	–	1
Unidentified brushed- punctated-appliq.	1	–	–	–	–	1
Unidentified incised	1	–	–	–	–	1
Unidentified incised-punctated	1	–	–	–	–	1
Unidentified engraved	–	1*	1	1	–	3
Unidentified incised-punctated	1	–	–	–	–	1
Totals	30	5	17	17	7	76

J=Jar; BW=bowl; CB=carinated bowl; Bt=bottle; CPB=compound bowl

\*with a sprocket rim

Jars are the principal vessel form among the Middle Caddo burials, accounting for 39.5% of these funerary objects (see Table 4). Carinated bowls (22.4%) and bottles (22.4%) are common vessel forms, as are compound bowls (9.2%), all of the Handy Engraved type. Compared to the preceding Early Caddo mortuary vessel assemblage, carinated bowls of Middle Caddo period age are twice as common as burial offerings, while bottles are twice as infrequent in Middle Caddo period burials than they were in the Early Caddo period.

The Middle Caddo period ceramic vessel assemblage at the Crenshaw site is distinctive because of the first appearance of strap handles (n=13, 17.1% of the assemblage) on jars, compound bowls, and carinated bowls that are either utility wares or fine wares. Six other vessels (7.9%), bowls and jars, have suspension holes; as a measure of continuity in ceramic practices, and as previously mentioned, late Fourche Maline and Early Caddo vessel assemblages also have vessels with suspension holes. Two jars (2.6%) have rim peaks, one has a sprocket rim (cf. Miller 1986; Walters 2010), one vessel has tab tails, and there is a fish effigy vessel. The use of white (n=6) or red (n=2) clay pigments as embellishments to the decoration of bowls, bottles, and carinated bowls is relatively common in Middle Caddo period contexts at the Crenshaw site (10.5%), although the use of white clay is more prevalent (75%) than was the case in Early Caddo times (see above), where red pigment was the preferred choice (71%).

The one Late Caddo burial vessel is a Hodges Engraved tripod bottle from upper levels of Mound B (see Figure 248a-b). It is grog-tempered and fired in a reducing environment.

During all periods of use of the Crenshaw site for the burial of deceased individuals in Mound B, Mound D, and Cemetery 3, the ceramic vessels were almost exclusively tempered with grog (Table 5), ranging from 97.2% to 98.2% by period. Occasionally grog-temper was employed along with the addition of bone or hematite temper, and rarely (1.4-1.9%) crushed and burned bone was selected as the only vessel temper. Although the use of bone was not common during any period, its use increased over time from 3.8% in late Fourche Maline vessels to 9.6% in Middle Caddo vessels.

**Table 5. Use of Temper in Vessels at the Crenshaw Site.**

Temper	Late Fourche Maline	Early Caddo	Middle Caddo
grog	94.4%	89.1%	89.0%
grog-organics	–	0.9%	–
grog-sandy paste	1.9%	–	–
grog-bone	–	4.5%	8.2%
grog-hematite	–	1.8%	–
bone	1.9%	–	1.4%
bone-grog	1.9%	1.8%	–
no visible temper	–	1.8%	1.4%
Summary:			
vessels with grog	98.1%	98.2%	97.2%
vessels with bone	3.8%	6.3%	9.6%
vessels with hematite	–	1.8%	–

The ceramic vessels in all three periods of mortuary use were fired by potters in very much the same manner for a temporal interval of more than 550 years (Table 6), as they emphasized firing the vessels

in a reducing or low oxygen environment, probably smothering the vessels in the coals with leaves or grasses (cf. Miller 2011:Figure 17).

**Table 6. Firing Conditions observed in the Vessels at the Crenshaw Site.**

Firing Conditions	Late Fourche Maline	Early Caddo	Middle Caddo
Oxidizing	3.7%	4.7%	1.5%
Reducing	25.9%	50.9%	46.4%
Reducing, but cooled in the open air	70.4%	44.3%	52.1%

There was a subtle change in firing practices between late Fourche Maline and Early Caddo period times, a practice that continued in use through the Middle Caddo period, and that was the increased firing and cooling of vessels in a reducing environment. This practice increased from 25.9% in the late Fourche Maline vessels to between 46.4-50.9% in the Early and Middle Caddo period vessels (see Table 6). Vessels fired in a reducing environment but pulled from the fire to cool in the open air—leaving one or more vessel surfaces a lighter and oxidized color, as well as leaving a thin oxidized zone in the vessel core—decreased accordingly: from 70.4% in late Fourche Maline vessels to 44.3-52.1% in Early and Middle Caddo vessels. Vessels fired and cooled in an oxidizing or high oxygen environment were not common at any time during the period from ca. A.D. 850-1400 in these Crenshaw vessels (1.5-4.7%).

The vessels placed in burials at the Crenshaw site during the late Fourche Maline, Early Caddo, and Middle Caddo periods occur in a wide range of sizes/volumes (Table 7). The largest vessels by volume in each period's vessels are the jars, with a few vessels in Early and Middle Caddo period burial contexts ranging between 4.6-9.0 liters. Some of the bowls in each period's assemblages are also particularly large in volume (2.4-3.8 liters)

**Table 7. Vessel size ranges in the Crenshaw site vessels.**

Volume (in liters)	Late Fourche Maline	Early Caddo	Middle Caddo
<b>Jar</b>			
0.2-0.4	—	2	—
0.4-0.6	2	1	6
0.6-0.8	4	4	2
0.8-1.0	3	3	7
1.0-1.2	1	—	1
1.2-1.4	1	2	1
1.4-1.6	2	—	—
1.6-1.8	—	—	1
1.8-2.0	1	1	3
2.0-2.2	—	1	—
2.2-2.4	—	—	1
2.4-2.6	—	—	2
2.6-2.8	—	—	1
2.8-3.0	1	1	1



**Table 7. Vessel size ranges in the Crenshaw site vessels, cont.**

Volume (in liters)	Late Fourche Maline	Early Caddo	Middle Caddo
3.0-3.2	–	1	1
3.2-3.4	–	2	–
3.6-3.8	1	–	–
3.8-4.0	1	–	–
4.6-4.8	–	–	1
6.2-6.4	–	1	–
8.8-9.0	–	–	1
<b><u>Bowl</u></b>			
0.1-0.2	4	3	1
0.2-0.4	12	2	3
0.4-0.6	9	6	–
0.6-0.8	2	6	–
0.8-1.0	1	2	–
1.0-1.2	1	1	1
1.2-1.4	1	–	–
1.6-1.8	1	1	–
2.4-2.6	–	1	1
3.6-3.8	1	1	–
<b><u>Carinated Bowl</u></b>			
0.2-0.4	–	–	4
0.4-0.6	1	2	6
0.6-0.8	1	2	5
0.8-1.0	–	5	–
1.0-1.2	–	2	–
1.4-1.6	1	–	1
<b><u>Bottle</u></b>			
0.2-0.4	–	3	3
0.4-0.6	–	9	5
0.6-0.8	–	17	6
0.8-1.0	–	12	–
1.0-1.2	–	5	–
1.2-1.4	–	4	–
<b><u>Compound Bowl</u></b>			
0.6-0.8	–	–	4
0.8-1.0	–	2	2
1.0-1.2	–	1	–

Note: Beakers and plates are not included in this table because they are rare, and restricted to only one of the cultural periods. The one Late Caddo bottle is also not included in Table 7.

There are notable trends in vessel volume by vessel form between the three sequent ceramic burial assemblages. Among the jars, most in each period are less than 1-2 liters in volumes (69-82%, with the highest frequency of small jars in the late Fourche Maline vessels), but the largest jars (3-9.0 liters) placed as mortuary offerings occur in the Early Caddo period (21%). Bowls also are generally less than 1 liter in volume in all three periods: 67-88%; the late Fourche Maline bowls tend to be proportionally the smallest. The largest bowls by volume (2.4-3.8 liters) are in Early Caddo (9%) and Middle Caddo (16%) burials.

The carinated bowls range from 0.2-1.6 liters in volume. The highest proportion of smaller carinated bowls (0.2-1.0 liters) are in the Early and Middle Caddo periods (82-94%, respectively), while late Fourche Maline carinated bowls tend to be larger: 33% of the late Fourche Maline carinated bowls are 1.0-1.6 liters in volume, compared to only 6-18% of the Early and Middle Caddo period carinated bowls placed in burials.

Bottles and compound bowls are absent in late Fourche Maline burials. In the Early and Middle Caddo vessel assemblages, smaller bottles and smaller compound bowls characterize the Middle Caddo vessels as a whole compared to the Early Caddo period vessels. Similar size comparisons occur among the carinated bowls and jars, indicating that the Middle Caddo period vessels placed in graves tend to be downsized with respect to the Early Caddo period burial vessels. Only in the Early Caddo period, for instance, are bottles and compound bowls more than 1 liter in size placed in graves (see Table 7).

## Ceramic Pipes

There are two styles of ceramic pipes in the Crenshaw site collections at the Gilcrease Museum: the long-stemmed Red River style and the elbow pipe form (Hoffman 1967). Although both styles of pipes may have been in concurrent use, between ca. A.D. 1350-1450, the elbow pipe form is the later of the two styles, and this form is found exclusively in post-A.D. 1450 or Late Caddo contexts across the southern Caddo area. Long-stemmed Red River pipes began to be made and used in the late Fourche Maline period (e.g., Hoffman 1967:7; Lemley 1936:49), and continued to be manufactured into the early 15<sup>th</sup> century A.D.

There are nine long-stemmed Red River style pipes of Early Caddo period age, either from Mound B burial pits or graves in Cemetery 3, south and southwest of Mound D (Table 8). Based on bowl shape, the distal butt end form, and measurements of bowl height, bowl diameter, and stem diameter, the pipes include five of the earlier Miller's Crossing variety and four of the slightly later Graves Chapel variety. Where the distal butt end of the pipes are present, the butt end is consistently flat.

**Table 8. Long-stemmed Red River pipes from the Crenshaw site.**

Provenience	BH (mm)	BD (mm)	SD (mm)	BEL (mm)	SL (mm)	temper	ST
<i>Miller's Crossing variety</i>							
B.30, cemetery SW of Md. D, P-183	16.5	21.0	8.1	30.0	165+	bone	B
B.30, cemetery SW of Md. D, MP-6	18.0	20.0	7.2	33.0	147+	grog	B
B.30, cemetery SW of Md. D, P-181							
B.35, cemetery SW of Md. D, MP-7	18.0	23.6	8.4	25.0	65.0+	grog	B
B.36, cemetery SW of Md. D, MP-8	19.0	22.1	7.6	24.5	280.0	grog	B
<i>Graves Chapel variety</i>							
Mound B, Pit 10, BP-60	20.0	27.0	8.0	38.5	290.0	grog	B
Mound B, Pit 10, BP-61	18.5	26.5	9.0	43.0	292.0	bone	B
Mound B, Pit 10, BP-62	18.0	25.5	9.0	39.0	296.0	grog	B
B.24, field near Md. D, P-179	22.2	27.8	8.4	29.0	102+	bone	B

BH=bowl height; BD=bowl diameter; SD=stem diameter; BEL=distal butt end length; SL=stem length; ST=surface treatment: B=burnished

The Miller's Crossing variety of Red River pipe is found in three burials in Cemetery 3, southwest of Mound D (Figure 249a-e). It is noteworthy that Burial 30 was accompanied by three different pipes, which is not a common occurrence as mortuary offerings (Perttula 2011b). They are primarily grog-tempered (80%), and burnished on the exterior surface. They can be distinguished from other Red River

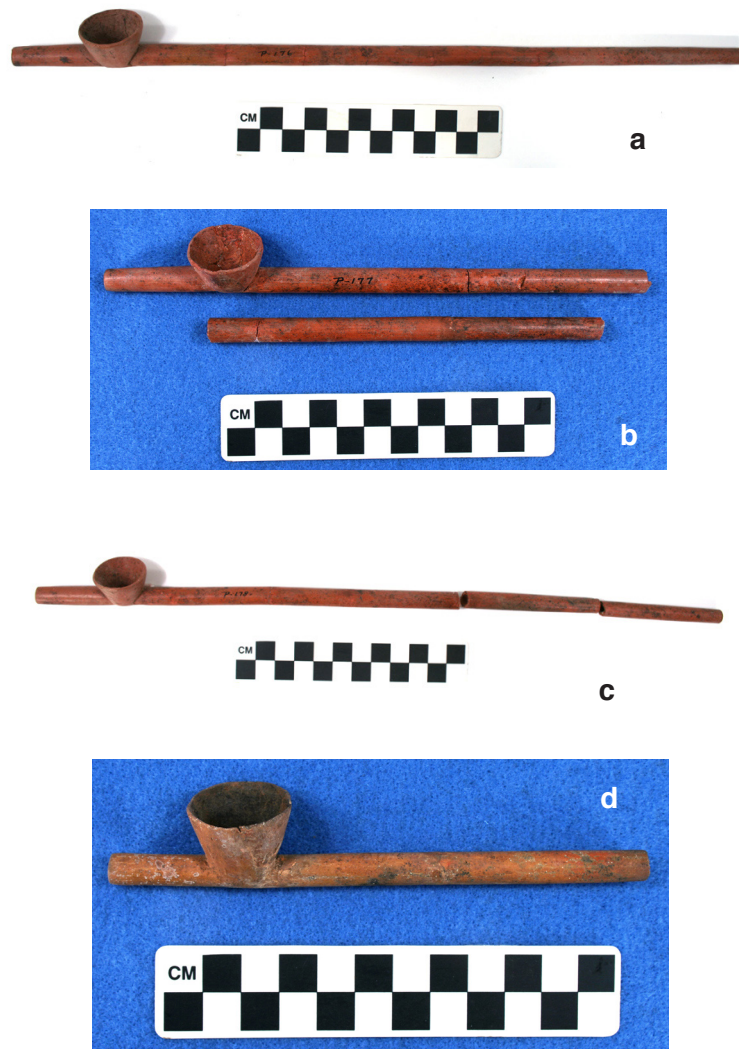
pipe varieties by the short, generally straight, and small bowls, distal butt ends that are flat and only extend 24.5-33.0 mm from the distal side of the bowl, and stem diameters are also small. The one complete Miller's Crossing long-stemmed Red River pipe is 280 mm.



**Figure 249.** Miller's Crossing Red River pipes: a, MP-6; b, MP-7; c, MP-8; d, P-181; e, P-183.

The Graves Chapel long-stemmed pipes are from Pit 10 in Mound B and a burial in a field near Mound D, probably in Cemetery 3 (see Figure 5). These pipes are both grog (50%) and bone-tempered (50%), and also burnished on their exterior surface (Figure 250a-d). Compared to the Miller's Crossing pipes, the Graves Chapel variety pipes have slightly taller and broader bowls, with flaring sides, and a generally thicker stem diameter.

The one elbow pipe (Figure 251) is from Burial 27 in Cemetery 3, south of Mound D (see Figure 5). It is a distinctive undecorated form that has its projecting distal end turned up to join the distal side of the bowl (see Hoffman 1967:10 and Figure 6b). It has a large and flaring bowl, 42.0 mm in height and 35.8 mm in diameter, and the pipe is 56.0 mm in length. The stem and bowl parts of the pipe have relatively thick walls, 7.9 mm and 5.0 mm, respectively.



**Figure 250. Graves Chapel Red River pipes: a, BP-60; b, BP-61; c, BP-62; d, P-179.**



**Figure 251. Late Caddo elbow pipe, P-190, 5425.4438.**

### **Chipped Stone Tools**

The chipped stone tools from burial features at the Crenshaw site in the Gilcrease collection include only arrow points and a large biface. The large biface is from a prehistoric Caddo context, while the arrow points are predominately from late Fourche Maline burial features in Mound B and Mound D.

#### *Arrow points*

Arrow points are a common funerary offering in the burial features at the Crenshaw site. Perhaps the most notable example of this mortuary practice is the 276 Agee arrow points found by W. P. Agee in 1906 with one burial in Mound D (Lemley 1936:25). In the case of the Crenshaw artifacts at the Gilcrease Museum that are documented in this report, burial features had between 2-26 arrow points each, and a cache in Mound D had 32 points (Figure 252). The vast majority of the 237 arrow points (including three points that could not be identified as to type or one of our local varieties) are from late Fourche Maline burial features (Table 9), and the others are from unclear temporal contexts (given the information available in the Lemley inventory), but likely also from late Fourche Maline burial features. The arrow points are found tightly clustered together, suggesting they were in quivers when placed in a grave.



**Figure 252. Arrow points from Mound D, Variety A, H-363.**

**Table 9. Arrow points from the Crenshaw site.**

Provenience	Var. A	Var. B	Var. C	Var. D.	Var. E
<b>Late Fourche Maline</b>					
B.1, Pit 2, Md. B	13	10	—	1	—
B. 11, Pit 2, Md. B	3	2	—	—	2
B. 4, Pit 3, Md. B	5	4	2	—	—
B. 6, Pit 3, Md. B	13	6	—	—	—
B. 6, Pit 6, Md. B	—	5	—	1	—
B. 1, Pit 13, Md. B	5	—	—	—	—
B.2, Pit 13, Md. B	3	5	—	1	—
B. 3, Pit 13, Md. B	5	5	—	—	—
B. 4, Md. D	2	15	—	3	—
B. 6, Md. D*	6	17	—	3	—
B. 8, Md. D*	—	17	—	—	—
B. 9, Md. D*	—	—	—	2	—
Cache, Martin Cem.	7	12	—	2	—
% Novaculite	50%	60%	100%	62%	100%

**Table 9. Arrow points from the Crenshaw site, cont.**

Provenience	Var. A	Var. B	Var. C	Var. D.	Var. E
<b>Temporally Unknown</b>					
Burial 10, Md. B	1	5	–	–	–
Summit of Md. C	2	2	–	2	–
Md. D	32	–	–	–	–
B. 2. cemet., SW of Md. D	1	10	–	–	–
Cemetery, SW of Md. D	–	2	–	–	–
% Novaculite	33%	100%	–	100%	–
Totals	98	117	2	15	2
% Novaculite	48%	67%	100%	67%	100%

\*does not include unidentified arrow point forms, one point per burial feature

Five different varieties of arrow points are represented in the Crenshaw site burial features, and all appear to be roughly contemporaneous arrow point forms at the site since all varieties are found in late Fourche Maline burial features. Variety A (42% of the arrow points that were assigned to one of the five varieties) arrow points, of the Homan type, have a short and expanding stem and corner notches, wide barbs, and a convex base (see Figure 252); they often have long barbs as do the Variety B arrow points from the site (Figure 253; see Dickinson 1936:Plate 11). Variety B arrow points are Agree points; they account for 50% of the Crenshaw site arrow points in the Gilcrease collections. They have expanding stems and corner notches, as well as wide barbs, and convex to rounded bases.

Variety C arrow points only account for 0.9% of the arrow points from the Crenshaw site. Both Variety C points came from a burial pit in Mound B (see Table 9). These points have a parallel stem, a flat base, and wide barbs (Figure 254j-k). We have typed them as Alba points.

The Variety D arrow points comprise 6.4% of the arrow points from burial features, and they are present in low numbers in several of the Mound B and Mound D burial features. They are expanding stem forms with shallow corner notching, small shoulders, and a flat base (see Figure 253p). These resemble Scallorn B points defined by Brown (1996:442 and Figure 2-61f-h).

The last arrow point variety, Variety E, has a bulbar and convex stem and rectilinear barbs (Figure 255b, f). It has not been linked to an established type, but may simply represent a less preferred style of Agee or Homan point made by a specific craftsman. This variety accounts for only 0.9% of the arrow point sample from burial features.

By provenience, Homan points are most frequent in Mound B burial features (52% of the 91 Mound B arrow points), while Agree points are the best represented point type in Mound D (75% of the 65 Mound D arrow points). Varieties C and E occur only in Mound B burial features, where they each represent 2% of all the arrow points from Mound B. Conversely, the Scallorn B (Variety D) arrow points are present (12%) only in Mound D burial features.

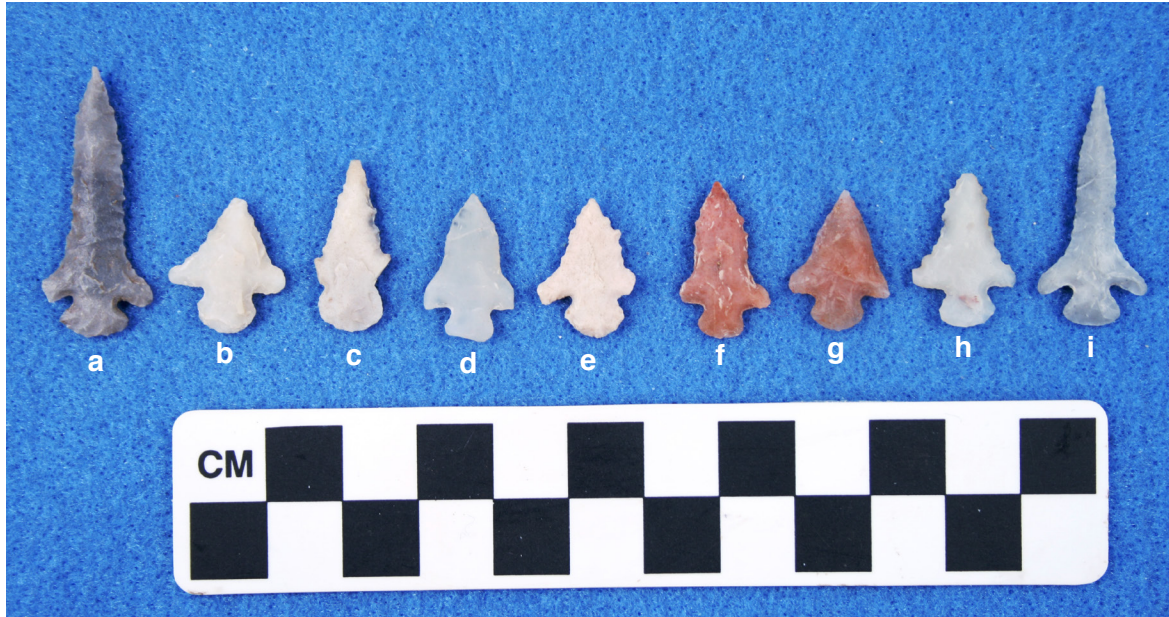




Figure 253. Variety A, B, and D arrow points from Mound B, Pit 2, Burial 1, H-373.



Figure 254. Variety A-C arrow points, Mound B, Pit 3, Burial 4, H-377: a-e, Variety A; f-I, Variety B; j-k, Variety C.



**Figure 255.** Variety A, Variety B, and Variety E arrow points, from Mound B, Pit 2, Burial 1 (H-375) and cemetery southwest of Mound D (H-381): c-d, g-h, Variety A; a, e, i, Variety B; and b, f, Variety E.

Novaculite was the raw material of choice for arrow point manufacture at the Crenshaw site (Figure 256). Among each of the arrow point varieties, between 48-100% of the points are made from this Ouachita Mountains raw material (see Table 9); this raw material would also have been available in Red River gravels. In the two principal arrow point varieties, namely Homan (Variety A) and Agee (Variety B), novaculite accounts for 48% to 67% of the burial feature assemblages, respectively. Other raw materials include chert in a wide variety of colors, including black (Figure 257e, h-j, m), brown (Figure 257a-c, g), brownish-gray (Figure 257q), gray (Figure 257f), light gray, a gray quartzite (Figure 258h), and a red Red River jasper (Figure 259d; see Dowd 2011).

### *Large Biface*

A large chipped stone biface is in the Crenshaw collections from the top of Mound D, and thus likely from a prehistoric Caddo context. The well-made biface, 153.0 mm in length, 65.0 mm in width, and only 8.4 mm in thickness, has a short expanding stem and a flat base, along with large corner-notching and downward-pointing barbs (Figure 260).

The biface closely resembles in form the specialized biface that Brown (1996:458-459 and Figures 2-68j and 2-69b-c) has classified as Kay points at the Spiro and Harlan (Bell 1972:229 and Plate 19e) sites. The raw material of the Kay point from the Crenshaw site is a light gray to dark gray chert with brownish visible bands; there are also fossil inclusions (see Figure 260). Tentatively, the material is identified as coming from the Florence Formation (Kay County Variety) in northeastern Oklahoma and southeastern Kansas (Banks 1990:Figure 5.9).



Figure 256. Novaculite arrow points from Burial 6, Mound D, H-403.



Figure 257. Variety B arrow points, Mound D, Burial 8, H-366: a-q, Variety B; r, unidentified, but probably also a Variety B point.

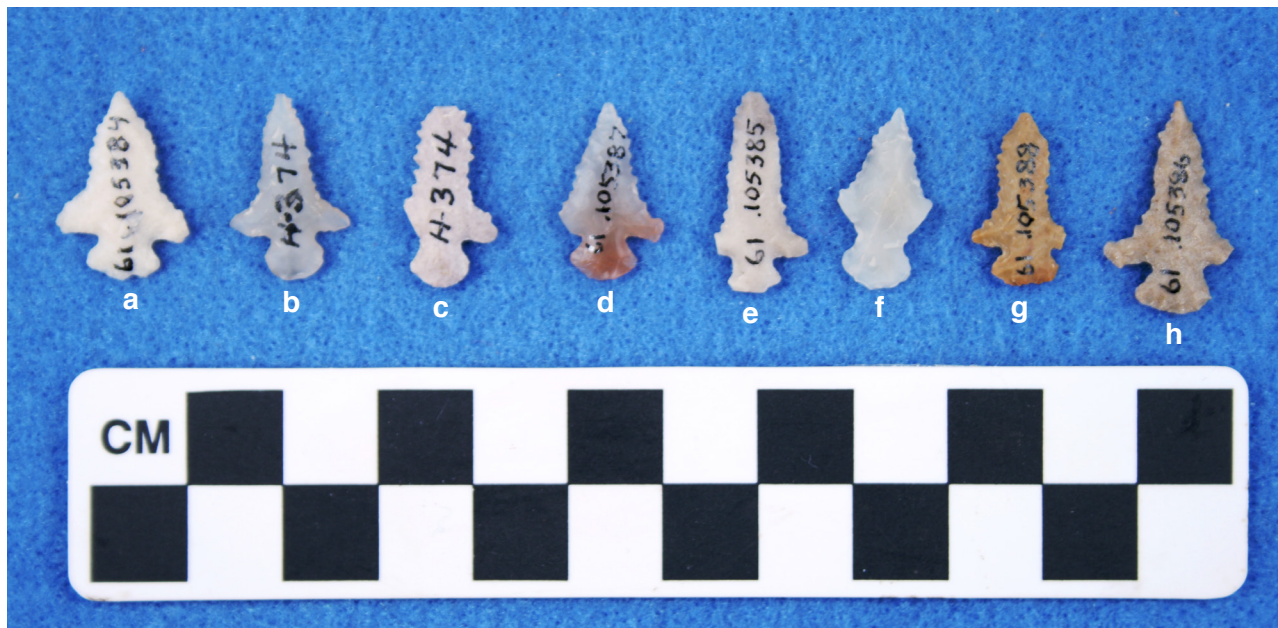


Figure 258. Variety A and B arrow points, Mound B, Pit 3, Burial 2, H-374: a-f, novaculite; g, brown chert; h, quartzite.



Figure 259. Variety A and B arrow points, Mound B, Pit 3, Burial 6, H-376: a-b, f-g, i-l, n-p, r, novaculite; d, jasper; c, e, h, m, q, s, brown chert.



**Figure 260. Large chipped biface from Mound D, S-914, 61.58910.**

### **Ground Stone Tools**

The ground stone tools in the Crenshaw site collection from the Gilcrease Museum represent several different kinds of ground stone tools. The most common are celts, which occur in both Late Fourche Maline through Middle Caddo burial contexts, a perforated gorget from a Middle Caddo period grave, and two boatstones from Late Fourche Maline burial contexts in Mound D.

#### *Celts*

There are 19 celts from the Crenshaw site that are documented from burial contexts. Others (not discussed herein) are from unknown contexts or general digging in Mounds B and D, and in a cemetery south and southwest of Mound D. Celts are wood working and wood cutting tools. It is not certain that these celts had a utilitarian function (see Brown 1996:469; Shafer 2011:124), given their mortuary context, and there are several Caddo sites where some kinds of celts, typically the spatulate form (Brown 1996:Figure 2-78; Shafer 2011:Figure 67), “occur in contexts suggesting high status” for the individuals they were buried with.

There are four basic forms of celts in the Crenshaw collection: (1) petaloid, with a wide bit, and a bit that is wider than the body of the tool; Brown (1996:467) notes that these celts have “the mass concentrated behind the bit;” (2) pebble celts made from chert pebbles; (3) chisel/celt, with an elongated but relatively narrow body and bit; and (4) elongated celts with slightly tapered bits relative to the maximum width of the celt mid-section; they are widest and thickest at the middle of the tool. The petaloid celt form occurs

in late Fourche Maline, Early Caddo, and Middle Caddo burial features (Table 10) (Figures 261 and 262), the pebble celt form was made and used in late Fourche Maline and Early Caddo times (Figure 263b), the chisel/celt is an Early Caddo celt form (Figure 263a), and the elongated celts (Figure 264b) are from Early and Middle Caddo burial features. In general, raw materials used for celt manufacture are from sources in the Ouachita Mountains (or in Red River gravels), including sandstone, greenstone, and shale.

**Table 10. Celts from the Crenshaw site.**

Provenience/No.	PE	BW	W (mm)	L (mm)	Th (mm)	RM (mm)	Comments
<b><i>Late Fourche Maline</i></b>							
Pit 6, Mound B: N-613	FL	42.2	42.2	81.0	16.0	OM-1	petaloid
Burial 2, Cemetery 3:N-617	Ro	30.0+	44.0	110.0	26.0	OM-2	petaloid
Burial 4, Md. D: N-621	Ro	38.2	43.0	77.2	9.0	chert	pebble celt
Pit 13, Mound B: N-629	FL	33.0	32.0	84.0	15.0	chert	pebble celt
Cemetery NW of Md. B: N-731	Ro	34.0	34.0	82.4	11.3	chert	pebble celt
<b><i>Early Caddo</i></b>							
Upper layers of Md. D: N-610	Ro	39.0	39.0	68.0	18.1	OM-3	petaloid
Mound B, Pit 1: N-616	Ro	40.2	40.2	86.0	16.0	chert	pebble celt
Md. B, Pit 8: N-618	FL	24.0	25.0	75.0	14.0	OM-1	petaloid
Md. B, Pit 10:N-619	FL	50.0	48.0	145.0	27.0	chert	petaloid
Md. B, Pit 12: N-620	Ro	69.0	44.0	157.0	40.0	OM-2	petaloid
Upper levels of Md. B: N-626	FL	15.0	18.9	74.0	10.0	chert	chisel/celt
Md. B, Burial 10:N-627	Ro	39.5	39.5	102.0	13.6	OM-3	elongated
B.10, upper lvs. of Md. B:N-628	FL	14.0	14.0	94.0	N/A	chert	chisel/celt
<b><i>Middle Caddo</i></b>							
Mound D, Pit 1: N-614	Ro	30.0	37.0	154.0	33.0	OM-2	elongated
Mound D, Pit 1: N-615	Ro	34.0	38.0	116.0	31.0	OM-2	petaloid
<b><i>Temporally unknown</i></b>							
Md. D: N-609	Pt	52.0	56.0	92.0	34.0	OM-1	petaloid
SW edge of Md. D: N-611	Ro	39.0	41.0	92.0	27.0	OM-1	petaloid
B. 30 in cemet. S of Md. D:N-624	Ro	34.0	37.0	79.0	27.0	OM-2	petaloid
Burial in Md. D: N-625	FL	41.5	38.0	98.1	25.8	OM-2	petaloid

PE: poll end, Ro=rounded; FL=flat; BW=bit width; W=width; L=length; Th=thickness; RM=raw material: Ouachita Mountains (OM): 1, dark gray sandstone or quartzitic sandstone; OM-2, greenstone or siliceous shale; OM-3, black slate; SS=sandstone

Except for the celts made from chert pebbles, the celts from the Crenshaw site were generally chipped and pecked to shape, then smoothed to polished over their mid-sections, and they have polished bifacial bits (Figure 265); others still retain evidence of the pecking that was used to shape the tool, and the pecking was not smoothed or polished over (Figure 266a-b). The poll ends are rounded, except for certain examples of petaloid celts, pebble celts, and chisel/celts (see Table 10). One celt of unknown age (N-609) has a pointed poll end (see Figure 262b).



Figure 261. Petaloid celt, Mound D, N-625.



Figure 262. Petaloid celts from Mound D and Cemetery 3 southwest of Mound D: a, N-611; b, N-609; c, N-624.



Figure 263. Pebble celts and chisel/celts from the Crenshaw site: a, chisel/celt, N-626; b, pebble celt, N-621.



Figure 264. Elongated and petaloid celts from Middle Caddo burial features: a, petaloid celt, N-614; b, elongated celt, N-615.





Figure 265. Early Caddo polished celts: a, N-610; b, N-627.



Figure 266. Fourche Maline and Early Caddo celts with visible signs of pecking: a, N-617; b, N-620.

Pebble celts may or may not have visible flake scars (see Figure 263a, for a celt with lateral flake scars), and they are well polished. The bits are ground and polished to shape (Figure 267a, c), as are the poll ends. All surfaces of the chisel/celt forms are polished, but do not have flake scars. The bits appears to have been ground and polished to shape (Figure 268; see also Figure 263a).



**Figure 267. Pebble celts and a petaloid celt: a, N-731; b, N-613; c, N-616.**

The most unique celt from the Crenshaw site is a petaloid celt from Pit 10 in Mound B, an Early Caddo shaft tomb. This celt, which resembles the elongated celt form defined by Brown (1996:477 and Figure 2-78d), is made from a white siliceous material, possibly novaculite, and is an extremely well polished form with a wide bit that somewhat flares from the mid-section; only a few flake scars are visible on the polished tool (Figure 269). The bit has no evidence of use, and it is probable that this particular celt was not an ordinary utilitarian celt but a sociotechnic form (Brown 1996:478). Brown (1996:469) defends sociotechnic artifacts as “utilitarian objects modified to serve social purposes... possessing one or more mechanically dysfunctional attributes at the sacrifice of at least a single utilitarian one.”

### *Perforated Gorget*

The most distinctive ground stone artifact in the Crenshaw site collection at the Gilcrease Museum is a polished and perforated gorget (G-298) made from an unidentified black igneous rock. It resembles what have been called “bar gorgets” (Fundaburk and Foreman 2001:Plate 85) as well as perforated



Figure 268. Pebble celts, chisel/celts, and a petaloid celt: a, N-623; b, N-628; c, N-629; d, N-618.



Figure 269. Possible novaculite polished petaloid celt, N-619, Pit 10, Mound B.

spatulate celts (Fundaburk and Foreman 2001:Plate 86). The perforation may have been used to haft the tool (Harry Shafer, February 2011 personal communication). The ground stone tool is a funerary offering in a Middle Caddo Haley phase grave in Cemetery No. 3 south and southwest of Mound D (see Figure 5). The age of the tool has been established from the two vessels (see Figures 246-247) also found in the grave.

The perforated gorget has rounded distal and proximal ends, only a hint of a worked bit or poll end, flat edges, expands in width from the poll end to the bit (where it is 6.3 cm wide), and is only 18 cm thick. A single perforation or dill hole is near the poll end, and the hole was drilled from both surfaces of the polished tool; the perforations are 8.2 m in diameter (Figure 270).

### *Boatstones*

The two boatstones, likely used as atlatl weights (see Brown 1996:465), in the documented Crenshaw artifacts are from Late Fourche Maline contexts, both in Mound D (Lemley 1936:34), including Burial 6. Schambach (1982b:177-178) notes that boatstones are found in before pre-A.D. 500 and post-A.D. 500 burials and midden deposits in Fourche Maline culture sites in southwestern Arkansas. By late Fourche Maline times, boatstones are less common, and have a restricted distribution, in that they appear to be associated with burials with high status (Schambach 1982b:178).

Both of the boatstones are hollow-based and keeled forms, with a distinct central groove (4.9-5.6 mm wide) on their relatively flat base, and they are hollowed out to depths of 27.4-37.0 mm (Figure 271a-c). The boatstones are well polished, and made from igneous materials (diabase and trachyte, respectively) probably obtained from the Ouachita Mountains in central Arkansas (Rolingson and Howard 1997). They range in length from 59.0-80.0 mm and 24.0-35.2 mm in width.



**Figure 270.** Perforated gorget (G-298, 6123.1978) in a grave near and southwest of Mound D.



Figure 271. Boatstones from the Crenshaw site: a, side view, top, B-181, bottom, B-182; b, view of their base and central groove, top, B-181, bottom, B-182; c, view of the hollowed out areas, top, B-181, bottom, B-182.

## Quartz Crystals and Other Artifacts

### *Quartz Crystals*

There are 18 quartz crystals or crystal fragments in the Crenshaw collections at the Gilcrease Museum (Table 11). Their context suggests they were grave good accompaniments for an Early Caddo grave in Mound B, as well as likely offerings of the same age in Mound D. The quartz crystals in the northeast part of Mound D were placed underneath a cache of 30 arrow points (H-385), likely as a mortuary votive offering.

**Table 11. Distribution of quartz crystals and quartz crystal fragments from the Crenshaw site.**

Provenience	Crystal	Crystal fragment
Md. B, Pit 8, NE corner	8	5
Md. D, upper levels	–	3
Md. D, NE part, 2 ft. bs	–	2
Totals	8	10

The complete crystals and fragments in Mound B, Pit 8 had been placed in the northeast corner of the burial pit. The largest of the crystals range from 11.1-12.8 cm in length, are six-sided, are between 6.4-7.6 cm in width, and 5.1-5.4 cm thick (Figure 272a-b). They appear to be unmodified.

It is not an unusual occurrence to have quartz crystals and crystal fragments as offerings in Caddo burials (e.g., Bohannon 1973; Perttula et al. 1998; Webb 1959) throughout the Caddo area, especially in shaft tombs in mound contexts from major Caddo civic ceremonial centers and in large community cemeteries. Given their context at Crenshaw and other sites, quartz crystals were probably a source of power for adult males in Caddo societies, as they were for other Southeastern U.S. American Indian groups (see Hudson 1976:168, 356-357). Charles Hudson (1976:356-357) notes that quartz crystals were aids in hunting and in predicting the future, and they “had to be handled carefully. They were hidden in a dry place until they were actually used, and they were never kept inside one’s house.” Emerson (1989:82) further comments that because quartz crystals were considered “underworld” objects, they gave the owners power, but a power that had to be carefully controlled by caring for the crystal: “When the owner died it [the quartz crystal] was buried with him or else it would roam free, seeking the lives of men.”

### *Stone Ear spools*

Two undecorated ear spools made from a very fine-grained sandstone or siltstone are in the Crenshaw collection (Figure 273a-b). Both are associated with Skeleton 1 in Pit 1 in Mound D, one at each ear of the deceased individual. This is a Middle Caddo, Haley phase burial feature.

The first ear spool (E-30), 57 mm in diameter and 4.2 mm thick, has two internal flanges (for attachment) on the interior surface and a slightly depressed center on the outer ear spool surface (Figure 273b, left). This resembles the unperforated pulley-shaped form defined by Brown (1996:Figure 2-118f). The rectangular flanges are 22 x 23 mm in length and width, and they stand to a height of 9 mm (Figure 273a, left). There are traces of copper staining on the outer surface.



Figure 272. Quartz crystals from the northeast corner of Pit 8 in Mound B: a, M-301 (6125.278); b, M-301 (6125.279).

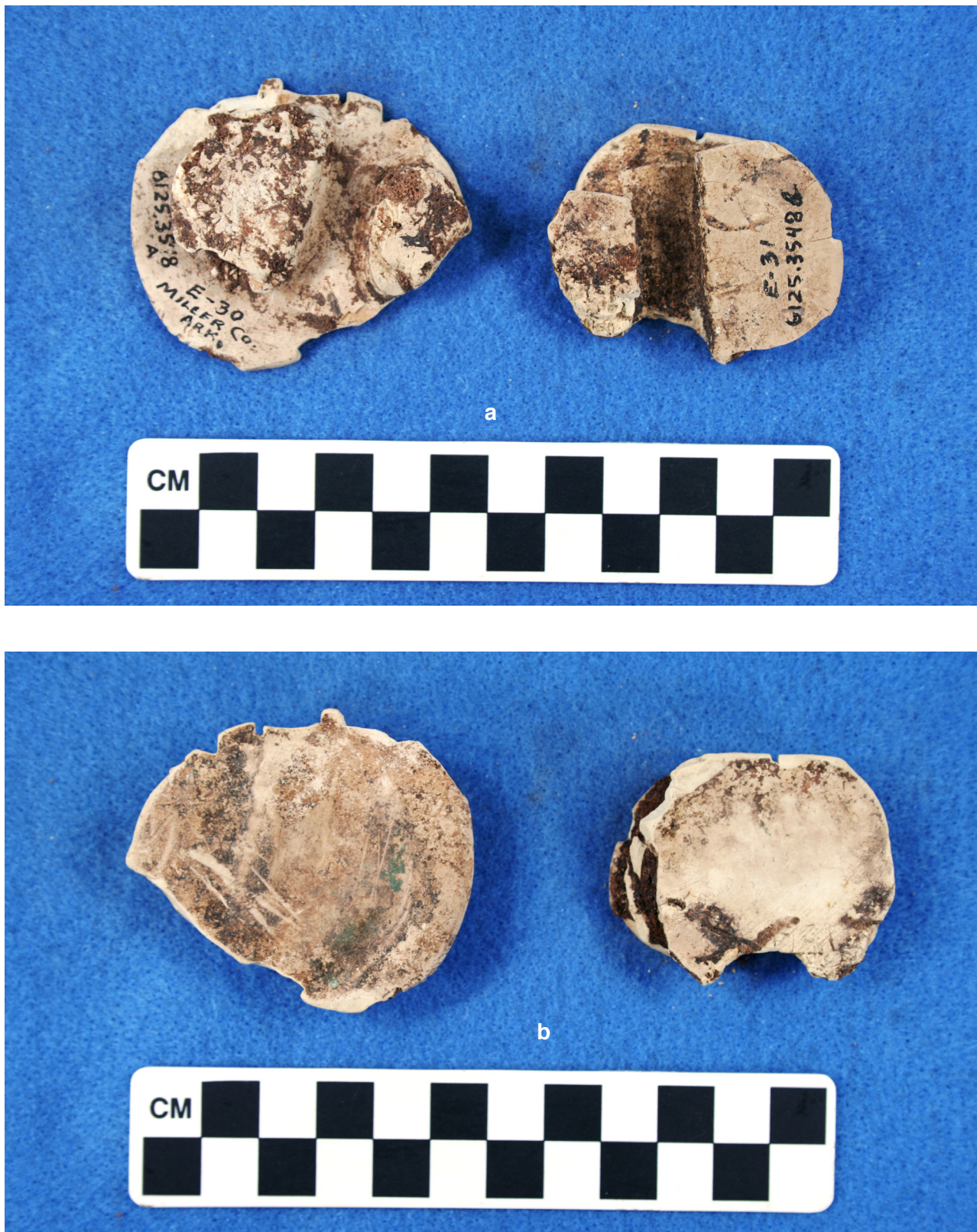


Figure 273. Sandstone or siltstone ear spools from Mound D: a, inner surface, left (E-30), right (E-31); b, outer surface, left (E-30), right (E-31).

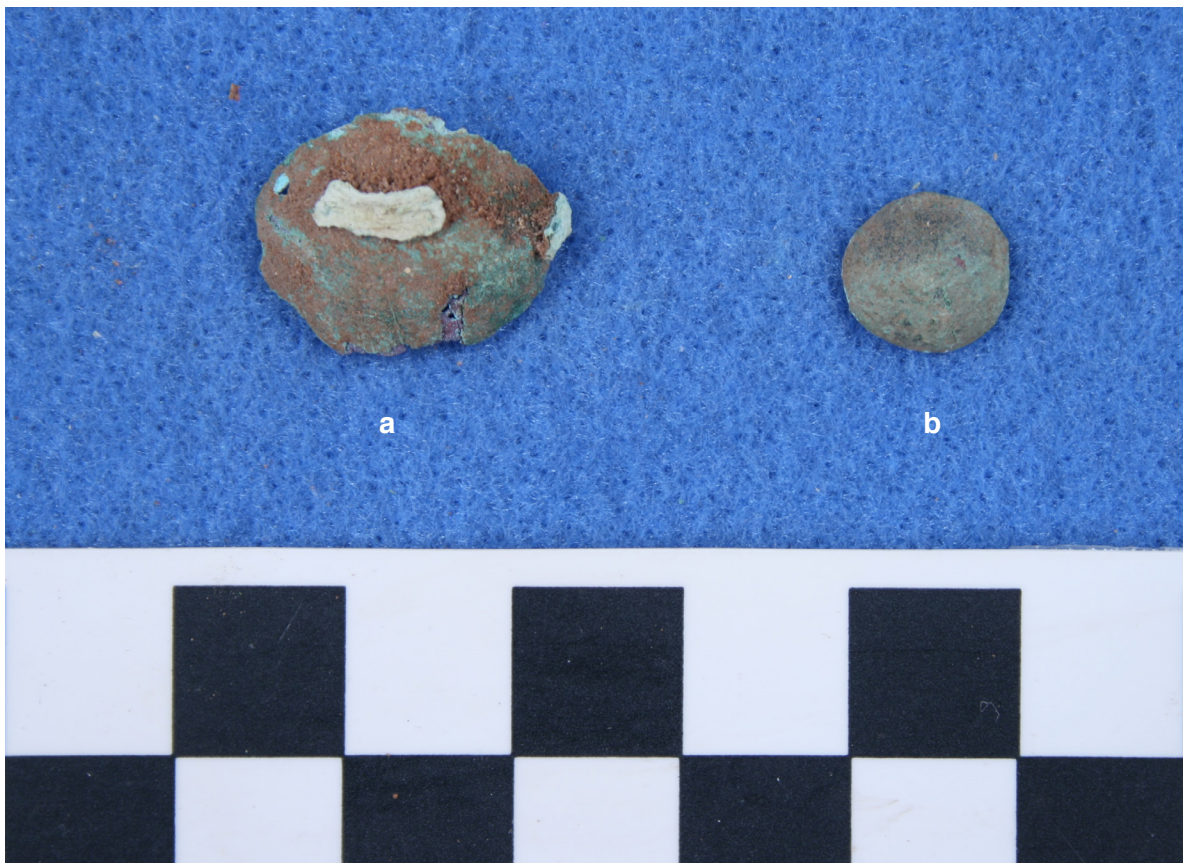


The second ear spool, 49 mm in diameter, also has a depressed or concave outer surface (Figure 273b, right). The inner spool surface has a different form of attachment than the first ear spool, namely a deep groove down the center, dividing the inner surface into two more elongated lugs or attachment. This resembles the post-A.D. 1350 Foster type ear spools (Brown 1996:569 and Figure 2-121e).

### *Copper Artifacts*

There are two small pieces of copper in the NAGPRA collections from the Crenshaw site. The first (Figure 274a) is a sphere-shaped object with a drilled suspension hole, probably an ornament meant to be worn on clothing. The piece, 17.5 mm in diameter, came from 1 ft. bs in Mound D, probably from one of the near surface Caddo burials in the mound.

The other copper artifact is the copper covering to a shell ear spool (see Figure 274b). It is 9.0 mm in diameter. It was found in Mound B, Burial 2, in the upper levels of the mound, and it probably of Early Caddo period age.



**Figure 274.** Copper artifacts from the Crenshaw site: a, sphere-shaped, Md. D, 1 ft. bs, M-323, 6325.131; b, copper covering to ear spool, E-35, 6325.130.

Exotic copper artifacts have also been found in the Early Caddo “House of the Priest” ash deposits at the Crenshaw site. These include small copper beads and bangles from the ash deposits associated with the use of this special purpose structure (Jackson et al. 2012).

### *Pigments*

A large mass of purple pigment was associated with Skeleton 4 in Pit 4, Mound B; this is an Early Caddo grave. The pigment mass is 11.0 x 8.5 cm in length and width and 4.5 cm thick. There are preserved pole and cord impressions on the mass (Figure 275). The fact that there are impressions of cordage and a wood pole on the pigment mass suggests that it had been tightly wrapped around a pole (perhaps used in the burial treatment) that was 4.0 cm wide, at least 10.0 cm in length, and at least 1.6 cm in thickness (the depth to which the pole was set into the pigment), and then tied with a piece of cordage (5.5 cm in length and 0.4 cm wide; the impression is 0.2 cm deep). In addition to these impressions, the other side of the pigment mass had two linear impressions, perhaps poorly preserved cordage impressions.



Figure 275. Pigment mass with large pole impression and cord impression on one surface, M-299, 5925.1.

### Marine Shell Artifacts

A single marine shell columella bead was found inside Vessel 1319, a Handy Engraved vessel placed in Pit 1 in Mound D. This is a Haley phase tomb excavated from the top of Mound D (see Figure 4). The bead is 39.0 mm in length and 10.5 mm in width; it was fashioned from a segment of a conch columella.

A second marine shell artifact is an undecorated conch shell cup from Pit 8 in Mound B. This is an Early Caddo shaft tomb context at the Crenshaw site. The outer or dorsal surface of the shell (Figure 276a) has been little modified, except perhaps to grind and/or polish some of the growth lines on the body and the spines and knobs along the shoulder (see Phillips and Brown 1978:Figures 8 and 10). The ventral or inner conch shell has been cut to remove the columella, and then ground and/or polished (Figure 276b). The cup is 21.2 cm in length and 13.8 cm in width.



**Figure 276.** Conch shell cup from the Crenshaw site, Pit 8 in Mound B, M-295: a, outer or dorsal surface; b, inner or ventral surface.

### Bone Artifacts

A range of bone tools (n=14) are in the Crenshaw collections. They include smoothed bone pins from both Late Fourche Maline and Early Caddo burial contexts in Mound B, as well as bone needles, awls and punches, and cut and grooved deer antlers in Early Caddo shaft tombs in Mound B (Table 12). Almost 80% of the bone artifacts in the collection are from Early Caddo burial features. There are also bone pin and needle fragments in the Gilcrease collection from Late Fourche Maline habitation debris under Mound B.

**Table 12. Bone tools by provenience at the Crenshaw site.**

Provenience	BP*	BN	UT	DA	N
<i>Late Fourche Maline</i>					
B. 3 in cemetery northwest of Md. B	1	–	–	–	1
Pit 3 in Md. B	1	–	–	–	1
Pit 6, Md. B	1	–	–	–	1
<i>Early Caddo period</i>					
Pit 1, Md. B	3	–	–	–	3
Pit 8, Md. B	1	1	–	–	2
Pit 10 in Md. B	1	–	2	3	6
Totals	8	1	2	3	14

\*BP=bone pin; BN=bone needle; UT=deer ulna tools (awls and punches); DA=deer antler

The bone pins from Late Fourche Maline contexts at the site are smoothed, wider at the flat end, and have a thin circular point at the working end of the pin (Figure 277). The pins range from 5.7-17 mm in thickness at the flat end, and 3.6-7 mm near the tip. The one complete pin is 14.5 cm in length. A bone needle from Fourche Maline village debris (Figure 278, second from top) is polished, with a round end and a sharp and pointed needle tip. It is 8.8 cm in length and only 4.3 mm in diameter.



**Figure 277. Smoothed bone pin from Fourche Maline cemetery 300 yards northwest of Mound B, D-158, 8325.536.**

In Early Caddo contexts, several of the bone pins have horizontal engraved and grooved lines cut into the bone at the rounded butt end of the tool that would have been held in the hand (Figure 278, third from top), opposite the point. All of the pins have been broken at the tip, and thus their total length is not known. The longest bone pin, from Pit 8 in Mound B, is at least 12.6 cm in length (Figure 278, bottom). In diameter, they range from 5.3-7.3 mm.



**Figure 278.** Bone pins and needles, Fourche Maline and Early Caddo contexts: top, D-119 (Md. B, Pit 8); second from top, D-110 (Fourche Maline village debris under Md. D); third from top, D-115 (Md. B, Pit 1); bottom, D-118 (Md. B, Pit 8).

The one bone needle from Early Caddo contexts at the Crenshaw site has a smoothed surface and a pointed tip (see Figure 278, top). It is 5.0 mm in diameter, and at least 87 mm in length.

All of the deer bone awls/punches and antler tool fragments are from Pit 10 in Mound B (Figure 279a-b). The awls/punches are made on complete deer ulnae that were shaped to an elongated but sharp tip. The tools are 14.7-15.5 cm in length and 3.0-3.6 cm in width where they would have been hand-held; the working tips are a maximum of 3.6-4.1 cm in width.



**Figure 279.** Bone awls/punches from Mound B, Pit 10: a, D-122; b, D-123.

The three pieces of antler fragments from Pit 10 in Mound B have not obviously been worked or shaped into tools, although one has an antler tine that would have been well suited for use as an awl or punch (Figure 280, top). It is also possible that the antlers may have been part of headdresses or other costumes used in Early Caddo rituals, and never had a tool function. The other two antler sections are from near the antler base. Both have grooves cut around the base of the antler, presumably to separate the antler into sections or different segments, although this was not completed in these two cases.



**Figure 280.** Antler fragments from Mound B, Pit 10: top and middle, D-120; bottom, D-121.

### **NAGPRA Findings and Recommendations**

In this report, we have documented funerary objects from the Crenshaw site (3MI6) in the Great Bend area of the Red River in Miller County, Arkansas. The archeological evidence that has been reviewed in this study, and the documentation of the funerary objects, comes from burial features in Mounds B and D, and Cemetery 3, an off-mound cemetery. Analysis of the funerary objects and their archeological context, coupled with the recent radiocarbon dating completed by the Arkansas Archeological Survey from Crenshaw burial features, indicate that the NAGPRA objects are associated with late Fourche Maline (ca. A.D. 850-1000), Early Caddo (ca. A.D. 1000-1200), Middle Caddo (ca. A.D. 1200-1400), and Late Caddo (ca. post-A.D. 1500) burial features.

As has been well-stated and summarized by Schambach (2002:91, 101, 108-110), the Fourche Maline culture, which apparently lasted until ca. A.D. 1000 at the Crenshaw site “evolved into Caddo culture” and “were the builders of the Caddo tradition.” Thus, these Woodland peoples also represent ancestral Caddo peoples. Both archeological and bioarcheological (see Rose et al. 1998) evidence from the Caddo area provides compelling evidence that Fourche Maline peoples were ancestral to the southern Caddo peoples living in southwestern Arkansas. Rose et al. (1998:115) have stated, based on bioarcheological analyses of Fourche Maline and later Caddo burials, that there is “not even a hint that the southern Caddo populations did not derive from the preceding Fourche Maline inhabitants.”

We have made the following findings under NAGPRA for the Gilcrease Museum NAGPRA collections from the Crenshaw site:

- First, the funerary objects documented at the Crenshaw site, and the information in the Gilcrease Museum files on the context of these offerings, as part of this study are from ancestral Caddo burials dating from ca. A.D. 850-1500+. It is well known from archeological, bioarcheological, historical, archival, and oral historical records that the prehistoric and early Historic Caddo peoples are ancestral to the modern-day Caddo Nation of Oklahoma (Rogers and Sabo 2004: Figure 1), and the Crenshaw site is situated within the ancestral territory of the Caddo people. Consequently, the funerary objects from the Crenshaw site burial features documented in this report are culturally affiliated with the Caddo Nation of Oklahoma as defined in 25 U.S.C. 3001, Section 2 and Code of Federal Regulations, Title 43, Part 10, Section 10.2(e). These funerary objects include all whole vessels and other funerary offerings from the Crenshaw site discussed and documented in this report;
- Second, the preponderance of archeological evidence supports this finding, namely (a) the manner of burial practice when that information is available (i.e., in a pit, grave, or shaft tomb where the body of a deceased ancestral Caddo individual was laid in the grave with a variety of funerary objects placed around the body); (b) the kinds of funerary objects placed with the deceased, including culturally diagnostic and well-recognized Fourche Maline and Caddo pottery types; (c) the fact that whole pottery vessels on Fourche Maline and Caddo sites are, to a greater than reasonable certainty, from offerings from Fourche Maline and Caddo burial features; and (d) the occurrence of the burials from the site in direct association with either Fourche Maline or Caddo mound features;
- and third, because there are no human remains in the Gilcrease Museum NAGPRA collections from the Crenshaw site, these ancestral Caddo funerary objects are considered unassociated funerary objects (25 U.S.C. 3001, Section 2 (3)(b) and Code of Federal Regulations, Title 43 Section 10.2(d)(2)(ii).



### **End Notes**

1. Schambach (1982b:152) suggests that plain wares are actually more common than this in the vessel assemblage, because early excavators were ignoring the plain pottery vessels “in favor of the decorated types.” This vessel collecting bias may also apply to the Early and Middle Caddo ceramic vessels in the Crenshaw collection from the Gilcrease Museum, given their rarity.

### References Cited

Banks, L. D.

1990 *From Mountain Peaks to Alligator Stomachs: A Review of Lithic Sources in the Trans-Mississippi South, the Southern Plains, and Adjacent Southwest*. Memoir No. 4. Oklahoma Anthropological Society, Norman.

Bell, R. E.

1972 *The Harlan Site, Ck-6, A Prehistoric Mound Center in Cherokee County, Eastern Oklahoma*. Memoir 2. Oklahoma Anthropological Society, Norman.

Bohannon, C. F.

1973 *Excavations at the Mineral Springs Site, Howard County, Arkansas*. Research Series No. 5. Arkansas Archeological Survey, Fayetteville.

Bonds, J.

2006 *Art of the Ancient Caddo*. Grove Hill Publishing, Leonard, Texas.

Brown, J. A.

1996 *The Spiro Ceremonial Center: The Archaeology of Arkansas Valley Caddoan Culture in Eastern Oklahoma*. 2 Vols. Memoirs No. 29. Museum of Anthropology, The University of Michigan, Ann Arbor.

Cast, R., T. K. Perttula, B. Gonzalez, and B. Nelson

2006 *Documentation of Caddo Ceramic Vessels from 41WD60, Wood County, Texas*. Historic Preservation Program, Caddo Nation of Oklahoma, Binger, Oklahoma.

Davis, H. A.

1962 The Destruction of Mound C at the Crenshaw Site. *Plains Anthropologist* 7(16):88.

Dickinson, S. D.

1936 Ceramic Relationships of the Pre-Caddo Pottery from the Crenshaw Site. *Bulletin of the Texas Archeological and Paleontological Society* 8:56-69.

Dowd, E. L.

2011 Sourcing Red River Jasper: An Archaeological and Geological Investigation of a Gravel Chert in the Red River Drainage. *Caddo Archeology Journal* 21:89-106.

Durham, J. H.

1964 Notes on the 1961-62 Excavations at the Crenshaw Site, 3MI6, in Arkansas. *Oklahoma Anthropological Society Newsletter* 21(6):4-8.

1975 Additional Information on Burial Associations, Crenshaw Site, Mound C, Miller County, Arkansas. *Bulletin of the Oklahoma Anthropological Society* 24:155-160.

Durham, J. H. and M. K. Davis

1975 Report on the Burials Found at Crenshaw, Mound C, Miller County, Arkansas. *Bulletin of the Oklahoma Anthropological Society* 23:1-90.

Durham, J. H. and G. L. Kizzia

1964 A Deep Burial in Crenshaw Mound C, Miller County, Arkansas. *Central States Archaeological Journal* 11 (2):44-67.

Emerson, T. E.

1989 Water, Serpents, and the Underworld: An Exploration into Cahokian Symbolism. In *The Southeastern Ceremonial Complex: Artifacts and Analysis, The Cottonlandia Conference*, edited by P. Galloway, pp. 45-92. University of Nebraska Press, Lincoln.

Ferring, C. R. and T. K. Perttula

1987 Defining the Provenance of Red-Slipped Pottery from Texas and Oklahoma by Petrographic Methods. *Journal of Archaeological Science* 14:437-456.

Fundaburk, E. L. and M. D. Foreman (editors)

2001 *Sun Circles and Human Hands: The Southeastern Indians Art and Industries*. University of Alabama Press, Tuscaloosa.

Gadus, E. F., R. C. Fields, J. K. McWilliams, J. Dockall, and M. C. Wilder

2006 *National Register Testing of Seven Prehistoric Sites in the Sabine Mine's Area Q, Harrison County, Texas*. Reports of Investigations No. 147. Prewitt & Associates, Inc., Austin.

Gonzalez, B., R. L. Cast, T. K. Perttula, and B. Nelson

2005 *A Rediscovering of Caddo Heritage: The W. T. Scott Collection at the American Museum of Natural History and Other Caddo Collections from Arkansas and Louisiana*. Historic Preservation Program, Caddo Nation of Oklahoma, Binger.

Hoffman, M. P.

1967 Ceramic Pipe Style Chronology Along the Red River Drainage in Southwestern Arkansas. *The Arkansas Archeologist* 8(1):4-14.

1970 Archaeological and Historical Assessment of the Red River Basin in Arkansas. In *Archeological and Historical Resources of the Red River Basin*, edited by H. A. Davis, pp. 135-194. Research Series No. 1. Arkansas Archeological Survey, Fayetteville.

Hudson, C. M.

1976 *The Southeastern Indians*. The University of Tennessee Press, Knoxville.

Jackson, H. E., S. L. Scott, and F. Schambach

2012 At the House of the Priest: Faunal Remains from the Crenshaw Site (3MI6), Southwestern Arkansas. In *The Archaeology of the Caddo*, edited by T. K. Perttula and C. P. Walker, pp. 47-85. University of Nebraska Press, Lincoln.

Lemley, H. J.

1936 Discoveries Indicating a Pre-Caddo Culture on Red River in Arkansas. *Bulletin of the Texas Archeological and Paleontological Society* 8:25-55.

Miller, J. E., III

1986 The Myers Mound: Salvage Excavations at a Caddo II Site in Southwest Arkansas. *The Arkansas Archeologist* 23/24:67-127.

- 306 *Caddo Funerary Objects from the Crenshaw Site (3MI6) in the Gilcrease Museum Collections*
- 2011 Some Notes on Replicating Prehistoric Pottery. *Caddo Archeology Journal* 21:5-28.
- Moore, C. B.  
1912 Some Aboriginal Sites on Red River. *Journal of the Academy of Natural Sciences of Philadelphia* 14:481-644.
- Perttula, T. K.  
2011a Vessel Documentation, Caddo Sites in Anderson and Cherokee Counties, Texas, in the upper Neches River Basin. In *Archeological Investigations at the Lang Pasture Site (41AN38) in the Upper Neches River Basin of East Texas*, assembled and edited by T. K. Perttula, D. B. Kelley, and R. A. Ricklis, pp. 703-981. Report No. 129. Texas Department of Transportation, Archeological Studies Program, Environmental Affairs Division, Austin.  
2011b The Pipe Site, a Late Caddo Site at Lake Palestine in Anderson County, Texas. *Journal of Northeast Texas Archaeology* 35:47-80.
- Perttula, T. K.  
2005 (Editor) *Archeological Investigations at the Pilgrim's Pride Site (41CP304), a Titus Phase Community in the Big Cypress Creek Basin, Camp County, Texas*. 2 Vols. Report of Investigations No. 30. Archeological & Environmental Consultants, LLC, Austin.
- Perttula, T. K., M. Walters, R. Cast, B. Gonzalez, and B. Nelson  
2007 *Documentation of Funerary Offerings from a Prehistoric Caddo Burial at Site 41WD244, Wood County, Texas*. Caddo Nation of Oklahoma and Archeological & Environmental Consultants, LLC, Binger and Austin.
- Perttula, T. K., R. Cast, B. Gonzalez, and B. Nelson  
2009a *Documentation of Unassociated and Culturally Unidentifiable Funerary Objects in the U.S. Army Corps of Engineers, Fort Worth District Collections Housed at the Texas Archeological Research Laboratory at the University of Texas at Austin*. Special Publication No. 13. Friends of Northeast Texas Archaeology, Pittsburg and Austin.
- Perttula, T. K., B. Nelson, M. Walters, R. Cast, and B. Gonzalez  
2009b *Documentation of Caddo Funerary Objects in the Gilcrease Museum Collections*. Historic Preservation Program, Caddo Nation of Oklahoma, Binger.
- Perttula, T. K., B. Nelson, R. L. Cast, and B. Gonzalez  
2010 *The Clements Site (41CS25): A Late 17<sup>th</sup> to Early 18<sup>th</sup>-Century Nasoni Caddo Settlement and Cemetery*. Anthropological Papers No. 92. American Museum of Natural History, New York.
- Perttula, T. K., M. Tate, H. Neff, J. W. Cogswell, M. D. Glascock, E. Skokan, S. Mulholland, R. Rogers, and B. Nelson  
1998 *Analysis of the Titus Phase Mortuary Assemblage at the Mockingbird Site, Kahbakayammaahin, 41TT550*. Document No. 970849. Espey, Huston & Associates, Inc., Austin.
- Perttula, T. K., M. Walters, B. Nelson, B. Gonzalez, and R. Cast, with a contribution by R. G. Franciscus  
2008 *Documentation of Associated and Unassociated Funerary Objects in the Stephen F. Austin State University Collections, Nacogdoches, Texas*. Historic Preservation Program, Caddo Nation of Oklahoma. Binger, Oklahoma.

Phillips, P. and J. A. Brown

1978 *Pre-Columbian Shell Engravings from the Craig Mound at Spiro, Oklahoma*. 2 Parts. Peabody Museum Press, Peabody Museum of Archaeology and Ethnology, Harvard University, Cambridge.

Powell, M. L.

1977 Prehistoric Ritual Skull Burials at the Crenshaw Site (3MI6), Southwest Arkansas. *Bulletin of the Texas Archeological Society* 48:111-118.

Rice, P. M.

1987 *Pottery Analysis: A Sourcebook*. University of Chicago Press, Chicago.

Rogers, J. D. and G. Sabo III

2004 Caddo. In *Southeast, Volume 14 of the Handbook of North American Indians*, edited by R. D. Fogelson, pp. 616-631. Smithsonian Institution, Washington, D.C.

Rolingson, M. A.

1998 *Toltec Mounds and Plum Bayou Culture: Mound D Excavations*. Research Series 54. Arkansas Archeological Survey, Fayetteville.

Rolingson, M. A. and J. M. Howard

1997 Igneous Lithics of Central Arkansas: Identification, Sources, and Artifact Distribution. *Southeastern Archaeology* 16:33-50.

Rose, J. C., M. P. Hoffman, B. A. Burnett, A. M. Harmon, and J. E. Barnes

1998 Skeletal Biology of the Prehistoric Caddo. In *The Native History of the Caddo: Their Place in Southeastern Archeology and Ethnohistory*, edited by T. K. Perttula and J. E. Bruseth, pp. 113-126. Studies in Archeology 30. Texas Archeological Research Laboratory, The University of Texas at Austin.

Samuelsen, J. R.

2009 Archaeogeophysical Investigations of Early Caddo Settlement Patterning at the Crenshaw Site (3MI6). Master's thesis, Department of Anthropology, University of Arkansas, Fayetteville.

2010 Geophysical Investigations of Late Fourche Maline and Early Caddo Settlement Patterning at the Crenshaw Site (3MI6). *Southeastern Archaeology* 29(2):261-278.

Schambach, F. F.

1971 Exploratory Excavations in the Midden Areas at the Crenshaw Site, Miller County, Arkansas. Report submitted to the National Science Foundation in partial fulfillment of NSF Grant No. GS-2684 by the Arkansas Archeological Survey, Fayetteville.

1982a The Archeology of the Great Bend Region in Arkansas. In *Contributions to the Archeology of the Great Bend Region*, edited by F. F. Schambach and F. Rackerby, pp. 1-11. Research Series No. 22. Arkansas Archeological Survey, Fayetteville.

1982b An Outline of Fourche Maline Culture in Southwest Arkansas. In *Arkansas Archeology in Review*, edited by N. L. Trubowitz and M. D. Jeter, pp. 132-197. Research Series No. 15. Arkansas Archeological Survey, Fayetteville.

- 308 *Caddo Funerary Objects from the Crenshaw Site (3MI6) in the Gilcrease Museum Collections*
- 1996 Mounds, Embankments, and Ceremonialism in the Trans-Mississippi South. In *Mounds, Embankments, and Ceremonialism in the Midsouth*, edited by R. C. Mainfort and R. Walling, pp. 36-43. Research Series No. 46. Arkansas Archeological Survey, Fayetteville.
- 2001 Fourche Maline and its Neighbors: Observations on an Important Woodland Period Culture of the Trans-Mississippi South. *The Arkansas Archeologist* 40:21-50.
- 2002 Fourche Maline: A Woodland Period Culture of the Trans-Mississippi South. In *The Woodland Southeast*, edited by D. G. Anderson and R. C. Mainfort, Jr., pp. 91-112. University of Alabama Press, Tuscaloosa.
- Scott, S. L. and H. E. Jackson
- 1998 Early Caddo Ritual and Patterns of Animal Use: An Analysis of the Faunal Remains from the Crenshaw Site (3MI6), Southwestern Arkansas. *The Arkansas Archeologist* 37:1-37.
- Shafer, H. J.
- 2011 Comparing the Boxed Springs Lithics to Other Early Caddo Sites. In *Archaeological and Archaeogeophysical Investigations at an Early Caddo Mound Center in the Sabine River Basin of East Texas*, assembled by T. K. Perttula, pp. 112-137. Special Publication No. 15. Friends of Northeast Texas Archaeology, Pittsburg and Austin.
- Skibo, J. M.
- 1992 *Pottery Function: A Use-Alteration Perspective*. Plenum Press, New York.
- Suhm, D. A. and E. B. Jelks (editor)
- 1962 *Handbook of Texas Archeology: Type Descriptions*. Special Publication No. 1, Texas Archeological Society, and Bulletin No. 4, Texas Memorial Museum, Austin.
- Teltser, P. A.
- 1993 An Analytic Strategy for Studying Assemblage-Scale Ceramic Variation: A Case Study from Southeast Missouri. *American Antiquity* 58(3):530-543.
- Wood, W. R.
- 1962 The Crenshaw Site: A Coles Creek and Caddoan Mound Group in Miller County, Arkansas. University of Arkansas Museum, Fayetteville.
- 1963a A Preliminary Report on the 1962 Excavations at the Crenshaw Site-3M16. In *Arkansas Archeology, 1962*, edited by C. R. McGimsey, III, pp. 1-14. Arkansas Archeological Society, Fayetteville.
- 1963b Two New Projectile Points: Homan and Agree. *Arkansas Archeological Society Bulletin* 4(2):1-6.
- 1966 Crenshaw Site. In *Caddoan Area Field Reports, 1962-1964 Seasons*, edited by H. A. Davis, pp. 1-2. University of Arkansas Museum, Fayetteville
- 2011 *A White-Bearded Plainsman: The Memoirs of Archaeologist W. Raymond Wood*. University of Utah Press, Salt Lake City.
- Webb, C. H.
- 1959 *The Belcher Mound, a Stratified Caddoan Site in Caddo Parish, Louisiana*. Memoirs No. 16. Society for American Archaeology, Salt Lake City.