# ORIENTAL INSTITUTE NUBIAN EXPEDITION • Vol. VI 

THE ORIENTAL INSTITUTE OF THE UNIVERSITY OF CHICAGO

Thomas A. Holland • Series Editor
with the assistance of Thomas G. Urban • Editor


Map Showing Location of Principal Nubian Sites

# CAMPAGNE INTERNATIONALE POUR LA SAUVEGARDE DES MONUMENTS DE LA NUBIE 

THE UNIVERSITY OF CHICAGO ORIENTAL INSTITUTE NUBIAN EXPEDITION VOLUME VI

# EXCAVATIONS BETWEEN ABU SIMBEL AND THE SUDAN FRONTIER KEITH C. SEELE, DIRECTOR 

## PART 6:

NEW KINGDOM REMAINS FROM CEMETERIES R, V, S, AND W AT QUSTUL AND CEMETERY K AT ADINDAN
by
BRUCE BEYER WILLIAMS
with a contribution by
WILLIAM J. MURNANE

Internet publication of this work was made possible with the generous support of Misty and Lewis Gruber

# Library of Congress Catalog Card Number: 68-3148 <br> ISBN: 0-918986-86-9 <br> The Oriental Institute, Chicago <br> © 1992 by The University of Chicago. All rights reserved. <br> Published 1992. Printed in the United States of America. 

## Editor's Acknowledgments

The Oriental Institute once again thanks Cleo Huggins of Mountain View, California for providing the hieroglyphic fonts used in Appendix $B$ to reproduce the inscriptions on the coffin fragments. Cleo's cooperation and generosity are deeply appreciated. The font used for the remainder of the text, CuneiformOriental, was created by Lloyd Anderson of Ecological Linguistics (P.O. Box 15156, Washington, D.C. 20003)

Dr. Emily Teeter, Assistant Curator of the Oriental Institute Museum, offered several valuable suggestions for the design of this volume, one of which was to include an additional map of Nubia showing many of the Nubian sites mentioned in the text; this map is given as the frontispiece and was created by Mary Carlisle, former Preparator of the Oriental Institute Museum. The addition of a list of objects registered by the Oriental Institute Museum and Cairo Museum was also suggested by Emily.

Special thanks are due to John Darnell, Epigrapher of the Epigraphic Survey, and his wife Deborah for their help with the interpretation of the glyptic on the scarabs.

The illustrations were prepared for publication by Lynn Michaels of Color Concept Company. James Willis, Publications Assistant, assisted with the paste-up of the illustrations.

## DEDICATION

to Mrs. Elizabeth Tieken

## TABLE OF CONTENTS

LIST OF ABBREVIATIONS ..... xi
LIST OF FIGURES ..... xiii
LIST OF PLATES ..... xix
LIST OF TABLES ..... xxi
BIBLIOGRAPHY ..... xxiii
ACKNOWLEDGMENTS ..... xxxiii
PREFACE ..... xxxv
CHAPTER 1. CHRONOLOGY AND BURIAL CUSTOMS ..... 1
A. THE PROBLEM OF CULTURAL ORIENTATION IN THE NEW KINGDOM ..... 1

1. Egyptian Burial Customs ..... 3
2. Non-Egyptian Burial Customs ..... 4
B. CHRONOLOGY AND THE PROBLEM OF SETTLEMENT IN THE NEW KINGDOM ..... 5
3. The Hyksos Period ..... 6
4. The Early New Kingdom ..... 7
5. The Era of Thutmose III ..... 9
6. The Reign of Amenhotep II ..... 10
7. The Reign of Thutmose IV ..... 11
8. The Reign of Amenhotep III ..... 12
9. The Amarna and Post-Amarna Periods ..... 12
10. The Late New Kingdom ..... 13
11. Dating the Groups at Qustul and Adindan ..... 14
C. BURIAL CUSTOMS AT QUSTUL AND ADINDAN ..... 20
CHAPTER 2. POTTERY ..... 23
A. POTTERY IN NEW KINGDOM NUBIA ..... 23
B. MANUFACTURE OF NEW KINGDOM POTTERY ..... 24
12. Clay ..... 24
13. Treatment ..... 25
14. Temper ..... 25
15. Shaping ..... 26
16. Drying ..... 26
17. Surface Treatments and Decoration ..... 26
CHAPTER 2. POTTERY (cont.)
B. MANUFACTURE OF NEW KINGDOM POTTERY (cont.)
18. Firing ..... 28
19. Post-Firing Treatments ..... 29
C. CLASSIFICATION AND NEW KINGDOM POTTERY ..... 29
20. Form-Groups in New Kingdom Pottery ..... 31
21. Special Groups in Egyptian Ordinary Pottery ..... 33
22. Classification of the Corpus ..... 33
D. THE NEW KINGDOM POTTERY SHAPES ..... 34
23. Bowl ..... 34
24. Jar ..... 37
25. Stand ..... 46
26. Coarse Platter and Platter-Stand and Burner ..... 47
27. Hob ..... 47
28. Crucible ..... 47
29. Baking or Roasting Tube ..... 47
30. Doka or Coarse Tray ..... 47
CHAPTER 3. OBJECTS ..... 89
A. Stelae ..... 89
B. FUNERARY EQUIPMENT ..... 89
31. Coffins ..... 89
32. Shawabti ..... 92
C. FURNITURE ..... 92
33. Headrests ..... 92
34. Ivory Inlays ..... 93
D. COSMETIC CONTAINERS ..... 93
35. Kohl Tubes ..... 93
36. Stone Vessels ..... 94
E. OTHER COSMETIC IMPLEMENTS ..... 97
37. Applicators or Kohl Sticks ..... 97
38. Tweezers ..... 97
39. Mirrors ..... 97
40. Razors ..... 99
41. Cutting-Out Knives or Trimmers ..... 100
F. OTHER IMPLEMENTS OR WEAPONS ..... 100
42. Ax ..... 100
43. Other Metal Implements ..... 100
CHAPTER 3. OBJECTS (cont.)
G. METAL VESSELS ..... 101
44. Bowls ..... 101
45. Stand ..... 101
46. Pitcher ..... 101
H. Single Piece Jewelry ..... 102
47. Bracelets ..... 102
48. Hair Rings/Earrings ..... 102
I. GLYPTIC ..... 104
J. AMULETS AND PENDANTS ..... 118
49. Taweret Amulet ..... 118
50. Bes Amulet ..... 118
51. Falcon Amulet ..... 119
52. Hathor Symbol Amulet ..... 119
53. Wedjat-Eye Amulet ..... 119
54. Scarab Amulet ..... 119
55. Heart Amulet ..... 120
56. Fish Amulet ..... 120
57. Fly Amulet ..... 120
58. Nfr Amulet ..... 120
59. Poppy Head/Cornflower Pendant ..... 121
60. Pendants ..... 121
K. BEADS ..... 123
61. Faience ..... 123
62. Glass ..... 123
63. Egyptian Blue ..... 125
64. Metal ..... 125
65. Other Materials ..... 125
L. MISCELLANEOUS OBJECTS AND SAMPLES ..... 131
66. Faience Vessels ..... 131
67. Stone Objects ..... 131
68. Galena Fragments ..... 131
69. Animals ..... 132
70. Residues ..... 132
71. Other Objects ..... 132
CHAPTER 4. TWO STELAE FROM NUBIA by William J. Murnane ..... 133
List of Bibliographic Abbreviations ..... 138
Bibliography ..... 138
CHAPTER 5. CONCLUSION ..... 141
A. CHRONOLOGY ..... 141
B. TRADITIONS IN NEW KINGDOM NUBIA ..... 145
APPENDIX A: HISTORICAL EVIDENCE FOR THE DATE OF THE GREAT TUMULI AT KERMA ..... 149
APPENDIX B: INSCRIBED COFFIN FRAGMENTS ..... 153
REGISTER OF FINDS ..... 159
A. CEMETERY R ..... 160
B. CEMETERY V ..... 254
C. CEMETERY K ..... 361
D. CEMETERY S ..... 378
E. CEMETERY W ..... 393
LIST OF REGISTERED OBJECTS ..... 453
A. ORIENTAL INSTITUTE MUSEUM ..... 453
B. CAIRO MUSEUM ..... 478
C. FIELD NUMBERS (CAIRO) ..... 479

## LIST OF ABBREVIATIONS

| Ag. | silvered |
| :--- | :--- |
| alt. | alternated or alternatively |
| anon. | anonymous |
| anth. | anthropoid |
| bk. | black |
| bl. | blue |
| bur. | burnished |
| ca. | circa |
| car. | carnelian |
| cb. | crude brick/mud brick |
| ch. | chamber |
| cont. | continued |
| ct. | coat |
| dec. | decorated/decoration |
| det. | deteriorated |
| dim. | dimensions |
| dio. | diorite |
| disc. | discarded |
| dist. | disturbed |
| dk. | dark |
| E | east |
| ex. | extended |
| ext. | exterior |
| fa. | faience |
| fig. | figure |
| frag. | fragment |
| gl. | glass |
| gn. | green |
| gr. | grey |
| gz. | glaze/glazed also ungz. |
| hor. | horizontal |
| int. | interior |


| irreg. | irregular/irregularly |
| :--- | :--- |
| L | left |
| L.E. | Lower Egypt or Lower Egyptian |
| It. | light |
| loc. | location |
| max. | maximum |
| N | north |
| n/a | not available for study |
| N.K. | New Kingdom |
| no. | number |
| OIM | Oriental Institute Museum |
| ord. | ordinary |
| os. egg. | ostrich eggshell |
| pk. | pink |
| pl. | plate |
| poss. | possibly/possible |
| pt. | paint |
| ptd. | painted decoration |
| R | right |
| rect. | rectangular |
| rem. | remark |
| S | south |
| samp. | sample |
| sh. | shaft |
| st. | steatite |
| turq. | turquoise |
| unc. | uncertain |
| unreg. | unregistered |
| vert. | vertical |
| W | west |
| wh. | white |
| ye. | yellow |

[^0]
## LIST OF FIGURES

Frontispiece. Map Showing Location of Principal Nubian Sites1. Pottery Shapes. Unfinished Angular Bowl and Common Bowl79
2. Pottery Shapes. Common Bowl (cont.) and Unfinished Jar ..... 80
3. Pottery Shapes. Unfinished Jar (cont.) and Common Jar ..... 81
4. Pottery Shapes. Common Jar (cont.) ..... 82
5. Pottery Shapes. Common Jar (cont.) ..... 83
6. Pottery Shapes. Common Jar (cont.) ..... 84
7. Pottery Shapes. Common Jar (cont.) and Pseudo-Import Jar ..... 85
8. Pottery Shapes. Pseudo-Import Jar (cont.) ..... 86
9. Pottery Shapes. Pseudo-Import Jar (cont.), Amphora, and Miniature Amphora ..... 87
10. Pottery Shapes. Special Purpose Vessel ..... 88
11. Scarabs ..... 112
12. Scarabs (cont.) ..... 113
13. Scarabs (cont.) ..... 114
14. Scarabs (cont.) ..... 115
15. Scarabs (comt.) ..... 116
16. Scarabs (cont.) ..... 117
17. Corpus of Beads and Amulets ..... 124
18. Objects from Tomb R 4B ..... 162
19. Object from Tomb R 9 ..... 163
20. Objects from Tomb R 13 ..... 164
21. Objects from Tomb R 17 ..... 165
22. Object from Tomb R 19 ..... 165
23. Plan, Section, and Objects from Tomb R 20 ..... 167
24. Objects from Tomb R 20 (cont.) ..... 168
25. Objects from Tomb R 20 (cont.) ..... 169
26. Objects from Tomb R 20 (cont.) ..... 171
27. Plan of Tomb R 25 ..... 172
28. Objects from Tomb R 25 ..... 172
29. Plan, Section, and Objects from Tomb R 29 ..... 174
30. Objects from Tomb R 29 (cont.) ..... 176
31. Objects from Tomb R 29 (cont.) ..... 178
32. Objects from Tomb R 29 (cont.) ..... 179
33. Objects from Tomb R 29 (cont.) ..... 180
34. Objects from Tomb R 29 (cont.) ..... 181
35. Plan, Section, and Object from Tomb R 32 ..... 182
36. Objects from Tomb R 32 ..... 183
37. Plan, Section, and Object from Tomb R 33 ..... 185
38. Objects from Tombs R 33 (cont.) and R 34 ..... 186
39. Object from Tomb R 33 (cont.) ..... 187
40. Plans and Section of Tomb R 35 ..... 189
41. Plans, Sections, and Objects from Tomb R 35 ..... 192
42. Objects from Tomb R 35 (cont.) ..... 193
43. Objects from Tomb R 35 (cont.) ..... 194
44. Objects from Tomb R 35 (cont.) ..... 195
45. Objects from Tomb R 35 (cont.) ..... 196
46. Objects from Tomb R 35 (cont.) ..... 197
47. Objects from Tomb R 35 (cont.) ..... 199
48. Plan of Tomb R 38 ..... 202
49. Object from Tomb R 38 ..... 203
50. Plan, Section, and Object from Tomb R 40 ..... 205
51. Objects from Tomb R 40 (cont.) ..... 206
52. Objects from Tomb R 40 (cont.) ..... 207
53. Objects from Tomb R 40 (cont.) ..... 208
54. Objects from Tomb R 41 ..... 211
55. Plan of Tomb R 43 ..... 212
56. Objects from Tomb R 43 ..... 213
57. Object from Tomb R 44 ..... 214
58. Plan, Section, and Objects from Tomb R 45 ..... 216
59. Objects from Tomb R 45 (cont.) ..... 218
60. Objects from Tomb R 45 (cont.) ..... 219
61. Plan, Section, and Objects from Tomb R 46 ..... 221
62. Objects from Tomb R 46 (cont.) ..... 222
63. Plans of Tomb R 47 ..... 223
64. Objects from Tomb R 47 ..... 224
65. Objects from Tomb R 47 (cont.) ..... 225
66. Object from Tomb R 52 ..... 226
67. Plan and Object from Tomb R 56 ..... 226
68. Objects from Tomb R 56 ..... 227
69. Plan and Section of Tomb R 58 ..... 228
70. Objects from Tomb R 58 ..... 229
71. Objects from Tomb R 58 (cont.) ..... 230
72. Objects from Tomb R 61 ..... 231
73. Plan and Section of Tomb R 63 ..... 231
74. Object from Tomb R 63 ..... 232
75. Plans and Section of Tomb R 75 ..... 233
76. Objects from Tomb R 75 ..... 235
77. Plan and Object from Tomb R 76 ..... 236
78. Objects from Tomb R 76 ..... 237
79. Plans and Objects from Tomb R 79 ..... 238
80. Objects from Tomb R 75 (cont.) ..... 239
81. Objects from Tomb R 75 (cont.) ..... 240
82. Plan and Section of Tomb R 83 ..... 24
83. Objects from Tomb R 83 ..... 242
84. Plans and Object from Tomb R 84 ..... 243
85. Objects from Tomb R 84 (cont.) ..... 244
86. Objects from Tomb R 84 (cont.) ..... 245
87. Plan of Tomb R 88 ..... 247
88. Objects from Tombs R 88 and R 91 ..... 248
89. Plan and Objects from Tomb R 94 ..... 249
90. Objects from Tomb R 94 (cont.) ..... 251
91. Objects from Tomb R 94 (cont.) ..... 253
92. Objects from Tomb V 45 ..... 256
93. Plans and Section of Tomb V 46 ..... 257
94. Plans and Object from Tomb V 46 ..... 258
95. Objects from Tomb V 46 (cont.) ..... 262
96. Objects from Tomb V 46 (cont.) ..... 263
97. Objects from Tomb V 46 (cont.) ..... 264
98. Objects from Tomb V 46 (cont.) ..... 265
99. Objects from Tomb V 46 (cont.) ..... 266
100. Objects from Tomb V 46 (cont.) ..... 267
101. Plan and Section of Tomb V 47 ..... 270
102. Objects from Tomb V47 ..... 271
103. Plan and Section or Tomb V 48 ..... 273
104. Plans of Tomb V 48 ..... 274
105. Plans and Objects from Tomb V 48 ..... 275
106. Objects from Tomb V 48 (cont.) ..... 277
107. Objects from Tomb $\vee 48$ (cont.) ..... 278
108. Objects from Tomb V 48 (cont.) ..... 279
109. Objects from Tomb V 48 (cont.) ..... 280
110. Objects from Tomb V 48 (cont.) ..... 281
111. Objects from Tomb V 48 (cont.) ..... 282
112. Objects from Tomb V 48 (cont.) ..... 283
113. Objects from Tomb V 48 (cont.) ..... 284
114. Objects from Tomb V 48 (cont.) ..... 285
115. Objects from Tomb V 48 (cont.) ..... 286
116. Plan and Objects from Tomb V 50 ..... 290
117. Objects from Tombs V 50 (cont.) and V 53 ..... 291
118. Objects from Tomb V 54 ..... 292
119. Plans and Section of Tomb V 55 ..... 293
120. Objects from Tomb V 55 ..... 294
121. Plans and Section of Tomb V 56 ..... 296
122. Objects from Tomb V 56 ..... 297
123. Plans and Objects from Tomb V 60 ..... 298
124. Objects from Tomb V 60 (cont.) ..... 301
125. Objects from Tomb V 60 (cont.) ..... 302
126. Objects from Tomb V 60 (cont.) ..... 303
127. Plan and Section of Tomb V 61 ..... 304
128. Plan and Section of Tomb V 63 ..... 305
129. Object from Tomb V 64 ..... 306
130. Plan of Tomb V 66 ..... 307
131. Objects from Tomb V 66 ..... 308
132. Plans, Section, and Objects from Tombs V 69 and V 71 ..... 309
133. Objects from Tomb $\vee 71$ ..... 310
134. Plan and Objects from Tomb V 72B ..... 312
135. Objects from Tomb V 72B (cont.) ..... 314
136. Objects from Tomb V 72B (cont.) ..... 315
137. Objects from Tomb V 72B (cont.) ..... 316
138. Plan and Objects from Tomb V 73 ..... 318
139. Objects from Tomb V 73 (cont.) ..... 319
140. Objects from Tomb V 73 (cont.) ..... 320
141. Plan of Tomb V 74 ..... 321
142. Object from Tomb V 74 ..... 321
143. Plan and Object from Tomb V 75 ..... 322
144. Objects from Tomb $\vee 75$ (cont.) ..... 323
145. Plan, Section, and Objects from Tomb V 76 ..... 324
146. Objects from Tomb V 76 (cont.) ..... 325
147. Objects from Tomb V 76 (cont.) ..... 326

## LIST OF FIGURES

148. Objects from Tomb V 76 (cont.) ..... 327
149. Plan of Tomb V 79 ..... 329
150. Plans and Objects from Tomb V 81 ..... 330
151. Objects from Tomb V81 (cont.) ..... 331
152. Objects from Tomb $\vee 81$ (cont.) ..... 332
153. Objects from Tomb $\vee 82$ ..... 334
154. Plan and Objects from Tomb V 83 ..... 336
155. Objects from Tomb V 83 (cont.) ..... 337
156. Objects from Tomb V 83 (cont.) ..... 338
157. Plans of Tomb V 84 ..... 339
158. Plans of Tomb V 85 ..... 339
159. Plans and Objects from Tomb V 92 ..... 341
160. Objects from Tomb V 92 (cont.) ..... 342
161. Plans and Objects from Tomb V 93 ..... 343
162. Objects from Tomb $\vee 93$ (cont.) ..... 344
163. Objects from Tomb V 93 (cont.) ..... 345
164. Plans of Tomb V 94 ..... 347
165. Objects from Tomb V 94 ..... 348
166. Objects from Tomb V 97 ..... 349
167. Plans and Object from Tomb V 113 ..... 352
168. Objects from Tomb V 113 (cont.) ..... 353
169. Objects from Tomb V 113 (cont.) ..... 354
170. Objects from Tomb V 113 (cont.) ..... 355
171. Objects from Tomb V 113 (cont.) ..... 356
172. Plans and Section of Tomb V 120 ..... 359
173. Objects from Tomb V 120 ..... 360
174. Objects from Tomb K 1 ..... 362
175. Plan and Section of Tomb K 2 ..... 363
176. Objects from Tomb K 2 ..... 364
177. Objects from Tomb K 5 ..... 366
178. Object from Tomb K 10 ..... 367
179. Objects from Tombs K 10 and K 12 ..... 367
180. Object from Tomb K 18 ..... 368
181. Objects from Tomb K 18 ..... 368
182. Object from Tomb K 21 ..... 369
183. Plans and Objects from Tomb K 31 ..... 370
184. Object from Tomb K 31 ..... 371
185. Objects from Tomb K 50 ..... 372
186. Objects from Tomb K 50 (cont.) ..... 372
187. Objects from Tomb K 50 (cont.) ..... 373
188. Plans and Sections of Tomb K 65 ..... 375
189. Objects from Tomb K 65 ..... 376
190. Objects from Tomb K 65 (cont.) ..... 377
191. Plans of Tomb S 5 ..... 378
192. Objects from Tomb $\mathbf{S} 5$ ..... 379
193. Plan and Section of Tomb S 6 ..... 381
194. Objects from Tomb S 6 ..... 382
195. Plan and Section of Tomb S 7 ..... 383
196. Plans, Sections, and Object from Tomb S 7 ..... 384
197. Objects from Tomb $\mathbf{S} 7$ (cont.) ..... 385
198. Objects from Tomb S 7 (cont.) ..... 386
199. Plans and Sections of Tomb S 8 ..... 388
200. Objects from Tomb S 8 ..... 390
201. Objects from Tomb S 8 (cont.) ..... 391
202. Object from Tomb W 52 ..... 393
203. Objects from Tomb W 55 ..... 394
204. Objects from Tomb W 56 ..... 396
205. Object from Tomb W 68 ..... 397
206. Objects from Tomb W 81 ..... 398

## LIST OF PLATES

1. Operations of the Oriental Institute Nubian Expedition between Abu Simbel and the Sudan Frontier ..... 399
2. Plan of Cemetery R ..... 400
3. Plans of Cemeteries VB and VC ..... 401
4. Plans of Cemeteries VF, VG, and VH ..... 402
5. Plans of Cemeteries S and W2 ..... 403
6. Views of Cemetery R and Tomb R 30 ..... 404
7. Views of Burials B and C in Tomb R 29 ..... 405
8. Views of Tombs of R 40 and R 32 ..... 406
9. Views of Tombs V 47 and V 48 ..... 407
10. Views of Tombs R 75 and V 74 ..... 408
11. Pottery Bowls from Tombs V 76 and V 60 ..... 409
12. Pottery Bowls from Tombs V 60, V 81, and V 72B ..... 410
13. Pottery Bowls from Tombs V 81, R 40, and V 56 ..... 411
14. Pottery Jars from Tombs R 35, V 50, V 60 , and V 46 ..... 412
15. Pottery Jars from Tombs R 45, V 71, R 20, V 66, and V 72B ..... 413
16. Pottery Jars from Tombs V 48, V 56, and V 60 ..... 414
17. Pottery Jars from Tombs W 56, V 113, R 83, V 60, and R 75 ..... 415
18. Pottery Jars from Tombs V 76, R 84, R 20, V 60, R 35, and V 75 ..... 416
19. Pottery Jars from Tombs V 76 and $V 73$ ..... 417
20. Pottery Jars from Tombs R 20, V 113, and V 76 ..... 418
21. Pottery Lid and Stands from Tombs R 18, R 20, and R 29 ..... 419
22. Pottery Miniature Amphorae and Jar from Tombs R 35, S 8, and V 46 ..... 420
23. Pottery Juglet and Spindle Bottles from Tombs R 29 and R 35 ..... 421
24. Pottery Base Rings and Pilgrim Flask from Tombs V 76 and V 113 ..... 422
25. Pottery Jar from Tomb R 29 ..... 423
26. Pottery Jars and Amphorae from Tombs R 35 and V 46 ..... 424
27. Pottery Jars from Tombs R 61, R 29, and R 35 ..... 425
28. Pottery Jars from Tombs R 75, V 45, V 113, and V 55 ..... 426
29. Pottery Bowl and Jar from Tombs V 72B and V 48 and a Potmark from an Unknown Provenience ..... 427
30. Fragments of the Coffin of Senisenbu from Tomb V 48 as Rescued ..... 428
31. Coffin of Senisenbu from Tomb V 48 as Found ..... 429
32. Fragments of the Coffin of Senisenbu from Tomb V 48 ..... 430
33. Coffin Fragments from Tomb R 40 ..... 431
34. Coffin Fragments from Tombs V 55 and V 48 ..... 432
35. Plaster Masks and Coffin Fragments from Tombs V 76 and V 48 ..... 433
36. Shawabti from Tomb R 94 ..... 434
37. Headrests from Tomb R 94 ..... 435
38. Stone Vessel and Jars from Tombs V 72B and V 48 ..... 436
39. Stone and Alabaster Jars from Tombs R 45, V 81, R 84, R 20, R 29, R 32, K 21, V 83, V 47, V 76, V 73, V 71, V 72B, R 56, and V 93 ..... 437
40. Copper or Bronze Feminiform Mirror from Tomb V 48 ..... 438
41. Copper or Bronze Feminiform Mirror from Tomb V 48 (cont.) ..... 439
42. Copper or Bronze Feminiform Mirror from Tomb V 48 (cont.) ..... 440
43. Copper or Bronze Feminiform Mirror from Tomb V 48 (cont.) ..... 441
44. Copper Mirror from Tomb R 40 ..... 442
45. Copper or Bronze Pitcher from Tomb V 48 ..... 443
46. Metal Bowls, Stand, Pitcher, and Mirror from Tomb V 48 ..... 444
47. Hair Rings/Earrings from Tombs V 46 and R 29 ..... 445
48. Scarabs from Tombs V 48, V 93, V 46, V 60, R 20, and R 45 ..... 446
49. Pendants, Beads, Amulets, and Coils from Tombs R 35, R 45, V 48, V 54, and V 69 ..... 447
50. Faience Bowls and Stone Palette from Tombs R 34, V 97, and V 48 ..... 448
51. Stela (OIM 21560) ..... 449
52. Stela (OIM 21560) (cont.) ..... 450
53. Stela Fragment from Tomb V 55 ..... 451

## LIST OF TABLES

1. The Order of Deposition in the Tomb of Neferkhawet ..... 9
2. Chronology of Standard Groups ..... 14
3. Pottery as Dated by Standard Groups and Termini ..... 15
4. Tombs at Qustul and Adindan as Dated by Pottery and Termini ..... 17
5. Summary of Necked Jars in Dated Contexts ..... 42
6. Corpus of Pottery Shapes ..... 48
7. Coffins with Recorded Features ..... 90
8. Classification of Stone Vessels ..... 95
9. Single Piece Jewelry ..... 103
10. Scarabs and Other Glyptic ..... 104
11. Pendants and Amulets ..... 121
12. Register of Beads ..... 125
13. Various Stone Objects ..... 131
14. Pigments ..... 131
15. Animal Remains ..... 132
16. Residues ..... 132
17. Other Objects and Materials ..... 132
18. Pottery of Late New Kingdom Date ..... 142
19. Late New Kingdom Remains in Lower Nubia ..... 143
20. Register of Finds in Cemetery $R$ at Qustul ..... 160
21. Register of Finds in Cemetery V at Qustul ..... 254
22. Register of Finds in Cemetery $K$ at Adindan ..... 361
23. Register of Finds in Cemetery $S$ at Qustul ..... 378
24. Register of Finds in Cemetery W at Qustul ..... 393

## BIBLIOGRAPHY

| Adams, W. Y. |  |
| :---: | :---: |
| 1977 | "Reflections on the Archaeology of Kerma." In Ägypten und Kusch (Festschrift Fritz Hintze), edited by E. Endesfelder, K.-H. Priese, W.-F. Reinecke, and S. Wenig, pp. 4151. Schriften zur Geschichte und Kultur des alten Orients, Vol. 13. Berlin: AkademieVerlag. |
| Adams, W. Y. and Nordström, Hans-Åke |  |
| 1963 | "The Archaeological Survey on the West Bank of the Nile, Third Season 1961-1962." Kush 11: 10-46. |
| Amiran, Ruth |  |
| 1970 | Ancient Pottery from the Holy Land from its Beginnings in the Neolithic Period to the End of the Iron Age. New Brunswick: Rutgers University Press. |
| Arnold, Dorothea |  |
| 1972 | "Weiteres zur Keramik von el-Tarif." Mitteilungen des Deutschen Archäologischen Instituts Abteilung Kairo 28: 33-46. |
| 1976 | "Wandbild und Scherbenfund." Mitteilungen des Deutschen Archäologischen Instituts Abteilung Kairo 32: 1-34. |
| 1981 | "Ägyptische Mergeltone ('Wüstentone') und die Herkunft einer Mergeltonware des Mittleren Reiches aus der Gegend von Memphis." In Studien zur altägyptischen Keramik, edited by D. Arnold, pp. 167-91. Mainz: Phillipp von Zabern. |
| Ballet, Pascale and Picon, Maurice |  |
| 1990 | Les Ateliers de Potiers d'Ayn Asil. Balat III. Fouilles de l'Institut Français d'Archéologie Orientale 34. Paris: L’Institut Français d’Archéologie Orientale. |
| von Beckerath, Jürgen |  |
| 1964 | Untersuchungen zur politischen Geschichte der Zweiten Zwischenzeit in Ägypten. Ägyptologische Forschungen, Vol. 23. Glückstadt: J. J. Augustin. |
| Bell, Martha |  |
| 1985 | "Gurob Tomb 605 and Mycenaean Chronology." In Mélanges Gamal Eddin Mokhtar, edited by Paule Posener-Kriéger, pp. 61-86. Cairo: L'Institut Français d'Archéologie Orientale. |
| Bietak, Manfred |  |
| 1966 | Ausgrabungen in Sayala-Nubien 1961-1965: Denkmäler der C-Gruppe und der Pan-Gräber-Kultur. Berichte des Österreichischen Nationalkomitees der UNESCO-Aktion für die Rettung der Nubischen Altertümer, Vol. 3. Österreichische Akademie der Wissenschaften, phil.-hist. Klasse, Denkschriften, Vol. 92. Vienna: Hermann Böhlaus Nachf. |

xxiv
NEW KINGDOM REMAINS FROM QUSTUL AND ADINDAN
Bietak, Manfred (cont.)
1968 Studien zur Chronologie der nubischen C-Gruppe: Ein Beitrag zur Frühgeschichte Unternubiens zwischen 2200 und 1550 vor Chr. Berichte des Österreichischen Nationalkomitees der UNESCO-Aktion für die Rettung der Nubischen Altertümer, Vol. 5. Österreichische Akademie der Wissenschaften, phil.-hist. Klasse, Denkschriften, Vol. 97. Vienna: Hermann Böhlaus Nachf.
von Bissing, Friedrich Wilhelm
1900 Ein thebanischen Grabfund aus dem Anfang des Neuen Reichs. Berlin: A. Duncker.
Bonnet, Charles
1982 "Les Fouilles archéologiques de Kerma (Soudan). Rapport préliminaire des campagnes de 1980-1981 et de 1981-1982." Genava n.s. 30: 29-53.

Bonnet, Hans
1928 Ein frühgeschichtliches Gräberfeld bei Abusir. Veröffentlichungen der Ernst von Sieglin Expedition, Vol. 4. Leipzig: J. C. Hinrichs.

Bourriau, Janine
1981 Umm el-Ga'ab: Pottery from the Nile Valley before the Arab Conquest. Cambridge: Cambridge University Press.

Brunton, Guy
1930
Qau and Badari III. British School of Archaeology in Egypt, Vol. 50. London: Bernard Quaritch.

Brunton, Guy and Engelbach, Reginald
1927 Gurob. British School of Archaeology in Egypt, Vol. 41. London: Bernard Quaritch.
Bruyère, Bernard
1937
Rapport sur les fouilles de Deir el Médineh (1934-1935); deuxième partie: La Nécropole de l'est. Fouilles de l'Institut Français d'Archéologie Orientale du Caire, Vol. 15. Cairo: L'Institut Français d'Archéologie Orientale.

Butzer, Karl
1974 "Modern Egyptian Pottery Clays and Predynastic Buff Ware." Journal of Near Eastern Studies 33: 377-82.

Carnarvon, George Herbert and Carter, Howard
1912 Five Years' Explorations at Thebes: A Record of Work Done 1907-1911. London: Henry Frowde, Oxford University Press.

Carter, Howard
1916 "Report on the Tomb of Zeser-ka-Ra Amenhotep I, Discovered by the Earl of Carnarvon in 1914." Journal of Egyptian Archaeology 3: 147-63.

Carter, Howard and Mace, A. C.
1923 The Tomb of Tut-ankh-amen. Vol. 1. London: Casell and Co.
1927 The Tomb of Tut-ankh-amen. Vol. 2. New York: George H. Doran Company.
1933 The Tomb of Tut-ankh-amen. Vol. 3. London: Casell and Co.
Carter, Howard and Newberry, Percy
1904 The Tomb of Thoutmosis IV. Catalogue général des antiquités égyptiennes du Musée du Caire, Vol. 16. Westminster: Archibald Constable and Co.

Dambach, M. and Wallert, I.
1966 "Das Tilapia-Motiv in der altägyptischen Kunst." Chronique d'Égypte 41: 273-94.
Daressy, M. G.
1902 Fouilles de la vallée des rois (1898-1899), nos. 24001-24990. Catalogue général des antiquités égyptiennes du Musée du Caire, Vol. 22. Cairo: L'Institut Français d'Archéologie Orientale.

Davies, Norman de Garis
1943 The Tomb of Rekhmire at Thebes. Publications of the Metropolitan Museum of Art, Vol. 11. New York: The Metropolitan Museum.

Davies, Norman de Garis and Davies, Nina de Garis
1923 The Tombs of Two Officials of Tuthmosis the Fourth (Nos. 75 and 90). Theban Tomb Series, Vol. 3. London: Egypt Exploration Society.
1933 The Tombs of Menkheperrasonh, Amenmose, and Another (Nos. 86, 112, 42, 226). Theban Tomb Series, Vol. 5. London: Egypt Exploration Society.

Davies, Nina de Garis and Gardiner, Alan H.
1926 The Tomb of Huy, Viceroy of Nubia in the Reign of Tutankhamun (No. 40). Theban Tombs Series, No. 4. London: Egypt Exploration Society.

Dunham, Dows
1967 Uronarti Shalfak Mirgissa. Second Cataract Forts, Vol. 2. Boston: Museum of Fine Arts. Dunham, Dows and Janssen, Josef M. A.

1960 Semna Kumma, Second Cataract Forts, Vol. 1. Boston: Museum of Fine Arts.
Engelbach, Reginald
1915 Riqqeh and Memphis VI. British School of Archaeology in Egypt, Vol. 25. London: Bernard Quaritch.

1923 Harageh. British School of Archaeology in Egypt, Vol. 28. London: Bernard Quaritch.
Emery, Walter B.
1963 "Egypt Exploration Society Preliminary Report on the Excavations at Buhen, 1962." Kush 11: 116-20.

Emery, Walter B. and Kirwan, Sir Laurence
1935 The Excavations and Survey between Wadi es-Sebua and Adindan 1929-1931. Service des Antiquités de l'Égypte; Mission archéologique de Nubie, 1929-34. Cairo: Govermment Press, Bulaq.

Firth, C. M.
1912 The Archaeological Survey of Nubia, Report for 1908-1909. Cairo: Government Press.
1915 The Archaeological Survey of Nubia, Report for 1909-1910. Cairo: Government Press.
1927 The Archaeological Survey of Nubia, Report for 1910-1911. Cairo: Government Press.
Frankfort, Henri and Pendlebury, J. D. S.
1933 The City of Akhenaten, Part II: The North Suburb and the Desert Altars: Excavations at Tell el Amarna during the Seasons 1926-1932. Egypt Exploration Society, Vol. 40. London: Egypt Exploration Society.

| xxvi | NEW KINGDOM REMAINS FROM QUSTUL AND ADINDAN |
| :---: | :---: |
| French, Peter |  |
| 1986 | "Late Dynastic Pottery from the South Tombs." In Amarna Reports III, by Barry J. Kemp, pp. 147-88. London: Egypt Exploration Society. |
| Garstang, John |  |
| 1901 | El Arabah: A Cemetery of the Middle Kingdom; Survey of the Old Kingdom Temenos; Graffiti from the Temple of Sety. British School of Archacology in Egypt and the Egyptian Research Account, Publications, Vol. 6. London: Bernard Quaritch. |
| Giveon, R. |  |
| 1985 | Egyptian Scarabs from Western Asia from the Collection of the British Museum. Orbis Biblicus et Orientalis, Series Archaeologica 3. Fribourg: Éditions Universitaires Fribourg Suisse; Göttingen: Vandenhoeck and Ruprecht. |
| Gout-Minault, Anne |  |
| 1976 | "Saï 1974-1975: Tombes pharaoniques." Cahier de Recherches de l'Institut de Papyrologie et d'Égyptologie de Lille, Vol. 4: 85-104. |
| Gratien, Brigitte |  |
| 1978 | Les Cultures Kerma: Essai de classification. Lille: Publications de l'Université de Lille III. |
| Hayes, William C. |  |
| 1935 | "The Tomb of Nefer-Khewet and His Family." In The Egyptian Expedition 1934-1935. Section II of the Bulletin of the Metropolitan Museum of Art, Vol. 30, No. 11, pp. 17-36. |
| 1947 | "Horemkhauef of Nekhen and His Trip to It-Towe." Journal of Egyptian Archaeology 33: 3-11. |
| 1959 | The Scepter of Egypt, Part II: The Hyksos Period and the New Kingdom (1675-1080 B.C.). Cambridge: Harvard University Press. |
| Hesse, Albert |  |
| 1981 | "L'Inclos SAV2 de l'île de Saï." Cahier de Recherches de l'Institut de Papyrologie et d'Égyptologie de Lille, Vol. 6: 7-67. |
| Heidorn, Lisa |  |
| 1988 | "Nubian Publication Project: Dorginarti." In The Oriental Institute Annual Report 19871988, edited by Janet H. Johnson, pp. 42-44. Chicago: The Oriental Institute. |
| 1991 | "The Saite and Persian Period Forts at Dorginarti." In Egypt and Nubia: Nubia from Prehistory to Islam, edited by W. V. Davies, pp. 205-19. London: British Museum Press in association with the Egypt Exploration Society. |
| Hintze, Fritz |  |
| 1964 | "Das Kerma Problem." Zeitschrift für ägyptische Sprache und Altertumskunde 91: 79-86. |
| Hodjache, Svetlana I. and Berlev, Oleg D. |  |
| 1977 | "Le Père du fondateur de la dynastie des princes de Tjhhtj en Nubie." In Ägypten und Kusch (Festschrift Fritz Hintze), edited by E. Endesfelder, K.-H. Priese, W.-F. Reinecke, and S. Wenig, pp. 183-88. Schriften zur Geschichte und Kultur des alten Orients, Vol. 13. Berlin: Akademie-Verlag. |
| Holthoer, Rostislav |  |
| 1977 | New Kingdom Pharaonic Sites: The Pottery. The Scandinavian Joint Expedition to Sudanese Nubia, Vol. 5:1. Copenhagen: Scandinavian University Books. |


| Hope, Colin |  |
| :---: | :---: |
| 1977 | Jar Sealings and Amphorae of the 18th Dynasty: A Technological Study. The University Museum, University of Pennsylvania Egyptian Expedition. Excavations at Malkata and the Birket Habu 1971-74. Egyptology Today, No. 2, Vol. 5. Warminster: Aris and Phillips. |
| 1981 | "Two Ancient Egyptian Potter's Wheels." Journal of the Society for the Study of Egyptian Antiquities 11: 127-33. |
| 1982 | "Concerning Egyptian Potter's Wheels." Journal of the Society for the Study of Egyptian Antiquities 12: 13-14. |
| Hope, Colin; Blauer, H. Mark; and Riederer, Josef |  |
| 1981 | "Recent Analyses of 18th Dynasty Pottery." In Studien zur altägyptischen Keramik, edited by D. Arnold, pp. 139-66. Mainz am Rhein: Phillipp von Zabern. |
| Hornung, E. |  |
| 1975 | Das Buch der Anbetung des Re im Westen (Sonnenlitanei) I: Text. Aegyptiaca Helvetica 2. Basel: Ägyptologisches Seminar der Universität Basel; Geneva: Centre d’Études Orientales de l'Université de Genève. |
| Hornung, Erik and Staehelin, Elisabeth |  |
| 1976 | Skarabäen und andere Siegelamulette aus Basler Sammlungen. Ägyptische Denkmäler in der Schweiz, Vol. I. Mainz am Rhein: Phillipp von Zabern. |
| Hughes, George R. |  |
| 1963 | "Serra East: The University of Chicago Excavations, 1961-62. A Preliminary Report on the First Season's Work." Kush 11: 121-30. |
| Jaeger, B. |  |
| 1982 | Essai de classification et datation des scarabées Menkhéperrê. Orbis Biblicus et Orientalis, Series Archaeologica 2. Fribourg: Éditions Universitaires Fribourg Suisse; Göttingen: Vandenhoeck and Ruprecht. |
| Kelley, Allyn L. |  |
| 1976 | The Pottery of Ancient Egypt Dynasty I to Roman Times. Toronto: Royal Ontario Museum. |
| Legrain, Georges |  |
| 1908 | Répertoire généalogique et onomastique du Musée du Caire. Geneva: Société Anonyme des Arts Graphiques. |
| Lilyquist, C. |  |
| 1979 | Ancient Egyptian Mirrors from the Earliest Times Through the Middle Kingdom. Münchner ägyptologische Studien 27. Berlin: Deutscher Kunstverlag München. |
| Little, O. H. and Attia, M. I. |  |
| 1943 | The Development of Aswan District with Notes on Minerals of Southeastern Desert. Giza: Survey of Egypt. |
| Logan, Thomas J. and Williams, Bruce |  |
| 1978 | "The Identity of the Meritamun Found by Winlock at Deir el Baḥi." Serapis 4: 23-40. |
| Lucas, A. and Harris, J. R. |  |
| 1962 | Ancient Egyptian Materials and Industries. 4th ed. London: Edmund Arnold. |


| xxviii | NEW KINGDOM REMAINS FROM QUSTUL AND ADINDAN |
| :---: | :---: |
| Mace, A. C. |  |
| 1922 | "Excavations at Lisht." In "The Egyptian Expedition, MCMXXI-MCMXXII." Bulletin of the Metropolitan Museum of Art, Vol. 17, Part II, pp. 2-18. |
| Merrillees, R. S. |  |
| 1968 | The Cypriote Bronze Age Pottery Found in Egypt. Studies in Mediterranean Archaeology, Vol. 18. Lund: Studies in Mediterranean Archaeology. |
| Mills, A. J. and Nordström, Hans-Åke |  |
| 1966 | "The Archaeological Survey from Gemai to Dal: Preliminary Report on the Season 1964-65." Kush 14: 1-15. |
| Minault, Anne and Thill, Florence |  |
| 1974 | "Tombes du Nouvel-Empire à Saï (SA.C.5)." Cahier de Recherches de l'Institut de Papyrologie et d'Égyptologie de Lille, Vol. 2: 76-102. |
| 1975 | "Tombe 14 de la nécropole du nouvel-empire à Sai." Cahier de Recherches de l'Institut de Papyrologie et d'Égyptologie de Lille, Vol. 3: 67-90. |
| Möller, G. |  |
| 1909 | Hieratische Paläographie II. Leipzig: J. C. Hinrichs. |
| Nagel, Georges |  |
| 1938 | La Céramique du Nouvel Empire à Deir el Médineh, Vol. I. Documents de fouilles publiés par les membres de l'Institut Français d'Archéologie Orientale du Caire. Vol. 10. Cairo: L'Institut Français d'Archéologie Orientale. |
| Nicholson, Paul and Patterson, Helen |  |
| 1985 | "Pottery Making in Upper Egypt: An Ethnoarchaeological Study." World Archaeology 17, No. 2, pp. 222-39. |
| 1986 | "Ethnoarchaeology in Egypt: The Ballas Pottery Project." Archaeology 38/3: 52-59. |
| Nicholson, Paul and Rose, Pamela |  |
| 1985 | "Pottery Fabrics and Ware Groups at el-Amarna." In Amarna Reports II, by Barry J. Kemp, pp. 133-72. London: Egypt Exploration Society. |
| vagn Nielsen, Ole |  |
| 1970 | The Human Remains: Metrical and Non-metrical Anatomical Variations. The Scandinavian Joint Expedition to Sudanese Nubia, Vol. 9. Copenhagen: Scandinavian University Books. |
| Nolte, Birgit |  |
| 1977 | "Glas." In Lexikon der Ägyptologie, Vol. 2, edited by W. Helck and W. Westendorf, cols. 614-17. Wiesbaden: Otto Harrassowitz. |
| Nordström, Hans-Åke |  |
| 1962 | "Excavations and Survey in Faras, Argin and Gezira Dabarosa, with a Note on the Cattle Skulls." In "Archaeological Survey on the West Bank of the Nile." Kush 10: 34-61. |
| 1972 | Neolithic and A-Group Sites. The Scandinavian Joint Expedition to Sudanese Nubia, Vol. 3. Copenhagen: Scandinavian University Books. |
| 1977 | "Classification of the Wheel-made Wares." In New' Kingdom Pharaonic Sites: The Pottery, by Rostislav Holthoer, pp. 60-67. The Scandinavian Joint Expedition to Sudanese Nubia, Vol. 5:1. Copenhagen: Scandinavian University Books. |

1985 "Ton." In Lexikon der Ägyptologie, Vol. 6, edited by W. Helck and W. Westendorf, cols. 630-34. Wiesbaden: Otto Harrassowitz.
"Kerma and Egypt: The Significance of the Monumental Buildings, Kerma I, II, and XI." Journal of the American Research Center in Egypt 21: 65-108.
1985 "The Chronology of Scarabs of the Middle Kingdom and Second Intermediate Period." The Society for the Study of Egyptian Archaeology Journal 25: 1-41.

Oren, Eliezer D.
1969 "Cypriote Imports in the Palestinian Late Bronze I Context." Opuscula Atheniensa, Vol. 9, pp. 127-50.

1987 "The Ways of Horus in North Sinai." In Egypt, Israel, Sinai: Archaeological and Historical Relationships in the Biblical Period, edited by Anson F. Rainey, pp. 69-119. Tel Aviv: Tel Aviv University.

Passarge, Siegfried 1955

Morphologische Studien in der Wüste von Assuan. Universität Hamburg Abhandlungen aus dem Gebeit der Auslandskunde, Vol. 60, Series C: Naturwissenschaften, Vol. 17. Hamburg: Cram, de Gruyter and Co.

Peet, T. E. and Woolley, C. Leonard
1923 The City of Akhenaten, Part I: Excavations of 1921 and 1922 at 'Amarneh. Egypt Exploration Society, Vol. 28. London: Egypt Exploration Society.

Pendlebury, J. D. S.
1951
The City of Akhenaten, Part III: The Central City and the Official Quarter. Egypt Exploration Society, Vol. 40. London: Egypt Exploration Society.

Petrie, Sir W. M. F.
1890 Kahun, Gurob, and Hawara. London: Kegan Paul, Trench, Trübner and Co.
1891 Illahun, Kahun, and Gurob 1887-90. London: D. Nutt.
1894 Tell el Amarna. London: Methuen and Co.
1906 Hyksos and Israelite Cities. British School of Archaeology in Egypt, Vol. 12. London: Bernard Quaritch.
1909 Qurneh. British School of Archaeology in Egypt, Vol. 16. London: Bernard Quaritch.
Posener-Kriéger, Paule
1986 "Les Travaux de l'Institut Français d’Archéologie Orientale en 1985-1986." Bulletin de l'Institut Français d'Archéologie Orientale 86, pp. 367-97.

Quibell, J. E.
1908 The Tomb of Yuaa and Thuiu, Nos. 51001-51191. Catalogue général des antiquités égyptiennes du Musée du Caire, Vol. 66. Cairo: L'Institut Français d'Archéologie Orientale.

Randall-MacIver, D. and Woolley, C. Leonard
1911 Buhen. Two vols. Eckley B. Coxe Junior Expedition to Nubia, Vols. 7-8. Philadelphia: The University Museum.

Reisner, G. A.
The Archaeological Survey of Nubia, Report for 1907-1908. Vol. I: Archaeological Report. Cairo: National Printing Department.

Reisner, G. A. (cont.)
1923 Excavations at Kerma, Parts I-VI. Harvard African Studies, Vols. V-VI. Cambridge, Massachusetts: Peabody Museum of Harvard University.

Romer, John
1976 "Royal Tombs of the Early Eighteenth Dynasty." Mitteilungen des Deutschen Archäologischen Instituts Abteilung Kairo 32: 192-206.

Robertson, J. H.
1975 "The 74/75 Meroe Excavation." Nyame Akuma 6: 25-26.
Rose, Pamela
1986 "Pottery from the Main Chapel." In Amarna Reports III, by Barry J. Kemp, pp. 99-117. London: Egypt Exploration Society.
1987 "The Pottery from Gate Street 8." In Amarna Reports IV, by Barry J. Kemp, pp. 132-43. London: Egypt Exploration Society.

Säve-Söderbergh, Torgny
1941 Ägypten und Nubien: Ein Beitrag zur Geschichte altägyptischer Aussenpolitik. Lund: Håkan Ohlssons Boktryckeri.
1949 "A Buhen Stela from the Second Intermediate Period (Khartum No. 18)." Journal of Egyptian Archaeology 35: 50-58.
1963 "Preliminary Report of the Scandinavian Joint Expedition: Archeological Investigations between Faras and Gemai, November 1961-March 1962." Kush 11: 47-69.

Säve-Söderbergh, Torgny, ed.
1989 Middle Nubian Sites. The Scandinavian Joint Expedition to Sudanese Nubia, Vol. 4. Partille: Paul Åström Editions.
Säve-Söderbergh, Torgny and Troy, Lana
1991 New Kingdom Pharaonic Sites: The Finds and the Sites. The Scandinavian Joint Expedition to Sudanese Nubia, Vol. 5:3. Uppsala: Almqvist and Wiksell Tryckeri.

Schiaparelli, Emesto
1927 La Tomba intata del'architetto Cha nella necropoli di Tebe. Relazione sui lavori della Missione archeologica italiana in Egitto (anni 1903-1920), Vol. 2. Turin: Giovanni Chiantore.

Schiff Giorgini, Michela
1971 Soleb II: Les Nécropoles. Florence: Sansoni.
Seele, Keith C.
1974
"University of Chicago Oriental Institute Nubian Expedition: Excavations between Abu Simbel and the Sudan Border, Preliminary Report." JNES 33: 1-43.

Simon, Christian
1984 "Étude anthropologique préliminaire sur le matériel du Kerma Ancien (Kerma, Soudan)." Genava n. s. 32: 27-30.

Simpson, William Kelly Pennsylvania-Yale Expedition to Egypt, Number 1. New Haven and Philadelphia: The Peabody Museum of Natural History of Yale University, The University Museum of the University of Pennsylvania.

| Smith, H. S. |  |
| :---: | :---: |
| 1976 | The Fortress of Buhen: The Inscriptions. Egypt Exploration Society, Memoir 48. London: Egypt Exploration Society. |
| Smither, Paul C. |  |
| 1945 | "The Semna Dispatches."Journal of Egyptian Archaeology 31: 3-10. |
| Steindorff, Georg |  |
| 1935 | Aniba, Vol. 1. Glückstadt: J. J. Augustin. |
| 1937 | Aniba, Vol. 2. Glückstadt: J. J. Augustin. |
| Traunecker, Claude |  |
| 1981 | "Code analytique de profils de céramique de l'ancienne Egypte." In Studien zur altägyptischen Keramik, edited by D. Arnold, pp. 49-78. Mainz am Rhein: Phillipp von Zabern. |
| Tylor, J. J. |  |
| 1896 | The Tomb of Sebeknakht. London: Bernard Quaritch. |
| Venot, Christiane |  |
| 1974 | "Le Cimetière MX TD de Mirgissa." Cahier de Recherches de l' Institut de Papyrologie et d'Égyptologie de Lille, Vol. 2: 29-49. |
| Verwers, Jan |  |
| 1961 | "Trial Excavations in the Faras Region." In "Archaeological Survey of Sudanese Nubia." Kush 9: 15-29. |
| 1962 | "The Survey from Faras to Gezira Dabarosa." In "The Archaeological Survey on the West Bank of the Nile." Kush 10: 19-33. |
| Vila, André |  |
| 1976 | "Les Masques funéraires." In Mirgissa III, by Jean Vercoutter, pp. 151-268. Paris: Direction Général des Relations Culturelles, Scientifiques et Techniques avec la collaboration du Centre National de la Recherche Scientifique. |
| 1977a | La Prospection archéologique de la vallée du Nil au sud de la cataracte de Dal (Nubie soudanaise). Fascicule 5: Le District de Ginis, Est et Ouest. Paris: Centre Nationale de la Recherche Scientifique. |
| 1977b | La Prospection archéologique de la vallée du Nil au sud de la cataracte de Dal (Nubie soudanaise). Fascicule 7: Le District d'Amara Ouest. Paris: Centre Nationale de la Recherche Scientifique. |
| 1982 | La Prospection archéologique de la vallée du Nil, au sud de la cataracte de Dal (Nubie soudanaise), Fascicule 13: La Nécropole de Missiminia. Paris: Centre National de la Recherche Scientifique. |
| Weber, Manfred |  |
| 1977 | "Fliege." In Lexikon der Ägyptologie, Vol. 2, edited by W. Helck and W. Westendorf, cols. 264-65. Wiesbaden: Otto Harrassowitz. |
| Williams, Bruce |  |
| 1975 | "Archaeology and Historical Problems of the Second Intermediate Period." Ph.D. dissertation, The University of Chicago. |
| 1979 | Review of Ägypten und Kusch (Festschrift Fritz Hintze), by Erika Endesfelder et al. in Journal of Near Eastern Studies 38: 302-03. |


| xxxii | NEW KINGDOM REMAINS FROM QUSTUL AND ADINDAN |
| :---: | :---: |
| Williams, Bruce (cont.) |  |
| 1983 | C-Group, Pan Grave, and Kerma Remains from Adindan Cemeteries T, $K, U$, and $J$. The Oriental Institute Nubian Expedition, Vol. 5. Chicago: The Oriental Institute. |
| 1986 | The A-Group Royal Cemetery at Qustul: Cemetery L. The Oriental Institute Nubian Expedition, Vol. 3. Chicago: The Oriental Institute. |
| 1987 | "The Nubian Publication Project." In The Oriental Institute Annual Report 1986-1987, edited by Janet H. Johnson, pp. 57-60. Chicago: The Oriental Institute. |
| 1989 | Neolithic, A-Group, and Post A-Group Remains from Cemeteries W, V, Q, T, and a Cave East of Cemetery K. The Oriental Institute Nubian Expedition, Vol. 4. Chicago: The Oriental Institute. |
| 1990a | "The Nubian Publication Project." In The Oriental Institute Annual Report 1988-1989, edited by William M. Sumner, pp. 36-38. Chicago: The Oriental Institute. |
| 1990 b | Twenty-Fifth Dynasty and Napatan Remains from Qustul Cemeteries W and V. The Oriental Institute Nubian Expedition, Vol. 7. Chicago: The Oriental Institute. |
| 1991a | Meroitic Remains from Qustul Cemetery Q, Ballana Cemetery B, and a Ballana Settlement. The Oriental Institute Nubian Expedition, Vol. 8. Chicago: The Oriental Institute. |
| 1991 b | Noubadian X-Group Remains from Royal Complexes in Cemeteries $Q$ and 219 and Private Cemeteries Q, R, V, W, B, J, and M at Qustul and Ballana. The Oriental Institute Nubian Expedition, Vol. 9. Chicago: The Oriental Institute. |
| 1991c | "A Prospectus for Exploring the Historical Essence of Ancient Nubia." In Egypt and Nubia: Nubia from Prehistory to Islam, edited by W. V. Davies, pp. 74-91. London: British Museum Press in association with the Egypt Exploration Society. |
| Forthcoming ${ }^{\text {a }}$ | Excavations at Serra East, Part 1: A-Group, C-Group, Pan Grave, New Kingdom, and XGroup Remains from Cemeteries $A-G$ and Rock Shelters. Oriental Institute Nubian Expedition, Vol. 10. Chicago: The Oriental Institute. |
| Forthcoming ${ }^{\text {b }}$ | Excavations at Serra East, Part 2: The Middle Kingdom Fortress and Quarry Dumps and Buildings of the Second Intermediate Period and New Kingdom. Oriental Institute Nubian Expedition, Vol. 11. Chicago: The Oriental Institute. |
| Williams, B.; Williams, W.; and McMillan, J. |  |
| 1985 | "Notes on Some Clays Used for Pottery in Ancient Nubia." In Ancient Technology to Modern Science, edited by W. D. Kingery and Esther Lense, pp. 27-42. Ceramics and Civilization, Vol. I. Columbus: American Ceramic Society. |
| Winlock, H . |  |
| 1932 | The Tomb of Queen Meryet-Amun at Thebes. The Metropolitan Museum of Art Egyptian Expedition, Publications, Vol. 6. New York: The Metropolitan Museum of Art. |
| 1934 | The Treasure of el-Lahun. The Metropolitan Museum of Art, Papers, No. 4. New York: The Metropolitan Museum of Art. |
| 1941 | Materials Used at the Embalming of King Tut- 'Ankh-Amun. The Metropolitan Museum of Art, Papers, No. 10. New York: The Metropolitan Museum of Art. |
| 1942 | Excavations at Deir el Bahri 1911-1931. New York: The MacMillan Company. |
| Wreszinsky, Walter |  |
| 1927 | Bericht über die photographische Expedition von Kairo bis Wadi Halfa. Halle: S. M. Niemeyer. |

## ACKNOWLEDGMENTS

The present volume was prepared with the help of Donald Bickford, Reginald Coleman, Joanna Steinkeller, Michelle Hemsoth, Helena Jaeschke, Peter Zale, and John Ellsworth, artists; Ursula Schneider and Jean Grant, photographers; and Leanne Galvin, who cross-checked internal references, mounted the illustrations, and added references to them in the text. Helena Jaeschke drew many objects in the Cairo Museum, with the kind help of the museum staff.

Volunteers have made important contributions to this series. Mrs. Margaret Grant checked this volume against the Oriental Institute Museum's records with assistance from Mrs. Lilla Fano, who has checked large parts of the Oriental Institute Nubian Expedition publications against the Oriental Institute Museum's records. Mrs. Elizabeth Tieken, Mrs. Corsin Ellis, and Mrs. Carolyn Livingood repaired large quantities of pottery and jewelry.

A considerable debt of gratitude is owed the staff of the Oriental Institute Museum, especially Raymond Tindel and John Larson, for years of kindness, courtesy, and tolerance.

Professor Lanny Bell assisted the author in the difficult task of collating Keith C. Seele's notes on inscribed coffins. John Darnell very kindly looked over the glyptic on the scarabs and made several valuable comments.

## PREFACE

This volume is the last publication of the Oriental Institute Nubian Expedition to present material from the ancient sites at Qustul, Ballana, and Adindan. ${ }^{1}$ Since much material from Serra East ${ }^{2}$ came from the same period as the material published herein, the publication of this volume had to be delayed until sufficient time was allowed for the comparison and reconciliation of the two groups in order to avoid contradictions.

The publication of this volume marks the passing of Mrs. Diederika M. Seele, whose encouragement of the project to publish the excavations directed by her husband remained enthusiastic until March 1992. She took great pleasure in each of the volumes as they appeared and in the public attention given Nubia during the exhibit mounted by Drs. Emily Teeter and Karen Wilson at the Oriental Institute in February, 1992. It was in consultation with Mrs. Seele that the decision was taken to dedicate this work to our friend, Mrs. Elizabeth Tieken, a true friend of Nubia.

The New Kingdom remains from Qustul and Adindan date to all phases of the period. As pointed out in Chapter 5 (below), this situation does not differ substantially from that prevailing elsewhere in Nubia, but it re-emphasizes the fact that some phases considered to have been periods of poverty and depopulation were actually only periods when funerary structures and objects were too simple to be easily recognized or dated. If the present work joins others in pointing out the inadequacy of making a simple connection between easily dated materials and wealth or population, it also shows the need to re-examine available records and materials to identify unrecognized evidence.

As this volume was being corrected for the last time, a new work (Söderbergh and Troy 1991 ) became available. Although it was not possible to correlate all of the important ideas and materials presented in these important volumes with the present book, some references are included to assist the reader in finding parallels.

As in previous volumes, the main descriptive listing (Register) is supported by numerous tabular registers in the text. These are intended to give the range of occurrences rather than exhaustive lists, although an attempt is made to make them as completely representative as possible.

1. Other publications of the Oriental Institute Nubian Expedition that publish materials from these sites are Williams 1983, 1986, 1989, 1990b, 1991a, and 1991b.
2. The materials from the excavations at Serra East by the Oriental Institute Nubian Expedition will be published in Williams, forthcoming ${ }^{\text {b }}$.

## CHAPTER 1

## CHRONOLOGY AND BURIAL CUSTOMS

New Kingdom remains make up one of the largest and most widespread bodies of material in the archaeology of Nubia. Almost all of the objects and burial customs are of Egyptian type, however, raising the problem of the fate of the Nubian cultures that predominated so completely only a generation or so earlier. In addition, most datable contexts belong to the first few generations of the Eighteenth Dynasty, making it difficult to identify remains of a population after about 1450-1400 B.C. (see Säve-Söderbergh and Troy 1991: 1-13, for a summary).

## A. THE PROBLEM OF CULTURAL ORIENTATION IN THE NEW KINGDOM

As the Second Intermediate Period was brought to an end by Egyptian military campaigns, Lower Nubia, which had fallen away from Egyptian control by the end of the Thirteenth Dynasty, was reconquered. This reconquest accelerated the mixture of local archaeological groups or traditions that had begun earlier.' While Egypt controlled the area north of Semna during the Middle Kingdom, the local C-Group population had retained its own distinct material culture (Williams 1983: 116-20; Bietak 1968, pls. 3-8). The adjacent groups to the south and in the deserts were kept at a distance by a large and complex system of fortifications and patrols that limited contacts between native peoples of the two major regions of Nubia. ${ }^{2}$ Some time during the Thirteenth Dynasty, the fortresses left Egyptian control and the resident Egyptians accepted the overlordship of Kush, the major power to the south (Smith 1976: 73-76). At the same time, people from the desert, the Medjay, moved northward and their cemeteries are dotted among those of Nubia and Egypt (Bietak 1966: 64-65; Williams 1975: 589-98). Material remains of the Kushites were found buried in the cemeteries of Lower Nubia, where they probably died as soldiers in the armies of their ruler. ${ }^{3}$ These remains may point to a Kushite presence in the

1. See Bietak (1968: 126-27) for elements that continued into the New Kingdom.
2. For details of patrol activity, see Smither 1945: 3-10.
3. The graves themselves are well made and characteristic of Kushite cemeteries, but they are not outstandingly wealthy. See Williams 1975: 580-88; Bietak 1968, pl. 17.
administration as well. ${ }^{4}$ Archaeologically, these Kushites are known from scattered graves and grave-clusters of Kerma type that exist alone or with C-Group, Pan Grave, or even Egyptian cemeteries. Their pottery commonly occurs among Egyptian materials in the forts, but, since it is also found in Egyptian burials, there is no way to discern from its occurrence alone whether Kermans were a significant part of the fortress population. ${ }^{5}$ The Egyptians themselves did not disappear from Nubia since the numbers of Egyptian burials increased substantially (Smith 1976: 83; Williams 1975: 599-626) and biographies of persons in Egypt actually referred to Egyptian activities in Nubia (Säve-Söderbergh 1949: 57-58). Egyptian commandants and deputies in the fortresses served the ruler of Kush down to the end of the Hyksos period (Smith 1976: 85) and these rulers may well have used at least part of the symbolism of pharaonic rule (Smith 1976: 84).

The burials of the local population also reflect these currents. The C-Group adopted some Kerma practices, such as the bed burial, and C-Group tumuli even imitated to some extent the monumental size of the greater Kerma tumuli (Bietak 1968: 105, II/b/1, pl. 9). The Medjay, or Pan Grave culture, adopted some C-Group burial customs and occasionally used C-Group pottery (Williams 1983: 13). During C-Group Phase III (about the beginning of the sixteenth century B.C.), the pace of mixture was accelerated, especially among the C-Group, whose pottery generally took on the thinness and the broad-bottomed shapes of Pan Grave vessels (Williams 1983: 48-49, table 18) and whose burial customs began to show not just the adoption of foreign features but also the abandonment of native ones, such as the high stone circle that had typified their burials for half a millennium (Williams 1983: 11; note Cemetery U, pp. 230-34). However, this mixture occurred differently in the various parts of Nubia (Bietak 1968: 113) and the New Kingdom conquest altered this rapidly changing situation completely.

Native pottery traditions rapidly abated, then almost disappeared, especially among the C-Group and the Pan Grave cultures, leaving the object archaeology of Lower Nubia radically Egyptianized (see Chapter 5). Rectangular shaft tombs appeared, and the Egyptian shaft tomb with end chambers, which was previously found only near the fortresses, spread into areas where few, if any, Egyptian-type burials had been made before. The cemeteries of Lower Nubia give an impression of rapid Egyptianization which has supported the opinion that the native population was at least partly replaced by Egyptian settlers. ${ }^{6}$

Leaving aside the equivocal evidence offered by skeletal remains, this impression of rapid Egyptianization is countered by representations of Southerners in Egypt, which show
4. The administration was probably in the hands of the Egyptians settled in and around the fortresses. For one interpretation, see Smith 1976: 78-79, 84.
5. Kerma pottery occurs in clearly Egyptian tombs at Buhen, Aniba, and elsewhere. The best-known examples come from a late Second Intermediate Period burial at Qurna (Petrie, 1909, pls. XXII, XVIII, and pp. 6-10); note that it was a cleft/boulder burial.
6. A brief review of the problem is given in Vagn Nielsen 1970: 86-87; see also Simon 1984 for a study based on remains found recently at Kerma.
them as very different from Egyptians. ${ }^{7}$ Names are both Egyptian and non-Egyptian, even in the same families. ${ }^{8}$ Thus the first question in New Kingdom archaeology in Nubia is whether the homogeneous-seeming remains represent an actual archaeological "disappearance" or whether some elements of Kerma, Pan Grave, and C-Group traditions can be traced in the period. The question has special importance because characteristics of the Kerma tradition, for example, seem to have survived the New Kingdom and appeared again in the first millennium.

In some cases, older customs survived into the New Kingdom itself. For example, CGroup type tumuli continued to be erected high on the bluff behind older C-Group cemeteries (Williams 1983, app.). In other cases, New Kingdom burials continue the expansion of a Nubian cemetery in a manner that suggests intentional continuity. Although the burials that exhibit this survival and continuity tend to differ from the most definitely Egyptian burials, which were found in large double-chamber tombs, single burials also occur contemporaneously in Egypt. Written and representational records, as well as some of the more distinctive burial customs, show that local groups existed and preserved some of their original variety. However, all of these groups began to share a common body of manufactured goods, many of which were imported, and it is increasingly difficult to disentangle the various threads of tradition in later materials. If the pottery and objects alone were considered, such disentanglement would be almost impossible. A large and uncertain proportion of the materials will never be accurately identified with any specific cultural group.

## 1. EGYPTIAN BURIAL CUSTOMS

Although many Egyptians were buried alone, most Egyptian cemeteries of Middle and New Kingdom periods were groups of underground mausolea. Earlier shafts had small chambers dug from the ends and the sides or corners, making a radial group that included as many as six chambers. The shafts were then deepened and another group made, followed by yet another (Mace 1922: 6-8). By the New Kingdom large chambers were cut, either singly at the bottom of a stepped shaft or from one or both ends of a vertical shaft; often many burials were deposited in each chamber (see pp. 256-74, V 48, below; Petrie 1891: 21-24). These tombs were also augmented with additional chambers. Single burial shafts were not entirely unknown, especially during the Middle Kingdom, ${ }^{9}$ but they were uncommon in Second Intermediate Period Nubia (Williams 1975: 599-626). Multiple burial tombs might be considered an Egyptianizing characteristic, especially if there was also evidence of an Egyptian form of superstructure, but the great Nubian tombs of Serra East had exactly this form. Other Egyptianizing burial features attached the deceased to
7. The outstanding examples of special dress and complexions are in the tomb of Amenhotep called Huy (Davies and Gardiner 1926, especially pl. XXVIII).
8. See, for example, Hodjache and Berlev 1977: 183-88.
9. At Haraga, almost all of the Middle Kingdom tombs had at least one chamber. See Englebach 1923, pls. 58-62, and idem 1915, pls. 40-43.
the religious form of the Egyptian burial, including the coffin, cartonnage, shawabtis, and canopic jars; the extended burial may be related to a religious change that accompanied the reconquest. ${ }^{10}$

## 2. NON-EGYPTIAN BURIAL CUSTOMS

Because the material cultures of Nubia became mixed during the later Second Intermediate Period, even distinctive features that remained often cannot be taken to indicate the presence of any one of the three old cultural groups. They can, however, be used to identify a burial of local origin.

Location may be an important identifying characteristic because in the Middle Kingdom and the Second Intermediate Period Egyptian burials were not made in C-Group cemeteries (Williams 1975: 599-626, 630). Although Pan Grave and Kerma burials were made at Egyptian cemeteries, they were normally placed on the periphery of the main Egyptian cemetery (Williams 1975: 580-88). Groups of tombs that continue C-Group or Pan Grave cemeteries, especially single burials in simple shafts, should be considered Nubian. ${ }^{1}$ In addition, any use of a stone circle or dry stone mound should indicate that the burial was not of an Egyptian. ${ }^{12}$

A few types of objects probably indicate that the culture represented by a burial was not Egyptian. For example, C-Group pottery, which was not found with Egyptian burials of earlier periods in Nubia, may well indicate that the person buried was of local origin. ${ }^{13}$ For the same reason, Pan Grave pottery should indicate that the burial was Medjay. ${ }^{14}$ However, since Kerma pottery was exported to Egypt and commonly used by Egyptians in Nubia, ${ }^{15}$ it
10. Some of these characteristics are noted in Bietak 1968: 127, but numbered differently. For a discussion of religion and the burial in Nubia, see Williams 1991c.
11. For a major example at Tumas, see Bietak 1968, fig. 32, and Emery and Kirwan 1935, pl. 49. Many of the tombs in Fadrus Cemetery 185 (Säve-Söderbergh and Troy 1991: 252-93, pls. 67-180, located in Debeira) belonged to this group, although tombs with large chambers also occurred and some small tombs contained more than one burial.
12. See Säve-Söderbergh 1963: 57-58; Hughes 1963: 121-22 and pl. 26b. The tumuli and pyramids of Serra probably belonged to rulers of Teh-khet like the pyramids of Debeira. See Williams, forthcoming ${ }^{\text {a }}$, chap. 5.

By this time, Egyptians almost never intentionally buried adults in a contracted position on the side. This feature is closely tied to the fundamental religious basis of the burial and it is an important distinction. No adult of the New Kingdom found buried in a contracted position should be considered an Egyptian. However, burials of this type are so unusual in New Kingdom contexts, that any assigned to the period should probably be re-dated to another period, even if the associated objects date to the New Kingdom. See Säve-Söderbergh 1989, pls. 35-38, pp. 200-05. Cemetery 176 is probably post-New Kingdom.
13. Williams 1975: 599-626, 630. However such occurrences are quite rare, and the burials might be Napatan (Williams 1990b: 5).
14. For an illustration of the problem, see the datable remains of Cemetery 176 (Säve-Söderbergh 1989, pls. 35-38, 103-10), which are Napatan.
15. See, for example, Steindorff 1937, pl. 84, various.
cannot be used by itself to indicate that the owner belonged to the Kerma-Kushite cultural tradition.

Some of the New Kingdom tombs of otherwise Egyptian appearance had some nonEgyptian graffiti cut in the walls of the shaft (Steindorff 1937, pls. 31-32). These may, however, have been made by workmen and have no necessary relation to any burial.

The overwhelming majority of burials presented in this volume appear to belong to the Egyptianizing group. The Oriental Institute Nubian Expedition worked primarily on the low desert where such burials commonly occur in Lower Nubia, while the area above on the cliffs, where stone circles of New Kingdom date were found, was explored primarily by the Egypt Exploration Society. Incompletely Egyptianized local burials may be seen in the continuation of Cemetery K.

## B. CHRONOLOGY AND THE PROBLEM OF SETTLEMENT IN THE NEW KINGDOM

Few burials in Lower Nubia have been dated to the period after about 1400 B.C. This situation may be due to the lack of burials from the late New Kingdom, a difficulty in identifying burials of this period, or a change in the nature of the evidence at the end of the fifteenth century. The historical question is whether the population actually disappeared or was substantially reduced in the course of the Eighteenth Dynasty (see p. 1, above). This question can only be answered if reliable criteria can be derived to date the burials within a reasonable margin.

Because archaeological remains from Nubia in this period are almost identical with those from Egypt, any chronological scheme that is developed in one region must be applicable to the other. However, such schemes can vary considerably in the levels of detail and reliability achieved, depending on the structure of the argument and the type of evidence used.

Heretofore, two major approaches have been used in the dating of archaeological materials in Egypt that are not directly connected to any specific historical period. ${ }^{16}$ The method most frequently used has been to compare objects or practices in a group with counterparts in groups that contain objects with direct date-references such as royal names or for which some other chronological argument can be made. This dendritic mode of argument has major pitfalls, most important of which is the fact that deposits with direct date-references are very often not contemporary with the date referenced but only connected to it logically as earlier or later. ${ }^{17}$ The problem also applies to indirect datereferences, such as with pottery. For example, Naqada III pottery has appeared in C-Group

[^1]context a millennium after its manufacture. ${ }^{18}$ In a lesser used method, materials from contexts whose chronological boundaries can be determined are grouped typologically and dated according to logical termini, normally the latest evidence within the group. This method was used rather generally by Petrie and those who followed him as they excavated the large cemeteries of Upper Egypt, and broad phases were successfully identified and dated. Had mixed groups and reused objects been excluded from consideration, this approach might have yielded a chronology that would reliably distinguish materials within much narrower bands of time.

Since a complete review of the available evidence would require too much space to be presented in this report, the tombs from Qustul and Adindan must be dated by a limited application of the second approach. A number of tombs and other contexts in Nubia and Egypt can be identified as datable to a specific period or capable of supporting chronological arguments. These groups could be used as chronological standards to indicate the sequence of development in key types of objects and to give them an approximate date. The standard groups were selected primarily for the quality of their chronological definition and the relative certainty of their date. The resulting list of standard groups (table 2, p. 14) is quite short and includes some that are quite sketchy.

Since many tombs and contexts were reused (see especially R 20 , R $29, \mathrm{R} 35, \mathrm{~V} 46$, and $V 48$ ), and their objects reused as well, deposits of objects intentionally placed together at one time were selected as standards wherever possible. In important cases, collected groups, such as Asasif T 37 or the "tomb of Maket" were used because there were reasons to believe the time of their deposit was limited. Otherwise, large groups with many deposits that could not be separated were rejected as unreliable and their use in chronological argument avoided as unsound.

## 1. THE HYKSOS PERIOD

Materials of the Second Intermediate Period are plentiful in Egypt and near the forts in Nubia. However, they are frequently difficult to date because direct links to historical events are lacking.

## Kerma

The best dated groups that belong to the Hyksos period are the royal tombs of the rulers of Kush at Kerma, the great tumuli K XVI, K X, K IV, and K III. Although these tumuli were originally dated much earlier, they can be dated from the middle of the seventeenth into the first quarter of the sixteenth centuries. The evidence is scattered in the tumuli and the reasoning required to connect it to the historical sequence is rather involved. Since

[^2]these contexts are vital to a clear understanding of the archaeological chronology of the period, the problem is discussed in Appendix A.

The great tumuli contained a vast record of Kerma culture archaeology and large numbers of Egyptian objects. Although many stone objects were plundered from Egyptian tombs of earlier date, Egyptian pottery, most faience, and most of the metal objects can be considered contemporary imports or of local manufacture. ${ }^{19}$

## 2. THE EARLY NEW KINGDOM

## The AhHotep Treasure

The treasure of Kamose's mother includes jewelry and weapons from the end of the Seventeenth Dynasty (von Bissing 1900). The date is definite although objects in humbler materials, such as pottery, are lacking.

## The Tomb of Ahmose Nefertari

Although the tomb was reused in later times, many stone vessels in complete or fragmentary condition were found in this tomb and provided important information on the stone vessels of the early Eighteenth Dynasty (Carter 1916).

## The Tomb of Meritamun

The tomb of Queen Meritamun was originally dated to the reign of Amenhotep II, but the reasons given were inadequate and the queen must be considered the earlier royal lady of that name. ${ }^{20}$ Her body was re-wrapped in later times and her tomb had been reused; only the coffin, stripped of its gold, the body, one girdle, baskets, pottery, and boxes remained with other material of little value to plunderers. Metal, stone vessels, and other jewelry had been removed. The group is very important for chronology because of the pottery and coffins, as well as the girdle.

Tomb 37, AsASIF, Thutmose I Chamber
The contents of chamber A in Asasif Tomb 37 are dated to the period before the end of Thutmose I's reign by his seal on the blocking. The group is particularly useful for the history of coffins (Carnarvon and Carter 1912, pl. LV, chamber A; pp. 83-84, burials 68-76).

## NEFERKHAWET, EARLY BURIALS

The most important private burials of this period are those of Neferkhawet and Rennefer (Hayes 1935). It would appear that they were buried in a typical tomb of the
19. Faience and bronze objects were made locally. For a furnace, see C. Bonnet 1982: 34-39.
20. Winlock 1932; see also Logan and Williams 1978: 23-30. For a discussion of the architecture, see Romer 1976: 194-97; note the Eleventh Dynasty parallels for the design.

New Kingdom (table 1), a shaft with a chamber on the west (more chambers were added later). According to custom, a simple chamber would be made first; this apparently received the burial of Rennefer. This burial is dated at or later than Thutmose I (Hayes 1935: 18). Sometime later, a pathway was made through Rennefer's burial goods, apparently treating them with respect. A second, very small and irregular chamber was excavated behind the first and the coffin and goods of Neferkhawet were deposited (Hayes 1935, fig. I). Since his office related to the god's wife Hatshepsut, he perhaps died before she actually took the throne early in the reign of Thutmose III. The burials were thus probably made between the accessions of Thutmose I and Hatshepsut; the coffins, pottery, stone vessels, and objects are very important for our understanding of the period's archaeology. Because the report is very preliminary, however, many details are not available.

After the west chamber was sealed, a second was excavated from the east end of the shaft. Although Hayes believed the first use of this chamber was for the anthropoid coffins placed in its southern part, it may be that the chamber was originally approximately rectangular, when some simple and rather poor burials in the rectangular coffins were deposited. After these burials, the shape of the chamber was altered to accept additional interments which were made in later dark anthropoid coffins. These may have been brought down a secondary shaft from a third chamber cut directly above.

The foregoing reconstruction of events differs somewhat from that of Hayes, ${ }^{21}$ and it alters the order of burials as indicated in table 1 . The major change is that the family connections envisioned by Hayes are not accepted. Instead, there seem to be four phases of deposition, none of which have any necessary connection with the others. The first phase (A) includes Rennefer and Neferkhawet and it dates to the reigns of Thutmose I and II. The second phase (B) consists of the construction of the eastern chamber and the deposit of rectangular coffins with gabled lids. The third phase (C) consists of usurpation in the east chamber and the child burials. The fourth phase (D) includes Bokamun, Ruyu, and Amenemhat, and it dates to the period just before the tomb was closed, probably late in the reign of Thutmose III. It should be noted that each of these phases is a cohesive group of burials distinguished by type and location from the other phases.
21. Hayes 1935: 12. It seems clear that the rectangular coffins in the second chamber precede the anthropoid ones and the latter belong to the later dark-coffin type.

Table 1. The Order of Deposition in the Tomb of Neferkhawet


## 3. THE ERA OF THUTMOSE III

Many groups can be dated to this period or later by the occurrence in them of scarabs and other objects with the name of Thutmose III or Queen Hatshepsut, executed in a style that parallels scarabs from foundation deposits of the period. However, groups dated to this reign that do not also contain later materials are much less common.

## ASASIF TOMb 37

One of the largest groups from this period was also the largest excavated by Carnarvon and Carter in the Asasif (Carnarvon and Carter 1912: 64-88, pl. LV). Its closing is dated to the reign of Thutmose III by the fact that Hatshepsut's causeway was built over it. This may have occurred early in the reign, but this is not likely as a causeway used to bring construction material would have been made of mud brick to avoid damaging the fine stone of the ceremonial way. The construction of the causeway would not therefore necessarily have preceded the temple but may have been undertaken at the same time or later. Apart from chamber A, the deposit in the tomb consisted primarily of coffins and their contents, the burials, and a few small objects. The names of Thutmose III and contemporary persons are found on scarabs from lower burials in the pile of coffins that filled the main shaft (Carnarvon and Carter 1912: 80, see burial 53). Moreover, the pottery and objects not actually found in the coffins are fewer in number than usually found in complete burials of the time (cf. Bruyère 1937). It seems likely that the tomb deposits consist of coffins that
were uncovered as the construction of the causeway cut into various tombs and then were re-buried without other associated grave goods. They could not be considered in any particular order. Although the tomb did not contain a complete range of deposits the date of its closure near midpoint of the reign of Thutmose III makes it an important group.

## THE EASTERN CEMETERY AT DEIR EL-MEDINA

A small cemetery east of the workmen's village at Deir el-Medina contained many intact burials with numerous objects and pottery vessels (Bruyère 1937). Most chambers contained only one or two burials. Scarabs from the cemetery had royal names that ranged only from Amenhotep I to Thutmose III; most had the names of Hatshepsut and Thutmose III (Bruyère 1937: 203). The objects include important parallel examples of objects found in Nubia. Unfortunately, the groups were published only in a most summary fashion and the pottery and objects are not well illustrated.

## The TOMB OF "MaKET" AT EL-LAHUN

The tomb Petrie called the tomb of Maket was an enlargement of a storage cellar in the workmen's village at el-Lahun (Petrie 1891: 21-24). The chamber was large and it contained many burials; the innermost was dated in or after the reign of Thutmose III (Petrie 1891: 22; pl. XXVI: 2, 4, 26, 27, 34; see Thutmose II, no. 19). Many of the coffins were rectangular, but middle and later burials were made in anthropoid coffins, and the late coffins included at least one with yellow painted decoration on a black background. ${ }^{22}$ The tomb, with its forty to fifty burials, was in use during at least the reign of Thutmose III and probably that of Amenhotep II.

## Scarabs from Deposits of Hatshepsut and Thutmose ili

Although foundation deposits very often contain materials that differ from those in current use, the scarabs from the foundation deposits of Hatshepsut have a very special style that can be paralleled in other contexts, sometimes with names of other pharaohs of the early Eighteenth Dynasty (Winlock 1942: 132, pl. 43; Hayes 1959: 88, fig. 48).

## 4. THE REIGN OF AMENHOTEP II

Very few groups of materials can definitely be dated to the period immediately after Thutmose III. This is due partly to the fact that scarabs of Amenhotep II are less common than those of Thutmose III and partly to the fact that his mortuary temple was built away from the area used for private tombs; the architectural argument useful for dating some earlier tombs is not available.

Some additional chronological evidence can be sought in detailed representations of certain pottery vessels on tomb walls. Although some special themes may have been copied from earlier sources, representations of objects from daily life include objects that

[^3]differ from those shown in equivalent scenes earlier or later. Some of the more precisely illustrated objects have chronological value. However, the size of many representations is small and the omission or stylization of details often limits the value of representations for chronology.

## MAHIRPER

The most prominent group that can be dated to the later part of Thutmose III's reign or the reign of Amenhotep II is that of Mahirper or Mahirpri in the Valley of the Kings (Tomb 36). Since the name of Hatshepsut was found on one of the wrappings, his tomb is dated to the period of her reign or later. Unfortunately, the tomb was not completely intact and jewelry that might further refine the date is missing (Daressy 1902: 1-61; 24001-24100; tomb no. 36); even a linen wrapping might have been stored for a long time in a royal magazine. ${ }^{23}$ In any case, his burial differs from the earlier burials enough to indicate a slightly later date.

## Royal Tomb

The contents of Amenhotep Il's tomb were extremely fragmentary and difficult to compare with objects from ordinary tombs and contexts (Daressy 1902, 24101-11496).

## 5. THE REIGN OF THUTMOSE IV

The name of Thutmose IV is not common on objects from private contexts. However, many courtiers and officials of the period made decorated tombs with particularly vivid and distinctive representations of objects that can be distinguished from those of other reigns (Davies and Davies 1923). Although the tendency to stylize some objects in representations makes some comparisons difficult, many objects and pottery are represented in detail, providing important evidence for dating archaeological groups, especially when the representations depict successive modifications of the same type of object (Davies and Davies 1923, pls. VIB and XXI, above).

The Royal Tomb
Although much material from the royal tomb has been published, most objects are not clearly related to the kinds of objects in materials from private contexts in Nubia. ${ }^{24}$

## Amenhotep II and Thutmose IV, Summary Remarks

Although the epigraphic evidence provides some evidence to date materials to this period, the lack of actual dated contexts made it necessary to assign groups to the reigns of Amenhotep II and Thutmose IV because their materials do not correspond to the
23. For the name and titles, see Legrain 1908, no. 108.
24. Carter and Newberry 1904. See, however, pl. XXIII for faience vessels in the shapes of pottery jars, and pl. XXVII for glass.
immediately preceding or succeeding reigns. Chronological arguments of this kind are not satisfactory, but the assignment of groups is based on changes in pottery which would not normally permit their assignment to any other period.

## 6. THE REIGN OF AMENHOTEP III

The name of Amenhotep III was a popular subject on scarabs that appear in contexts during and after his reign. This continuing popularity makes it difficult to identify materials that were actually contemporary. However, three very important contexts in Egypt date to this reign.

## KHA

The tomb of Kha and his wife contained a large quantity and variety of objects in every material normally available to an Egyptian official of the period (Schiaparelli 1927). Kha's inscribed objects included one of Amenhotep II (Schiaparelli 1927, fig. 156). He appears to have lived under both Thutmose IV and Amenhotep III (Schiaparelli 1927, fig. 157) and may have lived during the reign of Amenhotep II since an inscribed object of Amenhotep II was found in Kha's tomb; the objects buried with the couple thus indicate the range of goods available in the later part of Thutmose IV's reign and the earlier part of the reign of Amenhotep III.

## Yuya and Tuya

The tomb of Tiy's parents contains one of the most important groups in Egypt, but the pottery was not completely published. Nevertheless, some vessels are available for examination in the collection of the Oriental Institute (Quibell 1908).

## Malkata Palace

Large quantities of pottery were found in the palace of Amenhotep III. Because of its association with the jubilee, most of the materials from the palace probably date late in the reign. Although the palace may have been used after the reign for a time, vessels sealed during the king's lifetime offer important chronological evidence (Hope 1977, see table 4).

## 7. THE AMARNA AND POST-AMARNA PERIODS

The late Eighteenth Dynasty is illustrated by two remarkable archaeological groups, that of the city of Akhetaten itself and that of the tomb of Tutankhamun. The city built by Akhenaten and abandoned by his successors contained an extensive variety of materials that represent many industries and crafts in detail. Although some areas of the site may
have continued to be used, the great structures of the capital and their contents began with Akhenaten and end largely by the end of the dynasty. ${ }^{25}$

Although comparatively few objects are related to daily life, the concentration of jewelry, precious objects, and even stone vessels in the tomb of Tutankhamun offer a valuable supplement to the archaeological group of the city of Akhetaten. ${ }^{26}$

## Hekanefer

In addition to the major groups, the tomb of the local ruler of Toshka in Lower Nubia, Hekanefer, dates to the post-Amarna period, and it contained a few pottery vessels (Simpson 1963: 16-17, figs. 11-14).

## Deir el-Medina, Horemheb Group

A cave in the town of Deir el-Medina contained a group of vessels dated by dockets approximately to the reign of Horemheb (Nagel 1938: 121-23).

## 8. THE LATE NEW KINGDOM

The New Kingdom after the Eighteenth Dynasty is not well represented among the high-quality dated groups of the Theban area. Moreover, many of the groups known in preliminary fashion are even more mixed than those of the Eighteenth Dynasty. ${ }^{27}$ However, relatively few groups in the present material could be compared even approximately with those known from Thebes. They were poor and some appear to have contained disturbed material, though they could clearly be dated by termini to this period. We have therefore not attempted a full critical evaluation of groups to establish a sequence for the Nineteenth and Twentieth Dynasties.
25. For Amama pottery, see Kelley 1976, pl. 67.1-24; Peet and Woolley 1923, pls XLIV-XIV, XLVI-LIV; Frankfort and Pendlebury 1933, pls. LI-LIV; Pendlebury 1951, pls. LXXXIII, CIX, and CXII (note J, the beer jar); and Petrie 1894, pls. XXVI-XXX.
26. See especially Carter and Mace 1923, idem 1927, and idem 1933. See also Winlock 1941, especially pp. 14-17 and pls. V, VII, and IX-X. Volumes of the Tutankhamun's Tomb Series do not yet cover materials of ordinary type.
27. Nagel 1938: 1-150, various; Petrie 1891: 17-18, pis. XVII-XX (note that these are cited only to indicate a generally late New Kingdom date). A number of important groups from Gurob also date to the period, but they contained objects that were more elaborate than those generally found in Nubia. See Bell 1985: 61-86 for a discussion of important material from Gurob which dates generally to the early Ramesside period; many of the parallels cited for these groups are found in large collective tombs, especially those of Deir el-Medina.

Table 2. Chronology of Standard Groups

| TombSecond <br> Intermediate <br> Period | $\begin{gathered} \text { Dyn. XVIII } \\ \text { to } \\ \text { Thutmose III } \end{gathered}$ | Thutmose III | Amenhotep II to Thutmose IV | Amenhotep III to Amarna Period | Post-Amarn Period |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Kerma |  |  |  |  |  |
| K III-XVI $\times$ |  |  |  |  |  |
| Ahmose-Nefertari |  |  |  |  |  |
| Nefertari | $[\times]$ |  |  |  |  |
| Meritamun | $\underline{ } \times$ |  |  |  |  |
| Neferkhawet |  |  |  |  |  |
| Early burials | $[\times]$ |  |  |  |  |
| Late burials |  | $[\times]$ |  |  |  |
| T37 |  |  |  |  |  |
| Thutmose I chamber | $--[\times]$ |  |  |  |  |
| Remainder | ---- $\times$ ] |  |  |  |  |
| Deir el-Medina |  |  |  |  |  |
| East cemetery | -----[×] |  |  |  |  |
| Horemheb cellar |  |  |  |  | $\times$ |
| Maket |  | [ $\times$ | ]- |  |  |
| Mahirpri |  | 1 | $\times$ ] |  |  |
| Royal Tombs |  |  |  |  |  |
| Amenhotep II |  |  | $\times$ |  |  |
| Thutmose IV |  |  | $\times$ |  |  |
| Kha |  |  |  | $[\times]$ |  |
| Malkata |  |  |  |  |  |
| Amarna |  |  |  |  | [×]- |
| Tutankhamun |  |  |  |  |  |
| Tomb |  |  |  | ---[ | $\times$ ] |
| Cache |  |  |  |  | $[\times]$ |
| Hekanefer |  |  |  |  | $[\times]$ |

Key: $x=$ definite historical date $[\times]=$ probable limits of date. $----=$ possible extension.

## 9. DATING THE GROUPS AT QUSTUL AND ADINDAN

The New Kingdom materials from Qustul and Adindan were as mixed as their counterparts in Egypt and many objects were reused. For these reasons, many objects could not be used as chronological indicators. However, some objects could be used to set certain chronological limits. For example, scarabs and other glyptic were used only as termini post quem, as they were in selecting the Egyptian groups used as chronological standards. Other small, valuable, and durable objects, especially kohl jars, were generally rejected as chronologically unreliable, although kohl jars seem to be replaced by tubes after the middle of the Eighteenth Dynasty. Because it was relatively common, pottery was found to be the most effective means of dating mixed or small groups of the type found in New Kingdom Nubia. Although it was occasionally reused, pottery changed fairly rapidly in the

Eighteenth Dynasty and many changes could be traced in the successive standard groups itemized above, even with the severely limited publications available. However, the groups were frequently fragmentary, both in Nubia and Egypt, making it necessary to cross-compare the pottery on a qualitative basis within the standard groups to distinguish successive modifications of details and to make a list of chronologically defined vessels. The pottery of each tomb (or level in the case of large groups) was compared with this list in order to assign a range of dates to the tomb or level. The result served the limited objective of distinguishing broad phases.

Based on the pottery, five major phases have been established within the New Kingdom material (table 3). Few materials could be dated to the Second Intermediate Period, but tombs of the early Eighteenth Dynasty were common. The two most prominent and reliably dated groups of material are those extending from just before to just after the time of Thutmose III and those extending from Kha to Amarna, which were the richest in the period. Between these two phases that are anchored by close parallels with major groups in Egypt, many burials can be assigned dates based on the occurrence of pottery vessels that are found in neither the early nor the later anchored groups but which have important features in common with both. The chronological position of these groups is confirmed somewhat by the fact that vessels assigned dates between the major phases often occur together and with materials of transitional character. The last phase is very long; Ramesside scarabs clearly prove that burials were made after the Amarna period in some numbers. However, they are quite poor and the simple pottery resembles Amarna pottery so much that further refinement of the date was not possible. ${ }^{28}$

The following table 3 indicates the key types of vessels and their approximate range of dates. For supporting documentation, see the discussions of individual vessels in Chapter 2 below.

Table 3. Pottery as Dated by Standard Groups and Termini

| Type | Second Intermediate Period | $\begin{gathered} \text { Dyn. XVIII } \\ \text { to } \\ \text { Thutmose III } \end{gathered}$ | Thutmose III | $\begin{gathered} \text { Amenhotep II } \\ \text { to } \\ \text { Thutmose IV } \end{gathered}$ | Amenhotep III to Amarna Period | Post-Amarna Period |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| BOWLS |  |  |  |  |  |  |
| UA |  |  |  |  |  |  |
| Early | - | $\times$ | $\times$ | - | - | - |
| Late | - | - | - | + | + | $\times$ |
| CB |  |  |  |  |  |  |
| 1 | $\times$ | $\times$ | $\times$ | - | - . | - |
| 2 | - | - | - | - | $\times$ | - |
| 3 bi | - | $\times$ | $\times$ | - | - | - |

28. Scarabs of Ramesses II were found at the bottom of a shaft filled with eight or nine levels of poor burials (V 46). The pottery of this group of burials included a number of convex-based bowls of Amarna type (5b) and these were found in a number of other tombs dated to the Amarna period, but which may have continued later. The reduction in the amount of pottery and objects in burials probably began by the end of the Eighteenth Dynasty, making ordinary burials difficult to identify.

Table 3. Pottery as Dated by Standard Groups and Termini (cont.)

| Type | Second Intermediate Period | $\begin{gathered} \hline \text { Dyn. XVIII } \\ \text { to } \\ \text { Thutmose III } \end{gathered}$ | Thutmose III | Amenhotep II to Thutmose IV | Amenhotep III to Amarna Period | Post-Amarna Period |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| BOWLS (cont.) |  |  |  |  |  |  |
| CB (cont.) |  |  |  |  |  |  |
| 4aii-iii | - | - | - | - | $\times$ | - |
| 5b | - | - | - | - | -------x | - |
| JARS |  |  |  |  |  |  |
| UJ |  |  |  |  |  |  |
| 2 | - | - | - | + | - | - |
| 3 | - | - | x-------? | - | - | - |
| CJ |  |  |  |  |  |  |
| 1 | - | $\times$ | $\times$ | - | - | - |
| 2a | - | - | - | - | $\times$ | - |
| 6bii-iii | - | - | - | - | $\times$ | - |
| 5aiii | $\times$ | $x$ | - | - | - | - |
| 5aviii | - | $\times$ | $\times$ | - | - | - |
| 5 ax | - | - | - | - | $\times$ | - |
| 5axi | - | - | $\times$ | - | - | - |
| 5axii-xiii | i | - | - | - | $\times$ | - |
| 7 c unc. | - | - | - | $+$ | - | - |
| 8 a | - | - | - | +? | - | - |
| 8 b | - | - | x*3 | +? | x --------- | - |
| 8 cii | - | - | - | + | $\times 1$ | - |
| 9 | - | x*4 | - | - | - | - |
| 10 | - | - | $\times$ | - | - | - |
| 11 | - | - | - | $\times$ | - | - |
| PJ |  |  |  |  |  |  |
| 1 | - | [ | $\times$ ] | - | - | - |
| 2a | $\times$ | - | - | - | - | - |
| 2 bi | $\times$ | - | - | - | - | - |
| 2ci-dvi | - | -? | $\times 1$ | - | - | - |
| 3 | - | $\times$ | $\times$ | $+$ | - | - |
| 4 | - | - | $\times$ | $+$ | $\times$ | - |
| 5 | - | - | [ $\times$ | $+$ | - | - |
| AMPHORA (AM) |  |  |  |  |  |  |
| 1 | - | $\times$ | $\times 1$ | - | - | - |
| 2 | - | - | - | [ $\times$ ] | - | - |
| 3a | - | - | - | + | - | - |
| 3b | - | - | - | +? | - | - |
| STANDS (ST) |  |  |  |  |  |  |
| 1 | - | - | $\times$ | - | - | - |
| 2 | - | - | $\times$ | - | - | - |
| 3 a | - | - | $\times$ | - | - | - |

Table 3. Pottery as Dated by Standard Groups and Termini (cont.)

| Type | Second Intermediate Period | $\begin{gathered} \text { Dyn. XVIII } \\ \text { to } \\ \text { Thutmose III } \end{gathered}$ | Thutmose III | Amenhotep II to Thutmose IV | Amenhotep III to Amarna Period | Post-Amarna Period |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| LIDS (LI) |  |  |  |  |  |  |
| 1 | - | - | - | - | $\times$ | - |
| 2 | - | - | $\times$ | - | - | - |
| 3 | - | - | $\times-\cdots---]$ ] | - | - | - |
| IMPORTS (IM) |  |  |  |  |  |  |
| 1 | - | - | - | - | $\times$ | - |
| 3 | - | -? | $\times$ | - | - | - |
| 4 | - | $\times------{ }^{-1}$ | ] - | - | - | - |
| 5 | - | - | $\times$--------] | ] | - | - |
| 6 | - | - | $\times \cdots$ | ] | - | - |
| 7 | - | - | - | [ $\times$ | $\times$ | $\times$ |
| 8 | - | - | $\times$ | - | - | - |

Key: $\times=$ Based on positive evidence. ${ }^{*}=$ Probable. []$=$ Probable limits. $--=$ Possible extension. $+=$ Dated by inference; not in earlier or later groups.

Table 4. Tombs at Qustul and Adindan as Dated by Pottery and Termini

| Tomb | Second Intermediate Period | $\begin{gathered} \text { Dyn. XVIII } \\ \text { to } \\ \text { Thutmose III } \end{gathered}$ | Thutmose III | Amenhotep II to Thutmose IV | Amenhotep III to Amarna Period | Post-Amarna Period |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| R 4B | - | - | - | - | - | $\times$ |
| R 9 | [ | $\times$ | ] | - | - | - |
| R 13 | - | - | 1 | $\times$ | - | $\times$ ] |
| R 17 | - | - | - | - | ?[ | $\times$ |
| R 19 | - | - | - | - | - | [ $\times$ ] |
| R 20 | - | - | - | - | - | [ $\times$ ] |
| R 25 | - | - | - | [ | $\times$ | ] |
| R 29 | - | - | [ | $\times$ | ] | - |
| R 32 | - | - | [ | $\times$ | ] | - |
| R 33 | $\times$ | - | $\times$ | - | - | - |
| R 35 |  |  |  |  |  |  |
| Shaft | - | - | - | - | - | [ $\times$ |
| Ech. (f) | - | - | - | - | [ | $\times$ ] |
| Ech. (e) | - | - | - | - | - | [ $\times$ ] |
| W.ch. | - | - | - | I | $\times$------ | - |
| R 38 | - | - | - | - | - | - |
| R 40 | - | - | $\times$ | - | - | - |
| R 41 | - | - | [ |  | $\times$ | ] |
| R 42 | - | - | - | - | - | - |
| R 43 | - | - | - | - | ----x | - |
| R 45 | - | - | - | $\times$ | - | - |
| R 46 | - | - | - | $\times$ | - | - |

Table 4. Tombs at Qustul and Adindan as Dated by Pottery and Termini (cont.)

| Tomb | Second Intermediate Period | $\begin{gathered} \text { Dyn. XVIII } \\ \text { to } \\ \text { Thutmose III } \end{gathered}$ | Thutmose III | $\begin{gathered} \text { Amenhotep II } \\ \text { to } \\ \text { Thutmose IV } \end{gathered}$ | Amenhotep III to Amarna Period | Post-Amarna Period |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| R 47 | - | - | - | $\times$ | - | - |
| R 49 | - | - | - | - | - | - |
| R 56 | - | - | - | $\times$ | - | - |
| R 58 | - | - | - | $\times$ | - | - |
| R 61 | - | - | - | - | - | - |
| R 63 | - | - | - | - | - | - |
| R 67 | - | - | $\times$ | - | - | - |
| R 68 | - | - | - | - | - | $\times$ |
| R 75 | - | - | - | - | $[\times$ | , |
| R 76 | - | - | - | - | $\underline{ }$ [ $\times$ | ] |
| R 79 | - | - | / |  | $\times$ | ] |
| R 83 | - | - | [ |  | $\times$ | ] |
| R 84 |  |  |  |  |  |  |
| Ch. | - | - | [ |  | $\times$ | I |
| Sh. | - | - | - | - | $\times$ | , |
| R 85 | - | - | - | - | - | - |
| R 86 | - | - | - | - | - | - |
| R 88 | - | - | - | - | - | $\times$ |
| R 91 | - | - | I |  | $\times$ | , |
| R 94 | - | - | - | - | - | [ $\times$ ] |
| R 120 | - | - | - | - | - | - |
| V 45 | - | - | - | ? | $-\times 1$ | - |
| V 46 | - | - | $\times$ | - | - | - |
| Ech. | - | - | - | - | $[x]$ | - |
| W ch. | - | - | - | - | $[\times$ | 1 |
| Sh. XI | - | - | - | I | + | ] |
| Sh. X-I | - | - | - | I | [ $\times$-- ( $>$ Ramesses II) |  |
| V47 | - | - | - | -- | - | $\times$ |
| V 48 | - | - | $\times$ | - | - | - |
| W ch. | - | - | - | - | - | - |
| 1st. | - | - | - | 1 | $\times$ | 1 |
| 2nd. | - | - | - | - | - | [ $\times$ ] |
| 3rd. | - | - | - | - | - | $[\times]$ |
| Ech. | - | - | - | - | - | $\times$ |
| Sh. | - | - | - | - | [ | $\times$---- |
| V 49 | - | - | - | - | - |  |
| V 50 | - | - | - | - | - | $\times$ |
| V 53 | - | - | - | [ |  | $\times$ ] |
| V 54 | - | - | $[\times]$ | - | $\times$ | - |
| V 55 | - | - | - | $\times$ | - | - |
| V 56 | - | - | - | - | - | $\times$ |
| V 59 | - | - | - | - | - | - |

Table 4. Tombs at Qustul and Adindan as Dated by Pottery and Termini (cont.)

| Tomb | Second Intermediate Period | $\begin{gathered} \text { Dyn. XVIII } \\ \text { to } \\ \text { Thutmose III } \end{gathered}$ | Thutmose III | $\begin{gathered} \text { Amenhotep II } \\ \text { to } \\ \text { Thutmose IV } \end{gathered}$ | Amenhotep III to Amarna Period | Post-Amarna Period |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| V 60 | - | - | - | - | - | - |
| Chs. | - | - | - | - | - | [×] |
| Sh. | - | - | - | I | $\times$ | ? |
| V 61 | - | - | - | - | - | - |
| V 62 | - | - | - | - | - | - |
| V 63 | - | - | - | - | - | - |
| V 64 | - | - | - | - | - | $\times$ ? |
| V 65 | - | - | - | - | - | - |
| V 66 | - | - | [ |  | $\times$ | ]? |
| V 68 | - | - | - | - | - | - |
| V 69 | - | - | - | - | - | - |
| V 70 | - | - | - | - | - | - |
| V 71 | - | - | [ |  | $\times$ | ]? |
| V 72B |  |  |  |  |  |  |
| F | - | [ $\times$ ] | - | - | - | - |
| E | - | - | 1 | $\times$ ] | - | - |
| Rest | - | - | [ $\times$ ] | - | - | - |
| V73 |  |  |  |  |  |  |
| E-F | - | - | 1 |  | $\times$ | 1 |
| III | - | - | - | - | - | $\times$-- |
| V 74 | - | - | I |  | $\times$ | ] |
| V 75 | - | - | ? | $\cdots$ | - | - |
| V 76 |  |  |  |  |  |  |
| W ch. | - | - | - | 1 $\times$--- | ? | ? |
| Ech. | - | - | - | - | - | --x -- |
| Sh. | - | - | - | - | - | --× -- |
| V 79 | - | - | - | - | - | - |
| V 81 | - | - | [ |  | $\times$ | ] |
| V 82 | - | - | $\times$ | - | - | - |
| V 83 | - | - | - | - | - - | [ $\times$--- |
| V 84 | - | - | - | - | - | - |
| V 85 | - | - | - | - | - | - |
| V 86 | - | - | - | - | - | - |
| V 92 | I |  |  | $\times$ |  | ] |
| V 93 |  | - | - | 1 | $\times$ | J |
| V 94 | $\times$ | - | $\times$ | - | - | - |
| V 97 | $\times$ | - | $\times$ | - | - | - |
| V113 |  |  |  |  |  |  |
| Ech. | - | - | [ $\times$---- | ? | ? | ? |
| W ch. | - | - | - | ----x ----- | - | - |
| Sh. | - | - | - | - | [ | $\times$ ] |
| V 120 | - | - | - | - | - | $\times$ |
| K 1 | - | - | [ $\times$ ] | - | - | - |

Table 4. Tombs at Qustul and Adindan as Dated by Pottery and Termini (cont.)

| Tomb | Second Intermediate Period | $\begin{gathered} \text { Dyn. XVIII } \\ \text { to } \\ \text { Thutmose III } \end{gathered}$ | Thutmose III | Amenhotep II to Thutmose IV | Amenhotep III to Amarna Period | Post-Amarna Period |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| K 2 | - | - | [ $\times$ ] | - | - | - |
| K 5 | - | - | ? | - | - | - |
| K 6 | - | - | - | - | - | - |
| K 7 | - | - | - | - | - | - |
| K 10 | - | - | ? | - | - | - |
| K 11 | - | - | - | - | - | - |
| K 12 | - | - | ? | - | - | - |
| K 18 | - | - | [ |  | $\times$ | 1 |
| K 21 | - | - | - | - | - | - |
| K 31 | - | - | [ $\times$ ] | - | - | - |
| K 50 | - | - | [ $\times$ ] | - | - | - |
| K 64 | - | - | - | - | - | - |
| K 65 | - | - | 1 |  | $\times$ | J |
| S 5 - | - | - | - | - | $\times$ |  |
| S 6 - | - | - | - | - | $\times$ |  |
| S 7 - | - | - | - | - | $\times$ |  |
| S 8 - | - | - | - | - | [ $\times \cdots$ |  |
| S 9 - | - | - | - | - | - |  |
| S 10 | - | - | - | - | - | - |
| W 52 | - | - | - | - | - | - |
| W 53 | - | - | - | - | - | - |
| W 55 | - | - | 1 |  | $\times$ | ] |
| W 56 | - | - | [ |  | $\times$ | , |
| W 68 | - | - | - | - | - | - |
| W 77 | - . | - | - | - | - | - |
| W 78 | - | - | - | - | - | - |
| W 81 | - | - | [ |  | $\times$ | ] |

Key: $x=$ Presence of object indicated by $x,{ }^{*}$, or + in table 3 , or by other dated object.
[ ] = Probable limits. $----=$ Possible extension.

## C. BURIAL CUSTOMS AT QUSTUL AND ADINDAN

The burial customs were essentially the same as those of contemporary Egypt. However, the cemeteries were not as rich as the Eastern Necropolis at Deir el-Medina, or administrative centers such as Aniba or the seats of local rulers, such as Serra.

Two types of tombs were used. The most common was a rectangular or square chamber, some $2.0-3.0 \times 2.0-3.0 \mathrm{~m}$ excavated from either the east or the west end of a rectangular shaft about $2.0 \times 1.0 \times 2.5-3.0 \mathrm{~m}$. Most often, a chamber was excavated at each end of the shaft, although some are not complete, indicating that the extra chambers were additions. The chambers were usually sealed by courses of mud brick, which were sometimes plastered; occasionally some stones were added. Elaborations seen elsewhere, such as carved doorframes and grooves with slab portcullis-doors also did not occur. At
administrative centers and the sites of ruler's courts, tombs of this type often had superstructures, but none were found at Qustul and Adindan. None of these tombs was found with only a single burial, and it seems likely that no one was interred in such a tomb in this area with the expectation that they would remain alone (see V 48).

The second type of tomb was a shaft with a narrow chamber excavated from the side. Although these tombs were also frequently reused, they could not accommodate more than a single burial and its associated goods without displacement, and they were probably intended to hold only one interment ( see K 31).

Most burials were quite simple. Only a few were made on the side. Almost all were extended on the back, with the head east or west, although some other directions occurred. The hands were placed at the pelvis or crossed on the pubis.

Poorer burials had only one or two pottery vessels and possibly a scarab or some jewelry, but many were equipped with coffins, some rectangular, some anthropoid, and some of either type decorated. Richer burials had scarabs and stone vessels, especially kohl jars; a few had cosmetic implements, possibly a mirror, larger stone vessels, metal vessels, possibly a headrest, and amphorae (see V 48). ${ }^{29}$ Possibly because of the termites, almost no funerary equipment other than coffins was found, only one shawabti, and no canopic chests. Some pots may have served as canopic jars, possibly as conceptual substitutes, and small plaster faces remained from some elaborate masks. Unlike richer cemeteries at Thebes, only one weapon, an ax, was found, and there were no musical instruments or furniture, apart from some headrests and box inlays. As is typical of Egyptian burials of all classes, however, there were no implements for ordinary work.
29. The burial is almost contemporary with the tomb of Kha; see table 4 above.

## CHAPTER 2

## POTTERY

## A. POTTERY IN NEW KINGDOM NUBIA

New Kingdom pottery in Nubia differs from the pottery of preceding periods in that it is almost identical to contemporary pottery in Egypt. ${ }^{1}$ Although some vessels and types of decoration that occur in Egypt have not been found in Nubia, the differences are no greater than that which is found in different regions in Egypt. Nubian pottery almost disappeared; only one vessel of C-Group tradition was found in a New Kingdom context at Qustul and Adindan. ${ }^{2}$

Because Egyptian pottery-making installations have been found outside Egypt in Sinai (see Oren 1987: 69-119) and the oases (see Ballet and Picon 1990, Posener-Kriéger 1986), it is reasonable to believe that the pottery found in Nubia was also made by

1. Chapters 2 and 3 deal with materials that are well known from corpora that represent unified classifications of material found at different sites in Egypt. In order to limit some of the bibliographical confusion that might result from citing the author's name and year when comparing pottery herein with pottery from these other Egyptian sites, the following abbreviations have been adopted:

| Abbreviation | Original Publication | Republication (Pottery) |
| :--- | :--- | :--- |
| Amarna | Peet and Woolley 1923 <br> Frankfort and Pendlebury 1933 | Kelley 1976, pl. 67.1-17 <br> Kelley 1976, pl. 67.18-24 |
| Qau | Brunton 1930 | Kelley 1976, pl. 47 (Pottery) |
|  |  | Kelley 1976, pl. 79 (New Kingdom) |
| Gurob | Brunton and Engelbach 1927 | Kelley 1976, pl. 68 (Pottery) |
| Riqqeh | Engelbach 1915 | Kelley 1976, pl. 70 (Pottery) |
| Harageh | Engelbach 1923 | Kelley 1976, pl. 57 (Pottery) |

The types are cited according to the earlier reports rather than recent excavations because they present a wider range of vessels than is yet available from the new excavations. However the reports generally reconcile the types (see Rose 1986 and 1987).
2. Other vessels were found at Serra East associated with Pan Grave type burials that belong to a later period. See Williams 1990a: 37-38. Much Nubian pottery assigned to the period in fortresses and burials actually belongs to earlier phases (found in mixed groups or strata) or the Napatan period (see Heidom 1988 and Williams 1990b generally).

Egyptian potters. ${ }^{3}$ The methods and materials, the same as those later used to make most wheel-made pottery in Nubia, produced four major kinds of pottery that are designated form-groups:

> I. Ordinary pottery
> II. Hard pink pottery
> III. Grey pottery
> IV. Grey-white pottery

Form-groups III and IV contain both grey to greenish grey pottery generally that was used for amphorae but was sometimes used for smaller vessels with the same shapes as form-group I pottery. Form-groups III and IV include a number of variations and subdivisions, and the relationship between them is uncertain. ${ }^{4}$ Since they are not common in the burial groups of Qustul, Adindan, and Serra thus far classified, their consideration will be deferred.

## B. MANUFACTURE OF NEW KINGDOM POTTERY

## 1. CLAY

With the exception of pigmented clays or clay-like substances used for pigments, ${ }^{5}$ clays were known to have come from three kinds of sources in ancient Egypt and Nubia: (1) deposits of Nile alluvium, (2) clays interbedded in the sandstone and limestone formations that flank the valley, and (3) alluvial deposits derived from these formations found in wadis that open into the valley. These sources yielded four or five different kinds of clay. ${ }^{6}$ The Nile alluvium is ferruginous and contains a variety of materials, including silt and rock particles derived from the cataracts. ${ }^{7}$ Clays from the Nubian sandstone vary in appearance, white at Meroc (Robertson 1975), grey-white at Aswan (Little and Attia 1943: 38-40 and 46-47; Passarge 1955, fig. 7), or bluish (Firth 1912: 51), and grey-white (Williams 1990b,
3. Fragments of unfired pottery and wasters from New Kingdom Serra include a tall stand (unfired sherd) and a fine red-burnished carinated bowl (waster). The industry was an expansion of an activity that had begun in the Middle Kingdom fortresses; for a discussion of Middle Kingdom kilns and wasters, see Williams 1987: 59-60.
4. For discussions of the problem, see Arnold 1981: 167-91; Bourriau 1981: 14-15 (called marl); Butzer 1974; Nicholson and Rose 1985 (expanding and correcting Hope 1977: 66-69); and French 1986: 15255. For other analyses of early New Kingdom pottery, see Hope, Blauer, and Riederer 1981.
5. For a summary of available clays, see Williams 1990b, chap. 2, and Nordström 1985. For classifications of fabrics, see Nordström 1972: 40-51, Nicholson and Rose 1985 (expanding and correcting Hope 1977: 66-69), and French 1986: 152-55. See also Hope, Blauer, and Riederer 1981: 139-66.
6. If the rock clay of Egypt is limy, then it is definitely distinguishable from the rock-clay of Nubia. Otherwise only the situation of the deposit would be different and there would be four rather than five kinds.
7. The alluvial deposits vary from a sandy, silty mud to a well sorted, fine grey brown clay. Large sealings from jars and locally made pottery vessels were made of the muddy clay, while the small sealings were made of the fine material.
chap. 3) or bluish somewhere near Qustul. ${ }^{8}$ Wadi clays from Nubia have not been described in detail, but they are probably more mixed. Either the geological clay of Nubia or a wadi clay or both can be described as slightly ferruginous and some contain high proportions (about half) of kaolin. The rock-clays of the Upper Egyptian limestone also have not been described in detail, but they have been characterized as marl, indicating that they are limy (Nicholson and Patterson 1985: 224-25). The wadi clays of Egypt are also usually described as marls. ${ }^{9}$ No reliable way of distinguishing pottery made from the rock sources from the corresponding wadi deposits has been devised, but it is clear that the rock sources were used in Nubia as early as A-Group. ${ }^{10}$

## 2. TREATMENT

Although Egyptian representations of industrial activities do not show all of the processes used to produce pottery, the preparation of clay is depicted. Impurities were removed by levigating the clay in a pool and the clay was then mixed by stamping or kneading with the feet (Holthoer 1977: 28, figs. 14, 15, and 41; Arnold 1976: 1-34). The addition of temper, which must have occurred before mixing, was not depicted. New Kingdom pottery is so consistent that it probably was virtually always treated this way.

## 3. TEMPER

Ordinary pottery (I) made with alluvial clay was tempered either with straw, fine sand, or a mixture of the two. Limy particles also appear in it, and they occasionally appear on the surface. Smaller vessels were generally tempered with sand or fine gritty material and larger ones with sand and chaff, but impressions of chaff also appear in smaller vessels. Hard pink pottery (II) was tempered with limestone or fine sandy material. ${ }^{11}$ Large vessels, including amphorae (III-IV), contained limestone or sand. Form-group IV pottery contained sand and/or limy particles that left numerous voids when they decomposed during firing. ${ }^{12}$
8. Nubian rock clays thus vary from soft crumbly material with rounded or subrounded rock particles to shaley and laminated brown to consolidated grey-white rock. Some thinly laminated shaley clays can be brown.
9. They do not indicate whether the Upper Egyptian rock clay is calcareous (see also fn. 8 above). For the resulting pottery types, see Nicholson and Rose 1985, French 1986, and Arnold 1981.
10. Williams, Williams, and McMillan (1985) point out the availability of the rock-clays, and an analysis of a fragment of an A-Group incense burner made of this clay is also given. For wadi clays, see also Butzer 1974 and Nordström 1985. Distinguishing them in pottery, from each other, and from mixtures with alluvium, is more problematical. See works cited above in note 5 .
11. The extensive reworking of the surface often gives the impression that there was no temper, but breaks or deteriorated surfaces show sand particles. The texture of the surface after reworking was so different from the rest of the vessel that this surface often flakes off, leaving the core visible, and the surface has been taken for a slip.
12. Nordström (1977: 66-67) stresses the fineness of the fabric, but larger greenish-grey vessels in the present collection tend to be coarser and more porous than indicated by Nordström; see also Nordström 1972: 55-57.

## 4. SHAPING

New Kingdom pottery was shaped, apparently from egg-shaped lumps of clay (Arnold 1976, fig. 11; Holthoer 1977, fig. 15, left), on a simple fast wheel, a wheel-head with attached shaft turned by hand in a socket, probably filled with wet clay for lubrication. ${ }^{13}$

Simple vessels were shaped by pressing down into the lump and drawing out the shape. A string (or wire?) was used to sever it from the lump of clay on the wheel (Arnold 1976, fig. 10; Holthoer 1977, fig. 15, right). Some vessels, such as large jars, were made by joining two pieces made separately on the wheel (Holthoer 1977: 42-43), or, in earlier times, by adding a hand-fabricated lower body to a wheel-made upper part (Holthoer 1977: 43; Williams 1983: 36). Although certain vessels were completed with only the simplest shaping, most were made with smoothed profiles. The wheel-throwing was sufficient to bring finer clay particles to the surface and to press the coarser particles into the clay giving the surface a smooth appearance. ${ }^{14}$

Most vessels were not completely shaped by throwing on the wheel. The only vessels regularly finished at that stage in the present material were the unfinished angular bowl, some simple bowls, and the simplest jar. Other vessels were allowed to harden and the lower bodies were reshaped by scraping. In some cases, ring bases were made, either as a part of the scraping process or by adding clay (Arnold 1976: 31, fig. 18; Holthoer 1977: 43).

Ordinary pottery (form-group I) was used for many more shapes than the other kinds. It includes miniatures as well as storage jars and even several kinds of luxury vessels. New Kingdom hard pink pottery (form-group II) includes only shapes for luxury uses and special storage, closed shapes, often found stoppered and sometimes with decoration on the stopper that emphasizes their special value. The greyish pottery (form-groups III and IV), closely related to the fine pottery, was used for larger storage jars.

## 5. DRYING

Although no direct evidence is preserved, at least some of the vessels were dried in sheds to keep them from cracking in the sun (Nicholson and Patterson 1985: 224-30, fig. 4). Larger vessels, especially compound jars, were bound with cords to hold their shape. ${ }^{15}$

## 6. SURFACE TREATMENTS AND DECORATION

New Kingdom potters used a number of techniques to enhance the appearance of pottery, including coating, burnishing, and decoration by incision, modeling, or painting. When the two techniques were combined, Egyptian vessels were painted after burnishing.

[^4]
## CoAting

Three kinds of coating are known to have been used on the simple pottery: red, pink or pale red, and white. It is possible that the pink coating was merely a diluted form of the red coat, and the two colors sometimes occur on the same types of vessel. Although red coats have been reported on hard pink(?) vessels and storage jars (Nordström 1977: 66, W 3.13; Holthoer, Type Group IIIR), only one juglet from Qustul and Adindan has a red coat, and no red coating occurs on the hard pink (form-group II) or grey-white (form-group IV) pottery. Red coats appear primarily on ordinary pottery, and these vessels were most often at least partly burnished. Some larger jars in the collection were coated (red or white) but not burnished.

INCISION
Incised decoration was less common and elaborate than that found at Qau in the Second Intermediate Period (Brunton 1930, pls. XII-XIII, for example). It consisted mostly of a spiral or a few parallel lines around the neck or body of a jar or stand; these sometimes had impressed grooves or even simple ribs. Only the rare "goddess" or feminiform jars still combined the applied and incised decoration characteristic earlier and these disappeared in the mid-Eighteenth Dynasty (Bourriau 1981, cats. 52, 53, 55, and 56, for example). A sherd has an incised potmark (pl. 29c); its provenience is unknown.

## BURNISHING

Although appearance was a major reason for burnishing pottery in Egypt and Nubia, ${ }^{16}$ small, red-coated bowls may have been burnished to make them easier to use as drinking vessels. The descriptive term burnish is probably more appropriate than "surface compaction." ${ }^{17}$

In the New Kingdom, burnishing commonly preceded decoration, ${ }^{18}$ but in ordinary pottery, only vessels that had been coated were frequently burnished. The combination occurs on certain bowls, carinated jars with straight necks, ovoid jars with tall narrow necks, and some stands. The most common bowls of this group were burnished on the inside and the upper part of the exterior, rarely the entire exterior.

Most New Kingdom hard pink containers were burnished over the entire exterior, but they are not lustrous. Amphorae and other storage vessels in the present material were not normally burnished. Grey-white (form-group IV) pottery, whose high firing would destroy any luster, was not burnished.
16. Williams (1983: 37-38) deals with examples in C-Group. The burnished exterior of jars and stands here would serve no practical purpose.
17. For broad, shallow bowls used as drinking cups, see Davies 1943, pls. XLIV-XLV, some with feet; also Davies and Davies 1933, pl. XXVII, register 3, left.
18. Although some vessels may have been burnished before decoration in Nubia, the technique succeeded the incised decoration of C-Group bowls and the painting of A-Group vessels.

## Painting

Although a few vessels were elaborately decorated in the First and Second Intermediate Periods and simple elements of decoration, such as rim bands, appeared at various times between the end of the Naqada period and the New Kingdom, Egyptian pottery was not often painted (Arnold 1972, color plate and figure 1). The painted decoration, which appeared in the Eighteenth Dynasty, was originally based on CyproLevantine styles that occurred in the late Middle and early Late Bronze Age. After a brief period in which imported designs were imitated fairly closely, ${ }^{19}$ the painting was regularized and simplified into linear patterns. Representations are exceptional (for example, see Bourriau 1981, cats. 137, 139, 140, and 141). The designs were mostly monochrome, but bichrome red and black painting appeared and decoration in various colors later became a regular feature of decoration on New Kingdom pottery. ${ }^{20}$

The earliest painting in these groups appeared on ordinary pottery. On counterparts of the biconical jar with vertical neck painting appeared as simple horizontal groups of lines on the neck and body, ${ }^{21}$ and on larger jars as horizontal groups of black lines, imitating incised lines. ${ }^{22}$

## 7. FIRING

According to refiring experiments reported by Nordström, most pottery of the New Kingdom was fired at one of two temperature-zones used to produce Egyptian pottery. ${ }^{23}$ Most ordinary and hard pink vessels were fired at just over $800^{\circ} \mathrm{C}$. Almost all of the vessels in this collection are quite hard, indicating that they were fired for an extended period. Their light-colored surfaces also indicate that the atmosphere was oxidizing, at least near
19. Egyptian pottery may have continued to absorb decorative elements in Late Bronze IIA. Compare, for example, solid triangles in Amiran 1970: 148, no. 9, and Bourriau 1981, cat. 145 (petals?).
20. See note 17 and Bourriau 1981, cats. 150 (red and blue), 151 (blue floral), and 152 (same). The floral decoration of cat. 147 is darker. See Holthoer 1977, pls. 62: 1 and 65: 3.
21. In Egyptian groups, early forms of the decoration include vertical and crossed lines (Qau 138-41).
22. Because only a small part of the elaborate and varied New Kingdom decorated pottery appears in Nubia, a general discussion of the development is not appropriate in the present work. It can be noted that painted decoration on larger jars was made to imitate tapes and garlands or even elaborately decorated sealing-covers (see Schiaparelli 1927, fig. 124; Davies and Davies 1923, pl. XXI, above center). These tapes, garlands, and sealing-covers became more elaborate, as did the painted decoration, and the composition came to include fairly elaborate representations. Blue floral decoration appeared in the tomb of Kha and petal garlands continued as a motif into the later New Kingdom (Bell 1985, pl. III and p. 63). Petal decoration was often used on ordinary pottery, put on either without a slip or other treatment or with a pale or white wash. The blue-floral decoration even appeared with a redcoated background in the embalmer's cache of Tutankhamun (Winlock 1941, pl. 5, above center). It occurs rarely in Nubia and not at all in this collection.
23. Nordström 1972: 43-44. A third, lower temperature, $650-700^{\circ} \mathrm{C}$, occurred in pit firing used to produce C-Group, Pan Grave, and Kerma pottery. It was used only rarely in New Kingdom Nubia.
the end of the firing. ${ }^{24}$ Representations show vessels being unloaded from tall cylindrical kilns which, in the New Kingdom, were large enough to require a flight of steps to reach the top to charge them. ${ }^{25}$ The kilns appear to have had a separate firing chamber joined to the main chamber from below. During the firing, a tender sat before the door of the chamber, sometimes holding reeds to keep the fire burning at the right intensity. Black vessels baked in a smothered kiln are rare but include both ordinary and "hard pink" vessels. ${ }^{26}$

Grey-white (form-group IV) pottery was fired at a much higher temperature of over $1000^{\circ} \mathrm{C}$, which accounts for their sometimes greenish-grey color. Since shapes were shared with ordinary vessels, it was not necessarily made by wholly different techniques from wholly different materials. ${ }^{27}$ The most important technical difference was in the firing which must have been done in a kiln capable of generating quite intense heat, such as the unusual type depicted in the tomb of Djehutyhetep at Bersha. ${ }^{28}$

## 8. POST-FIRING TREATMENTS

Egyptian pottery was not necessarily completed with the firing process. The complete packaging associated with storage jars, amphorae, and even smaller handled jars was often elaborate, but, except for lids and an occasional mud sealing, post-firing techniques are not found in the present material. ${ }^{29}$

## C. CLASSIFICATION AND NEW KINGDOM POTTERY

The large amount of material recovered from New Kingdom tombs of Qustul and Adindan requires an orderly corpus for purposes of comparison and an abbreviated code to avoid illustrating large numbers of identical vessels. The corpus remains incomplete, however, because the vessels in this collection are concentrated in three phases, with the times between them poorly represented.

Two prior corpora exist that offer valuable guides to classifying New Kingdom pottery from the varied deposits found in Nubia. The earlier corpus established by the British
24. Pace Nordström 1977: 61-62. New Kingdom ordinary pottery does not often have black breaks. In fact the cores of the walls vary from black to red and they are sometimes a brighter red than the surface.
25. See Holthoer 1977, fig. 24. Kilns were also found in the Middle Kingdom fortress at Serra East, and wasters show that they were used for pottery. See Williams 1987: 59-60.
26. A group established by Nordström (1977: 64, W2) includes smother-kiln (black) vessels derived from both the ordinary and hard pink groups.
27. High firing changes the mineralogical composition of the clay by calcining the limestone. The structure of the clay minerals is altered completely. See the compositions as given in Williams, Williams, and McMillan 1985, table.
28. Holthoer 1977, figs. 17, and 50: 2. The technology of draft control was present in Nubia as indicated by smelters at Kerma (C. Bonnet 1982: 34-39) and possibly Buhen (Emery 1963: 116-20).
29. Schiaparelli 1927, fig. 124. These procedures included sealing, decoration on the sealing or a cover for it, covering the sealing or the entire jar or both with a white coating, and sometimes painting the sealing or a linen cover for the sealing in bright patterns.

School of Archaeology in Egypt was based on pottery dated to the New Kingdom found in excavations in northern Middle Egypt and it was classified numerically according to shape. ${ }^{30}$ Although easy to use, it could not readily accommodate new shapes, and some drawings lacked sufficient detail to make reliable comparisons. Since shape was the only basis for classifying the Egyptian pottery, vessels made in very different ways could be grouped in a single class or series of classes. ${ }^{31}$

The second major classification was constructed for New Kingdom pottery in Nubia by two authors in separate stages. The first stage used the materials and processes of manufacture to construct a hierarchical complex of classes called "wares" based upon fabric (ingredients, techniques of working, and firing), surface coating, texture, and color. ${ }^{32}$ The second step used aspects of the "wares," and inferred instrumental category to construct "type-groups," and abstracted shape-templates to create types. Because the designations are not numerically sequential, each class is independent and the classification can readily accommodate new shapes. ${ }^{33}$ However, the abstracted shape templates ignore intended groupings. ${ }^{34}$ They separate objects that were intended by their makers to belong together, ${ }^{35}$ associate objects that were intended to be separate, ${ }^{36}$ and they group dissimilar objects separated by centuries. ${ }^{37}$ Although painstaking and elaborate, the classification has actually introduced contradictions into, and suppressed distinctions within, the material.

To minimize the garbling effect of cross-cultural categorization, the present series presents pottery and objects in classes based on recognizing and identifying intended differences or associations. It uses actual skills and habits (tradition), specific intentions
30. See Riqqeh, Harageh, and Gurob (abbreviations listed above). Like other corpora generated by the British School, the shapes were arranged from open to closed, followed by special shapes and imports. Although the corpus was used at other sites, these three volumes contain the essential vessels. The corpus was not used at Qau.
31. See Harageh series $91-99$, which includes several kinds of imports and Egyptian specialty pottery.
32. Nordström 1972: 33-67; idem 1977: 60-67; and idem 1985.
33. Holthoer 1977: 68-177. For an alternative method of classifying the same pottery with a comparable level of elaboration, see Traunecker 1981.
34. This occurs despite the elaboration. See Holthoer 1977: 43-54, pls. 5-12.
35. Holthoer 1977, pls. 30-32 (CS, CV, and CW), 20-21 (JU), and 23 (AH), all of which include related kinds of vessels but with different treatments of handles and necks. See also pl. 32: CV $2 \mathrm{VP} / 0 / \mathrm{e}-\mathrm{f}$; pl. 33: VP/0/d-e, and pl. $39: \mathrm{VP} / 0 / \mathrm{c}-\mathrm{d}$, all of which are distinct shapes, but which are related far more to each other than the adjacent vessels in the same classifications; they actually date to the Middle Kingdom.
36. See also Holthoer 1977, pl. 35: GJ/1, VP/0/d-e, var. A; VP/0/f-g, with the rest of GJ 1; most high-level classes, for example, contain different intentional groupings. Also, historical periods are mixed. Some Middle Kingdom vessels have already been cited, but there are some later Napatan types also; see pl. 26: GO 1 IR/0/e.
37. Holthoer 1977, pl. 26: GO 1, pl. 32: CV2, also contains both Middle Kingdom and New Kingdom vessels.
(formal categories), and intended use as the major basis of class identification. ${ }^{38}$ The classification is not intended to form the basis for reclassifying all of the pottery in Egypt and Nubia since it is not complete. For ease of reference, it is presented in outline form with a hierarchical arrangement of categorical groupings.

In previous volumes of this series, classes were established in a descending order of size, tradition, form-group, instrumental category, and decoration. However, definite differences in the roles played by such aspects as shape and decoration between the various periods have required that different aspects of the pottery be stressed in the register listings. For example, in the A-Group, most exterior-painted vessels belonged to only two shapes, but there were 177 decorative patterns which formed the basis of the register. Undecorated vessels of both A-Group and Egyptian origin, on the other hand, were listed according to shape. In earlier and later phases, vessels from more than one tradition were important in the pottery complex, and these had to be considered as separate classifications.

Classifying New Kingdom pottery is much less complex than classifying pottery from earlier phases because almost all vessels were made by techniques derived from the Egyptian tradition and the role of decoration corresponded closely to that of shape and materials. ${ }^{39}$ However, different materials were sometimes used to make the same shapes, sometimes even with the same decoration, so it was appropriate to organize the material into a single shape-corpus (see the category of special purpose vessels [SP] below). The other levels of categorization are also included as part of the description. Decoration is not formally classified because the decorated vessels in Nubia do not approach those of Egypt in number and variety.

## 1. FORM-GROUPS IN NEW KINGDOM POTTERY

Apart from a single black-topped bowl of C-Group type and very few Cypriot and SyroPalestinian imports, the New Kingdom pottery could be assigned to four major groups ${ }^{40}$ comparable to groups found in Egypt. The largest group (form-group I), ordinary Egyptian

[^5]pottery, was made of grey-brown alluvial clay. Shapes consisted mostly of the simple bowls, jars, and stands that make up the traditional Egyptian repertoire, but the group gradually incorporated some shapes found in the hard pink and amphorae groups. Most vessels were simply smoothed. Sometimes, a white or red coat was applied to all or part of the surface. In most cases red-coated vessels were also burnished. In a few cases, vessels were more carefully smoothed with a soft substance. Firing was rather low, but some vessels were fired hard orange through the break.

A second group, Egyptian hard pink pottery (form-group II) was made with wadi marls or one of the rock clays of Upper Egypt and Nubia. However, vessels sometimes have small fragments of mica in them that indicate the material also contained some alluvium. Shapes include carinated and handled jars, jugs, and juglets-all definitely or probably imitations of Aegean and Levantine vessels. ${ }^{41}$ The surfaces were carefully smoothed and sometimes burnished. The vessels were often painted in a Cypro-Levantine linear decoration and they were normally fired to a very light pink or greyish-white color, although some are slightly greenish.

The same clays, possibly also in mixtures with alluvium, were used to make large storage jars, here called Egyptian grey pottery (form-group III). The small number of vessels in the present groups and the known diversity of handled storage jars elsewhere make this difficult to isolate as a single category. In addition to the more obviously mixed clays, the vessels have much coarser temper than the small hard pink vessels. The known shapes are also Cypro-Levantine, consisting of ovoid or piriform amphorae (one amphora was Egyptian ordinary). These were thrown very much like Egyptian ordinary vessels, with no attempt to obtain a fine surface. With its mineral temper and grey surfaces, it resembles form-group IV pottery, but its substantially lower porosity, paralleling the hard pink vessels, made it suitable for long-term storage of liquids and its strength made possible relatively thin walls which would minimize weight. ${ }^{42}$

A fourth group, Egyptian grey-white pottery (form-group IV), is uncommon in New Kingdom tomb groups at Qustul and Adindan, although it occurs in occupation debris at Serra East to the south. Despite the greenish-white color often found on the vessels, it is not certain which clay or clay mixture was used. Shapes in this group include jars also found in Egyptian ordinary pottery. ${ }^{43}$ Bowls in this pottery group were also found at Serra East.

In addition to the four major groups of Egyptian pottery and a single black-topped vessel, imports from Cyprus and Syria-Palestine were present. A few of the imported
41. The necked jar may have been Egyptian, but this is difficult to verify. Shapes not found in this pottery include simple bowls, crude jars, and common ordinary convex-based jars.
42. As little as 6 mm , compared to about 1 cm for brown vessels of much smaller size.
43. There has been a tendency to combine all light-colored vessels in Egypt into a single "Qena," "Ballas," or "Gulleh" category. Ancient groupings were clearly different, apart from the differences in materials. See Nordström 1972: 54-57 and idem 1977: 65-67 (Ware-Groups W3 [hard pink], W4 [hard greybrown], and W5 [hard grey of Qena type]). For late Eighteenth Dynasty pottery, see Nicholson and Rose 1985: 144-47; for Third Intermediate Period or later pottery, see French 1986: 154-55.
vessels could be assigned to three major groups: black burnished juglets, spindle bottles, and Base-Ring I juglets-all well-known Late Bronze Age imports.

## 2. SPECIAL GROUPS IN EGYPTIAN ORDINARY POTTERY

Within the brown, or ordinary, pottery several different products are separated from the mass by special features. For example, the simplest bowls in the early tombs were smoothed inside and out, but the base was sometimes hardly reshaped or recut to regularize the profile. However, some bowls had the base reshaped to a low ring; the inside, and often the outside, were coated with red and the vessel was burnished inside and sometimes outside. At the same time, certain necked jars and tall stands were also red burnished, making a small group of such vessels. Drop-shaped jars were also sometimes red-coated, but never burnished. In the present work these features are recorded as descriptive details, but they do not play a role in the classification.

As noted above, black pottery fired in a smothered kiln has been assigned to both ordinary (I) and hard pink (II) form-groups, but only one example of black pottery occurred in the pottery, the hard pink group, published herein.

The colors according to the Munsell soil color chart are presented for typical vessels in the discussion of pottery shapes (below, pp. 34ff.) and in the Register of Finds.

## 3. CLASSIFICATION OF THE CORPUS

The classification of the corpus, as it is given here, is intended to represent only the Oriental Institute Nubian Expedition materials dated to the time of the New Kingdom. ${ }^{44}$ The pottery is classified by type, form-group, and shape as follows. First, the type of the object is identified, e.g., bowl, jar, lid, etc. Second, the form-group is indicated by an upper case Roman numeral (I, II, III, IV); however, since the majority of objects belong to formgroup I (ordinary pottery), only form-groups II, III, and IV are indicated-otherwise, formgroup I is assumed. Third, the shape of the object is indicated by a mnemonic biliteral code assigned to the categories given in the next section (e.g., $\mathrm{UJ}=$ unfinished jar, $\mathrm{LI}=$ lid, etc.). Fourth, if there are subcategories within the classification of shape, these subcategories are identified numerically and are listed after the biliteral code. Finally, further lower case letters, roman numerals, etc. refer the reader to table 6 (pp. 48ff.), where objects sharing like characteristics are grouped together to form subcategories. For example,

Bowl CB-1 indicates that the type of the object is a "bowl," the object belongs to "form-group I" (lack of I = ordinary pottery), its shape is classified as a "common bowl" (-CB), which is subcategorized as an "angular bowl" (-1);

Jar IV-CJ—5avi indicates that the type of the object is a "jar," the object belongs to "form-group IV" (IV = grey-white pottery), its
44. Holthoer (1977: 68-177) similarly classifies New Kingdom pottery recovered by the Scandinavian Joint Expedition to Sudanese Nubia; Holthoer's classification of pottery is referred to extensively below.
shape is classified as a "common jar" (-CJ), which is subcategorized as a "jar with modeled or bent rim" (-5), and the designation "avi" further subcategorizes the object in table 6.

The few objects of other traditions (C-Group, Cypriot, Syro-Palestinian) are not distinguished by form-group numbers.

## D. THE NEW KINGDOM POTTERY SHAPES

The New Kingdom pottery is grouped in the following broad phenomenological categories: unfinished angular bowl (UA), common bowl (CB), cup (CU), unfinished jar (UJ), common jar (CJ), pseudo-import jar (PJ), import (IM), amphora (AM), miniature amphora (MA), special purpose vessel (SP), lid (LI), stand (ST), coarse platter (CP), platter stand and burner (PS), miniature votive vessel (MI), and several categories found at Serra East but not present at Qustul and Adindan-hob (HO), crucible (CR), baking or roasting tube ( BC ), and dokas ( DO ). Other baked clay objects, most of them Middle Kingdom in date, are not classified as pottery, including libation tables and a wheel-like object.

## 1. BOWL

UNFINISHED ANGULAR BOWL (UA) (see fig. la-d, p. 79)
This group of vessels includes heavy-walled unfinished bowls of New Kingdom ordinary pottery. They have flat bases, often with a hole in the bottom and flared sides, and most have beveled rims; a few early examples have no special rim treatment. The sides vary from simply angular to slightly concave to very concave. No single explanation of its purpose has proved satisfactory (Holthoer 1977: 83-84). The vessel is common in New Kingdom Nubia (Reisner 1910, fig. 314; Steindorff 1937, pls. 77: 25 and 88: b 4; RandallMacIver and Woolley 1911, pl. 47: SXXX; Holthoer 1977, pl. 18: FP) and Egypt (Harageh, Gurob series 13; Qau 16-17), and it may have some chronological significance. The earliest shape is angular; it occurs in the tomb of Meritamun (Winlock 1932: 30) and the later eastern chamber of Neferkhawet's tomb, but not with the main burials (Hayes 1935, fig. I; see fig. 3, Boki). Unfinished angular bowls from Asasif Tomb 37 have slightly concave sides (Carnarvon and Carter 1912, pl. LXXIV) as do some from the eastern cemetery at Deir el-Medina (Bruyère 1937, fig. 48: 14; fig. 49: third row center, second row left and right; fig. 81, below, fig. 83, on coffin). The coarse angular bowl did not occur in the tomb of Kha or at el-Amarna, although it occurs occasionally in late contexts elsewhere. ${ }^{45}$

The unfinished angular bowl was not found in Second Intermediate Period grave groups or those from the earliest part of the Eighteenth Dynasty, but by the time of Hatshepsut it
45. See Nagel 1938, fig. 56: 9, Deir el-Medina 1164, largely late, but such a large group that it could be mixed; for such mixture, see 1165, figs. 60-67; Emery and Kirwan 1935: 339-40, figs. 335-36.
was in common use. By the time of Amenhotep III, it was no longer common. The type therefore dates largely to the fifteenth century; while the concave examples are probably later, information is not entirely clear after the end of the eastern cemetery at Deir elMedina early in the reign of Thutmose III.

For colors of UA bowls, see VF 60-12 (very high firing).
Common Bowl (CB) (see figs. le-2h, pp. 79-80)
The large body of open serving vessels has not generally been given the same detailed treatment accorded to jars in the corpora. For colors of CB bowls, see R 40-54, R 79-3, R 84-13 (wh. band inside rim), R 94—17 (red rim band).
$C B-1$. Angular Bowl. In the earlier New Kingdom, angular bowls are the most common serving vessels. They vary considerably in size and depth, but all have simple angular sides. Normally, the rim was given no special treatment, but the interior was smoothed and the base was reshaped, tapering the lower side, although it was sometimes left unworked. In most cases, the base is flat, but it was sometimes a low ring.

In the late Second Intermediate Period, the angular bowl was the most typical open vessel (Petrie 1906, pl. X: 1-17). The shapes became more varied in the earlier New Kingdom, by which time the ring bases appeared (Winlock 1932, fig. 16; Carnarvon and Carter 1912, pl. LXXIV, below L; Daressy 1902, pl. V: 24032, 24031). They also occur frequently in Nubia (Randall-MacIver and Woolley 1911, pl. 47: SXXIX; Steindorff 1937, pls. 70: 8a and b [various] and 8 b 1; Reisner 1910, fig. 326: 6-11; Holthoer 1977, pl. 27, much of PL 3). Except for a few small vessels, they do not occur at Amarna, and none were found in the tomb of Kha.

CB-2. Bowl with Out-Turned Rim. Open bowls with out-turned rims resemble the angular bowls closely enough that they are not recognized separately in the Aniba or Scandinavian corpora (Holthoer 1977, pl. 28: PL 4, IR/0/d-e), although they are distinguished at Buhen (Reisner 1910, fig. 326: 9-11). Vessels of this type also appear in Egypt (Gurob series 5t, $\mathrm{v}[?]$ ), though they are not common, and perhaps at Amarna (Amarna series VII/1003 [Kelley 1976, pl. 67.4]).

CB-3. Bowl with Angled to Convex Sides and Inverted Rim. Among the most common vessels in New Kingdom Nubia are bowls with angled, often slightly convex sides and inverted rims. Although a few of these bowls have flat bases (CB-3a), most are ringbased (CB-3b), and these small to medium-sized bowls have red coats and burnished interiors.

A few rough or incompletely finished vessels that would be assigned to this group occur in the tomb of Kha (Schiaparelli 1927, fig. 121 center, second from above), and at Amarna
(Amarna IV/1008, 1002A; IX/170 [Kelley 1976, pls. 67.2, 4]), but they do not have the red coat and interior burnish typical of bowls early in the dynasty. ${ }^{46}$

CB-4. Convex Bowl with a Flat or Ring Base. A number of bowls with heavy, convex sides have bases that were either left unfinished, or reworked to a flat or low stump base (CB$4 a$ ). Ring bases are uncommon (CB-4b). Most of the vessels, especially 4aiii, have smoothed interiors and a red or pink rim band, often made by dipping. ${ }^{47}$ In some cases, the band is not present, and the coat, also made by dipping the vessel, is occasionally more extensive. A small group of ring-based bowls (CB-4b), is related to the CB-3a group by having an interior-burnished red coat as well as the ring base. Otherwise, in most cases, the clay was not coarse, but the surface is abrasive to the touch.

The simple form, CB-4a, occurs in tombs where CB-3, especially CB-3bi, does not, and it appears that plain convex bowls replaced the finer tapered vessels. In Egypt, they appear not to occur in earlier groups, but they are rather common in the Amarna period. ${ }^{48}$
CB-5. Convex Bowl with Rounded or Pointed Bottom. Broad convex bowls with rounded or pointed bottoms resemble $C B-4 a$ vessels in both appearance and technique of manufacture. The walls are relatively heavy and the clay also feels abrasive to the touch. Like CB-4a bowls, the interiors are smoothed, the rim sometimes beveled, and the base is reworked to the convex shape. The red or pink rim band is often present. Some vessels have rope marks, and one has an everted rim.

Round-bottomed convex bowls seem to parallel CB-4 vessels in date. In Egypt, they were not found in the early groups, but they are fairly common at Amarna ${ }^{49}$ and in the tomb of Kha. ${ }^{50}$ This vessel also occurs elsewhere in Nubia. ${ }^{51}$ In the present groups, they occur mostly in V 46 and R 35 in the Ramesside levels.

CB-6. Bowl with Sinuous Side. This category is not recognized in Holthoer 1977; one example was found in R 29.
46. Winlock 1932, fig. 16j (shape only); Carnarvon and Carter 1912, pl. LXXIV; Bruyère 1937: 99, fig. 50, two top rows and lower left. Generally in Egypt, Gurob 9b (3bi-ii); Riqqeh 9d (same); Harageh 9b, d, e (same); Qau 38: Holthoer 1977, pls. 25-26: CU 3, most of group; Reisner 1910, fig. 326: 1-4.
47. This group, especially CB-4aiii, does not occur in Meritamun or Tomb 37. CB-4aiii also is not illustrated among the vessels in Bruyère 1937, fig. 50.
48. Amarna VI/224 (Kelley 1976, pl. 67.3); Schiaparelli 1927, fig. 122, lower left, fig. 144: 1, possibly CB-4aiii. See Riqqeh, Harageh, Gurob series 5. Reisner 1910, fig. 327: 2, is probably not CB-4a and this vessel is probably not present in the material at all. The vessel is not noted at Buhen. The common form CB-4aiii is found in tombs V 48 and V 60, dated to Amenhotep III and Amenhotep III-Amarna, respectively.
49. Amarna IV/186, 20 1, for example (Gurob 2, not a precise parallel, as are Riqqeh 2, Harageh 2, and Qau 56).
50. Schiaparelli 1927, fig. 122, below right, also with rim band (CB-5b); for $\mathrm{CB}-5 \mathrm{c}$, see fig. 144 R , also fig. 136.
51. Reisner 1910, fig. 326, 13-15; Randall-Maciver and Woolley 1911, pl. 47: SXXIII (also pl. 38); Holthoer 1977, pl. 25: CU 1, without precise equivalent (CB--5d); Steindorff 1937, pl. 70: 8 b (third from left); Holthoer 1977, pl. 27: PL 1.
$C B-7$. Carinated Bowls. Carinated bowls have a single kink, vertical upper side, and a simple or grooved rim. In most cases, the base is worked to a low ring.

In the earlier Eighteenth Dynasty, well-made carinated bowls were generally red coated and burnished inside and above the carination outside (Carnarvon and Carter 1912, pl. LXXIV, below; Bruyère 1937: 99, fig. 50, third row right, for example). Carinated bowls also occur at Amarna, though with a slightly bent upper side (Amarna XI [Kelley 1976, pl. 67.5]). The chronological significance of the vessel is uncertain. ${ }^{52}$
$C B-8$. Bowl. ${ }^{53}$ The shape of a bowl with a short neck, bulged body, roll rim, and ring base approximates the CJ-4 necked jar. It is classified as a bowl because of its width. Vessels with this shape did not occur at Qustul and Adindan.

## CUP (CU)

Small, deep vessels intended for the direct consumption of liquids were common in the Middle Kingdom and Second Intermediate Period groups, but not in the New Kingdom Nubian materials excavated by the Oriental Institute Nubian Expedition. Only two examples are recorded in the Register of Finds, R 20-13 (table 20) and VG 97-2 (table 21 ). Cups are classed with convex bowls in the Scandinavian corpus. ${ }^{54}$

## MINIATURE VOTIVE VESSEL (MI)

This category of vessel is not further classified since only a few examples were found at Qustul and Adindan.

## 2. JAR

Most of the pottery vessels from the tombs of Qustul and Adindan are jars. Because of their variety, considerable attention has been given them in various corpora, and parallels for individual vessels are often exact.

UNFINISHED JAR (UJ) (see figs. $2 \mathrm{i}-3 \mathrm{a}, \mathrm{pp} .80-81$ )
The simplest New Kingdom jar is an unfinished flat-based convex or tapered vessel, generally with a low neck. All of the vessels in this group were simply potted. The surfaces were smoothed only slightly if at all, the profiles were not regularized, and the bottoms were not reworked. Finger indentations remain near the flat base. The simplicity of the vessel and the haste with which it was made resemble the unfinished angular bowl.

[^6]This jar occurs widely in Nubia (Reisner 1910, fig. 313; Randall-Maclver and Woolley 1911, pl. 38: SXXI, pl. 47: SXX; Holthoer 1977, pl. 18: BB; Steindorff 1937, pl. 72: 11 b) and Egypt (see Gurob 67 series) in New Kingdom contexts. None were reported from the tomb of Meritamun, the early burials of Neferkhawet, or T 37, and the simple jars of this kind from the eastern cemetery at Deir el-Medina and the tomb of Maherpri have wide mouths and no necks (Daressy 1902, pl. V: 24029 [Maherpri]; Bruyère 1937, fig. 47, third row, left 2 and right 1). The typical necked jar (UJ-1b) did not occur in these earlier groups. Vessels of this type do not occur at Amarna, or in the tomb of Kha. Because of this distribution, most, especially the typical necked jar (UJ-lb), are assigned to the period between the reigns of Thutmose III and Amenhotep III. Certain Ramesside or later contexts contained jars with low or very low necks, wide mouths, and high shoulders. Often the side is practically ribbed (UJ-lci beta-ii). This form may have been a canopic jar, although no remains of viscera were found (Emery and Kirwan 1935, figs. 334, 335, especially fig. 327; Nagel 1938, T. 359-19, fig. Il, fig. 51-5 [T. 1159A], fig. 82-13 [T. 11724], village cellar, fig. 110: 38, 42, 44 [Horemheb]).

COMMON JAR (CJ) (see figs. 3b-7f, pp. 81-85)
For colors of CJ jars, see R 45-15 (red ct.), R 35-37, R 83-1 (red ct., vert. bur.), VC 46-16 (same), VD 56-2, K 50-12.

CJ-1-2, 5-6. Narrow Tapered Jar with Round or Pointed Base. Narrow, taperedcylindrical jars with convex bottoms are very common in New Kingdom contexts. The simplest is a straight-sided vessel, narrow near the top, somewhat broader near the base ( $\mathrm{CJ}-1$ ). The second jar has a slightly sinuous side and it is almost as wide near the rim as it is near the base ( $\mathrm{CJ}-2$ ). In the third group ( $\mathrm{CJ}-5-6$ ), the mouth is much narrower than the widest part of the vessel. The rim is turned outward, and normally thickened or rolled. The neck varies from very short to long and concave. Jars designated CJ-1 are mostly small cups or medium-size jars, while those called CJ-2 and CJ-5-6 range from medium to very large capacity, some suitable for storage. With a few exceptional jars made in the grey-white (form-group IV) pottery, CJ-2 and CJ-5-6 jars were made of New Kingdom ordinary pottery.

The simplest jars appeared in the Second Intermediate Period (Reisner 1923 IV-V, p. 419, fig. 299) and through the reign of Thutmose III (Winlock 1932, fig. 17f-g, Carnarvon and Carter 1912, pl. LXXIV; Bruyère 1937: 93, fig. 47, below right upper row, right). The vessel did not occur in the tomb of Kha, or at Amarna, but the more open concave-sided vessel (CJ—2a) was found there (Amarna XXV/132, 1013 [Kelley 1976, pl. 67.9], see Steindorff 1937, pl. 72: 11 a; Gurob, Riqqeh, Harageh series 20; Qau [also series 20 from earlier publications] 60-62).

CJ-3. Small Globular/Ovoid Jar. This class of jar does was not found at Qustul and Adindan.

CJ-4. Large Globular/Ovoid Jar. This class of jar does was not found at Qustul and Adindan.

CJ-5-6. Jars with Modeled or Bent Rim. Jars with modeled or bent rims appear from the Second Intermediate Period through the Empire. Some shapes and types of decoration have special chronological importance, although they were not especially useful for dating the groups from Qustul and Adindan.

Baggy New Kingdom jars were sometimes decorated, often with incised lines on the neck or painted lines or bands on the neck and body. They were often coated red, less often white, and a few were given more elaborate painted decoration. By the end of Amenhotep III's reign, the well-known blue-petal decoration began, but it was not common in Nubia.

CJ-7. Large Globular Jar. Globular jars occur at various times in Egyptian pottery, but vessels with short, rather straight necks, nearly biconical bodies and modeled rims are typical of the Eighteenth Dynasty. They were sometimes decorated with dark paint on a light background.

The CJ-7 globular jars appeared by the time of Thutmose III (Bruyère 1937: 93, fig. 47, below) and various forms continued to be made down to the Amarna period (Amarna XXI [Kelley 1976, pl. 67.7]; Schiaparelli 1927, fig. 121, lower center).

CJ—8. Ovoid Storage Jar with Neck. A series of ovoid storage jars culminates in the New Kingdom funnel-necked jar. Typically, an oval body is topped by a prominent wide neck that can be straight, concave, or bowed. The neck could be almost as large as the body of the vessel. The rim was not conspicuous, even when modeled. All of the vessels from Qustul and Adindan were made of ordinary pottery except CJ-8cii, which was of hard pink pottery (form-group II). The vessel was given a white coat and decoration in red and black.

CJ-8 jars were not found in the early groups ${ }^{55}$ and it is uncertain when the first examples appeared. The early shape with a conical neck also appeared at Amarna and continued to be made later. Perhaps the most interesting parallel is between CJ-11cii and a vessel from the tomb of Kha (Amarna XLIV [Kelley 1976, pl. 67.12]).

CJ-9. "Feminiform" Jar. Jars with elongated ovoid bodies, short, straight necks, and prominent modeled rims occurred frequently in later Second Intermediate Period contexts in Upper Egypt. Some of these were later decorated with clay knobs (Reisner 1923 IV-V, fig. 306: 29-30; Qau Second Intermediate Period 25-27; see Qau New Kingdom 100) and complexes of combed wavy lines. Although this elaborate complex of decoration declined rapidly in importance in the early New Kingdom, a number of vessels were decorated with

[^7]the incisions, combined with modeled clay breasts supported by spindly clay arms applied to the neck and shoulder of the vessel. The two vessels from R 29 (41 and 46 [pl. 25]) belong to the grey-white (form-group IV) group of pottery.

Although no vessels of this type were found in the groups used as standards to establish chronology, the closest parallel, from Qau, belongs to the early New Kingdom, as does tomb R 29, which contained two examples.

CJ-10. Small Ovoid Jar with Flared Neck. Apart from bowls CB-3, jars PJ-2, and some tall stands, the only vessels frequently burnished red were small ovoid jars with flared necks. Vessels CJ-10bii, 10biii, and 10c were red-slipped and closely burnished, both vertically and horizontally. Two others, CJ-10biv alpha and beta, were hard ordinary pottery; the latter, of Ramesside date, has considerable chaff and an exterior red coat.

The red-burnished jars of this group are typical of New Kingdom contexts (see Register of Finds). Although it is difficult to determine their method of manufacture, antecedents with short necks were found at Kerma (Reisner 1923 IV-V, fig. 272, 60-63). Vessels of this kind do not occur in the New Kingdom, but the smaller earlier group (see for example, Neferkhawet [Hayes 1935]) in T37 contained one with a large body, a short neck, and a ridged rim. ${ }^{56}$ The eastern cemetery at Deir el-Medina yielded several exact parallels to vessels from Qustul and Adindan (Bruyère 1937: 93, fig. 47, top row, left 6). None were found in the tomb of Kha or at Amarna, or even in the tombs of Maherpri or Maket.

CJ-11. Simple Ovoid Jar. Simple ovoid jars of ordinary pottery were not numerous enough in the Qustul and Adindan cemeteries or comparable groups to indicate any relationships apart from their difference from other vessels (Riqqeh, Harageh, Gurob, 64 series [G; parallel not precise]; Holthoer 1977, no precise parallels). Two-handled vessels that resemble shape CJ-11b were found in the tomb of Kha (Schiaparelli 1927, fig. 121, upper left) and at Amarna (Amarna LXXII/164 [Kelley 1976, pl. 67.16]), but not in early groups.

CJ-12-14. Vessels with shapes CJ-12 through 14, which include the tapered jar and bulged neck jar, were found at Serra East.

PSEUDO-IMPORT JAR (PJ) (see figs. 7g-9d, pp. 85-87)
As noted, hard pink pottery comprised mostly jars for oils, fats, or scents intended to be kept for long periods. The most prominent vessels made in this way were adaptations of Aegean and Levantine vessels, sometimes with decoration adapted from the same source. Some of the PJ- 2 jars, were also made of ordinary pottery.

For colors of PJ jars, see R 40-62 (red ct.), R 43-6 (N.K. hard pink), R 45-11 (red ct.), R 45-16 (red ct.), R 58-7 (hard pink), R 84-1, VC 46-53 (red bur.), VC 46-55 (red bur.), VF 60-22 (lt. surface, red pt.), VF 72B-34 (handmade), and VB 71-3.
56. Carnarvon and Carter 1912, pl. LXXIV: I; Bruyère 1937: 93, fig. 47, top row, second through sixth from left.

PJ-1. Broad-based Cosmetic Jar. A number of small cosmetic jars are broad near the bottom and taper inward toward a constriction that makes a definite shoulder, with a short neck and sharply flared rim.

The distinctive shoulder shape is characteristic but rather uncommon in New Kingdom contexts. Vessels with this profile do not occur in the Second Intermediate Period, or, on the other hand, in contexts that date late in the Dynasty. Within the first half of the Eighteenth Dynasty, they occur in the eastern cemetery at Deir el-Medina (Bruyère 1937: 93, fig. 47, third row, fifth from the left, also possibly fourth row, second from the right) possibly in the tomb of Neferkhawet (Hayes 1935, fig. 5) and in the tomb of Maket (Petrie 1891, pl. XXVII: 33).

PJ-2, 3, and 4. Necked Jar with Biconical or Convex Body and Ring Base. There are three related shapes of necked jars with biconical or convex bodies. The simplest jar ( $\mathrm{PJ}-2$ ) is handleless, with a neck of varying length, a convex or biconical and a flat or ring base. More complex are jars ( $\mathrm{PJ}-3$ ) with a single vertical handle (in this material) and ring base and an amphora-jar ( $\mathrm{PJ}-4$ ) with transverse handles. Both handled jars generally have relatively taller necks and more rounded bodies than the handleless jar. Vessels of all three types are generally painted, the latter two almost always in the mid-Eighteenth Dynasty. This decoration will not be discussed except to note that the decoration was originally derived from Aegean or Cypro-Levantine sources and only a few examples of this earlier decoration were present. ${ }^{57}$

The development of necked jars in the Eighteenth Dynasty is one of the most interesting sequences of change in New Kingdom ceramics. Simple necked jars appear in the Second Intermediate Period. Some of these were already red polished ordinary pottery (Reisner 1923 IV-V, fig. 271, no. 46).

Necked jars with flat or ring bases (PJ-2ci-d) appeared by the time of Neferkhawet; his tomb already contained the companion handled form (PJ-3) (Hayes 1935, fig. 1). Flat or ring-based necked jars also appeared in Tomb 37 (Carnarvon and Carter 1912, pls. LXVIII: 37/59 and LXX: 37/73), in the eastern cemetery at Deir el-Medina (Bruyère 1937: 93, fig. 47, row 2 [most vessels]; p. 91, fig. 47: 1-3), and the tomb of Maket (Petrie 1891, pl. XXVII: 27, 28, 33).

A necked jar with a vertical handle (PJ-3) was found with the burial of Neferkhawet. However, no jars of this kind were reported from Tomb 37 or the eastern cemetery at Deir el-Medina.

Necked jars with two transverse handles first appeared in the eastern cemetery at Deir el-Medina (Bruyère 1937: 91, fig. 46: 14, 15), but they were not reported from the burial of Neferkhawet or Tomb 37.

The tomb of Maherpri a generation later contained only handled jugs (PJ-3-4), but none of their handleless counterparts. Although a few handleless jars that have later-

[^8]appearing shapes or decoration ( $\mathrm{PJ}-2 \mathrm{cvii}$, 2diii) are probably later than Thutmose III, the handleless necked jar became rare and the most typical form (PJ-2ci-vi, 2dii) had probably disappeared by the end of the reign.

Kha's tomb contained no simple necked jars and none with a single handle, although large single-handled jugs with narrow necks have been found elsewhere. Two jars with transverse handles occurred, with very tall, almost exaggerated necks. ${ }^{58}$ This sequential development can be used to assign a date to various jars between Maherpri and Kha.

Table 5. Summary of Necked Jars in Dated Contexts

| Context | Jar PJ-2 | Jar PJ-3 | Jar PJ-4 |
| :---: | :---: | :---: | :---: |
| Kerma | Convex base, short curved neck | - | - |
| Meritamun | (Presumed flat base) | - | - |
| Tomb 37 | Flat base, straight neck | - | - |
| Neferkhawet | Presumably flat base, straight neck | Low neck, linear decoration? | - |
| Deir el-Medina Eastern Cemetery | Presumably ring base, few unusual shapes | Presumably present | Low neck, linear decoration |
| Kha | - | - | Very tall neck |
| Amarna | - | - | Very tall neck |

PJ-5. Globular to Biconical Jar with Narrow Neck. Narrow-necked handleless jars with rolled or otherwise modeled rims are closely related to the other necked jars in shape, decoration, material, and manufacture.

Although it occurs in both Nubia and Egypt, the narrow-necked jar is not common. The vessel was not illustrated from the eastern cemetery at Deir el-Medina, nor in any earlier published group. The earliest vessel that resembles it was found in the tomb of Maket (Petrie 1891, pl. XXVII: 28), but it has a much wider neck.

Narrow-necked jars of this type also do not occur in either the tomb of Kha or at Amarna. Although its relative rarity makes chronological conclusions difficult, the narrownecked jar is so closely related to the other necked jars, especially PJ-3 and 4, that it is very probably to be assigned the same dates, largely in the reigns of Amenhotep II and Thutmose IV. The narrow-necked jar was probably derived from Syrian handleless juglets or narrow-necked jars with shoulder handles.
58. Schiaparelli 1927, fig. 124, above. Amarna has some distinctive very broad-necked jugs probably derived from this group, XLII/1009a-b (Kelley 1976, pl. 67.11).

PJ-6. Double Vessel. Two double vessels (PJ-6) of hard pink pottery were found. One had simple linear painted decoration but was broken and only half was found; it was a broad, handleless, round-based piriform juglet. The second vessel combines a low piriform juglet with strap handle, broad rim with beveled edge and a one handled jug, with a very broad convex neck and similar rim. The two vessels are joined at the shoulders and connected by an arched strap that joins the rims.

PJ-7. Rhyton. The vessel was not found at Qustul and Adindan.
AMPHORA-OVOID OR TAPERED STORAGE AMPHORA (AM) (see fig. 9e-h, p. 87)
Although it appears in Second Intermediate Period delta sites, the ovoid storageamphora appears commonly in Egyptian groups only during the New Kingdom. Amphorae of this kind had a long and complex career in Egypt represented at Qustul and Ballana by four vessels of three types, an ovoid amphora with short neck (AM-1; the rim was broken and ground down), an ovoid amphora with carinated shoulder and flattened base (AM-2), and elongated tapered amphorae (AM-3), one shorter (AM-3a), one longer, with a slightly bowed neck (AM-3b).

The pottery used for the larger amphorae was made from clay either from the rock or wadi deposits. Inclusion particles could not be described with confidence beyond their resemblance to sandy material with some black and reddish (carnelian?) particles. V 4618 (AM-3a) was made of ordinary pottery with a brown surface, showed evidence of chaff, and possibly had ash inclusions and limy particles.

Ovoid amphorae appeared in early groups, including the tomb of Meritamun (Winlock 1932, fig 17e), Neferkhawet and Rennefer (Hayes 1935, fig. 1), and the Deir el-Medina necropolis (Bruyère 1937: 97, fig. 49, lower left and lower right). Shape AM-2 did not appear early and even the amphorae of Kha (Schiaparelli 1927, fig. 122, above; also Amarna XLIII [Kelley 1976, pl. 67.13]) with flattened bases continued to have rounded shoulders and necks rather taller than amphora AM-2. However, slightly later amphorae of Amenhotep III's jubilee from Malkata (Hope 1977: 65 b, c) have carinated shoulders and stump bases. Amphora AM-2 should therefore be assigned to the reign of Amenhotep III between these two groups.

No pointed-tapered AM-3 amphorae were found in the early groups. Certain elongated ovoid jars appeared at Qau (Qau 206) and "Thebes" (Kelley 1976, pl. 66.2: 3), the latter with the name of Amenhotep II. Because the AM-3 jar with pointed base no longer existed at Malkata (Hope 1977: 65, fig. 1a) and Amarna (Amarna XLIII [Kelley 1976, pl. 67.12]), both of these may date to the interval between the reigns of Amenhotep II, Thutmose IV, and early in the reign of Amenhotep III.

For colors of amphorae (AM), see VC 46-45 (3b).

Miniature Handled Storage Jar (MA) (see fig. 9i-k, p. 87)
The large storage-amphorae were imitated in smaller sizes by two, three, and four handled jars. The necks are relatively wider than found on the larger vessels and the rims are unmodeled. The jars were made of New Kingdom ordinary pottery. Jar MA-1 has a white coat and slight or moderate burnishing. For colors of MA-1, see R 35-1. In addition, MA-2a also has broad bands of red paint in a band of lattice decoration. The vessels were fired hard and the surface has a slightly pink-orange color.

Vessels of this kind did not occur in Eighteenth Dynasty groups; in the present material they appear to be late.

LID (LI) (see fig. 91-m, p. 87)
Lids from the New Kingdom groups are hollow concave cones or cones made of Egyptian ordinary pottery. The vessels were thrown from the open to the closed end; the open end was then refinished. Most were made with a sharply everted rim that was made to rest on the rim of a container. One example in hard pink pottery, LI- 3 from R 19, was carefully shaped, with a flaring rim and ring base; it was probably also a vessel. The lids were sometimes decorated, with horizontal bands in black, or sometimes black and red.

In the early groups, lids were concave cones, rather like LI-3, but somewhat narrower (Bruyère 1937: 93, fig. 47, fourth row, center right). In Maherpri's tomb, a somewhat wider vessel was sealed as a container (Daressy 1902, pl. V: 24204, 24205; Holthoer 1977, pl. 15: LL). Lids from Amarna have much the simple V-shape as LI-1, although most were concave (Amarna LII [Kelley 1976, pl. 67.14]; XXXIII [Kelley 1976, pl. 67.10]).

For colors of lids, see VC 48-68.
Special Purpose Vessel (SP) (see fig. 10a-d, p. 88)
A number of vessels that could not be assigned a place in the other major categories were not numerous or varied enough to be assigned to separate groups.

SP-l. Kohl Jar. One kohl jar was made of ordinary clay and lightly fired.
SP-2. Canopic Jar. The only finished canopic-type jar was found in V 60, and it was quite late. It is a rather rough vessel of ordinary clay.

SP-3. Spouted Jar. A narrow ovoid jar has a flat base, everted rim, and spout on the shoulder. It was made of ordinary clay and coated red, but not burnished.

SP-4. Hes-shaped Jar. No vessels of this shape were found at Qustul and Adindan.
$S P-5$. Suspension Jar. One jar with a flat rim has suspension holes.
IMPORTS AND IMITATIONS (IM) (see fig. 10e-l, p. 88)
Because imports were rare, the following remarks are based on the objects found at Qustul and Adindan and on the occurrence of similar vessels in groups of special
significance. For colors of IM-1, see R 40-28; for IM-5, see R 35-59 and VC 48-92; and for IM-7, see VC 48-79.

IM-I. Hard Pink Piriform Juglet. Piriform juglets with band handles were introduced to Egypt in the Second Intermediate Period as various forms of so-called Tell el-Yehudiyya juglets. Slight modifications of one of the later shapes were made in hard pink pottery with an ovoid or piriform body, button base, tall neck, and rolled rim. ${ }^{59}$ These imitations usually have the handle, although it can be omitted. They were sometimes decorated in black painted designs reminiscent of Levantine vessels.

IM-2. Yehudiyya Juglet. Yehudiyya juglets were not found at Qustul and Adindan, but sherds occurred at Serra East.

IM-3. Black Globular Juglet. Common in the early Late Bronze Age of Cyprus and the Levant, black globular juglets are also common in Egyptian early New Kingdom contexts and they occur in most cemeteries of the period. They were found in Asasif Tomb 37 (Carnarvon and Carter 1912, pl. LXVIII: 37/63) and the eastern cemetery at Deir elMedina (Bruyère 1937: 93, fig. 47, second row center right, probably also p. 91, fig. 46, no. 7), but not in earlier groups or in the very important later group of "Maket."

IM-4. Hard Pink Handled Juglet. Hard pink globular juglets, often with white coats and black painted decoration resemble black juglets in shape, but they are often larger. Most probably, they derived from Late Bronze Age jugs. Although less common than its black counterpart (Steindorff 1937, pl. 83: 40a [second-fourth vessels]; Reisner 1910, fig. 317: 7; Hayes 1935, basket, fig. 15), it does occur in dated groups, such as Neferkhawet's burial (Hayes 1935, fig. 15) and the eastern cemetery at Deir el-Medina (Bruyère 1937: 93, fig. 47 , third row, third and fourth from the left), but not later.

IM-5. Spindle Bottle. Because of their frequent occurrence in Levantine contexts, handmade spindle bottles are of special interest. None of these vessels appeared in the earlier standard groups. ${ }^{60}$ They appear in the eastern cemetery at Deir el-Medina and in the tomb of "Maket," but neither at Amarna nor in Kha's tomb. ${ }^{61}$ A date in the fifteenth
59. See Amarna XVIII/5 (Kelley 1976, pl. 67.23) for very late occurrence; however, R 40 is earlier.
60. For example, the late Second Intermediate Period groups at Qau and Kerma.
61. The middle groups, Tomb 37 (Carnarvon and Carter 1912, pl. LXVIII: 37/59 and 37/58) and Deir elMedina, with Base Ring I, present apparently contradictory evidence. Several Base Ring I vessels occur in T 37, found in coffins at various places and depths (see Carnarvon and Carter 1912: 70-88), but there are no spindle bottles. On the other hand, spindle bottles occur prominently in the Deir el-Medina cemetery (Bruyère 1937: 93, fig. 47, third row center), but only one possible Base Ring I vessel has been identified (see Bruyère 1937: 200, fig. 115, below, center, terminus post quem Thutmose III; the shaft was undisturbed). On the other hand, Base Ring I and spindle bottles both occur (mostly Base Ring I, 7 pieces; 75.1, 14-17 19-21; 16) in the tomb of Maket, terminus post quem Thutmose III (Petrie 1891, pl. XXVII: 14-21). The problem may be resolved by the nature of the occurrences. Base Ring I juglets came from coffins that had been displaced by work in the Hatshepsut causeway; the larger objects were left in the original locations (probably as in the Deir el-Medina necropolis; Bruyère 1937: 147-202,
century will accommodate the evidence from Tomb 37 and the Deir el-Medina necropolis as well as Maket.

IM-6. Base Ring I. One Base Ring I juglet was found; its date corresponds roughly with that of the spindle bottles.

IM-7. Pilgrim Bottle. The two-handled lentoid pilgrim bottle or zemzemiyya does not occur in any of the earlier standard reference groups: Meritamun, Neferkhawet, the eastern cemetery at Deir el-Medina, Tomb 37, or Maherpri. Its earliest definite appearance, in the Maket Group, dates to the reign of Thutmose III or later (Petrie 1891, pl. XXVII: 32 and 41 ). Of the two shapes found at Qustul and Adindan, IM-7b closely resembles an example from the tomb of Kha. ${ }^{62}$

IM-8. Elongated Ovoid Juglet (Askos). A long ovoid juglet belongs to a group of uncommon asymmetrical juglets (Holthoer 1977, pl. 41). Although a number of very approximate parallels might be cited, only one, from Deir el-Medina is of chronological value (Bruyère 1937: 93, fig. 47, fifth row center).

IM-9. Elongated Piriform Juglet. Wheel-made local(?) versions of the spindle bottle were made of hard pink pottery and one example was found in $S 8$. Since the handle and rim are missing, little can be determined about it except that it has a tapered-concave shaped ring base and probably a tall neck with a handle. Although standard groups do not indicate the date, the context may be Ramesside.

IM-10. Dipper Juglet. No vessels of this type were found at Qustul and Adindan.

$$
\text { 3. STAND (ST) (see fig. } 10 \mathrm{~m}-\mathrm{p}, \mathrm{p} .88 \text { ) }
$$

The three major types of ring stand are all typical of the early New Kingdom. Low stands (ST-1) are conical with a sharply flared base. Intermediate stands are very sharply incurved, with a rib at the waist. Tall stands are nearly as sharply incurved except ST-3a. One has three small ribs, or broad grooves. The stands are classified for the funerary deposits of Qustul, Adindan, and Serra East. The much wider variety of stands from the occupation debris at Serra could not be not included because the deposits were badly mixed and many stands there could not be distinguished on typological grounds alone.
various). At Qustul, wherever spindle bottles were deposited, they were found outside the coffins, as is the case at Deir el-Medina (Bruyère 1937: 198, figs. 113-14), whereas smaller objects and vessels were often left with the body in the coffin. All of these occurrences may be accounted for as follows: No Base Ring I vessels of common types were exported to Thebes (or probably anywhere in Egypt) before the eastern cemetery at Deir el-Medina ceased to be used. Despite the presence of "transitional" types, spindle bottles preceded Base Ring I because no Base Ring I juglets were found in the earlier groups used as chronological standards for this work. The first export of Base Ring I to Egypt is therefore to be dated to the reign of Thutmose III, just before the end of Hatshepsut's reign, just before the closing of Asasif T 37.
62. Schiaparelli 1927, fig. 121, lower left.

The stands were all made of Egyptian ordinary pottery. Smaller (ST-1) ones sometimes have white bands painted at the rim and base. The taller stands were all red coated and all but one were highly burnished. The exception, ST-2a, was carefully smoothed and decorated with three narrow black bands carefully painted at the waist.

Common in Nubia and Egypt (see table 6, ST-1 note, p. 76), the ST-1 stand possibly appears in the eastern cemetery at Deir el-Medina (Bruyère 1937: 93, fig. 47, fourth row left) but not in the later standard groups. The narrow-waisted red-polished stands ST-2 and 3b do not appear in the standard groups, though they certainly belong with the other polished red vessels (Qau 215). The eastern cemetery at Deir el-Medina did contain some red-polished bowls with very high pedestals that resemble the narrow-waisted profile of ST-2 (Bruyère 1937: 93, fig. 47, third row center right). The medium-waisted ST-3a, with its smooth matt red surface and precisely painted bands is so obviously a companion piece to jar PJ-2ciii kappa from the same tomb and they both resemble vessels shown on the walls of the temple of Hatshepsut so closely that they must be assigned to her reign. ${ }^{63}$

For colors of stands (ST), see VC 48-35.

## 4. COARSE PLATTER (CP) AND PLATTER STAND AND BURNER (PS)

Only a few large serving trays and stands were found in the tombs at Qustul and Adindan. They were not numerous or diverse enough to subdivide.

## 5. HOB ( HO )

Hobs were found in industrial refuse at Serra East, but not in groups at Qustul and Adindan.

## 6. CRUCIBLE (CR)

A few fragments of crucibles were found in industrial refuse at Serra East, but not in groups at Qustul and Adindan.

## 7. BAKING OR ROASTING TUBE (BC)

Baking or roasting tubes were found in industrial refuse at Serra East, but not in groups at Qustul and Adindan.

## 8. DOKA OR COARSE TRAY (DO)

Dokas or coarse trays were found in occupation or industrial debris, but not in groups at Qustul and Adindan.

[^9]Table 6. Corpus of Pottery Shapes

| Classification | Cemetery, Tomb and Object Number | Notes | Museum Registration Number | Figure/Plate |
| :---: | :---: | :---: | :---: | :---: |
| UNFINISHED ANGULAR BOWL (UA) ${ }^{64}$ |  |  |  |  |
| UA-1a | R 40-21 |  | OIM 21099 | figs. 1a, 52e |
|  | V 50-3 |  | OIM 21578 | fig. 117a |
| UA-1b | V 48-91 |  | OIM 21928 | - |
|  | V 93-12 |  | OIM 22275 | figs. 1b, 163a |
| UA-2 | V 46-57 |  | OIM 22280 | fig. 96b |
|  | V 47-5 | ( or UA-3) | OIM 22278 | fig. 102b |
|  | V 48-37 |  | OIM 21930 | - |
|  | V 48-41 |  | OIM 21678 | - |
|  | V 48-66 |  | OIM 21931 | - |
|  | V 48-67 |  | OIM 21932 | figs. lc, 109d |
|  | V 48-74 |  | OIM 21927 | - |
|  | V 48-89 |  | OIM 21723 | - |
|  | V 92-3 |  | OIM 22269 | fig. 160d |
|  | S 7-12 |  | OIM 22279 | - |
|  | S 7-17 |  | OIM 21347 | fig. 197h |
| UA-3 | R 33-9 |  | OIM 22277 | fig. 38a |
|  | R 35-24 |  | OIM 21119 | - |
|  | R 35-87 |  | OIM 21120 | figs. 1d, 43e |
|  | R 94-6 |  | OIM 23597 | - |
|  | R 94-7 |  | OIM 23598 | fig. 90 f |
|  | V 47-5 | ( or UA-2) | OIM 22278 | fig. 102b |
|  | V 48-47 |  | OIM 21923 | - |
|  | V 48-56 |  | OIM 21708 | fig. 109 h |
|  | V 48-57 |  | OIM 21709 | - |
|  | V 54-4 |  | OIM 22194 | fig. 118b |
|  | V 55-5 |  | OIM 22193 | fig. 120c |
|  | V 55-7 |  | OIM 22192 | - |
|  | V 55-8 |  | OIM 22195 | - |
|  | V 60-12 |  | OIM 21862 | fig. 126c, pl. 11b |
|  | V 76-32 |  | OIM 22274 | fig. 148c, pl. 11a |

64. See Gurob and Harageh 13, Qau 16-17. Four other bowls (R 35-92, R 84-5 [fig. 85i], V 48-55 [fig. 109f], and V 48-71) generally fit into this category but are not further classified.

Table 6. Corpus of Pottery Shapes (cont.)

| Classification | Cemetery, Tomb, and Object Number | Notes | Museum Registration Number | Figure/Plate |
| :---: | :---: | :---: | :---: | :---: |
| COMMON BOWL (CB) |  |  |  |  |
| CB- $1 \mathrm{a}^{65}$ | R 40-20 |  | OIM 21100 | fig. 51c |
|  | S 7-18 |  | OIM 21316 | fig. 197d |
|  | R 40-22 |  | OIM 22214 | figs. 1e, 51a |
|  | R 47-14 |  | OIM 22215 | fig. 64a |
|  | W 68-1 |  | OIM 23967 | - |
| $C B-1 b^{66}$ | R 20-28 |  | OIM 21016 | figs. 1f, 24f |
|  | R 20-29 |  | OIM 21017 | - |
|  | R 20-30 |  | OIM 21018 | - |
|  | R 20-31 |  | OIM 21019 | - |
|  | R 20-32 |  | OIM 21020 | - |
|  | R 20--33 |  | OIM 21021 | fig. 24d |
|  | R 35-56 |  | OIM 21135 | - |
|  | R 35-63 |  | OIM 21129 | - |
|  | R 35-70 |  | OIM 21138 | - |
|  | R 35-71 |  | OIM 21139 | - |
|  | R 35--76 |  | OIM 21136 | - |
|  | R 35-93 |  | OIM 21132 | - |
|  | R 35-94 |  | OIM 21133 | fig. 42a |
|  | R 40-16 |  | OIM 22179 | - |
|  | R 40-32 |  | OIM 22180 | - |
|  | R 40-37 |  | OIM 21098 | fig. 51e |
|  | R 40-51 | (or CB--2a) | OIM 22250 | - |
|  | R 40-53 |  | OIM 21095 | fig. 51d |
|  | R 40-54 |  | OIM 21092 | - |
|  | R 40-55 |  | OIM 21096 | - |
|  | R 40-70 |  | OIM 21093 | - |
|  | R 40-71 |  | OIM 21094 | fig. 51b |
|  | R 40-72 |  | OIM 21097 | - |
|  | R 44-3 |  | OIM 21172 | fig. 57 |
|  | R 45-26 |  | OIM 22242 | fig. 59a |
|  | R 79-6 |  | OIM 23552 | - |
|  | R 84-27 |  | OIM 23574 | fig. 85 a |
|  | R 84-17 |  | OIM 23575 | fig. 85 b |
|  | V 48-94 |  | OIM 21711 | fig. 108a |

65. Holthoer 1977 , pl. 19, MI 3. The examples here are slightly larger than those of Holthoer 1977, but they are smaller than the PL 3 series on pl. 27, which includes several different shapes and sizes-except PL 3 IR/0/c Qau 1 series, but smaller; Riqqeh, Harageh, and Gurob series 5 T and after, smaller vessels. Another bowl ( $\mathrm{R} 35-89$, fig. 42g) belongs to the CB-1 category but is not further classified.
66. Holthoer 1977, pl. 27: PL 3 series; Qau, small 2?; Gurob 5v, but larger bowls.

Table 6. Corpus of Pottery Shapes (cont.)

| Classification | Cemetery, Tomb, and Object Number | Notes | Museum <br> Registration Number | FigurelPlate |
| :---: | :---: | :---: | :---: | :---: |
| COMMON BOWL (CB) (cont.) |  |  |  |  |
| CB-1b (cont.) | V 76-6 |  | OIM 22185 | - |
|  | V 76-14 |  | OIM 22202 | - |
|  | V 76-34 |  | OIM 22261 | fig. 148a |
|  | V 113-44 |  | OIM 23819 | fig. 168a |
|  | S 7-10 |  | OIM 21396 | fig. 197c |
|  | S 7-13 |  | OIM 22276 | - |
| $\mathrm{CB}-1 \mathrm{c}^{67}$ | R 17-1 |  | OIM 20745 | fig. 21a |
|  | R 20-7 |  | OIM 20786 | fig. 24a |
|  | R 20-8 |  | OIM 20790 | - |
|  | R 29-32 |  | OIM 21041 | figs. $1 \mathrm{~g}, 30 \mathrm{~h}$ |
|  | R 43-4 |  | OIM 21059 | fig. 56c |
|  | R 40-33 |  | OIM 21102 | - |
|  | R 35-35 |  | OIM 21123 | fig. 42 d |
|  | R 35-62 |  | OIM 21122 | - |
|  | R 35-65 |  | OIM 21137 | - |
|  | R 40-30 | (or CB-3bii) | OIM 21101 | fig. 51i |
|  | R 40-76 |  | OIM 22189 | - |
|  | R 40-52 |  | OIM 22190 | - |
|  | R 40-77 |  | OIM 22188 | fig. 5If |
|  | R 46-2 |  | OIM 22183 | figs. $7 \mathrm{~m}, 62 \mathrm{a}$ |
|  | R 47-2 |  | OIM 22258 | fig. 64c |
|  | R 63-2 |  | OIM 22181 | fig. 74 |
|  | V 54-3 |  | OIM 22205 | fig. 118a |
|  | V 71-7 |  | OIM 22211 | fig. 133b |
|  | V 76-6 | (or CB-1b) | OIM 22185 | - |
|  | V 76-36 |  | OIM 22255 | - |
|  | V 76-39 |  | OIM 22052 | fig. 148e |
|  | V 93-2 |  | OIM 22127 | fig. 162c |
|  | V 113-18 |  | OIM 23810 | fig. 168 i |
|  | V 113-21 |  | OIM 23813 | fig. 168b |
| $\mathrm{CB}-1 \mathrm{~d}^{68}$ | R 20-34 |  | OIM 21010 | fig. 24c |
|  | R 20-35 |  | OIM 21009 | - |
|  | R 20-36 |  | OIM 21011 | - |

67. Holthoer 1977, pl. 27, PL 3 IR/0/f-g, IIR/0/f-g (small plates) Qau 2, but deeper at Qau. Holthoer 1977, Gurob and Riqqeh 3e (but deeper).
68. Holthoer 1977, pl. 27, PL 3 smaller here are I-IIR/0/f-g, larger are IIR/0/h-i. Qau 3; Gurob 3g; Schiaparelli 1927, fig. 147, left center.

Table 6. Corpus of Pottery Shapes (cont.)

| Classification | Cemetery, Tomb, and Object Number | Notes | Museum <br> Registration Number | Figure/Plate |
| :---: | :---: | :---: | :---: | :---: |
| COMMON BOWL (CB) (cont.) |  |  |  |  |
| CB-1d (cont.) | R 29-47 |  | OIM 22221 | figs. 1h, 30j |
|  | R 35-81 |  | OIM 21112 | fig. 42 f |
|  | R 35-82 |  | OIM 21113 | - |
|  | R 40-73 |  | OIM 22187 | fig. 52 d |
|  | R 40-75 |  | OIM 22223 | fig. 52c |
|  | R 45-1 |  | OIM 21182 | fig. 59 d |
|  | R 45-23 |  | OIM 21183 | fig. 59c |
|  | R 46-5 |  | OIM 21179 | fig. 62c |
|  | R 79-4 |  | OIM 23554 | fig. 81a |
|  | R 79-15 |  | OIM 23556 | fig. 81 b |
|  | R 79-16 |  | OIM 23555 | fig. 80 d |
|  | R 84-25 |  | OIM 23578 | - |
|  | R 84-26 |  | OIM 23576 | fig. 85 f |
|  | V 46-50 |  | OIM 21668 | fig. 96d |
|  | V 48-43 |  | OIM 21916 | fig. 108i |
|  | V 48-72 | (or CB-2b) | OIM 21712 | fig. 108g |
|  | V 66-6 |  | OIM 21845 | fig. 131a |
|  | V 72B-3 |  | OIM 21908 | - |
|  | V 72B-12 |  | OIM 21906 | fig. 136d |
|  | V 73-15 |  | OIM 22207 | fig. 139c |
|  | V73-16 |  | OIM 22210 | fig. 139b |
|  | V 76-33 |  | OIM 22270 | fig. 148j |
|  | V 76-15 |  | OIM 22216 | fig. 148 f |
|  | V 76-16 |  | OIM 22217 | fig. 148i |
|  | V 76-40 |  | OIM 22271 | fig. 148g |
|  | V 81-9 |  | OIM 22233 | fig. 151f, pl. 12b |
|  | V 83-4 |  | OIM 22273 | fig. 156e |
|  | V 93-19 |  | OIM 22083 | fig. 162 e |
|  | K 1-2 |  | OIM 22984 | fig. 174a |
|  | W 55-2 |  | OIM 23934 | fig. 203c |
| $C B-1 e^{69}$ | R 35-10 |  | OIM 21131 | - |
|  | R 35-51 |  | OIM 21114 | figs. 1i, 42j |
|  | R 40-15 |  | OIM 21090 | fig. 511 |
|  | R 40-35 |  | OIM 21089 | - |
|  | R 40-36 |  | OIM 22190 | fig. 51h |
|  | R 45-13 |  | OIM 21211 | fig. 59e |

69. Holthoer 1977, pl. 27, PL 3 IIR/0-/h-i (only the example with the ring base) ring base.

Table 6. Corpus of Pottery Shapes (cont.)

| Classification | Cemetery, Tomb, and Object Number | Notes | Museum <br> Registration Number | Figure/Plate |
| :---: | :---: | :---: | :---: | :---: |
| COMMON BOWL (CB) (cont.) |  |  |  |  |
| CB-le (cont.) | V 81-1 |  | OIM 22208 | fig. 151d |
|  | V 83-14 |  | OIM 22062 | fig. 156 f |
| $\mathrm{CB}-1 \mathrm{f}^{70}$ | V 72B-13 |  | OIM 22200 | figs. 1j, 136a |
| CB-19 ${ }^{71}$ | R 79-5 |  | OIM 23553 | figs. 1k, 80b |
| $\mathrm{CB}-1 \mathrm{~h}^{72}$ | R 35-55 |  | OIM 21130 | fig. 42 i |
|  | R 40-17 |  | OIM 22191 | fig. 52a |
|  | R 40-74 |  | OIM 22222 | fig. 51 j |
|  | V 45-1 |  | OIM 21582 | figs. 11, 92a |
|  | V 45-2 |  | OIM 21579 | fig. 92b |
|  | V 48-113 |  | OIM 21707 | fig. 108b |
|  | V 82-5 |  | OIM 22204 | fig. 153c |
|  | V 92-7 |  | OIM 22256 | fig. 160 f |
|  | V 113-27 |  | OIM 23818 | fig. 168 f |
| CB-2a | R 40-50 |  | OIM 22224 | fig. 51 n |
|  | R 40-51 | (or CB-1b) | OIM 22250 |  |
|  | R 84-13 |  | OIM 23583 | figs. $1 \mathrm{~m}, 85 \mathrm{c}$ |
|  | V 81-15 |  | OIM 22230 | fig. 151 b |
| $\mathrm{CB}-2 \mathrm{~b}^{73}$ | R 40-18 |  | OIM 21091 | figs. $1 \mathrm{n}, 51 \mathrm{~m}$ |
|  | V 48-72 | (or CB-ld) | OIM 21712 | fig. 108 g |
|  | V 55-4 |  | OIM 21685 | fig. 120b |
|  | V 72B-11 |  | OIM 22209 | fig. 136c, pl. 12c |
|  | V 93-18 |  | OIM 22272 | fig. 162 d |
|  | V 113-43 |  | OIM 23815 | fig. 168 g |
|  | V 113-28 |  | OIM 23817 | fig. 168 d |
|  | W 81-3 |  | OIM 23959 | fig. 206b |
| $\mathrm{CB}-2 \mathrm{c}^{74}$ | V 113-41 |  | OIM 23816 | figs. 10, 168j |

70. Holthoer 1977, pl. 28. These should fall under PL 7, with modeled rims, but none of this size were reported. See Qau 3 and Gurob 3g.
71. Holthoer 1977, pl. 28: PL 4. Some slightly shallower vessels are included here. See Gurob 3e. Qau parallels are not precise.
72. Holthoer 1977, pl. 28: PL 4 (IR/0/h-i, but size g), also pl. 26: CU 6 IR/0/h-i.
73. Riqqeh, Harageh, Gurob, series 3 e .
74. Riqqeh, Harageh, Gurob, series 3e; Holthoer 1977, pl. 27: PL 3, IR/0/f-g, IIR/0/f-g, actually on the boundary of $h$.

Table 6. Corpus of Pottery Shapes (cont.)

| Classification | Cemetery, Tomb. and Object Number | Notes | Museum <br> Registration Number | Figure/Plate |
| :---: | :---: | :---: | :---: | :---: |
| COMMON BOWL (CB) (cont.) |  |  |  |  |
| $\mathrm{CB}-2 \mathrm{~d}^{75}$ | R 35-14 |  | OIM 21128 | - |
| CB-3ai | R 76-12 |  | OIM 23495 | fig. 78 d |
|  | V 46-60 |  | OIM 22197 | figs. 1p, 96c |
|  | V 46-65 |  | OIM 21726 | fig. 96a |
|  | V 48-21 |  | OIM 21920 | fig. 108e |
|  | V 76-38 |  | OIM 22254 | fig. 148d |
|  | V 97-.9 |  | OIM 22122 | fig. 166d |
|  | V 113-23 |  | OIM 23814 | fig. 168h |
|  | V 120-4 |  | OIM 23960 | fig. 173a |
|  | W 68-2 |  | OIM 23961 | - |
| CB-3aii ${ }^{76}$ | V 72B-1 |  | OIM 21902 | fig. 135b |
|  | S 7-3 |  | OIM 21346 | - |
|  | S 7-6 |  | OIM 21397 | figs. 1q, 197g |
| CB-3aiii | R 43-1 |  | OIM 21058 | fig. 56d |
|  | V 93-17 |  | OIM 22085 | fig. 162f |
| CB-3bi ${ }^{77}$ | R 20-17 |  | OIM 20772 | - |
|  | R 20-24 |  | OIM 21012 | - |
|  | R 20-25 |  | OIM 21013 | - |
|  | R 20-26 |  | OIM 21014 | - |
|  | R 25-3 |  | OIM 22248 | figs. 1r, 28b |
|  | R 25-4 |  | OIM 22249 | fig. 28c |
|  | R 29-5 |  | OIM 22265 | - |
|  | R 29-16 |  | OIM 21034 | - |
|  | R 29-21 |  | OIM 21037 | - |
|  | R 29-22 |  | OIM 22247 | - |
|  | R 29-23 |  | OIM 21039 | fig. 30a |
|  | R 29-35 |  | OIM 21035 | fig. 30e |
|  | R 29-63 |  | OIM 21040 | - |
|  | R 35-74 |  | OIM 21127 | fig. 42c |
|  | R 35-91 |  | OIM 21125 | - |
|  | R 40-5 |  | OIM 22264 | fig. 51g, pl. 13b |

75. Holthoer 1977, pl. 27, PL 3 IR/0/d-e notes, 3 bowls and table.
76. Holthoer 1977, pl. 26, CU 4; parallels not exact.
77. Gurob 9b, Riqqeh 9d (?), Harageh 9b, d, e; Qau 38; Holthoer 1977, pl. 25-26: CU 3, IIR/0/c-e, and similar; for 3b generally, see Reisner 1910, fig. 326: 1-4.

Table 6. Corpus of Pottery Shapes (cont.)

| Classification | Cemetery, Tomb, and Object Number | Notes | Museum <br> Registration Number | FigurelPlate |
| :---: | :---: | :---: | :---: | :---: |
| COMMON BOWL (CB) (cont.) |  |  |  |  |
| CB-3bi (cont.) | R 43-3 |  | OIM 21060 | fig. 56b |
|  | R 45-27 |  | OIM 22267 | fig. 59b |
|  | R 47-3 |  | OIM 22245 | - |
|  | R 47-9 |  | OIM 22234 | fig. $64 b$ |
|  | R 47-15 |  | OIM 21165 | fig. 64 d |
|  | R 56-3 |  | OIM 22237 | fig. 68a |
|  | R 61-1 |  | OIM 22238 | fig. 72a |
|  | R 75-15 |  | OIM 23567 | fig. 76 a |
|  | R 79-3 |  | OIM 23551 | fig. 80c |
|  | R 76-4 |  | OIM 23498 | fig. 78 a |
|  | R 84-15 |  | OIM 23582 | fig. 85 d |
|  | R 84-21 |  | OIM 23581 | - |
|  | R 84-23 |  | OIM 23579 | - |
|  | R 84-24 |  | OIM 23580 | - |
|  | V72B-27 |  | OIM 22229 | fig. 135a |
|  | V 74-3 |  | OIM 21870 | fig. 142 |
|  | V 81-10 |  | OIM 22198 | - |
|  | V 81-18 |  | OIM 22203 | fig. 15ic, pl. 13a |
|  | V 92-4 |  | OIM 22095 | fig. 160 g |
|  | V 97-14 |  | OIM 22251 | fig. 166 a |
|  | V 113-17 |  | OIM 23821 | - |
|  | V 113-47 |  | OIM 23820 | - |
|  | V 113-54 |  | OIM 23811 | fig. 168c |
|  | K 2-3 |  | OIM 22987 | - |
|  | K 2-7 |  | OIM 22995 | fig. 176a |
|  | K 5-2 |  | OIM 23000 | fig. 177a |
|  | K 50-2 |  | OIM 23119 | fig. 186h |
|  | K 65-8 |  | OIM 23180 | fig. 189b |
|  | K 65-10 |  | OIM 23178 | fig. 189c |
|  | K 65-16 |  | OIM 23177 | fig. 189d |
|  | W 55-4 |  | OIM 23930 | fig. 203a |
|  | W 55-5 |  | OIM 23932 | fig. 203b |
|  | W 56-4 |  | OIM 23931 | fig. 204a |
| CB-3bii ${ }^{78}$ | R 29-6 |  | OIM 22268 | figs. 1s, 30 f |
|  | R 29-11 |  | OIM 22241 | - |
|  | R 29-26 |  | OIM 22236 | - |
|  | R 29-37 |  | OIM 21038 | - |

78. Holthoer 1977, pl. 26: CU 3, IIR/0/f-g; see also notes for CB-4 bowls.

Table 6. Corpus of Pottery Shapes (cont.)

| Classification | Cemetery, Tomb, and Object Number | Notes | Museum Registration Number | FiguretPlate |
| :---: | :---: | :---: | :---: | :---: |
| COMMON BOWL (CB) (cont.) |  |  |  |  |
| CB-3bii (cont.) | R 29-48 |  | OIM 22262 | figs. 1aa, 30g |
|  | R 35-64 |  | OIM 21126 | - |
|  | R 35-90 |  | OIM 21124 | fig. 42e |
|  | R 40-30 | ( or CB-lc) | OIM 21101 | fig. 51i |
|  | R 40-40 |  | OIM 22246 | - |
|  | R 41-2 |  | OIM 21073 | fig. 54a |
|  | R 79-13 |  | OIM 23494 | fig. 80a |
|  | V 97-4 |  | OIM 22252 | fig. 166 f |
|  | V 97-10 |  | OIM 22125 | fig. 166c |
|  | V 113-16 |  | OIM 23809 | fig. 168e |
|  | K 2-8 |  | OIM 22996 | fig. 176b |
| CB-3biii | R 40-60 |  | OIM 22186 | figs. 1t, 52b |
|  | R 76-3 |  | OIM 23499 | fig. 78 c |
|  | R 84-16 |  | OIM 23577 | fig. 85 g |
|  | R 84-7 |  | OIM 23972 | fig. 85 e |
|  | V 92-5 |  | OIM 22257 | fig. 160a |
| CB-4ai | Not at Qustul | r Adindan. |  |  |
| CB-4aii ${ }^{79}$ | R 76-5 |  | OIM 23497 | figs. 1u, 78 b |
|  | V 46-32 |  | OIM 21662 | - |
|  | V 76-22 |  | OIM 22259 | - |
|  | S 5-5 |  | OIM 21320 | fig. 192b |
|  | S 5-6 |  | OIM 21321 | fig. 192a |
|  | S 6-1 |  | OIM 21340 | - |
|  | S 6-2 |  | OIM 21341 | - |
|  | S 6-3 |  | OIM 21342 | fig. 194b |
|  | S 6-4 |  | OIM 22226 | fig. 194a |
|  | S 6-6 |  | OIM 22227 | - |
|  | S 6-7 |  | OIM 21343 | - |
|  | S 6-8 |  | OIM 22219 | fig. 194d |
|  | S 6-9 |  | OIM 21344 | fig. 194c |
|  | S 6-10 |  | OIM 22220 | - |
| CB-4aiii ${ }^{80}$ | R 4B-4 |  | OIM 20654 | figs. 1v, 18 c |
|  | R 4B-7 |  | OIM 20652 | fig. 18a |

79. Gurob 5m, Qau 4 5, Amarna VI/163, for example; see Holthoer 1977, pl. 26: CU 4 IR/0/d-e; possibly Schiaparelli 1927, fig. 144 L.
80. Holthoer 1977, pl. 26, CU 4 IR/0/d-f.

Table 6. Corpus of Pottery Shapes (cont.)

| Classification | Cemetery, Tomb, and Object Number | Notes | Museum <br> Registration Number | Figure/Plate |
| :---: | :---: | :---: | :---: | :---: |
| COMMON BOWL (CB) (cont.) |  |  |  |  |
| CB-4aiii (cont.) | R 4B-8 |  | OIM 20653 | fig. 18 d |
|  | R 76-9 |  | OIM 23496 | fig. 78e |
|  | R 94-17 |  | OIM 23566 | fig. 90e |
|  | V 47-7 |  | OIM 21640 | fig. 102a |
|  | V 48-10 |  | OIM 21919 | fig. 108f |
|  | V 48-11 |  | OIM 21912 | - |
|  | V 48-18 |  | OIM 21914 | fig. 108d |
|  | V 48-20 |  | OIM 21675 | - |
|  | V 48-46 |  | OIM 21918 | - |
|  | V 48-61 |  | OIM 21706 | - |
|  | V 53-1 |  | OIM 21642 | fig. 117c |
|  | V 55-6 |  | OIM 22206 | fig. 120a |
|  | V 60-2 |  | OIM 22199 | fig. 126d |
|  | V 60-5 |  | OIM 22201 | - |
|  | V 60-6 |  | OIM 21825 | fig. 126e |
|  | V 60-7 |  | OIM 22212 | pl. 12a |
|  | V 60-10 |  | OIM 22228 | - |
|  | V 60--13 |  | OIM 22232 | - |
|  | V 60-16 |  | OIM 21863 | fig. 126b |
|  | V 60-18 |  | OIM 22213 | - |
|  | V 60-24 |  | OIM 22231 | - |
|  | V 60-25 |  | OIM 21864 | - |
|  | V 76-37 |  | OIM 22260 | fig. 148b |
|  | V 82-7 |  | OIM 22196 | fig. 153b |
|  | V 94-3 |  | OIM 22253 | fig. 165a |
|  | S 8-4 |  | OIM 21394 | fig. 200a |
|  | S 8-5 |  | OIM 21395 | - |
| CB-4aiv ${ }^{81}$ | V 53-2 |  | OIM 21641 | figs. 1w, 117d |
| CB-4av | R 20-1 |  | OIM 20764 | figs. $1 \mathrm{x}, 24 \mathrm{e}$ |
|  | V73-9 |  | OIM 21869 | fig. 139d |
| CB-4avi ${ }^{82}$ | R 35-84 |  | OIM 21115 | figs. $1 \mathrm{y}, 42 \mathrm{~h}$ |

81. See CB-4aii.
82. As CB-4av, see Holthoer 1977, pl. 26: CU 7; there is no precise equivalent.

Table 6. Corpus of Pottery Shapes (cont.)

| Classification | Cemetery, Tomb, and Object Number | Notes | Museum Registration Number | Figure/Plate |
| :---: | :---: | :---: | :---: | :---: |
| COMMON BOWL (CB) (cont.) |  |  |  |  |
| CB-4bi ${ }^{83}$ | R 35-96 |  | OIM 21134 | figs. 1z, 42b |
| $\mathrm{CB}-4 \mathrm{bii}^{84}$ | R 20-27 |  | OIM 21015 | fig. 24b |
|  | R 29-60 |  | OIM 22263 | fig. 30i |
|  | R 40-31 |  | OIM 22225 | fig. 51 k |
|  | R 46-6 |  | OIM 22244 | fig. 62b |
|  | S 7-11 |  | OIM 20470 | fig. 197f |
|  | S 7-2 |  | OIM 21345 | fig. 197e |
| CB-4biii ${ }^{85}$ | R 58-1 |  | OIM 22266 | figs. 2a, 70a |
| CB-4biv ${ }^{86}$ | R 29-59 |  | OIM 22240 | figs. 2b, 30b |
| $C B-5 a^{87}$ | K 50-8 |  | OIM 23108 | figs. 2c, 186f |
|  | K 50-21 |  | OIM 23127 | fig. 186 g |
| $C B-5 b$ | R 35-7 |  | OIM 21118 | figs. 2d, 43a |
|  | R 35-85 |  | OIM 21116 | fig. 43b |
|  | R 84-8 |  | OIM 23568 | fig. 85 h |
|  | V 46-33 |  | OIM 21663 | fig. 97b |
|  | V 46-34 |  | OIM 21664 | fig. 97c |
|  | V 46-4 |  | OIM 21613 | - |
|  | V 46-5 |  | OIM 21614 | - |
|  | V 48-19 |  | OIM 21913 | fig. 108h |
|  | V 56-1 |  | OIM 21686 | fig. 122a, pl. 13d |
|  | S 8-1 |  | OIM 21391 | fig. 200b |
|  | S 8-30 |  | OIM 22184 | fig. 200d |
| CB-6 | R 29-62 |  | OIM 22239 | figs. 2e, 30d |
| $\mathrm{CB}-7 \mathrm{a}$ | R 4B-6 |  | OIM 20650 | fig. 18b |
|  | V 48-64 |  | OIM 21705 | - |

83. See Holthoer 1977, pl. 19: MI 3, but without a precise equivalent. Gurob 5 n, possibly series 9 ; Riqqeh, possibly series 9; Harageh same; Qau (possibly) 46; Holthoer 1977, pls. 25-26: CU 3 may contain a few vessels of the group.
84. Gurob 5n, possibly series 9; Riqqeh possibly series 9; Harageh same; Qau (possibly) 46; Holthoer 1977, pls. 25-26: CU 3.
85. See shape CB-4bii.
86. Holthoer 1977, either pl. 26: CU 3 or pl. 27: GO (no precise equivalent).
87. Another bowl ( $\mathrm{S} 8-16$, fig. 200e]) belongs to the $\mathrm{CB}-5$ category but is not further classified.

Table 6. Corpus of Pottery Shapes (cont.)

| Classification | Cemetery, Tomb, and Object Number | Notes Re | Museum <br> Registration Number | Figure/Plate |
| :---: | :---: | :---: | :---: | :---: |
| COMMON BOWL (CB) (cont.) |  |  |  |  |
| $\mathrm{CB}-7 \mathrm{a}$ (cont.) | V 48-70 |  | OIM 21710 | - |
|  | V 48-87 |  | OIM 21921 | figs. $2 \mathrm{f}, 108 \mathrm{c}$ |
|  | V 48-88 |  | OIM 21922 | - |
|  | V 92-6 |  | OIM 22096 | fig. 160h |
| CB-7b | R 25-2 |  | OIM 21068 | figs. $2 \mathrm{~g}, 28 \mathrm{~d}$ |
|  | V 81-6 |  | OIM 21960 | fig. 151e, pl. 13c |
|  | W 52-1 |  | OIM 23933 | fig. 202 |
| CB-7c | R 25-1 | (form-group IV) | ) OIM 21066 | figs. $2 \mathrm{~h}, 28 \mathrm{e}$ |
|  | R 32-6 |  | OIM 21064 | fig. 36c |
| CUP (CU) | See page 37 ab | bove. |  |  |
| UNFINISHED JAR (UJ) |  |  |  |  |
| UJ-1 ${ }^{88}$ | R 29-4 |  | OIM 21056 | figs. 2i, 33b |
|  | R 76-11 |  | OIM 23596 | fig. 78 f |
|  | K 65-11 |  | OIM 23181 | figs. 190i, 78f |
| UJ-2a ${ }^{89}$ | R 4B-9 |  | OIM 20649 | figs. $2 \mathrm{j}, 18 \mathrm{~g}$ |
|  | R 4B-10 |  | OIM 20651 | fig. 18 f |
|  | R 29-8 |  | OIM 22357 | fig. 33c |
|  | V 60-14 |  | OIM 22348 | - |
|  | V 60-15 |  | OIM 22350 | fig. 124b |
|  | V 60-9 |  | OIM 22354 | fig. 124a |
| UJ-2b | R 75-11 |  | OIM 23595 | - |
|  | R 75-4 |  | OIM 23561 | - |
|  | R 75-5 |  | OIM 23562 | figs. $2 \mathrm{k}, 76 \mathrm{~b}$ |
|  | R 88-1 |  | OIM 23592 | fig. 88a |
|  | R 94-10 |  | OIM 23593 | fig. 90b |
|  | V 50-2 |  | OIM 21602 | fig. 117b, pl. 14b |
|  | V 60-11 |  | OIM 22352 | pl. 14c |
|  | V 60-19 |  | OIM 22351 | fig. 124e |
|  | V 94-1 |  | OIM 22358 | fig. 165b |
|  | V 94-2 |  | OIM 22353 | fig. 165c |
|  | S 7-1 |  | OIM 22359 | fig. 197b |

88. Holthoer 1977, pl. 18: BB 1; Gurob 67 series; Reisner 1923 IV-V, p. 419, fig. 299: 70.
89. Gurob 67 series, Holthoer 1977, pl. 18: BB 2.

Table 6. Corpus of Pottery Shapes (cont.)

| Classification | Cemetery, Tomb, and Object Number $\quad$ Notes | Museum Registration Number | FigurelPlate |
| :---: | :---: | :---: | :---: |
| UNFINISHED JAR (UJ) (cont.) |  |  |  |
| $\mathrm{UJ}-2 \mathrm{c}^{90}$ | R 75-16 | OIM 23594 | - |
|  | R 76-10 | OIM 23591 | - |
|  | R 76-2 | OIM 23500 | figs. $21,78 \mathrm{~g}$ |
|  | V 47-8 | OIM 22349 | - |
|  | V 47-9 | OIM 22356 | fig. 102c |
|  | V 48-100 | OIM 21926 | fig. 113a |
|  | V 93-1 | OIM 22355 | fig. 163b |
|  | V 113-12 | OIM 23953 | fig. 170 d |
|  | V 113-13 | OIM 23955 | fig. 170e |
|  | V 120-5 | OIM 23954 | - |
|  | V 120-6 | OIM 23956 | fig. 173b |
|  | S 8-21 (or ?) | OIM 22365 | - |
| $\mathrm{UJ}-2 \mathrm{~d}^{91}$ | R 20-2 | OIM 20763 | figs. 2m, 25d |
|  | R 20-3 | OIM 20773 | fig. 25e |
|  | R 20-47 | OIM 20805 | - |
|  | R 20-48 | OIM 20806 | - |
|  | R 33-3 | OIM 21074 | fig. 38b |
|  | R 35-31 | OIM 21155 | fig. 44e |
| UJ-3a | R 29-1 | OIM 21055 | figs. 2n, 33d |
|  | R 35-8 | OIM 21146 | fig. 44d, pl. 14a |
|  | R 35-21 | OIM 21159 | fig. 44b |
|  | R 35-41 | OIM 21153 | fig. 44c |
|  | R 35-43 | OIM 21154 | - |
|  | R 35-103 | OIM 21144 | - |
|  | R 35-104 | OIM 21145 | fig. 44a |
|  | V 46-47 | OIM 22344 | fig. 98b |
| UJ-3ai ${ }^{92}$ | S 8-31 | OIM 22345 | figs. 20, 201c |
| UJ-3aii ${ }^{93}$ | S 8-22 | OIM 21349 | figs. $2 \mathrm{p}, 201 \mathrm{e}$ |
| UJ-3694 | V 46-14 | OIM 21639 | figs. 2q, 98d, pl. 14d |
|  | V 48-3 | OIM 21925 | fig. 113b |
| 90. Gurob 67, Holthoer 1977, pl. 18: BB 4. |  |  |  |
| 91. Gurob 53c, Riqqeh 52n, Harageh 52n (differing from Gurob 52n). |  |  |  |
| 92. Holthoer 1977, pl. 18: BB 3. |  |  |  |
| 93. Gurob 52 series, no exact parallel; Holthoer 1977, pl. 18: BB no equivalent. |  |  |  |
| 94. Gurob 52n, Riqqeh 53f, 52N, Qau 53f (Kelley 1976, pl. 79.9); Holthoer 1977, pl. 18: BB 4 var A closes |  |  |  |

Table 6. Corpus of Pottery Shapes (cont.)

| Classification | Cemetery, Tomb, and Object Number | Notes | Museum <br> Registration Number | Figure/Plate |
| :---: | :---: | :---: | :---: | :---: |
| UNFINISHED JAR (UJ) (cont.) |  |  |  |  |
| UJ-3c ${ }^{95}$ | V 46-51 |  | OIM 22360 | figs. 3a, 98c |
|  | K 5-1 |  | OIM 22999 | fig. 177b |
| COMMON JAR (CJ) |  |  |  |  |
| CJ— $1 \mathrm{a}^{96}$ | R 29-30 |  | OIM 21049 | figs. 3b, 31d |
|  | R 29-40 |  | OIM 21050 | fig. 31c |
|  | R 40-63 |  | OIM 21103 | fig. 53b |
|  | V 72B-7 |  | OIM 21907 | fig. 135e |
| $\mathrm{CJ}-1 \mathrm{~b}^{97}$ | R 20-5 |  | OIM 20778 | figs. 3c, 25a |
|  | R 20-6 |  | OIM 20779 | pl. 15 c |
|  | R 20-41 |  | OIM 21007 | fig. 26a |
|  | K 65-9 |  | OIM 23126 | fig. 190f |
| $\mathrm{CJ}-1 \mathrm{c}^{98}$ | R 47-13 |  | OIM 22347 | figs. 3d, 65b |
|  | R 47-8 |  | OIM 21161 | - |
|  | V 64-1 |  | OIM 21823 | fig. 129 |
|  | V 81-23 |  | OIM 22346 | fig. 152c |
|  | K 18-4 |  | OIM 23042 | fig. 181b |
|  | W 55-3 |  | OIM 23964 | fig. 203e |
| $\mathrm{CJ}-1 \mathrm{~d}^{99}$ | R 58-3 |  | OIM 21225 | figs. 3e, 70c |
| CJ-2a ${ }^{100}$ | R 35-75 |  | OIM 21151 | figs. 3f, 47a |
|  | R 94-18 |  | OIM 23585 | fig. 90 d |
|  | V 46-15 |  | OIM 21635 | fig. 98a |
| CJ-2b | K 65-4 |  | OIM 23122 | fig. 3g, 190g |
| $\mathrm{CJ}-3^{101}$ | Not at Qustul or | indan. |  |  |

95. Holthoer 1977, pl. 18: BB no equivalent.
96. Holthoer 1977, pl. 41: WD I IR/0/a-d; for CJ-la generally, see Reisner 1910, fig. 306; RandallMaclver and Woolley 1911, pl. 46: SXVI-SXVII; Reisner 1923 IV-V, p. 419, fig. 299; 66-68 generally.
97. Holthoer 1977, pl. 41: WD 1 IR/0/e-f.
98. Holthoer 1977, pl. 41 : WD 1 IR/0/g-h.
99. See Qau 79-80, 162-64.
100. For CJ-2 generally, see Reisner 1910, fig. 309; Holthoer 1977, pl. 38: JW 1 IR/0/e-h; Steindorff 1937, pl. 78: 27 (third from left); Gurob 22; Riqqeh 22.
101. Globular/ovoid small jars; see Serra and Kerma.

Table 6. Corpus of Pottery Shapes (cont.)

| Classification | Cemetery. Tomb, and Object Number $\quad$ Notes | Museum Registration Number | FigureiPlate |
| :---: | :---: | :---: | :---: |
| COMMON JAR (CJ) (cont.) |  |  |  |
| CJ- $4^{102}$ | Not at Qustul or Adindan. |  |  |
| CJ-5ai ${ }^{103}$ | R 58-9 | OIM 22320 | fig. 71b |
|  | V81-5 | OIM 22316 | figs. 3h, 152a |
|  | V 81-17 | OIM 22308 | -_ |
| CJ-5aii ${ }^{104}$ | R 58--8 | OIM 22324 | figs. 3i, 71c |
|  | V 81-24 | OIM 22300 | fig. 152b |
| CJ—5aiii ${ }^{105}$ | R 9-1 | OIM 20700 | fig. 19 |
|  | R 13-1 | OIM 20733 | fig. 20b |
|  | R 29-61 | OIM 21051 | figs. 3j, 32c |
|  | R 29-7 | OIM 22328 | fig. 32a |
|  | R 40-64 | OIM 21109 | fig. 53 h |
|  | R 41-1 | OIM 21171 | fig. 54b |
|  | R 43-2 | OIM 21062 | fig. 56f |
|  | R 45-15 | OIM 22306 | - |
|  | R 45-18 | OIM 21203 | fig. 60f, pl. 15a |
|  | R 45-29 | OIM 21185 | fig. 60 e |
|  | R 46-1 | OIM 22309 | fig. 62 g |
|  | R 46-9 | OIM 22314 | fig. 62 h |
|  | R 47-12 | OIM 21163 | fig. 65 a |
|  | R 52-1 | OIM 22313 | fig. 66 |
|  | R 56-1 | OIM 21177 | fig. 68c |
|  | R 56-2 | OIM 22326 | - |
|  | R 58-2 | OIM 21174 | fig. 71 d |
|  | R 58-4 | OIM 21175 | fig. 71 a |
|  | R 58-5 | OIM 21176 | fig. 71 e |
|  | R 58-6 | OIM 22325 | - |
|  | R 84-12 | OIM 23570 | - |

102. Globular/ovoid large jars; see Serra and Kerma.
103. For CJ-5ai-iii, see Steindorff 1937, pl. 76: 22 (all but center vessel); for CJ-5a generally, see Randall-MacIver and Woolley 1911, pl. 46: SVII, SXIX; pls. 38-39, SLXXIX; Gurob; Riqqeh; Harageh, series 23-26; Qau 87-89. For CJ-5a, see Holthoer 1977, pl. 36: JO 1 IR/1/e-h, but with no exact parallel. Four additional jars (R 32-9 [fig. 36b], R 88-4, V 72B-26 [fig. 137c], and W 68-A [fig. 205]) belong to the CJ-5 category but are not further classified.
104. Holthoer 1977, pl. 36: JO 1, IR/1/e-h; Qau 76.
105. Holthoer 1977, pl. 36: JO 1, IR/1/e-h, 185:90:2; 185:129:1; compare V 83-6 with Reisner 1923 IV-V, p. 438, fig. 319-22 (wider and of form-group IV pottery); compare V 72B-29 with Winlock 1932, fig. 17 a-d. For CJ--5aiii-viii generally, see Bruyère 1937: 93, fig. 47, especially the fifth row.

Table 6. Corpus of Pottery Shapes (cont.)

| Classification | Cemetery, Tomb, and Object Number | Notes Re | Museum <br> Registration Number | Figure/Plate |
| :---: | :---: | :---: | :---: | :---: |
| COMMON JAR (CJ) (cont.) |  |  |  |  |
| CJ-5aiii (cont.) | R 84-14 |  | OIM 23569 | fig. 86d |
|  | R 91-3 |  | OIM 23589 | fig. 88b |
|  | V 48-39 |  | OIM 21677 | fig. 111c |
|  | V 66-1 |  | OIM 22301 | fig. 131b |
|  | V 66-3 |  | OIM 22297 | fig. 131c, pl. 15d |
|  | V 71-1 |  | OIM 22319 | fig. 133a, pl. 15b |
|  | V 71-5 |  | OIM 22317 | fig. 133e |
|  | V 72B-20 |  | OIM 22302 | - |
|  | V 72B-29 | (form-group IV) | ) OIM 21955 | fig. 137e, pl. 15e |
|  | V 72B-30 |  | OIM 22307 | fig. 137b |
|  | V 72B-31 |  | OIM 22315 | fig. 137d |
|  | V 73-11 |  | OIM 22298 | fig. 140b |
|  | V73-e |  | OIM 22299 | fig. 104d |
|  | V74-2 |  | OIM 22310 | - |
|  | V 75-3 |  | OIM 22296 | fig. 144b |
|  | V75-4 |  | OIM 22312 | - |
|  | V 83-5 |  | OIM 22322 | fig. 1560 |
|  | V 83-6 |  | OIM 22323 | fig. 155a |
|  | V 83-7 |  | OIM 22304 | - |
|  | V 113-37 |  | OIM 23800 | fig. 170a |
|  | K 2-1 |  | OIM 22985 | fig. 176c |
|  | K 2-2 | (form-group IV) | ) OIM 22986 | fig. 176e |
|  | K 2-6 |  | OIM 22994 | fig. 176 d |
|  | K 18-3 |  | OIM 23043 | fig. 181a |
|  | W 55-7 |  | OIM 23844 | fig. 203d |
|  | W 56-3 |  | OIM 23920 | fig. 204c |
|  | W 81-1 |  | OIM 23919 | fig. 206a |
| CJ-5aiv ${ }^{106}$ | R 45-28 |  | OIM 22318 | figs. 3k, 60b |
| CJ-5av ${ }^{107}$ | R 35-37 |  | OIM 21156 | figs. $4 \mathrm{a}, 43 \mathrm{~g}, \mathrm{pl} .27 \mathrm{c}$ |
|  | R 45-4 |  | OIM 22321 | fig. 60a |
| $\text { CJ—5avi }{ }^{108}$ | R 29-31 |  | OIM 21057 | fig. 32e |
|  | R 43-5 |  | OIM 21061 | - |

106. Note the undecorated jars in Gurob, Riqqeh, and Harageh 23 series; see also Holthoer 1977, pl. 36 (IR/0/e-h, second vessel).
107. Holthoer 1977, pl. 37: JO 1 (contour as in IR/1/i-k, 185/311:2; R 35-35 is actually IR/0/e-h).
108. Randall-MacIver and Woolley 1911, pl. 46: SVIII; Holthoer 1977, pl. 36: JO 1 (IR/1/e-h); R 43-5 approximates pl. 35: JO 1, 400/18:10.

Table 6. Corpus of Pottery Shapes (cont.)

| Classification | Cemetery, Tomb, and Object Number | Notes Reg | Museum istration Number | Figure/Plate |
| :---: | :---: | :---: | :---: | :---: |
| COMMON JAR (CJ) (cont.) |  |  |  |  |
| CJ-5avi (cont.) | R 84-18 |  | OIM 23584 | figs. 4b, 86e |
|  | V 66-2 |  | OIM 22305 | fig. 131d |
|  | K 1-1 |  | OIM 22983 | fig. 174b |
|  | W 81-2 | (form-group IV) | OIM 23843 | - |
| CJ-5avii ${ }^{109}$ | R 45-10 | (form-group IV) | OIM 21186 | figs. $4 \mathrm{c}, 60 \mathrm{~d}$ |
| CJ-5aviii ${ }^{110}$ | R 20-40 | (form-group IV) | OIM 21008 | fig. 25b |
|  | K 50-1 |  | OIM 23115 | figs. $4 \mathrm{~d}, 187 \mathrm{e}$ |
| CJ-5aix ${ }^{111}$ | V 46-56 |  | OIM 22295 | figs. $4 \mathrm{e}, 99 \mathrm{a}$ |
|  | V 48-77 |  | OIM 21933 | fig. 113c |
|  | V 113-29 |  | OIM 23799 | fig. 171 d |
| CJ-5ax ${ }^{112}$ | V 46-58 |  | OIM 22342 | figs. 4f, 99b |
|  | S 7-8 |  | OIM 22332 | fig. 198a |
| CJ-5axi ${ }^{113}$ | V 76-18 |  | OIM 21956 | figs. $4 \mathrm{~g}, 146 \mathrm{e}$ |
| CJ-5axii ${ }^{114}$ | V 48-34 |  | OIM 21924 | figs. 4h, 114b |
|  | V 48-103 |  | OIM 21935 | fig. 114a |
| CJ-5axiii ${ }^{115}$ | R 33-1 |  | OIM 21075 | figs. 4i, 39 |
|  | V 48-33 |  | OIM 21674 | fig. 111 b |
|  | V 48-76 |  | OIM 21911 | fig. 111a |
|  | S 7-19 |  | OIM 22331 | - |
|  | S 7-14 |  | OIM 22333 | fig. 198b |

109. See Gurob, Riqqeh, and Harageh 23 series; see also Holthoer 1977, pl. 35: JO 1 (IP/1/i-k; 400/18:10, shape only).
110. Steindorff 1937, pl. 77: 26 (fourth from left), generally CJ-5aviii-ix; Holthoer 1977, pl. 35: JO 1 (closest IP/I/i-k, but this is narrower); Carnarvon and Carter 1912, pI. LXXIV, below.
111. Holthoer 1977, see pl. 37: JO 1 (IR/1/i-k is the closest parallel, but it is not precise).
112. Holthoer 1977, pl. 37: JO I (IR/1/i-k, not precise). See Schiaparelli 1927, fig. 121, second from botom, right.
113. Steindorff 1937, pl. 88: 50, 5; Harageh 24e, the type is shown on the walls of Hatshepsut's mortuary temple; see also Qau 102 for bands; Holthoer 1977, pls. 35-37: JO 1, no precise parallel.
114. Steindorff 1937, pl. 77: 26 (generally); Holthoer 1977, pl. 37: JO 1 (IR/1/i-k; 185/507:9).
115. Steindorff 1937, pl. 78: 28 (left), pl. 77: 26 (fourth from left). See Amarna XV 19 and 20 (Kelley 1976, pl. 67.22), but with even longer necks; Holthoer 1977, pl. 17: ST 3 variant A (185/510:5).

Table 6. Corpus of Pottery Shapes (cont.)

| Classification | Cemetery, Tomb, and Object Number | Notes Re | Museum egistration Number | Figure/Plate |
| :---: | :---: | :---: | :---: | :---: |
| COMMON JAR (CJ) (cont.) |  |  |  |  |
| CJ-5axiv ${ }^{116}$ | V 45-3 |  | OIM 21603 | figs. 5a, 92d, pl. 28b |
| $\mathrm{CJ}-5 \mathrm{~b} \mathrm{i}^{117}$ | R 45-19 |  | OIM 22311 | fig. 59 h |
|  | R 47-11 |  | OIM 22303 | figs. 5b, 65c |
|  | K 31-2 |  | OIM 23045 | fig. 184 |
| CJ-5bii ${ }^{118}$ | R 86-1 |  | OIM 23571 | - |
|  | V 113-42 |  | OIM 23797 | figs. 5c, 170b, pl. 28c |
| CJ-5biii ${ }^{19}$ | R 83-2 | (form-group IV) | OIM 23572 | figs. $5 \mathrm{~d}, 83 \mathrm{~b}$ |
| CJ-5biv ${ }^{120}$ | R 40-42 |  | OIM 21108 | fig. 53c |
| $\mathrm{CJ}-5 \mathrm{bv} \mathrm{v}^{121}$ | R 29-55 | (or CJ-5bvi) | OIM 21045? | - |
| CJ--5bvi ${ }^{122}$ | R 29-55 | (or CJ-5bv) | OIM 21045? | - |
| $\mathrm{CJ}-5 \mathrm{c}^{123}$ | K 50-14 | (form-group IV) | OIM 23121 | figs. 5e, 187b |
| $\mathrm{CJ}-6 \mathrm{i}^{124}$ | V 48-45 |  | OIM 21936 | figs. 5f, 112b |
| CJ-6aii ${ }^{125}$ | R 40-3 | (or ? ) | OIM 22338 | figs. $5 \mathrm{~g}, 53 \mathrm{~g}$ |

116. The vessel belongs to the Gurob, Riqqeh, Harageh series 25 , but the bottom was not scraped to shape. Holthoer 1977, pl. 28 (unfinished vessels, restricted; no precise parallel).
117. Steindorff 1937, pl. 76: 22 (fourth from left); Gurob, Riqqeh, and Harageh 25a-d, or 26, but a wider vessel; Holthoer 1977, pl. 37: JO 1 (VP/0/e-h, VP/1/e-h).
118. Gurob 26a-e, Holthoer 1977, pl. 37: JO 1 (VP/0/e-h).
119. See Steindorff 1937, pl. 76: 22 (center); Gurob 26 a-e; Holthoer 1977, pl. 37: JO 1 (IR/1/i-k, no precise parallel).
120. Steindorff 1937, pl. 76: 22 (also center); Gurob $26 \mathrm{f}-\mathrm{g}$ (?), but not the equivalent number at Riqqa; Holthoer 1977, pls. 37-38: either JO 1 or JO 3.
121. Gurob, Riqqeh, and Harageh 23-26, no precise parallel; Holthoer 1977, pl. 36: JO 1 (IR/0/c-d).
122. Steindorff 1937, pl. 78: 28 (third from left); Holthoer 1977, pl. 16: ST 1 (no precise parallel; see pl. 40: SJ 1 IIR/0/h-i, for the shape only).
123. Gurob 26 series; Holthoer 1977, pl. 38: JO 3 (no precise parallel).
124. For CJ-6b, see Randall-MacIver and Woolley 1911, pls. 39, 46, SVIII; for CJ-6 generally, see Reisner 1910, fig. 308, 307; Holthoer 1977, pl. 16: ST 1 IR/0/1-m (second jar), also Amarna series XXV 247, 184, 205 (Kelley 1976, pl. 67.9), but very approximate.
125. Holthoer 1977, pl. 16: ST 1 IR/0/1-m, first jar; Amarna XXV/247 (Kelley 1976, pl. 67.9).

Table 6. Corpus of Pottery Shapes (cont.)

| Classification | Cemetery, Tomb, and Object Number | Notes Regis | Museum istration Number | FigurelPlate |
| :---: | :---: | :---: | :---: | :---: |
| COMMON JAR (CJ) (cont.) |  |  |  |  |
| $\mathrm{CJ}-6 \mathrm{bi}^{126}$ | V 48-60 |  | OIM 21713 | fig. 111 e |
|  | V 60-4 |  | OIM 21824 | figs. 5h, 124d |
|  | K 50-12 | (form-group IV) | OIM 23117 | fig. 187a |
| $\mathrm{CJ}-6 \mathrm{bii}^{127}$ | R 35-38 |  | OIM 21157 | fig. 47b |
|  | R 79-1 | (or CJ-6biii) | OIM 23557 | - |
|  | V 113-31 |  | OIM 23798 | fig. 171e |
|  | V 113-36 |  | OIM 23796 | figs. 5i, 170c |
|  | K 65-7 |  | OIM 23186 | fig. 190h |
| CJ-6biii ${ }^{128}$ | R 20-39 |  | OIM 21023 | figs. 5j, 25c |
|  | R 40-65 |  | OIM 22334 | fig. 53 f |
|  | R 61-2 |  | OIM 22336 | fig. 72b, pl. 27a |
|  | R 79-1 | (or CJ-6bii) | OIM 23557 | - |
|  | R 79-14 |  | OIM 23559 | - |
|  | R 79-2 |  | OIM 23558 | fig. 81e |
|  | S 7-4 |  | OIM 21348 | - |
| CJ-6biv alpha ${ }^{129}$ | V 48-36 |  | OIM 21676 | figs. $5 \mathrm{k}, 111 \mathrm{~d}$ |
|  | K 50-3 |  | OIM 23116 | fig. 187c |
| CJ-6biv beta ${ }^{130}$ | R 29-45 |  | OIM 22341 | figs. 51, 32b |
| CJ-6bv ${ }^{131}$ | V 48-59 |  | OIM 21721 | figs. $5 \mathrm{~m}, 112 \mathrm{a}$ |
| $\mathrm{CJ}-7 \mathrm{a}^{132}$ | V 83-13 |  | OIM 22054 | figs. 6a, 155b |
| CJ-7b ${ }^{133}$ | R 47-10 |  | 21164 | fig. 64 g |
|  | R 75-13 | (form-group IV) | OIM 23646 | figs. 6b, 76d, pl. 17e |

126. Possibly this might belong to the Gurob, Riqqeh, and Harageh 25 series. Holthoer 1977, pl. 35 and following: JO 1, no precise parallel; Randall-MacIver and Woolley 1911, pl. 46: SX.
127. Amarna XXV/184, 205 (Kelley 1976, pl. 67.9); Holthoer 1977, pl. 16: ST 1, no precise parallel in IR/O/l-m; Randall-MacIver and Woolley 1911, pls. 39, 46: SVIII.
128. See CJ-Gbiv.
129. Gurob, Riqqeh, and Harageh 24-25 series (for example 25a-d), but details are not depicted clearly enough to be certain. Holthoer 1977, pl. 37: JO 1 (IIIP/1/e-h 185/486:1 closest in contour, but not "ware"); Steindorff 1937, pl. 76: 23.
130. See CJ-6biv alpha; Holthoer 1977, pl. 37: JO 1 IIIP/1/e-h.
131. Holthoer 1977, pl. 36: JO 1 (IR/1/e-h, but not a close parallel); Gurob $25 i$.
132. Holthoer 1977, pl. 34: GJ 1; variant of CJ—7 generally, Carnarvon and Carter 1912, pl. LXXIV, below.
133. Holthoer 1977, pl. 34: GJ 1; Reisner 1910, fig. 305: 2; Gurob 350 (approximately).

Table 6. Corpus of Pottery Shapes (cont.)

| Classification | Cemetery, Tomb, and Object Number Notes Reg | Museum stration Number | Figure/Plate |
| :---: | :---: | :---: | :---: |
| COMMON JAR (CJ) (cont.) |  |  |  |
| $\mathrm{CJ}-7 \mathrm{c}^{134}$ | R 47-7 | OIM 21162 | figs. $6 \mathrm{c}, 64 \mathrm{f}$ |
|  | V 73-7 | OIM 21868 | fig. 140 c |
|  | V 83-12 | OIM 22053 | fig. 155c |
| $\mathrm{CJ}-8 \mathrm{a}^{139}$ | R 43-7 | OIM 22294 | figs. 6d, 56e |
|  | V 48-17 | OIM 21673 | fig. 112c |
|  | V 82-3 | OIM 21957 | fig. 153d |
|  | S 8-26 | OIM 21392 | fig. 201d |
| $\mathrm{CJ}-8 \mathrm{~b} \mathbf{i}^{136}$ | R 94-21 | OIM 23586 | figs. $6 \mathrm{e}, 90 \mathrm{a}$ |
|  | S 5-3 | OIM 21322 | fig. 192c |
| CJ—8bii ${ }^{137}$ | V 46-23 | OIM 21637 | figs. 6f, 95e, pl. 26 b |
| CJ-8biii ${ }^{138}$ | R 35-40 | OIM 21152 | figs. $6 \mathrm{~g}, 46 \mathrm{~b}, \mathrm{pl} .26 \mathrm{a}$ |
| CJ-8bivi ${ }^{139}$ | R 35-28 | OIM 21150 | figs. 6h, 46a |
| $\mathrm{CJ}-8 \mathrm{ci}^{140}$ | R 75-12 (form-group II or IV) | OIM 23573 | fig. 76c, pl. 28a |
|  | V71-4 | OIM 21797 | figs. 6i, 133d |
| $\mathrm{CJ}-8 \mathrm{cii}^{141}$ | Not at Qustul or Adindan. |  |  |

134. Holthoer 1977, pl. 34: GJ 1, IR/0/h-i, 185/264:1, and IP/4P/f-g (shorter neck at Qustul); Gurob, Riqqeh, and Harageh (approximately) series 31 (h); Steindorff 1937, pl. 74: 15, fourth from left; Woolley and Randall-MacIver, pl. 38 SLXXVI; Reisner 1910, fig. 305.
135. For shape CJ-8a generally, see Holthoer 1977, pls. 33, 39: FU 1, NJ 1; Gurob 370; Qau (approximately) 113 (larger); Reisner 1910, fig. 312: 1 (wider).
136. For CJ-8b generally, see Steindorff 1937, pl. 72: 12, center; see also Gurob and Riqqeh 41, Reisner 1910, fig. 311; Holthoer 1977, pl. 33: FU 1, pl. 39: NJ 2 (profile narrowed), see also pl. 17: ST 4 (IR/0/1m); Amarna XIII 13 (Kelley 1976, pl. 67.21; flared more).
137. Holthoer 1977, pl. 33: FU 1; Randall-MacIver and Woolley 1911, pl. 45: SIII; Reisner 1910, fig. 311; Gurob and Riqqeh series 41-42; see also Amarna XIII 12 (Kelley 1976, pl. 67.20; shorter neck and more flared).
138. Gurob and Riqqeh series 41-42, Holthoer 1977, pl. 33: FU 1.
139. Steindorff 1937, pl. 72: 12, fourth-fifth from left; Gurob series 41; Riqqeh 40n; Holthoer 1977, pl. 33: FU 1 (IR/3W/g-h).
140. Holthoer 1977 does not contain a parallel; it would probably be grouped with pl. 39: NJ 2.
141. Holthoer 1977, pl. 40: NJ 6 (this example is taller); Reisner 1910, fig. 310: 3; Steindorff 1937, pl. 73: 14, second-third from left (these are lower with a less smooth transition at the shoulder, for painting, see Randall-Maclver and Woolley 1911, pl. 40); Qurneh (Kelley 1976, pl. 60.2) 707, 709; Qau (Kelley 1976, pl. 79.11) 268. See also Schiaparelli 1927, fig. 123 center, slightly shorter.

Table 6. Corpus of Pottery Shapes (cont.)

| Classification | Cemetery, Tomb, and Object Number | Notes Re | Museum gistration Number | Figure/Plate |
| :---: | :---: | :---: | :---: | :---: |
| COMMON JAR (CJ) (cont.) |  |  |  |  |
| CJ-9142 | R 29-41 | (form-group IV) | OIM 21044 | fig. 34a |
|  | R 29-46 | (form-group IV) | Cairo 89958 | pl. 25 |
| $\mathrm{CJ}-10 \mathrm{a}^{143}$ | Not at Qustul or Adindan. |  |  |  |
| CJ—10bi ${ }^{144}$ | R 45-24 |  | OIM 21181 | figs. $6 \mathrm{j}, 59 \mathrm{~g}$ |
|  | V 113-38 | (form-group II) | OIM 23795 | figs. 6k, 169h, pl. 17b |
| CJ-10bii ${ }^{145}$ | R 35-2 |  | OIM 21158 | fig. 43 d |
|  | K 50-13 |  | OIM 23120 | fig. 186a |
| CJ-10biii ${ }^{146}$ | R 83-1 |  | OIM 23491 | figs. 61, 83a, pl. 17c |
| CJ—10biv alpha ${ }^{147}$ | V 46-16 |  | OIM 21636 | figs. $7 \mathrm{a}, 95 \mathrm{a}$ |
| CJ-10biv beta ${ }^{148}$ | V 60-27 |  | OIM 21861 | figs. 7b, 125a, pl. 17d |
| CJ-10c ${ }^{149}$ | W 56-2 |  | OIM 23922 | figs. 7c, 204b, pl. 17a |
| CJ-11a | R 94-3 |  | OIM 23563 | figs. 7d, 90c |
| $C J-11 b^{150}$ | V 56-2 |  | OIM 21687 | figs. $7 \mathrm{e}, 122 \mathrm{~b}, \mathrm{pl}$. 16 b |

142. For the general shape of this vessel, see Steindorff 1937, pl. 79:31, third from left; the shape occurs with simple incised decoration at Buhen (Randall-Maclver and Woolley 1911, pl. 45: SVI). For shapes and one female face on a rim, see Reisner 1910, fig. 302: 2; Qau 100. The profile of this vessel is approximated by Holthoer 1977, pl. 17: ST 4 (VP/0/n). It does not belong to the appropriate size group, however. See also Carnarvon and Carter 1912, LXXIV.
143. Holthoer 1977, pl. 29: BO 1 (no precise parallel, but smaller than any present).
144. Holthoer 1977, pl. 29: BO 1 (no precise parallel); Reisner 1910, fig. 317 generally.
145. For CJ-10bii-iii, see Steindorff 1937, pl. 71: 9a, b; Randall-Maclver and Woolley 1911, pl. 48: SLIII; Reisner 1910, fig. 317: 3-5; Gurob, Riqqeh, and Harageh 80 series, none precise (see Riqqeh 82e for a theriomorphic addition; Harageh has more precise parallels in 80 series and painted); Qau 115; Holthoer 1977, pl. 29: BO I IIR/0/g-h.
146. See CJ—10bii; Randall-MacIver and Woolley 1911, pl. 48: SLIII, as CJ—10bi.
147. See previous note; Randall-Maclver and Woolley 1911, pl. 46: SXIV; for the rim, see Gurob 80k, m; Holthoer 1977, as CJ-10bi, also pl. 41: XO 6 IR/0/e-f 185/511:80; Reisner 1910, fig. 318: 4, but with a longer neck.
148. See CJ—10bii; for the rim, see Steindorff 1937, pl. 75: 20 (fourth from left); also see Gurob 80 k , m; Holthoer 1977, pl. 29: BO 1 (no precise parallel); Reisner 1910, figs. 317-18.
149. Steindorff 1937, pl. 71: 10b, first and last; Reisner 1910, fig. 319: 3-4; Holthoer 1977, pl. 29: BL 1 (IIR/0/e-g).
150. Holthoer 1977, no precise parallel, probably pl. 22: AO 4; Riqqeh 47 series; Amama LXXII/164 (Kelley 1976, pl. 67.16).

Table 6. Corpus of Pottery Shapes (cont.)

| Classification | Cemetery, Tomb, <br> and Object Number | Notes | Museum <br> Registration Number | FigurelPlate |
| :---: | :---: | :---: | :---: | :---: |

COMMON JAR (CJ) (cont.)

| CJ—11c ${ }^{151}$ | R 20—11 <br> V 97-7 | (form-group IV) | OIM 20782 |
| :--- | :--- | :--- | :--- | | fig. 26c |
| :--- |
| OIM 22126 |$\quad$ figs. 7f, 166g

PSEUDO-IMPORT JAR (PJ) ${ }^{156}$

| PJ-1a ${ }^{157}$ | V 72B-34 |  | OIM 21971 | figs. $7 \mathrm{~g}, 135 \mathrm{~g}$ |
| :---: | :---: | :---: | :---: | :---: |
| PJ-1b ${ }^{158}$ | V 113-46 | (form-group II) | OIM 23808 | figs. 7h, 171c |
| PJ-Ic | R 84-28 | (form-group II) | OIM 23493 | figs. 7i, 86c |
| $\mathrm{PJ}-1 \mathrm{di}^{159}$ | R 84-1 | (form-group II) | OIM 23588 | figs. $7 \mathrm{j}, 86 \mathrm{~b}, \mathrm{pl} .18 \mathrm{~b}$ |
| $\mathrm{PJ}-1 \mathrm{dij}^{160}$ | R 40-24 | (form-group II) | OIM 21087 | figs. $7 \mathrm{k}, 52 \mathrm{f}$ |
| PJ-2a ${ }^{161}$ | R 40-26 |  | OIM 21223 | figs. 71, 53d |

151. Holthoer 1977, no precise parallel, but similar to pl. 35: GW 1, though smaller, or pl. 33: FU 2 (?); Gurob 37 series; possibly Riqqeh 37 d; for more developed examples with well-defined rims, see Schiaparelli 1927, fig. 121, upper left.
152. Holthoer 1977, pl. 33: FU 2 IR/0/e-f; approximates Steindorff 1937, pl. 75: 19 (left); Gurob 36w (not exact, possibly closer to others in 36 series); Harageh 36w, x; possibly Reisner 1910, fig. 312: 3.
153. Qau Second Intermediate Period 74-75 series (and some other vessels in the $70-80$ range, not in the present material).
154. Tapered jar; Qau 68-69 series.
155. Bulged neck jar; Qau Second Intermediate Period 60-61 series.
156. Another jar (V 113-24) belongs to the PJ category but is not further classified.
157. The vessel is roughly comparable to Qau 150 and 155; Holthoer 1977, pl. 32: CV 2 (no precise parallel).
158. For PJ—1b-d, see Steindorff 1937, pl. 87: 49, 7; Qau 136; Holthoer 1977, pl. 33: FB.
159. Holthoer 1977, pl. 33: FB 1.
160. See the previous note.
161. For PJ— 2 generally, see Randall-Maciver and Woolley 1911, pl. 47: SXXXI-XXXV; Steindorff 1937, pls. 82 and 79: 33a (first two and last two). For PJ-2a, see Qau 142, 138-41 (unpainted) and Second Intermediate Period series 52; Holthoer 1977, pl. 40: SQ 1 (IR/0/a-b nearest parallel), also pl. 30: CS 1 (IIR/0/a-b). Two additional jars (R 29-A and R 32-7 [fig. 36a]) belong to the PJ-2 category but are not classified further.

Table 6. Corpus of Pottery Shapes (cont.)

| Classification | Cemetery, Tomb, and Object Number | Notes | Museum Registration Number | Figure/Plate |
| :---: | :---: | :---: | :---: | :---: |
| PSEUDO-IMPORT JAR (PJ) ( cont.) |  |  |  |  |
| PJ-2a (cont.) | R 45-11 |  | OIM 21205 | fig. 59j |
|  | $\begin{aligned} & \text { R 45-21 } \\ & \text { R } 45-30 \end{aligned}$ |  | OIM 21184 <br> OIM 21106 | fig. 60 g fig. 60c |
|  | R 56-5 | (form-group II) | ) OIM 21178 | fig. 68b |
| PJ-2bi ${ }^{162}$ | R 46-3 | (form-group II) | ) OIM 22283 | fig. 62 e |
|  | V 72B-19 | (form-group II) | ) OIM 21953 | fig. 137a |
|  | K 50-15 |  | OIM 23106 | fig. 186e |
| PJ-2bii ${ }^{163}$ | R 20-49 |  | - | - |
|  | R 40-41 |  | OIM 22285 | figs. $7 \mathrm{n}, 52 \mathrm{~h}$ |
|  | R 47-6 |  | OIM 21166 | fig. 64 e |
| PJ-2biii ${ }^{164}$ | R 84-19 |  | OIM 23587 | figs. $7 \mathrm{o}, 86 \mathrm{a}$ |
| PJ-2biv ${ }^{165}$ | R 40-56 | (form-group II) | ) OIM 22287 | figs. $7 \mathrm{p}, 52 \mathrm{~g}$ |
| PJ-2c | R 58-7 | (form-group II) | OIM 22289 | fig. 70b |
| PJ- $2 \mathrm{ci}^{166}$ | R 29-39 | (form-group II) | OIM 21054 | figs. 7q, 31f |
|  | V 60-22 | (or?) | OIM 21838 | fig. 126a, pl. 18e |
|  | V 72B-28 | (form-group II) | OIM 21954 | fig. 136 f |
| PJ-2cii ${ }^{167}$ | R 46-4 |  | OIM 21204 | fig. 62 f |
|  | K 50-6 |  | OIM 23114 | figs. 7r, 186c |
|  | K 65-18 | (form-group II) | OIM 23174 | fig. 190e |

162. Qau 144, see Second Intermediate Period $57 \mathrm{H}, \mathrm{M}$, and 54-55; Holthoer 1977, pl. 30: CS 1 (IP/0/c-d). For PJ-4b generally, see Reisner 1910, figs. 320 and 323; see also Reisner 1923 IV-V, p. 395, fig. 271: 39-42, 44-46; p. 407, fig. 286: 11, 13 (RW).
163. Qau Second Intermediate Period 59, New Kingdom 152; Holthoer 1977, pl. 30: CV 1 (IP/0/a-b).
164. Qau Second Intermediate Period 52d, New Kingdom 152-53; Holthoer 1977, pl. 31: CV 1, IIIP/0/c-d (185/390:3).
165. See PJ-2biii; Holthoer 1977, pls. 30-32: CS-CV, no precise parallel.
166. For PJ-2c as a whole, see Gurob 77 (with exceptions), 78a, e, k; Riqqeh 77d, k, 78k; Harageh 78; Qau New Kingdom 172, 174, 244 (Kelley 1976, pl. 79.9); Reisner 1910, figs. 320 and 323.
167. See PJ—2ci; see Holthoer 1977, pl. 30: CS 1 (IP/0/c-d, 185/68:5); PJ-2cii-iii; Carnarvon and Carter 1912, pl. LXVIII 37/59.

Table 6. Corpus of Pottery Shapes (cont.)

| Classification | Cemetery, Tomb, and Object Number | Notes | Museum <br> Registration Number | Figure/Plate |
| :---: | :---: | :---: | :---: | :---: |
| PSEUDO-IMPORT JAR (PJ) (cont.) |  |  |  |  |
| PJ-2ciii ${ }^{168}$ | R 13-2 | (or PJ-2di) | OIM 20734 | fig. 20a |
|  | R 35-61 |  | OIM 21149 | fig. 7s |
|  | R 35-61 |  | OIM 21149 | fig. 45b |
|  | R 79-12 | (form-group II) | ) OIM 23492 | fig. 81c |
|  | V 72B-10 | (form-group II) | ) OIM 21905 | fig. 136g |
|  | V 72B-9 | (form-group II) | ) OIM 21904 | fig. 136e |
|  | V 76-23 | (form-group II) | ) OIM 22006 | fig. 146c, pl. 18a |
|  | V 76-4 | (or PJ-2di) | OIM 21910 | fig. 146a, pl. 18d |
|  | V 93-13 | $\begin{aligned} & \text { (or PJ-2iv, } \\ & \text { form-group II) } \end{aligned}$ | OIM 22082 | fig. 162b |
|  | V 97-13 | (form-group II) | ) OIM 22288 | fig. 166b |
|  | V 113-32 |  | OIM 23804 | fig. 169a |
|  | V 113-50 | (form-group II) | ) OIM 23803 | fig. 169c |
|  | K 12-1 | (form-group II) | ) OIM 23002 | fig. 179 b |
| PJ-2civ ${ }^{169}$ | R 20-37 | (form-group II) | ) OIM 21022 | - |
|  | R 45-16 |  | OIM 21224 | figs. 7t, 59 f |
|  | V 92-8 |  | OIM 22097 | fig. 160b |
|  | V 93-13 | (form-group II) | ) OIM 22082 | fig. 162b |
| PJ-2cv ${ }^{170}$ | V 72B-25 | $\begin{aligned} & \text { (or } \mathrm{PJ}-2 \mathrm{vi}, \\ & \text { form-group } \mathrm{II} \text { ) } \end{aligned}$ | OIM 22282 | fig. 136b |
|  | K 65-5 | (form-group II) | ) OIM 23173 | figs. 7u, 190b |
| PJ-2cvi ${ }^{171}$ | R 20-38 | (form-group II) | ) OIM 21005 | fig. 26f, pl. 18f |
|  | R 25-8 |  | OIM 21067 | fig. 28 a |
|  | R 29-18 | (form-group II) | ) OIM 21053 | fig. 31e |
|  | R 35-36 |  | OIM 21143 | fig. 45 d |
|  | R 46-10 | (form-group II) | ) OIM 21180 | fig. 62d |
|  | R 79-10 | (form-group II) | ) OIM 23560 | fig. 81d |
|  | V 48-114 | (form-group II) | ) OIM 22284 | fig. 110d |
|  | V 71-3 | (form-group II) | ) OIM 21796 | figs. 8a, 133c |
|  | V 72B-25 | $\begin{aligned} & \text { (or PJ-2v, } \\ & \text { form-group II) } \end{aligned}$ | OIM 22282 | fig. 136b |
|  | K 65-13 |  | OIM 23176 | fig. 190 d |

168. See PJ-2cii; Holthoer 1977, pls. 30-32: CV 1, no precise parallel, but several with flared necks and flat bottoms (IIR/0/c-d, 185/774:6).
169. See PJ-2ciii; Holthoer 1977, pls. 30-32, CV 1, same.
170. See PJ-2ci.
171. See PJ-2ci.

Table 6. Corpus of Pottery Shapes (cont.)

| Classification | Cemetery, Tomb, and Object Number | Notes | Museum gistration Number | Figure/Plate |
| :---: | :---: | :---: | :---: | :---: |
| PSEUDO-IMPORT JAR (PJ) ( cont.) |  |  |  |  |
| PJ—2cviii ${ }^{172}$ | R 35-54 | (form-group II) | OIM 21147 | figs, 8b, 45a |
| PJ-2di ${ }^{173}$ | R 13-2 | ( or PJ-2ciii) | OIM 20734 | fig. 20a |
|  | V 76-4 | (or $\mathrm{PJ}-2 \mathrm{ciii})$ | OIM 21910 | fig. 146a, pl. 18d |
|  | V 92-11 |  | OIM 22098 | figs. 8c, 160c |
| PJ—2dii ${ }^{174}$ | R 20-10 |  | OIM 20771 | fig. 26d, pl. 18 c |
|  | R 35-72 |  | OIM 21148 | fig. $45 \mathrm{e}, \mathrm{pl} .18 \mathrm{~g}$ |
|  | V 46-54 |  | OIM 21671 | fig. 95 d |
|  | V 92-2 |  | OIM 22094 | fig. 160e |
|  | V 93-5 |  | OIM 22100 | - |
|  | V 97-12 |  | OIM 22124 | fig. 166e |
|  | V 113-14 | (form-group II) | OIM 23806 | fig. 169e |
| PJ-2diii alpha ${ }^{175}$ | V 75-2 | (form-group II) | OIM 21871 | figs. 8d, 144a, pl. 18h |
| PJ-2diii beta ${ }^{176}$ | R 40-62 |  | OIM 21104 | figs. $8 \mathrm{e}, 52 \mathrm{i}$ |
| $\mathrm{PJ}-2$ diii gamma $^{177}$ | R 40-27 |  | OIM 21105 | figs. 8f, 53a |
| PJ—-2div alpha ${ }^{178}$ | V 72B-14 |  | OIM 22286 | figs. 8g, 135f |
| PJ-2div beta ${ }^{179}$ | R 29-29 |  | OIM 21052 | figs. 8h, 31b |
|  | V 83-9 |  | OIM 22003? | fig. 156 b |
|  | V 113-53 |  | OIM 23805 | fig. 169 b |
|  | K 65-12 |  | OIM 23182 | fig. 190c |

172. See PJ-2ci; for different decoration, see Gurob 51c, Qau 200, Holthoer 1977, no precise parallel, perhaps CV 1 or GJ 1.
173. Holthoer 1977, pls. 30-32: CV 1; for PJ—2d generally, see Gurob 771, 78; Riqqeh 77r; Harageh 78c; Qau 171, 173, 175 (also Kelley 1976, pl. 79.11: 771); Reisner 1910, figs. 320 and 323. Another jar (K 10-1, fig. 179a) belongs to the PJ-2d category but is not further classified.
174. See PJ-2di.
175. See PJ-2di; Randall-MacIver and Woolley 1911, pl. 47: SXXXIV; Holthoer 1977 does not have an equivalent, but see CS 1, pl. 30.
176. See PJ-2di; Holthoer 1977, pls. 30-32: CV 1.
177. See PJ-2di; Holthoer 1977, pl. 30: CV 2, no precise parallel.
178. See PJ-2di; Riqqeh 55x; Holthoer 1977, pls. 30-32: CV 1, no precise parallel.
179. See PJ—2di and iv alpha.

Table 6. Corpus of Pottery Shapes (cont.)

| Classification | Cemetery, Tomb, and Object Number | Notes | Museum <br> Registration Number | Figure/Plate |
| :---: | :---: | :---: | :---: | :---: |
| PSEUDO-IMPORT JAR (PJ) (cont.) |  |  |  |  |
| PJ-2div gamma ${ }^{180}$ | R 4B-11 |  | OIM 20648 | figs. 8i, 18e |
| PJ-2dv ${ }^{181}$ | R 40-39 |  | OIM 22281 | figs. $8 \mathrm{j}, 52 \mathrm{j}$ |
| PJ—2dvi ${ }^{182}$ | R 17-3 |  | OIM 20737 | figs. $8 \mathrm{k}, 21 \mathrm{~b}$ |
|  | V 46-53 |  | OIM 21670 | fig. 95b |
|  | V 73-8 | (form-group II) | ) OIM 21909 | fig. 139a |
| PJ-2dvii ${ }^{183}$ | V 93-11 |  | OIM 22099 | figs. 81, 162a |
| PJ-2dviii ${ }^{184}$ | V 81-19 |  | OIM 21979 | figs. $8 \mathrm{~m}, 151 \mathrm{a}$ |
| PJ-2dix ${ }^{185}$ | V 46-55 |  | OIM 21672 | fig. 95c |
|  | V 82-2 |  | OIM 21973 | figs. 8n, 153a |
| PJ $-3{ }^{186}$ | V 48-95 |  | OIM 21718 | fig. 110e |
|  | V 73-5 | (form-group II) | ) OIM 21867 | figs. 80, 140a, pl. 19d |
|  | V 76-24 | (form-group II) | ) OIM 22007 | fig. 147c, pl. 19c |
|  | S 7-5 | (form-group II) | ) OIM 21350 | fig. 197a |
| PJ- -4.8 | R 43-6 | (form-group II) | ) OIM 21063 | fig. 56a |
|  | V 76-21 | (form-group II) | ) OIM 22009 | figs. 8p, 147a, pl. 19b |
|  | V 76-30 | (form-group II) | ) OIM 22005 | fig. 147d, pl. 19a |
|  | V 76-31 | (form-group II) | ) OIM 22008 | fig. 147e, pl. 19e |

180. See PJ-2di.
181. See PJ—2di.
182. See PJ—2di; see also Amarna XX 6 (Kelley 1976, pl. 67.24), unpainted and with straight neck.
183. See Amarna XX 8 (Kelley 1976, pl. 67.24; neck longer); there is no equivalent in Holthoer 1977, but it would probably be CV 1.
184. Holthoer 1977, pl. 32: CV 2, VP/4p/a-b (185/489:2); Qau 175.
185. Qau 183, 27 o (Kelley 1976, pl. 79.111); Amarna XX 5 (Kelley 1976, pl. 67.24) unpainted, with different rim; Holthoer 1977, no equivalent.
186. Steindorff 1937, pl. 81: 35 a (all but the first and last), b, some with longer necks; Randall-Maciver and Woolley 1911, pl. 47: SXXXVI-XXXIX; Riqqeh 61f (much of series 61 ); Harageh 96 m , p; Qau 198; 203 (Kelley 1976, pl. 79.8); Holthoer 1977, pls. 20-21: JU 1 (various); Reisner 1910, fig. 324: 2-3; Hayes 1935, fig. 1, inner chamber, west chamber (god's wife Hatshepsut); none were found in T 37; Daressy 1902, pl. V: 24018 (see V 76-24) and 24010.
187. Steindorff 1937, pl. 80: 34a (first-third; Randall-MacIver and Woolley 1911, pl. 47: SXL, later vessel); Amarna LXXVI/228 (Kelley 1976, pl. 67.16), also XVIl 16 (Kelley 1976, pl. 67.24), tall version as in Schiaparelli 1927, fig. 124, above; Gurob 51c (parallel not precise); Qau 190-94; Holthoer 1977, pl. 23: AH 1 (various); Reisner 1910, fig. 324: 6-7; Daressy 1902, V: 24023, 24021 (Maherpri), handles angled, not straight, also large variant present.

Table 6. Corpus of Pottery Shapes (cont.)

| Classification | Cemetery, Tomb, <br> and Object Number | Notes | Museum <br> Registration Number | Figure/Plate |
| :---: | :---: | :---: | :---: | :---: |

PSEUDO-IMPORT JAR (PJ) (cont.)

| PJ-5a ${ }^{188}$ | R 20-9 |  | OIM 20770 | figs. 9a, 26b, pl. 20a |
| :---: | :---: | :---: | :---: | :---: |
|  | V 48-85 |  | OIM 21716 | fig. 110c |
|  | V 83-8 |  | OIM 22010 | fig. 156d |
|  | V 113-30 | (form-group II) | OIM 23801 | fig. 169 f |
| PJ-5b ${ }^{189}$ | V 76-29 | (form-group II) | OIM 22004 | figs. 9b, 146d, pl. 20c |
|  | V 113-11 | (form-group II) | OIM 24847 | fig. 171a, pl. 20b |
| PJ-6a ${ }^{190}$ | V 48-62 | (form-group II) | OIM 21719 | figs. 9c, 110a |
| PJ-6b ${ }^{191}$ | V 48-104 |  | Cairo 89936 | figs. 9d, 110b, pl. 16a |
| PJ-7 | Not present at Qustul or Adindan. |  |  |  |

AMPHORA (AM)

| AM—1 192 | V 48-38 |  | OIM 21934 | figs. 9e, 115b |
| :--- | :--- | :--- | :--- | :--- |
|  | V 48-69 |  | OIM 21725 | fig. 115a |
| AM—2193 | V 48-78 | (form-group IV) | OIM 22059 | figs. 9f, 115c |
| AM—3a ${ }^{194}$ | V 46—18 | (form-group IV) | OIM 21634 | figs. 9g, 100c, pl. 26c |

188. For PJ-5 generally, see Gurob 77 J; Qau 176, 177; Steindorff 1937, pl. 82: 38a (second from left); Holthoer 1977, pl. 29: BR 1 (no precise equivalent).
189. See PJ-5a; Holthoer 1977, pl. 29: BR 1 (IIIR/3D/c-d).
190. Double vessel, combination of PJ-5 + ?. Steindorff 1937, pl. 85: 44 a (fourth from left); Holthoer 1977, pl. 23: DV (no corresponding type).
191. Double vessel, combination of IM-2 and PJ-3. Holthoer 1977, pl. 23: DV (no corresponding type; see Steindorff 1937, pl. 85: 44 a, fourth from left).
192. Randall-MacIver and Woolley 1911, pl. 45: SI; Reisner 1910, fig. 304 (approximately); Riqqeh 49c ( $1 \mathrm{a}-\mathrm{b}$ approximately); Holthoer 1977, pl. 22: AO 1 IVG/0/1-m. The shape is that found in the tomb of Hayes 1935, fig. 1; Winlock 1932, fig. 17e; and Bruyère 1937: 95, fig. 49: 1.
193. Holthoer 1977, pl. 22: AO 1 (no parallel available); Amarna XLIII/1015B (Kelley 1976, pl. 67.12), but the base is thicker.
194. Holthoer 1977, pl. 22: AO 1, no parallel available. This vessel is much narrower than the AO vessels called "slender" and a new class is needed before "slender" in the group, or after, breaking the sequence. For AM-3 generally, see Steindorff 1937, pl. 78: 29-30; Randall-Maclver and Woolley 1911, pl. 39: SLXXVIII (transitional type); also Qau 206; see also a transitional type, with the name of Amenhotep II at "Thebes," Kelley 1976, pl. 66.27:3.

Table 6. Corpus of Pottery Shapes (cont.)

| Classification | Cemetery, Tomb, and Object Number | Notes Re | Museum istration Number | Figure/Plate |
| :---: | :---: | :---: | :---: | :---: |
| AMPHORA (AM) (cont.) |  |  |  |  |
| AM-3b ${ }^{195}$ | $\begin{aligned} & \text { R 35-39 } \\ & \text { V } 46-45 \end{aligned}$ | (form-group IV) | OIM 21160 OIM 21661 | fig. 45f <br> figs. 9h, 100b, pl. 26d |
| MINIATURE AMPHORA (MA) |  |  |  |  |
| MA-1 ${ }^{196}$ | $\begin{aligned} & \text { R } 35-1 \\ & \text { V } 46-12 \end{aligned}$ |  | $\text { OIM } 21140$ | figs. 9i, 43f, pl. 22a |
| MA-2a | V 93-14 |  | OIM 22084 | figs. $9 \mathrm{j}, 163 \mathrm{c}$ |
| MA-2b | S 8-15 |  | OIM 21317 | figs. 9k, 201a, pl. 22b |
| LID (LI) ${ }^{197}$ |  |  |  |  |
| LI-1 ${ }^{198}$ | $\begin{aligned} & \text { V } 48-48 \\ & \text { V } 48-68 \end{aligned}$ |  | OIM 21682 OIM 21715 | figs. 91, 109a <br> fig. 109c |
| LI-2 ${ }^{199}$ | V 72B-9 | (? damaged) | OIM 21904 | - |
| LI-3 $3^{200}$ | R 19-8 <br> V 48-63 <br> V 72B-2 | (form-group II) | $\begin{aligned} & \text { OIM } 21080 \\ & \text { OIM } 21714 \\ & \text { OIM } 21903 \end{aligned}$ | figs. 9m, 22, pl. 21a <br> fig. 135c |

195. This is the same general kind of vessel as Nagel 1938, figs. 8: $1-3,9: 6-8,10: 11-13,11: 16-18,12: 21-$ 23 , and 13, but the shoulder is sloped more steeply and the base is curved more to the point, most closely resembling figures 8:2 and 9:6 (Horemheb to Early Ramesses II). See also p. 82, T 1165, an earlier but mixed group. Other comparisons include the Riqqeh 48 series and Malkata jars, Hope 1977: 65, fig. la, but the amphora is wider and the handles are lower. See also Amarna XLIII/1015 (Kelley 1976, pl. 67.12), with concave neck and higher shoulder.
196. For general parallels, see Steindorff 1937, pl. 80: 34b, last; and Holthoer 1977, pl. 22: AO. See also Riqqeh 45c, 45g (small decorated amphora); Qau 208 (triphora, small amphora 210); Amarna XVII 17 (Kelley 1976, pl. 67.24; tetraphora, shape not otherwise comparable). For R 35-1, see Holthoer 1977, pl. 22 AO, but with no corresponding group; Randall-MacIver and Woolley 1911, pl. 48: SXLVI, note the three-handled SXLV. For miniature amphorae generally, see Steindorff 1937, pl. 80: 34 a (fourthsixth from left).
197. Another lid (V 48-42) belongs to this category but is not further classified.
198. For Ll-1 (flange out, angular), see Holthoer 1977, pl. 15: LL1, IR/0/a-b (Q/281); for LI-2, see IP/3D/a-b(?); Riqqeh 14r.
199. Flange turned inward, concave.
200. Randall-MacIver and Woolley 1911, pl. 48: SLXXI; Steindorff 1937, pl. 79: 32 (left); Holthoer 1977, pl. 15: LL 1, no precise parallel, resembles IR/0/a-b Q 73, but with no gas-hole. See Daressy 1902, pl. V: 24025, 24028 (Maherpri).

Table 6. Corpus of Pottery Shapes (cont.)

| Classification | Cemetery, Tomb, and Object Number | Notes R | Museum <br> Registration Number | FiguretPlate |
| :---: | :---: | :---: | :---: | :---: |
| SPECIAL PURPOSE VESSEL (SP) |  |  |  |  |
| SP—1201 | R 46-7a |  | OIM 21271 | fig. 61 b |
| SP-202 | V 60-1 |  | OIM 22366 | figs. 10b, 125b |
| SP--3203 | V 60-23 |  | OIM 21876 | figs. 10c, 124c, pl. 16c |
| SP-4 ${ }^{204}$ | Not at Qustul or | Adindan. |  |  |
| SP-5 ${ }^{205}$ | K 50-19 |  | OIM 23107 | figs. $10 \mathrm{~d}, 186 \mathrm{~d}$ |
| IMPORTS AND IMITATIONS (IM) |  |  |  |  |
| Juglet [M-1 ${ }^{206}$ | R 40-28 | (form-group II) | ) OIM 21107 | figs. 10e, 53 e |
| Juglet IM-2 ${ }^{207}$ | Not Qustul or A | Adindan. |  |  |
| Juglet IM-3 ${ }^{208}$ | R 29-17 |  | OIM 21048 | figs. 10h, 31a, pl. 23a |
| Juglet IM-4a ${ }^{209}$ | V 113-51 | (form-group II) | OIM 23807 | figs. $10 \mathrm{i}, 169 \mathrm{~d}$ |
| Juglet IM-4b ${ }^{210}$ | Not at Qustul or | r Adindan. |  |  |
| Spindle bottle IM-5211 | R 29-56 |  | OIM 21046 | figs. 10 j, 31g, pl. 23b |
|  | R 29-57 |  | OIM 21047 | fig. $31 \mathrm{~h}, \mathrm{pl} .23 \mathrm{c}$ |
|  | R 35-59 |  | OIM 21141 | pl. 23d |
|  | R 35-60 |  | OIM 21142 | fig. $45 \mathrm{c}, \mathrm{pl}$. 23 e |
|  | R 84-33 |  | OIM 23590 | fig. 85 j |

201. Pottery kohl jar, similar to stone kohl jar II-B2a; Holthoer 1977 has no corresponding group.
202. Canopic jar; Holthoer 1977, pl. 16: CA 1.
203. Spouted jar; Holthoer 1977, pl. 16: SV, no corresponding subgroup.
204. Hes-shaped jar.
205. Suspension jar; Reisner 1910, fig. 315: 7; no corresponding vessel exists in Holthoer 1977.
206. Hard pink piriform juglet. Holthoer 1977, pl. 41, Foreign Types (no corresponding vessel).
207. Yehudiyya juglet; this type of juglet is present at Serra in two subtypes, early and late.
208. Black globular juglet; see Steindorff 1937, pl. 81: 36b; Gurob 91 series; Qau 199; Reisner 1910, fig. 325: 3; Holthoer 1977, pl. 41, Foreign Types (no corresponding group).
209. Hard pink handled juglet with a globular shape.
210. Imitation Yehudiyya piriform shape.
211. Steindorff 1937, pl. 85: 43, generally; Gurob, Riqqeh, and Harageh 92 series; Qau 195; Reisner 1910, fig. 325: 1-2; Holthoer 1977, pl. 41: Cypriot Spindle Bottles (RL 1) for a tall Base Ring transitional type, see Camarvon and Carter 1912, pl. LXVIII 37/78.

Table 6. Corpus of Pottery Shapes (cont.)

| Classification an | Cemetery, Tomb, and Object Number | Notes R | Museum <br> Registration Number | Figure/Plate |
| :---: | :---: | :---: | :---: | :---: |
| IMPORTS AND IMITATIONS (IM) (cont.) |  |  |  |  |
| Spindle bottle IM-5 (cont.) | ) V 48-92 |  | OIM 21724 | - |
|  | V 48-93 |  | OIM 21732 | fig. 110h |
| Base Ring I IM-6 $\mathbf{6}^{\mathbf{2 1 2}}$ | V 76-5 |  | Cairo 89948 | figs. 10f, 146b, pl. 24a |
|  | V 113-52 |  | OIM 23812 | fig. 171b, pl. 24b |
| Pilgrim bottle $1 \mathrm{M}-7 \mathrm{a}^{213}$ | V 76-7 |  | OIM 21972 | figs. $10 \mathrm{~g}, 147 \mathrm{~b}, \mathrm{pl}$. 24 c |
| Pilgrim bottle IM -7 b | V 48-79 | (form-group II) | ) OIM 21722 | fig. 110 f |
| Juglet IM-8 $\mathbf{8}^{\mathbf{2 1 4}}$ | V 48-58 |  | Cairo 89945 | figs. 101, 110g, pl. 29b |
| Juglet IM- $\mathbf{9}^{215}$ | S 8-3 | (damaged) | OIM 21393 | fig. 201 b |
| Juglet IM-10 ${ }^{216}$ | Not found at $Q$ | ustul or Adindan |  |  |
| STAND (ST) ${ }^{217}$ |  |  |  |  |
| ST-1 ${ }^{218}$ | V 48-35 |  | OIM 21681 | - |
|  | V 48--40 |  | OIM 21917 | - |
|  | V 48-44 |  | OIM 21680 | figs. $10 \mathrm{~m}, 109 \mathrm{e}$ |
|  | V 48-65 |  | OIM 21717 | - |
|  | V 48-98 |  | OIM 21755 | fig. 109 g |

212. Steindorff 1937, pl. 85: 44a, first-third from left; Reisner 1910, fig. 325: 6; Riqqeh, Harageh, and Gurob 95 series; Qau 196-97; Holthoer 1977, pl. 41: Cypriot Flasks, low foot; Carnarvon and Carter 1912, pl. LXVIII 37/78.
213. For IM-7 generally, see Steindorff 1937, pl. 85: 44b (second-fifth); Randall-MacIver and Woolley 1911, pl. 48: SLVI; Gurob, Riqqeh, and Harageh 93 series; Reisner 1910, fig. 325: 7-9; Holthoer 1977, pl. 22: AP (type does not correspond).
214. Long ovoid juglet (askos); Holthoer 1977, pl. 41: Asymmetrical juglets (type does not correspond); Gurob 60d; Lahun 90M (Kelley 1976, pl. 69.1); Reisner 1910, fig. 325: 4 (small version).
215. Elongated juglet with small button base, convex side, grey-white coat.
216. Dipper juglet, see Buhen.
217. Another stand (K 18-5) belongs to this category but is not further classified.
218. Steindorff 1937, pl. 68: 4a (second-third), b (first), possibly c (first-second); Holthoer 1977, pl. 15: TU 4 (IR/O/a-d; 185/511:25).

Table 6. Corpus of Pottery Shapes (cont.)

| Classification | Cemetery, Tomb, and Object Number | Notes | Museum Registration Number | Figure/Plate |
| :---: | :---: | :---: | :---: | :---: |
| STAND (ST) (cont.) |  |  |  |  |
| ST- $2^{219}$ | R 20-42 |  | OIM 21006 | figs. 10n, 26e |
|  | R 20-43 |  | Cairo 89955 | pl. 21b |
|  | V 113-40 |  | OIM 23949 | fig. 169i |
|  | V 113-45 |  | OIM 24079 | fig. 169g |
| ST-3a ${ }^{220}$ | V 76-17 |  | OIM 21958 | figs. $100,148 \mathrm{~h}$ |
| ST-3b ${ }^{221}$ | R 29-24 |  | OIM 21042 | fig. 33a, pl. 21c |
|  | R 29-36 |  | OIM 21043 | - |
|  | R 38-2 |  | OIM 21562 | figs. 10p, 49 |
|  | R 44-2 |  | OIM 21562 | - |
|  | K 50-5 |  | OIM 23104 | fig. 187d |

COARSE PLATTER (CP) ${ }^{222}$

| CP | V 45-4 | OIM 21580 | fig. 92 c |
| :--- | :--- | :--- | :--- |
|  | V $46-48$ | OIM 21667 | fig. 97 a |
|  | V 46-52 | OIM 21669 | fig. 97 d |

PLATTER STAND AND BURNER (PS) ${ }^{223}$

PS | R 35-26 | OIM 21117 | - |  |
| :--- | :--- | :--- | :--- |
| R 35-27 | OIM 21110 | - |  |
| R 35-42 | OIM 21111 | fig. 43c |  |
|  | V 48-101 | OIM 21915 | fig. 109b |
|  | S 8-20 | OIM 22182 | - |

219. Steindorff 1937, pl. 68: 3a (second from left); Holthoer 1977, pl. 15: TB 2 (IIR/2/a-e); for burnished red with multiple ribs, see Qau 215.
220. Holthoer 1977, pl. 15: TR 3 (not precise parallel). Another stand (W 55-1) belongs to the ST-3 category but is not further classified.
221. Randall-Maclver and Woolley 1911, pl. 48: SLI; Steindorff 1937, pl. 68: 3a (third, possibly fourth from left); Holthoer 1977, pl. 15: TB 3 (IIR/0/a-h for R 38-2 and IIR/1/a-h for R 29-24; the parallels are not precise).
222. Holthoer 1977, pl. 28: PL 8 (not in corpus). No precise parallel occurs in the British School of Archaeology in Egypt corpora.
223. Steindorff 1937, pl. 70: 8c (center); Gurob series 4, none precise, all deeper; Riqqeh 5p; Harageh 5p. Amarna series IV-V, not precise. Presumably, this group would be assigned to Holthoer 1977, pl. 26: CU 5.

Table 6. Corpus of Pottery Shapes (cont.)

| Classification | Cemetery, Tomb , and Object Number | Notes | Museum <br> Registration Number | FigureiPlate |
| :---: | :---: | :---: | :---: | :---: |
| MINIATURE VOTIVE VESSEL (MI) ${ }^{224}$ |  |  |  |  |
| MI | R 45-25 |  | OIM 21210 | - |
|  | R 45-33 |  | OIM 21208 | - |
|  | R 45-34 |  | OIM 21209 | - |
|  | R 45-40 |  | OIM 21206 | fig. 59i |
|  | K 50-11 |  | OIM 23110 | fig. 186b |
|  | K 65-14 |  | OIM 23183 | fig. 190a |
| HOB (HO) | Not found at Qustul or Adindan. |  |  |  |
| CRUCIBLE (CR) | Not found at Qustul or Adindan. |  |  |  |
| BAKING OR ROASTING TUBE (BC) | Not found at Qustul or Adindan. |  |  |  |
| DOKA (DO) | Not found at Qustul or Adindan. |  |  |  |
| C-GROUP BOWL | V72B-21 |  | OIM 21959 | fig. 135d, pl. 29a |
|  | K 50-4 |  | OIM 23109 | - |

224. Steindorff 1937, pl. 70: 8 b (third from left also cited above for round-bottomed bowls); various vessels in Gurob, Riqqeh, and Harageh series 2, Amarna V/1031 (Kelley 1976, pl. 67.3); Holthoer 1977, pl. 27: PL 1.


Figure 1. Pottery shapes. Unfinished Angular Bowl: (a) R 40-21, (b) V 93-12, (c) V 48-67, (d) R 35-87. Common Bowl: (e) R 40-22, ( $f$ ) R 20-28, (g) R 29-32, ( $h$ ) R 29-47, (i) R 35-51, ( $j$ ) V 72B-13, ( $k$ ) R 79-5, ( $l$ ) V 45-1, (m) R 84-13, ( $n$ ) R 40-18, ( $o$ ) V 113-41, (p) V46-60, (q) S 7-6,
( $r$ ) R 25-3, ( $s$ ) R 29-6, ( $t) \mathrm{R} 40-60$, (u) R 76-5, (v) R 4B-4, (w) $\mathrm{v} 53-2$,
( $x$ ) R 20-1, (y) R 35-84, (z) R 35-96, (aa) R 29-48. Scale 1:5


Figure 2. Pottery shapes. Common Bowl (cont.): (a) R 58-1, (b) R 29-59, (c) K 50-8, (d) R 35-7, (e) R 29-62, ( $f$ ) V 48-87, (g) R 25-2, (h) R 25-1. Unfinished Jar: (i) R 29-4, (j) R 4B-9, (k) R 75-5, (l) R 76-2, (m) R 20-2, (n) R 29-1, (o) S 8-31, (p) S 8-22, (q) V 46-14. Scale 1:5


g

$\mathrm{CJ}-5 \mathrm{ai}$


CJ-5aii
i


Figure 3. Pottery shapes. Unfinished Jar (cont.): (a) V 46-51. Common Jar: (b) R 29—30, (c) R 20-5, (d) R 47-13, (e) R 58-3, ( $f$ ) R 35-75, (g) K 65-4, ( $h$ ) V 81-5, (i) R 58-8, ( $j$ ) R 29-61,
(k) R 45-28. Scale 1:5 except (e) 1:10

a



f


e

h

Figure 4. Pottery shapes. Common Jar (cont.): (a) R 35-37, (b) R 84-18, (c) R 45-10, (d) K 50-1, (e) V 46-56, (f) V 46-58, (g) $\vee$ 76-18, (h) $\vee$ 48-34, (i) R 33-1. Scale 1:5

a

e

i

j

k

c

g

h

m

Figure 5. Pottery shapes. Common Jar (cont.): (a) V 45-3, (b) R 47-11, (c) V 113-42, (d) R 83-2, (e) K 50-14, ( $f$ ) V 48-45, $(g)$ R 40-3, ( $h$ ) $\vee$ 60-4, (i) V 113-36, ( $j)$ R 20-39, (k) $\vee$ 48-36, ( $l$ ) R 29-45, (m) V 48-59. Scale 1:5 except $(f),(g),(j) 1: 10$

a

$$
\mathrm{CJ}-8 \mathrm{biv}
$$

h

d

e


$\mathrm{CJ}-8 \mathrm{ci}$
i


CJ—7b
b

c


CJ- 8 biii
g


CJ-10bii
k


CJ-10biii 1

Figure 6. Pottery shapes. Common Jar (cont.): (a) V 83-13, (b) R 75-13, (c) R 47-7, (d) R 43-7, (e) R 94-21, (f) $\vee 46-23,(g) R 35-40,(h) R 35-28,(i) \vee 71-4,(j) R 45-24,(k) \vee 113-38$, (l) R 83-1. Scale 1:5


Figure 7. Pottery shapes. Common Jar (cont.): (a) V 46-16, (b) V 60-27, (c) W 56-2, (d) R 94-3, (e) V 56-2, ( $f$ ) V 97-7. Pseudo-Import Jar: (g) V 72B-34, ( $h$ ) V 113-46, (i) R 84-28, (j) R 84-1, (k) R 40-24,
( $l$ ) R 40-26, ( $m$ ) R 46-3, ( $n$ ) R 40-41, ( $o$ ) R 84-19, (p) R 40-56, (q) R 29-39,
(r) K 50-6, ( $s$ ) R 35-61, ( $t$ ) R 45-16, (u) K 65-5. Scale 1:5


Figure 8. Pottery shapes. Pseudo-Import Jar (cont.): (a) $\vee$ 71-3, (b) R 35-54, (c) V92-11, (d) V75-2, (e) R 40-62, ( $f$ ) R 40-27, (g) V 72B-14, ( $h$ ) R 29-29, (i) R 4B-11, (j) R 40-39, (k) R 17-3, (l) V 93-11,
(m) V 81-19, (n) V 82-2; (o) V73-5; $(p) \vee 76-21$. Scale 1:5

POTTERY

a

b

c

d

e

g



MA-1
i


Figure 9. Pottery shapes. Pseudo-Import Jar (cont.): (a) R 20-9, (b) V 76-29, (c) V 48-62, (d) V 48-104. Amphora: $(e)$ V 48-38, $(f) \vee 48-78,(g) \vee 46-18,(h) \vee 46-45$. Miniature Amphora: (i) R 35-1, ( $j$ ) V 93-14, (k) S 8-15. Lid: ( $l$ ) V 48-48, ( $m$ ) R 19-8. Scale 1:5 except $(e)$, ( $f$ ), and ( $h$ ) 1:10


Figure 10. Pottery shapes. Special Purpose Vessel: (a) V $50-6$, (b) $\vee 60-1$, (c) $\vee 60-23$, (d) K $50-19$. Import: (e) R 40-28, ( $f$ ) $\vee 76-5,(g) \vee 76-7,(h) R 29-17,(i) \vee 113-51,(j) R 29-56$,
(k) V 48-79, (l) $\vee$ 48-58. Stand: $(m) \vee 48-44,(n) R 20-42$,
(o) V 76-17, (p) R 38-2. Scale 1:5

## CHAPTER 3

## OBJECTS

## A. STELAE

Approximately one half of a sandstone stela (OIM 21560) was donated to the expedition. The stela had been used as a threshold in a house in the concession. A second fragment (VD 55-1) was found in a tomb, not in the original position. The fragments and their texts are discussed in Chapter 4.

## B. FUNERARY EQUIPMENT

## 1. COFFINS

A substantial proportion of the New Kingdom burials were made in approximately onehundred and fifty coffins. These were, however, so badly destroyed by decomposition and insects that only a few were preserved well enough to photograph. Only one remained sufficiently intact for large fragments to be removed. Otherwise, only wood and plaster faces, fragments of faces, heads, breasts, and a hand could be rescued.

In most cases, evidence that a coffin had been present consisted only of a more or less rectangular area or ridge of debris from decomposed wood surrounding the burial. In some cases, round ends and shoulders or even body parts indicated the coffin was anthropoid, but often even the dimensions could be established only approximately. Both rectangular and anthropoid coffins were used in early Eighteenth Dynasty Nubia, ${ }^{1}$ following Egyptian practice. From the shape of lower parts of the coffins shown in sketches and photographs, it appears that some coffins, presumably anthropoid, were made of dugout palm logs, a common practice in the early Meroitic period. In most cases, however, only the basic outline shape of the coffin could be determined and the decoration remained uncertain.

1. Coffins from the Deir el-Medina eastern cemetery included white anthropoid, rectangular, and rishi coffins; none were of the later dark type. See Bruyère 1937: 147-202, but especially pp. 24-44. For coffins of the same types from tomb T 37, see Camarvon and Carter 1923, pls. LVI-LXIII. The earlier burials in Neferkhawet's tomb have coffins of the earlier types (Hayes 1935: 21-22).

Although remains of a plastered mask were found in a C-Group tomb, ${ }^{2}$ and a number were found at Serra East, ${ }^{3}$ details of such masks were not recovered at Qustul and Adindan. However, a number of solid miniature masks were found that had originally been set into larger objects. They were painted yellow, with black details and white eyes.

Because the fragments were so poorly preserved, only a few details may be noted. The most important coffin, the one of Senisenbu, also called Tibu or Tabi, belongs to a group of black coffins of mid-Eighteenth Dynasty date, as do a few other fragments. ${ }^{4}$ Many of the small plaster masks may be somewhat later. ${ }^{5}$ The following table 7 lists the coffins with details that could be observed or recovered.

Table 7. Coffins with Recorded Features

| Tomb and Object No. | Remarks |
| :--- | :--- |
| R 25-10 | Made of log |
| R 29-9 | Fragments with gold leaf |
| R 33-2 | Face from coffin of burial B |
| R 38-1 | Fragments, decorated |
| R 40-6 | Fragments, decorated |
| R 40-43 | Gold leaf fragments from coffin of burial G |
| R 40-44 | Fragments, decorated and inscribed |
| R 40-68 | Coffin of burial L, inscribed |
| R 45-2 | Coffin of burial I, $1.85 \times 0.36 \times 0.38 \mathrm{~m}$ |
| R 47-1 | Coffin of burial C, $1.83 \times 0.46 \times 0.45 \mathrm{~m}$ |
| R 47-4 | Coffin of burial D, $1.88 \times 0.42 \times 0.42 \mathrm{~m}$; thickness, end 0.04 , side $0.05,2$ |
| R 94-30 | planks side, pine or cedar |
| V 46-20 | Fragment of painted coffin |
| V 47-3 | Coffin of burial W, fragments, with gypsum |
| V 47-14 | Mask from coffin or cartonnage |
| V 48-82 | With decoration |
| V 48-97 | Mask of painted plaster, possibly from coffin of burial S |
| V 48-105 | Coffin of burial T, anthropoid; $2.08 \times 0.68 \mathrm{~m}$ |
| V 48-111 | Coffin of burial V, decorated anthropoid, Senisenbu |
| V 48-112 | Coffin of burial W, uncertain shape, possible red face |
| V 49—1 | Coffin of burial X, anthropoid, yellow face and hands |

2. Williams 1983, pl. 119A.
3. See Vila 1976 for a large body of plastered masks.
4. Two of the later burials in the Neferkhawet tomb, Boki and Ruyu, have dark coffins (Hayes 1935: 2122). See also Daressy 1902, pls. 1-2 (Maherpri). By the time of Kha's tomb (Schiaparelli 1927: 17-31), the type was entirely predominant.
5. For a similar miniature plaster mask, see Vila 1976, fig. 23: 76. Another miniature was found with the plaster mask on the forehead of a burial at Serra East. See Säve-Söderbergh and Troy 1991: 53-57 for wooden coffins and pp. 64-66 for masks. See Williams, forthcoming ${ }^{\text {a }}$, chap. 4.

Table 7. Coffins with Recorded Features (cont.)

| Tomb and Object No. | Remarks |
| :--- | :--- |
| V 50-1 | "Tree-trunk type" |
| V $54-2$ | Rectangular |
| V 55-14 | Coffin of burial H, possibly anthropoid |
| V 55-15 | Coffin of burial I, anthropoid, face kept? |
| V 69-1 | $0.82 \times 0.33 \mathrm{~m}$ |
| V 73-4 | Coffin of burial D, anthropoid?, $1.80 \times 0.37 \mathrm{~m}$ |
| V 74-1 | $1.15 \times 0.28 \mathrm{~m}$ |
| V 76-2 | Mask, plaster |
| V 76-8 | Fragments of coffin with writing |
| V 76-9 | Mask, plaster |
| V 76-20 | Mask |
| V 76-35 | Coffin of burial K, with plaster mask |
| V 83-1 | Coffin of burial A, $1.62 \times ? \mathrm{~m}$ |
| V 83-2 | Coffin of burial B, $1.80 \times 0.40 \mathrm{~m}$ |
| V 83-15 | Coffin of burial C, $1.96 \times 0.43 \mathrm{~m}$ |
| V 83-16 | Coffin of burial D, $2.00 \times 0.44 \mathrm{~m}$ |
| V $113-26$ | Plaster fragments, painted |
| K $50-18$ | Coffin of burial C, red paint |
| S 5-2 | Fragments of decoration from coffin |
| S 8-23 | Cartonnage from coffin |
| S 8-25 | Face of anthropoid coffin |
|  |  |

Following is a list of coffins without special features noted in the burial records. Uppercase letters indicate the burial: R 4B-14 (unc.), R 4B-15 (C), R 4B-16 (D), R 4-E-F, R 33-4-5 (D-E), R 33-10 (B-C), R 35-68 (AE), R 35-106 (AC), R 35-107 (AD), R 35-108 (AB), R 40-79 (A), R 40-80 (B), R 40-81 (C), R 40-82 (D), R 40-83 (E), R 40-84 (F), R 40-85 (G), R 40-86 (H), R 41 (n/a), R 42-1 (C), R 4545 (N), R 63-5, R 75-1 (A), R 75-3 (B), R 75-10 (C), R 75-17 (D), R 76-1 (A), R 76-6 (B), R 79-7 (B-C), V 45-6 (A), V 47-13, V 48-115 (F), V 48-116 (G), V 48-5 (I), V 48-7, V 48-14 (K [I, J]), V 48-15 (L [K-L]), V 48-16 (N [M?]), V 4828 (O), V 48-82 (S?), V 55-A, V 55-D-E, V 55-12 (G), V 56-4 (B?), V 60-31 (N), V 60-32 (O), V 60-33 (P), V 60-34 (Q-S), V 60-35 (T), V 60-36(V), V 6037 (W), V 60-38 (X), V 61-A, V 63-2, V 64-2, V 66-6, V 71-2 (A?), V 71-12 (B), V 72B-5 (A), V 72B-6 (B-C?), V 72B-18 (D), V 72B-24 (F), V 72B-36 (E), V 73-1 (A), V 73-14 (E), V 73-19 (F), V 75-1, V 76-26 (I?), V 76-27 (J), V 791., V 81-13 (A), V 81-14 (B), V 81-20 (C), V 81-21 (D), V 93-4 (A?), V 93-8 (C), V 113-1 (B), V 113-2 (D), V 113-3 (E), V 113-5 (F), V 113-8 (H), V 113-9 (I), V 113-10 (J), V 120-1 (A), V 120-2 (B-C), V 120-3 (D), K 1-4, K 2-9, K 53, K 6-1, K 10-3, K 31-1, K 50-9 (A), K 50-10 (B), K 50-20 (D, unc. traces),

K 65-1-3, S 5-9 (A or bed), S 5-10 (B or bed), S 5-11 (D), S 5-12 (E), S 6-11 (C), S 7-A-B (remains in shaft?), S 8-12-14 (F-H), S 10-1, W 55-8 (or other wood), W 56-5.

## 2. SHAWABTI

One shawabti was found in R 94 (4). ${ }^{6}$ It was made of soft wood, was well shaped, and was painted. The face (found separately), chest, and the left side were preserved as far as the ankle. The shawabti was painted black, apparently over a thin coat of gesso. The face was painted yellow, with black eyes and mouth; there was a small vertical stroke of red below the chin. The broad collar was also yellow, with black lines indicating strings of beads. The hoe and possibly part of a basket were indicated in red on the right side of the chest. A simple band outlined in yellow was curved below the left arm and there was also a vertical tape. Five bands of a very fragmentary and indistinct inscription in yellow can be seen on the side and back. Although this was the only shawabti in the material, others may have been damaged by termites so severely that they were not recognized.

## C. FURNITURE

## 1. HEADRESTS

Wooden objects other than coffins and kohl tubes included fragments of headrests and a staff(?) (sharpened wooden shaft, V 48-73).

Three headrests came from tomb R 94 (22-25, 28; two recorded as separate parts), and the bottom of a headrest was found in S 7 (15). The bases and tops were preserved, but not the tenons that held them together. However, a peg from V 48 (73) may have been used to fasten a tenon to a headrest or other piece of furniture (also possibly R 94-2 or 8).

The headrests are typical of the early New Kingdom. The top, stem, and base are smoothly articulated without abrupt transitions; both the top and base have evenly rounded ends. The base is wider than the top, but not nearly as wide as the earlier Kerma headrest. The stem and transitions are fluted, with eight sides, the ribs splayed with the stem. ${ }^{7}$

Although the proportions of the headrests found in Asasif Tomb 37 or the eastern cemetery at Deir el-Medina ${ }^{8}$ were similar to those from R 94, the facets were not fluted. The headrest from the tomb of "Maket" is also faceted rather than fluted. ${ }^{9}$ The later headrest from the tomb of Kha, however, is fluted. ${ }^{10}$ These headrests must therefore be

[^10]dated later than the time of Thutmose III, although the evidence does not preclude a date in a later reign before the Amarna period; they may well be contemporary with Kha's burial.

The headrests were the only definite articles of furniture (apart from the inlays) recovered. Remains of a bed from V 46 (6) belonged to the Napatan period, and "furniture legs" from S 5 (1) were discarded. These objects were found with definite coffins (indicated by the sketch) and may have been deteriorated coffin parts. Other fragments of wood that may not have been parts of coffins were R 35-67, R 94- 2 , R 94-8, and V 48-13.

## 2. IVORY INLAYS

Remains of ivory inlays, probably from a small wooden box, were found in R 19 (7). Nine pieces of ivory were recovered, three with the entire dimensions (ca. $7.6 \times 1.4 \times 0.2$ $\mathrm{cm})$ preserved. The inlays were decorated with very irregular rows of nested dots and circles made with a drill. One inlay had two rows of eight, and another, rows of thirteen; one had three rows. ${ }^{11}$

## D. COSMETIC CONTAINERS

## 1. KOHL TUBES

During the first half of the Eighteenth Dynasty, a tube of wood or other material was introduced to hold kohl and gradually replaced the stone jars that had been common in earlier times. ${ }^{12}$ A stoppered reed was found in tomb 37 at Thebes, in a chamber sealed by Thutmose I. ${ }^{13}$ A more elaborate triple tube closed by a rotating trilobate lid was found in a coffin in the main chamber. ${ }^{14}$ A similar vessel with two lobes, one closed by the kohl stick, was found in Deir el-Medina T 1389, ${ }^{15}$ and another tomb contained three single tubes that were only stoppered. ${ }^{16}$ The tomb of Maket contained a columnar tube in addition to several small kohl jars. ${ }^{17}$ All of these contexts contained many more kohl jars than tubes. ${ }^{18}$ No kohl
11. Although inlays of this type occur earlier, they continued to be used in the New Kingdom. See Petrie 1908, pl. XIID: 411; Firth 1927, pl. 26c; and Emery and Kirwan 1935, fig. 227, 189:49-1. They resemble bone "counters" (Brunton and Engelbach 1927, pl. XXI, no. 95). See Säve-Söderbergh and Troy 1991: 165.
12. For early kohl tubes, see Bruyère 1937: 81-82, fig. 40; cosmetic jars still predominated (fig. 41 ). In this series, the word "kohl" is used to designate any of the black pigments found in cosmetic jars and tubes. The findings of Lucas and Harris (1962: 80-83) indicate that most pigments of this sort were galena, an identification supported by studies of samples from the present material done by the courtesy of McCrone Associates. However, a variety of other materials were used. See also Säve-Söderbergh and Troy 1991: 159-60.
13. For the early use of a reed, see Camarvon and Carter 1912: 84, no. 71 (Thutmose I).
14. For a triple tube, see Carnarvon and Carter 1912, pl. LXIX: 1.
15. Bruyère 1937, fig. 40.
16. Bruyère 1937: 81, tomb 1370.
17. Petrie 1891, pl. XXVII: 9.
18. See, for example, Bruyère 1937, fig. 41.
jars were found in Kha's tomb, but there was a rectangular kohl box with a sliding lid and stick, mounted in matching holes to act as a bolt; there was also a glass columnar kohl tube. ${ }^{19}$ Numerous stoppered reeds were also found in the tomb. ${ }^{20}$

One kohl tube from Qustul was made by cutting a hard, heavy wood so that the horizontal section was that of a $t s$ sign and the vertical profile was rectangular (V 7612). ${ }^{21}$ The lid was carved from a flat piece of ivory about 0.5 cm thick, fixed to the tube at one end by a wooden peg, and closed at the other by a kohl stick fitted through matching holes in the body and lid. Its design is quite different from either the kohl box of Kha or the earlier tubes. One container (V 48-110) was rectangular and was bored with two tubular holes; the lid was pivoted in the middle of the long side to allow one receptacle to be opened at a time turning on a long, engraved pin. ${ }^{22}$ Opposite the bolt was a deep groove splayed inward to secure the stick. Although the groups used as chronological standards for this volume did not contain vessels of exactly these types, the present contexts indicate a date in the later Eighteenth Dynasty. In addition to these objects, some fragments and deteriorated pieces were recorded: R 35-50, 73, and R 45-17.

## 2. STONE VESSELS

Eight major types of stone vessel were present, all types that are well documented in New Kingdom contexts. Table 8 provides a system of classification for the stone vessels, most of which were made of the calcite, usually called "Egyptian alabaster." Calcite is assumed as the material of manufacture in the discussions and registers that follow unless otherwise indicated (material is not indicated in table 8).

Most of the stone vessels were squat, broad-lipped kohl jars (type II) of types current in the Second Intermediate Period and the early New Kingdom. The vessel was made and used for several centuries, undergoing a number of modifications that provided the framework for the classification. In the Middle Kingdom, the rim was made separately as a collar with a vertically beveled edge set onto the neck of the vessel. ${ }^{23}$ Later, the vessel and the rim were made as one piece, but with a deep groove that separated the rim from the body, preserving the old separation. The edge was beveled at an acute angle. ${ }^{24}$ By the Second Intermediate Period, the sharp distinction between rim and neck was changed to a relatively smooth transition, ${ }^{25}$ although some jars, possibly copies or reused earlier pieces, still have the deep groove. In addition, a taller form appeared that became important in the
19. Schiaparelli 1927, fig. 43.
20. Schiaparelli 1927, figs. 92 and 43.
21. For identification of wood used for Meroitic tubes, see Williams 1991a: 152-55.
22. See Steindorff 1937, pl. 60:5-8, for multiple kohl tubes in Nubia.
23. See, for example, Engelbach 1915, pl. XIII: S7, S9, S10, S19, and S21. See Säve-Söderbergh and Troy 1991: 150-59 for an alternative classification.
24. See, for example, Engelbach 1923, pl. XLVII: 34-36; and Winlock 1934, figs. 5: 34 (Dahshur), pl. XVI A (el-Lahun).
25. Reisner 1923 IV-V, fig. 163: 9, 10, 12.

New Kingdom. ${ }^{26}$ As noted above, the kohl jar was common through the early Eighteenth Dynasty. ${ }^{27}$

The kohl jar was the most common stone vessel, but the cylinder jar (type I) had a far longer career, spanning all of Egypt's major periods. ${ }^{28}$ The one vessel of this type found in the present material was relatively broad, with a rib rim, and side tapered directly to the base. Similar vessels were found in the groups at Deir el-Medina dated to the reigns of Hatshepsut and Thutmose III. ${ }^{29}$

Tapered baggy vessels with convex or flat bottoms, restricted necks, and flared or outward bent rims (type IV), also occur in early Eighteenth Dynasty contexts, such as the tomb of Ahmose Nefertari ${ }^{30}$ or the eastern cemetery at Deir el-Medina. ${ }^{31}$

Two well-made vessels may be modifications of the situla jar (type VIB). They have tall, tapered bodies, a carination at the bottom, and convex bases. The necks flare slightly from a groove that marks the shoulder. The rim is turned sharply outward with a flat upper surface. Two carved loops provide anchors for suspension, probably by means of a metal handle. This jar appears with a narrower cylindrical neck in both stone and metal in the tomb of Kha. ${ }^{32}$

A one-handled jug has a cylindrical neck of medium length and a flat rim; originally, a handle curved slightly outward from the shoulder (type VII). A vessel of this kind was found in the tomb of Maherpri, but it had a taller neck and the handle rose vertically from the shoulder. ${ }^{33}$

A globular jar has a cylindrical neck, a flat rim and a low disc base (type V).

## Table 8. Classification of Stone Vessels

I. Broad cylinder jar with rib rim, flared base: V 72B-16
II. "Kohl jar"
A. Tall jar

1. Rim profile concave, bottom rim marked by a line and rim set out from neck
a. Broad: R 35—22
b. Narrow
i. Shoulder rounded: R 45-42
ii. Shoulder angular: R 40-57, R 29-53
2. Ibid., fig. 163: 6, fig. 164: $27,32$.
3. Bruyère 1937, fig. 41, and pp. 82-84; Carnarvon and Carter 1912: 70-88, various; Hayes 1935, fig. 13.
4. Reisner 1923 IV-V, p. 62, fig. 161; for an early New Kingdom example with a splayed base, see Hayes 1935, fig. 13, lower right.
5. Bruyère 1937, fig. 41; for later examples with splayed bases, see Quibell 1908, pl. XXV.
6. Carter 1916, pl. XXII: 1-4; for later examples, see Quibell 1908, pl. XXV, and Schiaparelli 1927, fig. 120.
7. Bruyère 1937, fig. 41.
8. Schiaparelli 1927, figs. 90 (left) and 158.
9. Daressy 1902, pl. IV: 24008; for later types, see Quibell 1908, pl. XXVI: 51105.

## Table 8. Classification of Stone Vessels (cont.)

II. "Kohl jar" (cont.)
A. Tall jar (cont.)
2. Rim profile concave, bottom same as top of neck: $\mathrm{R} 20-21$ (pl. 39f)
a. Shoulder rounded: V 83-11 (pl. 39k), V 47-2 (pl. 391)
b. Shoulder angular: R 40-25, V 73-6 (pl. 39n)
3. Rim profile angular but deep: $\mathrm{R} 20-14$
a. Shoulder rounded: V 92-9
b. Shoulder angular: V 113-25
4. Rim profile angular and shallow
a. Shoulder rounded: R 56-4 (pl. 39r), V 72B-15 (pl. 39u), V 73-18, V 83-17 (pl. 39j), K 21-1 (fig. 182)
b. Shoulder angular (high): R 29—19 (pl. 39q)
5. Rim profile angular and shallow, rim beveled: V76-11 (5/6) (pl. 39t)
6. Minimum profile (rounded): S 7—9
7. Rim missing, unc., "granite": V 60-17
B. Short jar

1. Rim sharply defined; deep groove separate from neck: K 31-4
2. Rim profile concave, bottom rim marked by a line and rim set out from neck
a. Rounded shoulder: R 46-7 pottery
b. Angular shoulder: V 75-5, V 92-12
3. Rim profile concave, bottom same as top of neck
a. Rounded shoulder: R 29-20, V 72B-8 (pl. 39p), V 76-1 (pl. 39m), K 18-2 (fig. 180), K 50-16 "marble"
b. Angular shoulder: R 20-20 (pl. 39e), R $29-10,14$, R $35-12,57$, R 76-7, R 79-8, V 50-5
4. Rim profile angular but deep
a. Rounded shoulder: K 10-2 (fig. 178)
b. Angular shoulder: V 81-3
5. Rib-like rim: V 71-6 (pl. 39o), V 50-6 altered
6. Unc. rim broken and beveled: R 45-20 rim missing, R 84-2 (pl. 39d), R 33-8, V 93-9
7. Unc. kohl jars: R 19-3, R 29-50, R 29-58, R 84-32, V 47-2 (pl. 391), V 93-6 (pl. 39s)
III. Tall jar with a body that tapers directly to the base, angular rim: V $81-22$ (pl. 39b), K $50-7$ ("marble")
IV. Bag-shaped jar with flat base and flared rim: V 48-102 (pl. 38c)
V. Globular jar with disc base, cylindrical neck, flat broad rim: V 48-99 (pl. 38d)
VI. Situla ${ }^{34}$
A. Low, flared neck, rounded to flat base, interior simply bored: V 72B-33 (pl. 38b)
B. Tall, narrow cylindrical neck, angled to flat rim, suspension handles, taper to angle, slightly convex base: V 48-81 (pl. 38h), V 48-84 (pl. 38g)
VII. Handled jar with a cylindrical neck, flat rim, piriform body and ring base. Plastic decoration on handle and at join of handle and neck: V 48-83 (pl. 38f)
VIII. Flared-neck jar: R 45-5 (pl. 39a), V 48-80 (pl. 38e)
8. The handle is missing; for a metal handle attached to such a vessel, see Schiaparelli 1927: 110, fig. 90, left.

Table 8. Classification of Stone Vessels (cont.)

## IX. Miniature pomegranate

X. Other stone vessels: R 19-3 (stone vessel fragment), R 45-39 (stone jar, "prehistoric") (pl. 39c), K 21-1 (stone jar with part of stick) (pl. 39i), S 7-16 (stone vessel rim fragments)

## E. OTHER COSMETIC IMPLEMENTS

## 1. APPLICATORS OR KOHL STICKS

Cosmetic applicators or kohl sticks were often found with the kohl jars. They consist of short rods of wood, copper, or hematite tapered from a bulb at one end, ca. $0.7 \times 0.6 \mathrm{~cm}$. The following applicators are wood except where specified: V 73-6, R 20-46, R 76-8 (hematite), R 91-2, V 48-12?, V 48-25, V 48-96, V 48-110, V 54-8, V 76-12 (copper), K 21-1, S 8-11 (metal).

## 2. TWEEZERS

One of the characteristic objects of Egyptian type found in Nubia is tweezers. The pairs in the present material are made of strips of sheet bronze or copper bent into a U , a shape characteristic of the earlier New Kingdom. The shape found later was recurved at the back with a constriction just below. ${ }^{35}$ In most cases, tweezers are bent rectangular strips of metal less than a millimeter thick, but one pair ( $\mathrm{R} 46-8$ ) has splayed ends. This pair is about 7.5 cm in length. The others (R 20-16, R 29-51, R 46-7b, R 79-9, V 60-26) vary from approximately 3.0 to 4.0 cm in length.

## 3. MIRRORS

One of the most characteristic of Egyptian grave-goods is the mirror. This object already had a religious significance by the end of the Old Kingdom when the handle was given a papyriform shape. This significance was confirmed in the First Intermediate Period when deity standards were used as the handles. Later, a Hathor head was placed below the papyrus umbel and Second Intermediate Period mirrors, especially at Kerma, often have falcons flanking the disc; ${ }^{36}$ even lotiform handles are found. ${ }^{37}$ In the New Kingdom, the Hathor heads were often replaced by a complete feminine figure. ${ }^{38}$ The disc of the mirror is
35. For earlier tweezers, see Reisner 1923 IV-V, pp. 186-87, tweezers; by the time of $T$ 37, the form with rectangular section was developed (Carnarvon and Carter 1912, pl. LXV: 1); larger, recurved tweezers were used at Amarna, but simple U-shape types continued (Pendlebury 1951, pl. LXXIX: 3, 11b, 149, and 162). See Säve-Söderbergh and Troy 1991: 163.
36. For the early development of mirror-handles, see Lilyquist 1979: 57-63.
37. Ibid., figs. $36,53$.
38. Feminiform mirrors are well known and are found in many collections but have only very rarely been found in context. Two were found at Aniba (Steindorff 1937, pl. LXII: 3 and 5) and two at Buhen (Randall-Maciver and Woolley 1911, pl. 62: 10311 and 10312). In Egypt, they have been found at
a visual metaphor for the sun, shown in the New Kingdom as a horizontally elongated ovaloid-the rising sun rather than the circular disc of noon.

Of the four mirrors found at Qustul in the New Kingdom, two are of special interest. One is a simple heavy plate (V72B-22, dated to the early Eighteenth Dynasty), and a second has a papyriform handle with two ribs below the papyrus umbel, but no other decoration (R 20-22, dated roughly between Thutmose III and Amenhotep II).

One mirror has the pair of falcons found on mirrors at Kerma. ${ }^{39}$ The disc has a modified "cordiform" shape, while the handle, now badly worn, was made in imitation of four braids. The top of the handle is papyriform, supporting a pair of falcons which flank the disc (R 40-66 [pl. 44], dated approximately to the age of Thutmose III). The type appears late at Kerma, and the tomb where this example was found is probably less than two generations after Kerma tumulus K III.

The fourth mirror (V 48-52 [pls. 40-43], dated to the age of Amenhotep III) is the major masterpiece of the New Kingdom collection. It has in fact been called "perhaps the most graceful object ever to come out of Nubia. ${ }^{40}{ }^{40}$ If this characterization is possibly exaggerated, the mirror is certainly the best of its kind.

The disc of the mirror is somewhat more circular than the first two described, although it is still two centimeters wider than high. The handle, as normally, is fastened by a single rivet and is in the form of a nude young woman holding a papyrus umbel on her head and supporting it with her hands. By analogy with many other mirrors that show only the goddess' face, this female figure should be identified as Hathor. The umbel is elongated and attenuated. Springing directly from the head, it curves outward gradually until it droops more abruptly near the tips.

The attenuated papyrus umbel, complements the slender form of the female figure. The body and limbs are proportionally more elongated than even a very slight and youthful natural figure. Details of the appendages that would detract from the longitudinal flow, such as elbows, knees and wrists, are not marked by any line or sharp corner. Within the torso, however, the navel and two dimples above the buttocks are clearly marked. The toes and fingers are modeled and the fingernails are shown. Around the hips is a girdle, shown with small cowries attached. The goddess wears a collar with three bands of vertical beads. Her coiffure is divided in the middle and continues to two upward-curled tresses behind the back, held together by a band just below the nape of the neck. The hair is divided into bands filled by herringbones in front and Xs in back. Her ears, the outer ridges of which are shown by a line, are pierced and her eyes, shown with brows and lids, have the usual line

[^11]39. Reisner 1923 IV-V, pl. 48: 1, pp. 178-80. With felines, presumably lions, see Steindorff 1935, pl. 69: N857, also Firth 1915, pl. 37c: 4.
40. Seele 1974: 16.
extending from the outer corner. The nose is clearly marked and the mouth is turned upward slightly at the corners. The figure stands on a small trapezoidal platform.

Apart from the uniquely high quality of the mirror from Qustul, it shares most of the features of pose and attribute with other feminiform mirrors. However, no two of them appear to be alike, and they must have been cast by the lost-wax process as individual works. Their close association with Nubia is underscored by the occurrence of a wooden feminiform mirror-handle in C-Group at Aniba ${ }^{41}$ and a wooden lotiform handle in early C Group at Serra. ${ }^{42}$

## 4. RAZORS

Apart from simple probes, the two major kinds of cosmetic implement were the razor and the so-called cutting-out knife or trimmer. Six razors of three different types were found by the Oriental Institute Nubian Expedition, three of them relatively early.

The first type of razor at Qustul was developed from the compound razor of the Second Intermediate Period as found at Kerma, ${ }^{43}$ The typical Kerma razor was made in two pieces; a broad trapezoidal blade with a rounded triangular lobe projecting upward was attached to a narrow plate that ended in a tang. ${ }^{44}$ Part of a compound razor of this type was found at Qustul in R 40 (58), modified so that the shape resembled an ax blade, with concave upper and lower edges that splayed to the back. Only the blade was preserved, and the projection on the upper edge was almost worn away.

During this period, single-piece razors were also made with blades in the ax-like shape combined with the tanged plate into a single piece. This type was confined to the late Second Intermediate Period and the early Eighteenth Dynasty. ${ }^{45}$ Two blades of this type were found (K 31-3 and V 72B-4).

A new kind of razor was developed in the early Eighteenth Dynasty that combined a transverse blade and a long curved handle that ended in a knob. ${ }^{46}$ The forward part of the instrument was ax-shaped, with a convex edge and inward-curved sides. Separated by two peaks on opposite sides of the blade, the back curved downward to a point, with one outward- and one inward-curved edge. The handle was attached at the lower peak and curved forward. In its earlier form (R 40-8), the razor was long, often rather narrow, and
41. This is shaped like a local figurine; see Steindorff 1935, pl. 75: 8; compare various figurines on pls. 71-72.
42. Williams, forthcoming ${ }^{\text {a }}$, fig. 69b. See Lilyquist 1979, figs. 36 and 53; and Steindorff 1935, pl. 75: 9-11; compare Reisner 1923 I-III, pl. 18: 2 (capitals).
43. For types of razors, see Reisner 1923 IV-V, pp. 181-82. See Säve-Söderbergh and Troy 1991: 161-62.
44. Ibid. The characteristic Kerma razor Type I was derived in turn from the Middle Kingdom razor which was a long flat plate with a tang on one end and a curved projection on one side near the tip (see remarks by Winlock 1934: 64-66).
45. See, for example, Reisner 1923 IV-V, pl. 49, top row, third from right; Randall-MacIver and Woolley 1911, pl. 63: 10325A.
46. Hayes 1935, fig. 10 (burial of Amenemhet); Bruyère 1937, figs. 37-38.
the pointed tip often extended beyond the upper edge of the piece. Later, the upper edges were made almost transverse, obliterating the sharp peak, and the convex edge of the back became almost a straight line. Two razors in the collection (R 35-49 and 102) are intermediate between these two types. ${ }^{47}$

## 5. CUTTING-OUT KNIVES OR TRIMMERS

Two "cutting-out" knives or trimmers were found (R 35-97 and V 48-24). These utensils have a long, narrow shank with a small, tapered, pointed knife blade at one end. This blade has a sharpened notch at the base. The chisel-like foot of the shank was also splayed slightly and sharpened. Early types at Kerma with slightly angled edges and shallow notches were refined by the early Eighteenth Dynasty to have a deep notch and narrow knife-edge. ${ }^{48}$ One of the two found at Qustul was probably of this shape (V 48-24), but its shape appears to have been changed by repeated sharpening. Development of this implement continued so that by the later Eighteenth Dynasty ${ }^{49}$ the knife edge could be curved beyond the shank and the notch was considerably more prominent. The second implement from Qustul (R 35-97) was intermediate between the early and late Eighteenth Dynasty types.

## F. OTHER IMPLEMENTS OR WEAPONS

1. AX

A simple ax-head of normal New Kingdom type consists of a slightly convex plate with a straight back at a slight angle to the main axis of the blade (R 29-15). ${ }^{50}$

## 2. OTHER METAL IMPLEMENTS

Other copper implements included well-made copper or bronze awls or probes from R $35(98,99),{ }^{51}$ a fishhook from R $29(28)$, and a needle from K $31(6)$. The needle from K 31 has a small, almost circular hole near the blunt end. Uncertain objects or implements include R 35-17, V 76-25 (hollow cylindrical object [= handle?]), and S 8-28.
47. Compare the razor in the previous note with Schiaparelli 1927, fig. 40, and Frankfort and Pendlebury 1933, pl. XXXIV: 1. The differences are relatively slight.
48. Hayes 1935, fig. 10 (burial of Amenemhet).
49. Schiaparelli 1927, figs. 40 (later types, one worn; lower left and right) and 79 (lower right, earlier type). For the occurrence of both types in Nubia, see Steindorff 1937, pl. 64: 8-11, for example.
50. See Steindorff 1937, pl. 64: 4-5. Axes from Amarna have a broadly-splayed back (Frankfort and Pendlebury 1933, pl. XXXIII: 4).
51. Schiaparelli 1927: 105, fig. 79, lower center.

## G. METAL VESSELS

## 1. BOWLS

Most of the metal vessels from Qustul belonged to shapes well known in the early New Kingdom. ${ }^{52}$ Three of the eight vessels were simple convex bowls, ranging in diameter from just under fifteen to just over twenty-one centimeters and from five to six centimeters in depth (V 48-22, 107, 108). The rims are simple, without special treatment, although that of V 48-22 was hammered inward slightly; V 48-49 has a slightly concave base.

Two bowls had handles (V $48-54$ and 106). The larger was of the same basic convex design as the simple bowls, but larger, $31.5 \times 10.0 \mathrm{~cm}$. The base was hammered out to produce a flattened discoid that resembled the low ring bases common in pottery. The rim was triangular, made by bending the metal slightly upward, then sharply down and inward, the seam was either soldered or annealed. The handle was a rod tapered at both ends and bent through two projecting loops. These loops were soldered or annealed to a pair of hands shaped like the hieroglyph for the letter "d," each of which was attached to the bowl by two rivets and a clamp formed by a projection on the upper edge (fig. 107b, pl. 46).

The second handled bowl was deeper (V 48-106). It has tapered, almost vertical sides that splay to a convex bottom. The top of the rim was beveled by hammering. The handle is a rectangular plate of metal with a projection on its upper edge that was riveted to the bowl. The projection was then bent over into a cup handle (fig. 107a, pl. 46).
2. STAND

One stand has the graceful concave profile of the typical New Kingdom pottery stand (V 48-51). The upper rim was formed by bending the metal upward then sharply down, leaving a flange at right angles to the direction of the metal. The lower edge was formed in the same manner as the rim of the large handled bowl.

## 3. PITCHER

By far the most remarkable vessel in the collection was a pitcher with a false basestand (V 48-50). This vessel has a piriform body, upraised spout and a handle that was riveted to the back of the spout and the body of the vessel. The base is shaped like a ring stand, but it is actually part of the vessel and is only slightly concave at the bottom. The rim itself was originally a broad round plate flaring out at right angles to the neck, two edges opposite the handle attachment at angles to one another were bent upward to make the spout. However, the shape of the rim was altered and the spout now has a high, curved profile. Like the spout, the handle is now bent from its original position.

[^12]Vessels of this kind are not precisely paralleled in Egyptian material. One jar with attached stand did come from the so-called tomb of Neferkhawet (burial of Amenemhat, later than the main burials), on a vessel that clearly is the counterpart of a pottery vessel. ${ }^{53}$ The handled jug and the manner of joining with the base is not often found in Egypt, however, except in representations of vessels brought as tribute. While it might be appropriate to deal with Aegean parallels for the spout and the base, the vessel is more probably an adaptation of the kind seen stylized in Egyptian depictions of foreign tribute. ${ }^{54}$ The oddly bent handle in the present instance is far too long to have originally made a simple curve to the rim; rather it seems more likely to have curved well above the rim as the volute that is such a characteristic feature of Minoan vase design. There is no reason to suppose that this vessel was actually imported from the Aegean, but an Aegean vessel was found at Aniba. ${ }^{55}$

## H. SINGLE PIECE JEWELRY

A number of jewelry objects were made from a single piece of raw material. These included simple metal rings, ivory bracelets or armlets, and hair rings/earrings. A catalog of single piece jewelry is given in table 9.

## 1. BRACELETS

The bone and ivory bracelets included two items of special interest: a very large bracelet about $10.8 \times 0.7 \mathrm{~cm}$ (thickness) from V 63 (1) and a set of five bracelets from the arms of a young girl in V 69 (2). Three of the later were painted with red radial lines.

## 2. HAIR RINGS/EARRINGS

One hair ring/earring consists of a spiral metal wire, but most of these types of objects are penannular rings of bone, metal, or stone.

Although simple penannular hair rings/earrings may have appeared during the Middle Kingdom in Egypt, the earliest well-documented examples came from the late Second Intermediate Period and the New Kingdom. ${ }^{56}$ Made of bone or stone but rarely metal, the earlier examples are relatively small, heavy rings with a round or oval section, a hole about 5 or 6 mm in diameter, and a very narrow slot. ${ }^{57}$ Bone and stone rings were soon made more massive with a nearly triangular section although the hole and slot did not
53. See Chapter 2, CJ-10, generally red burnished; Hayes 1935, fig. 16, right, in addition, Hayes refers to two bronze pitchers ( $p$. 32) but does not illustrate them.
54. See, for example, Davies 1943, pl. XVIII, above center for the bases, and pl. XIX, above center for the pitcher and above left for the handle.
55. Steindorff 1937, pl. 89.
56. For a brief discussion, see Reisner 1923 IV-V, p. 281; for rings comparable to hair rings/earrings, see pl. 44: 1, no. 18. See Säve-Söderbergh and Troy 1991: 137-38.
57. For example, Engelbach 1915, pl. XVI: 7.
increase in size. Occasionally, the edge formed at the apex of the triangular section was decorated with incision or beading. Metal hair rings remained round in section, but a new form that had a hollow core and occasionally had locking tabs was developed. Some of the hollow gold hair rings/earrings were very large.

Table 9. Single Piece Jewelry

## HAIR RINGS/EARRINGS

| R 19-5 | Hair ring/earring, silver wire in three coils |  |
| :--- | :--- | ---: |
| R 29-27 | Hair rings/earrings, gold | fig. 29i, pl. 47b |
| R 32-10 | Hair rings/earrings, two silver wire spiral coils |  |
| R 35-16 | Hair ring/earring, red jasper | fig. 41c (left) |
| R 35-46 | Hair rings/earrings, carnelian | fig. 41c |
| R 35-47 | Hair rings/earrings, carnelian | fig. 41c |
| R 45-12f | Two coils of silver (earrings ?) |  |
| R 79-11 | Hair ring/earring? of copper |  |
| R 94-1 | Hair ring/earring, carnelian |  |
| R 94-14 | Hair rings/earrings, bone (2) |  |
| R 94-15 | Hair rings/earrings, copper (2) |  |
| R 94-16 | Hair rings/earrings, one bone, one limestone | fig. 89b (2 left) |
| R 94-19 | Hair ring/earring, bone |  |
| V 46-17 | Hair rings/earrings, one carnelian, two jasper | fig. 94b |
| V 46-28 | Hair rings/earrings, two jasper | pl. 47a |
| V 46-43 | Hair ring/earring, carnelian |  |
| S 8-8-10 | Hair rings/earrings, bone |  |
| S 8-32b | Hair ring/earring, bone (or ring) |  |

RINGS
R 35-44 Ring, faience
R 94-5 Ring, bronze
V 48-26 Rings, bone (2)
V 48-32 Ring, copper or bronze
S 8-32b Ring, bone (or hair ring/earring)
S 8-33-35 Rings, bone (3)

BRACELETS
R 41-3 Bracelet of beads
V 46-68 Bracelets, horn, three ("child's")
V 63-1 Bracelet, ivory, very large
V 69-2 Bracelets, ivory
fig. $132 b$

## I. GLYPTIC

Seal amulets-scarabs, plaques and cowroids-make up the largest group of individual objects in the collection after pottery (see figs. 11-16, pp. 112-17). Although the presentation of such a large group of objects might warrant a substantial analytical discussion, the number and variety of scarabs, cowroids, plaques, and other seal types is small compared to the total body of New Kingdom glyptic. Moreover, glyptic is not documented in the present work by substituting one object for another; virtually the entire series is presented in drawing and/or photograph. Only a brief list of the engraved subjects on the faces is given below (table 10), leaving the task of classifying New Kingdom glyptic to others. ${ }^{58}$ The glyptic in this collection ranges in date from the Second Intermediate Period to the late New Kingdom, but most contexts date to the first half of the Eighteenth Dynasty. Objects of this type were frequently reused and imitated, including those with royal names, so it is difficult to establish a date ${ }^{59}$ for them, with the possible exception of a few fine pieces that can be compared with scarabs from dated foundation deposits. ${ }^{60}$

Despite reuse and imitation, the subjects and style of glyptic changed, sometimes rapidly, and change is particularly apparent when large groups are compared. ${ }^{61}$ However, the reuse and imitation of objects necessarily restrict the use of glyptic in chronological argument.

The following outline is a breakdown of designs on the faces of the scarabs, plaques, and cowroids according to subject.

Table 10. Scarabs and Other Glyptic

## ROYAL NAME

Senwosret I
V 72B-23: Scarab, blue glazed steatite
$h p r-k 3-r^{c}$, with other smaller signs, double-rope border
Nubkheperre ${ }^{〔}$ Inyotef
R 35-78: Scarab, blue glazed steatite
fig. 12b
$n s w$-bity nwb-hpr-r〔, flanked by uraei, rope border
Amenhotep I
V 48-1: Scarab, blue glazed steatite
$d s r-k s-r^{c}$
See also Representations, with Human Bodies (below)
58. See Hornung and Staehelin 1976 and Säve-Söderbergh and Troy 1991: 89-104.
59. The problem can be illustrated by the recurrence of New Kingdom royal names (Williams 1990b, fig. 10) and even earlier names and designs in later contexts (fig. 29) as late as the Meroitic period (Williams 1991a, chap. 2).
60. For example, scarabs from deposits of Hatshepsut (Hayes 1959, fig. 48).
61. O'Connor 1985: 1-41.

Table 10．Scarabs and other Glyptic（cont．）

## ROYAL NAME（cont．）

## Amenhotep I（cont．）

K 31－10：Plaque，blue glazed steatite fig． 16 g
Obverse：Imn－htp
Reverse：$h m(. t)$－ntr＇$n h[n f r t]$－iry？

K 31－12：Scarab，blue glazed steatite fig． $16 i$ dsr－ks－rc

Hatshepsut
V 83－10：Scarab，blue glazed steatite
fig．15k
$n t r-n f r n b h p r[w] m 3^{\top} t-k s^{\prime}-r^{\prime}$
Hatshepsut and Thutmose III
V 60－28：Scarab，steatite fig． 14 f
Obverse：ntr nfr mn－hpr－r ${ }^{\text {c }}$
Reverse：wsd（．t）rnp（．wt）m3＇t－ks－r＇

## Thutmose III

R 33－6：Scarab，blue／green glazed steatite
fig． 110
$m n-h p r-r^{<}$in cartouche，atop gold（ $n b w$ ）sign，with S－scrolls and nfr
R 35－3：Scarab，blue glazed steatite
fig． 11 r
$m n-h p r-r^{〔}$ ，falcon，scorpion，uraeus
R 40－7：Plaque，blue glazed steatite
fig．12c
Obverse：$m n-h p r-r^{\prime}$ flanked by $m 3^{〔} t$ feathers and uraei
Reverse：mn－hpr－r＇tit imn
R 75－7：Scarab，blue glazed steatite
fig． 12 k
$m n-h p r-r^{\prime} h k 3$ w $3 s t n b-h p s{ }^{2} m r(y)-i m n r^{`}$
R 84－10：Scarab
mn－hpr－r＇
R 94－27：Scarab，blue glazed steatite
fig． $12 n$
$m n-h p r-r^{\prime} h^{\prime} m$ shm $=f n f r$
V 46－42：Scarab，blue glazed steatite
fig． 13 h
ntr－nfr nb tswy mn－hpr－r‘ h＇nht nsw
V 46－67：Plaque，oval faience
fig． $13 i$
ntr－nfr mn－hpr－r ${ }^{\varsigma}$ ，heiracosphinx
See also Representations，Animal Bodies（below）
V 48－30：Scarab，steatite
fig．13q
$m n-h p r-r^{c}$ ，with four gold（ $n b w$ ）signs？
V 55－13：Plaque，steatite
fig．14c
$m n-h p r-r^{〔}$ ，sphinx tramples enemy，$\left.n t r-{ }^{-}\right\}$above back（cf．Jaeger 1982，fig．167），
$h k 3$ scepter behind sphinx（cf．Giveon 1985：101，L．976）

Table 10. Scarabs and other Glyptic (cont.)
ROYAL NAME (cont.)
Thutmose III (cont.)
V 60-30: Scarab, blue glazed steatite ..... fig. 14h
ntr-nfr $m n$-hpr-rć, flanked by three pairs of uraei
V 97-15: Plaque, oval, faience ..... fig. 150
Obverse: $m n-h p r-r^{c}$
Reverse: $i m n-r^{\wedge} n b p[t]$ (?), flanked by two $m s^{\prime} t$ feathers and two $n b$ signs
Amenhotep III
V 54-6: Plaque, blue glazed steatite ..... fig. 14d
Obverse: $n b-m^{4}{ }^{q}-r^{c}$ Reverse: imn-htp hkswst
V 60-21: Scarab, blue glazed steatite ..... fig. 14b
$n b-m^{\prime}{ }^{\text {t-r }}$ '
Ramesses II
V 46-30: Scarab, steatite ..... fig. 13b
nb tswy wsr-m' ${ }^{\prime}-r^{\prime}$ stp-n- $r^{\text {c. flanked by uraei, left with Red Crown, }}$ right with White Crown; šn signs hooked on tails
V 46-36: Scarab ..... fig. 13e
ntr nfr nb tswy wsr-m3' $t-r^{\prime}$ stp-n-r' mry-pth
DIVINE NAME
R 17-4: Scarab, faience ..... fig. 11dimn 'nh (? or read mry imn-r)
V 50-4: Scarab, blue glazed steatite ..... fig. 14aimn-r ${ }^{\text {c }}$
V 60-29: Plaque, blue faience ..... fig. 14e
Obverse: ${ }^{n} h=s<-n>-\operatorname{imn}$ (?)
Reverse: two seated lions
V 113-7: Plaque, blue glazed faience ..... fig. 15 q
Obverse: falcon, protecting signs (garbled from $m n-h p r-r$ c $[?]$, see Jaeger 1982, sect. 315, pp. 76-77)
Reverse: imn- ${ }^{〔}$, flanked by $n b$ signs
PRIVATE NAMES AND INSCRIPTIONS
R 45-32: Scarab, steatite ..... fig. 12j
$h m(. t)$-ntr $n f(. t)-$ - $r y$ ?
See also K 31-10, Royal Name, Amenhotep I (above)
V 60-40: Scarab, blue faience(?)fig. 14iLong inscription (ntr-nfr nb [crowned sphinx?]-t3.wy ... )
SIGNS
SINGLE SIGN MAIN SUBJECT
R 20-23: Scarab, blue glazed steatite nsw bity

Table 10. Scarabs and other Glyptic (cont.)
SIGNS (cont.)
SINGLE SIGN MAIN SUBJECT (cont.)

> R 32-1: Scarab, "pink stone" (steatite)
fig. 111 $h s$ vase on $n b$ sign with pair of $n f r$ signs flanking (cf. K 2-4)
R 32-3: Scarab
fig. 11 m
Lower Egyptian plant on $n b$ sign with pair of $n f r$ signs flanking
R 35-77: Scarab, blue glazed steatite(?)
fig. 11q
$h s$ vase, flanked by uraei wearing Red Crowns
R 35-79: Scarab, blue glazed steatite
fig. 12 a
‘nh, flanked by $2 n f r$ signs, pair of $n b$ signs at top and bottom
R 45-7: Scarab, blue glazed steatite
fig. $12 g$
Lower Egyptian plant on $n b$ sign, flanked by pair of 'nh signs
R 45-43: Scarab, blue glazed steatite
fig. 12 h Scrolls made of circles flank hpr, two šn signs, and two nfr signs
R 120-1: Scarab, blue faience
fig. 12 m
Lower Egyptian plant (run together with $n b$ sign?)
V 48-2: Scarab, blue glazed steatite
fig. 131 Same as R 120-1, above are $r^{\wedge}$ and $n b$ ?
V 56-3: Scarab, blue glazed steatite fig. 16 n Red Crown (?) with pair of $n b$ at ends, $n$ to left
V 66-5: Scarab, dark green glazed steatite fig. 14k Signs over $n b$
V 71-8: Scarab, dark green glazed steatite fig. 141 Lower Egyptian plant (?) between $n b$ signs
K 1-3: Scarab, dark green glazed steatite
fig. 16a $d d$ below Lower Egyptian plant and flanked by pair of Red Crowns
K 2-4: Cowroid, carnelian
$h s$ vase, with leftmost $n f r$ simply scratched, top only of rightmost $n f r$ (cf. R 32-1)
$\begin{aligned} \text { K 31—7: Scarab, glazed steatite } & \text { fig. 16e } \\ \text { Red Crown between two } n b \text { signs } & \end{aligned}$
K 31-8: Fish seal, blue glazed steatite Red Crowns
K 50-17: Scarab, blue glazed steatite
fig. 16 m
'ANRA'

| R 29-12: Cowroid, bi-parabolic, blue glazed steatite | fig. 11 k |
| :--- | ---: |
| 'anra' type <br> V 46-19: Scarab, glazed steatite <br> 'anra' type | fig. 13 a |
| V 72B-35: Scarab, green glazed steatite | fig. 14 r |
| 'anra' type |  |

Table 10. Scarabs and other Glyptic (cont.)
SIGNS (cont.)
COMPLEX "NEFERZEICHEN"
R 4B-5: Plaque, oval, steatite ..... fig. 11a
nfr, with border of concentric circles
See also Representations, Animal Bodies (below)
K 18-1: Scarab, blue glazed steatite ..... fig. 16dZ-scroll, signs possibly as follows: two $h p r(?)$ flanked by pairs of ${ }^{\prime} n h, n f r$,and $d d$, over $d w$ mountain, below $s 3, n f r(?)$, and $\operatorname{sm} s(?)$, horizontal line
EPITHETS
V 82-1: Scarab, glazed steatite ..... fig. 15 j$n b-m 3^{\prime} t-\left(r^{\prime}\right)$ (Amenhotep III; for the baboon as $r^{c}$, cf. Hornung 1975: 78)
K 2-5: Scarab, blue glazed steatite ..... fig. 16c
$n b, r^{〔}$, and falcon with flail?
SIMPLE SIGNS
R 75-6: Scarab, faience
'nh signs and uraeus
V 76-3: Scarab, glazed turquoise ..... fig. 15d' $n h$ sign
ANKH
V 76-10: Scarab, blue faience ..... fig. $15 f$
nfr or sms
UNREADABLE COMBINATIONS
V 48-29: Scarab, blue/green glazed steatite ..... fig. 13p
$k s$ over (?)
V 81-4: Scarab, faience ..... fig. 15 i
$n b(?) k r^{c}$
V 92-1: Scarab, blue glazed steatite ..... fig. 15 mVarious simplified and garbled signs in symmetrical combination
K 31-9: Scarab, blue glazed steatite ..... fig. $16 f$Fish seal with Red Crown and sign (ttt ?)
K 31-13: Cowroid, broad bi-parabolic, blue faience ..... fig. 16jConfused signs, possibly Hathor head (?)
K 31-15: Scarab, blue glazed steatite ..... fig. 16 knfr flanked by pair of Red Crowns, below nfr flanked by pair of s3,below s3 flanked by floral (?, cf. Möller 1909, nr. 277, p. 25) signs
REPRESENTATIONS
WITH HUMAN BODIES
R 13-3: Scarab, blue glazed steatite ..... fig. 11c
Falcon-headed human with hs vase
R 35-69: Scarab, steatite(?)Striding human figure with scepter (other signs?)

Table 10. Scarabs and other Glyptic (cont.)
REPRESENTATIONS (cont.)
WITH HUMAN BODIES (cont.)
R 40-14: Scarab, blue glazed steatite ..... fig. 12eFalcon-headed human figure holds pair of uraei, under winged sun discwith pendant uraei
V 48-1: Scarab, blue glazed steatite ..... fig. 13 jdsr-k3-r" (Amenhotep I) precedes Ahmes-Nefertari(?)See also Royal Name, Amenhotep I (above)
V 48-4: Scarab, blue glazed steatite ..... fig. 13 mHorus with scepters
V 48-109: Scarab, faience ..... fig. 13rPair of Bes figures
V 72B-17: Scarab, blue glazed steatite ..... fig. 14 p
Pair of falcon headed figures saluting, between are a $n f r$ and $r^{\kappa}$ sign
(unlikely, but circular depression between legs?), $n b$ sign at bottom
V73-17: Scarab, blue glazed steatite ..... fig. 15 c
Kneeling falcon-headed figure with branch, $n b$ sign at bottom
HATHOR SYMBOL
V 46-35: Cowroid, bi-parabolic, blue glazed steatite ..... fig. 13d
Hathor symbol with pendant uraei
V 48-6: Cowroid, bi-parabolic, blue glazed steatite ..... fig. 13nHathor symbol flanked by Red Crowns
V 76-41: Cowroid, bi-parabolic, blue glazed steatite ..... fig. 15 g
Hathor symbol/sistrum, pendant uraei
ANIMAL BODIES
R 4B-5: Plaque, oval, steatite ..... fig. 11a
Reverse: reversed lions, with $h k s$ scepters See also Signs, Complex "Neferzeichen" (above)
R 19-1: Scarab, green glazed steatitefig. 11eLion standing, with uraeus before
R 19-2: Scarab ..... fig. IlfFlying vulture over sign (perhaps cartouche, cf. V 113-7)
R 20-19: Scarab, steatite ..... fig. 11 hCrowned falcon (Red Crown) and uraeus on $n b$ sign, other signs
R 35-3: Scarab ..... fig. 11r
Crowned falcon, cartouche with $m n-h p r-r^{c}$ before, scorpion with uraeus tail behind
R 45-9: Scarab, blue glazed steatite ..... fig. 12 f
Falcon, uraeus before, with flail over $n b$
R 45-22: Scarab, blue glazed steatitefig. 12i
Tilapia fish with lotus plants in mouth (see Dambach and Wallert 1966: 283-94)
R 84-31: Scarab, green glazed steatiteFlying falcon, with flail on body, and cartouche in talons

Table 10. Scarabs and other Glyptic (cont.)
REPRESENTATIONS (cont.)
ANIMAL BODIES (cont.)
V 46-41: Plaque, blue glazed steatite ..... fig. 13f
Obverse: falcon, $m 3^{\prime} t$ before, uraeus behind Reverse: Amun greets $r$-her-3h.ty (?)
V 46-67: Plaque, oval, blue glazed steatite ..... fig. 13 i
ntr-nfr mn-hpr-ř, heiracosphinx
See also Royal Name, Thutmose III (above)
V 48-31: Scarab, glazed steatitefig. 13k
Twin falcons flanked by uraei
V 60-8: Plaque, blue faiencefig. $14 g$Obverse: falcon, uraeus before, ' $n h$ behindReverse: pharaoh with blue crown(?), holding offering loaf(?), uraeus in front
V 66-4: Scaraboid, blue glazed steatite ..... fig. 14 j$h p r$ flanked by two ' $n h$ signs, atop gold ( $n b w$ ) sign,all flanked by uraei facing in
V72B-37: Scarab, blue glazed ..... fig. 15a
Diagonal crocodile with various signs ('anra' variant?)
V 83-19: Scaraboid/bi-parabolic cowroid, green glazed steatite ..... fig. 151Tilapia fish with lotus plants in mouth
V 92-10: Scarab, steatitefig. $15 n$Falcon head (only to shoulder), plumed sun disc with uraeus above,$h s$ vase before
V 93-7: Scarab, schist ..... fig. 15 p
Sphinx atop serpent, enemy and vessel below, feather to left, $h p r, n f r$, and horizontal sign above
K 31-11: Scarab, blue glazed steatite
Seated sphinx, $n b$ below, winged sun disc abovefig. 16h
FLORAL AND OBJECTS
R 45-6: Scarab, blue glazed steatite ..... fig. 12d
Lotus with flanking buds on stalk
V 73-3: Scarab, blue glazed steatite ..... fig. $15 b$
$i b$ vase with plants
V76-28: Scarab, steatite ..... fig. 15e
Zm3-T3.wy with linear decoration
V 79-2: Scarab, blue glazed steatite ..... fig. 15h
LINEAR AND GEOMETRIC
R 13-4: Scarab, blue glazed steatite ..... fig. 11b
C-scrolls with twin nfr signs
R 19-6: Cowroid, bi-parabolic, steatite, in gold mount ..... fig. 11 gRosette or "cross pattern"
R 20-45: Cowroid, bi-parabolic, blue glazed steatite ..... fig. 11 i
Scroll and plant

Table 10. Scarabs and other Glyptic (cont.)
REPRESENTATIONS (cont.)
LINEAR AND GEOMETRIC (cont.)
R 29-13: Scarab, steatite ..... fig. 11 j
Plant-scroll
R 32-4: Scarab, blue glazed steatite ..... fig. 1 n
Rosette
R 35-48: Scarab, blue glazed steatite ..... fig. 11pCombined plant with scroll
R 35-105: Scarab ..... fig. 121Eight uraei with tails joined
V 46-31: Scarab, blue glazed steatite ..... fig. 13c
Linked S-scrolls
R 33-6: Scarab, blue/green glazed steatite ..... fig. 110Linked S-scrolls flanking $m n-h p r-r^{\text {‘ }}$ in cartouche atop gold ( $n b w$ ) sign
V 46-44: Scarab, dark blue glazed steatitefig. $13 g$Concentric circles linked to center; possibly parts of sm 3 at endsSee also R 4B-5 and K 18-1, Signs, Complex "Neferzeichen" (above)See also V 76-28, Representations, Floral and Objects (above)
V 48-8: Cowroid, steatitefig. 130Four uraei with tails interlaced in complex pattern
V71-9: Cowroid, oval, blue glazed steatite ..... fig. 14 mLinked S-scrolls
V 71-10: Scarab, blue glazed steatite ..... fig. $14 n$Looped rope or decorative knot with wid signs at ends,uncertain motif in center
V 71-11: Scarab, dark blue/green steatitefig. 140V-scrolls, lotus aboveSee also R 45-43, Signs, Single Sign Main Subject (above)
K 31-5: Scarab, green glazed steatiteScroll with nfr signs
K 31-14: Scarab, blue glazed steatiteScroll surrounding nfr and anra signs?
UNDECORATED
R 32-2: Scaraboid, blue glazed, uninscribed
R 35-80: Cowroid, bi-parabolic, glazed turquoise, uninscribed
R 91-1: Scarab, green glazed steatite, uninscribed
V 46-29: Scarab, amethyst, uninscribedfig. 161
K 64-1: Scarab, steatite, with uncertain decoration


Figure 11. Scarabs: (a) R 4B-5, (b) R 13-4, (c) R 13-3, (d) R 17-4, (e) R 19-1, (f) R 19-2, (g) R 19-6, (h) R 20-19, (i) R 20-45, (j) R 29-13, (k) R 29-12, (l) R 32-1, (m) R 32-3, (n) R 32-4, (o) R 33-6, $(p)$ R 35-48, $(q)$ R 35-77, ( $r$ ) R 35-3. Scale 1:1


Figure 12. Scarabs (cont.): (a) R 35-79, (b) R 35-78, (c) R 40-7, (d) R 45-6, (e) R 40-14, (f) R 45-9, (g) R 45-7, (h) R 45-43, (i) R 45-22, (j) R 45-32 (k) R 75-7, ( $l$ ) R 35-105, (m) R 120-1, ( $n$ ) R 94-27. Scale 1:1



b



c



Figure 13. Scarabs (cont.): (a) $\vee 46-19,(b) \vee 46-30,(c) \vee 46-31,(d) \vee 46-35,(e) \vee 46-36,(f) \vee 46-41$, $(g) \vee 46-44,(h) \vee 46-42,(i) \vee 46-67,(j) \vee 48-1,(k) \vee 48-31,(l) \vee 48-2,(m) \vee 48-4$, $(n) \vee 48-6,(o) \vee 48-8,(p) \vee 48-29,(q) \vee 48-30,(r) \vee 48-109$. Scale $1: 1$


Figure 14. Scarabs (cont.): (a) $\vee 50-4,(b) \vee 60-21,(c) \vee 55-13,(d) \vee 54-6,(e) \vee 60-29,(f) \vee 60-28$, (g) $\vee 60-8$, ( $h$ ) $\vee 60-30$, (i) $\vee 60-40,(j) \vee 66-4,(k) \vee 66-5,(l) \vee 71-8$, ( $(\mathrm{m}) \vee 71-9$, ( $n$ ) $\vee 71-10$, (o) $\vee 71-11,(p) \vee 72 B-17,(q) \vee 72 B-23$, (r) $\vee 72 B-35$. Scale $1: 1$




Figure 15. Scarabs (cont.): (a) $\vee 72 \mathrm{~B}-37$, (b) $\vee 73-3$, (c) $\vee 73-17$ (d) $\vee 76-3$, (e) $\vee 76-28$, ( $f$ ) $\vee 76-10$, (g) $\vee$ 76-41, (h) $\vee 79-2,(i) \vee 81-4,(j) \vee 82-1,(k) \vee 83-10,(l) \vee 83-19,(m) \vee 92-1$,
(n) $\vee 92-10,(o) \vee 97-15,(p) \vee 93-7,(q) \vee 113-7$. Scale 1:1


Figure 16. Scarabs (cont.): (a) K 1-3, (b) K 2-4, (c) K 2-5, (d) K $18-1$, (e) K 31-7, (f) K 31-9, (g) K 31—10, (h) K 31-11, (i) K 31-12, (j) K 31-13, (k) K 31-15, (l) K 31-16, (m) K 50-17, (n) VD 56-3. Scale 1:1

## J. AMULETS AND PENDANTS

The amulets from Qustul parallel New Kingdom amulets from Egypt. Materials include faience, glass, carnelian, glazed steatite, and gold. Only one glass amulet was molded; the others were carved in the same shapes as used for stone amulets (see figure 17, p. 124).

## 1. TAWERET ${ }^{62}$ AMULET

Most of the Taweret amulets in the present collection are quite small, about one centimeter high. The materials used, faience (V 47-1, V 48-117a) and carnelian (V 48-117b, V 60-39), differ from amulets at Haraga and Gurob which are faience and glass. However, both in Nubia and Egypt, the carved shape is a simple outline with lines incised for the top of the head, the arms, and the crocodile skin at the back. ${ }^{63}$
2. $\mathrm{BES}^{64}$ AMULET

Figures of Bes are somewhat more varied. The smallest are of carnelian, with very summary features (V 48-117c). Some attempt was made to add details, however, especially in the face and ears. The small Bes figures probably parallel the small Taweret figures in date (R 35-19). ${ }^{65}$

A small blue faience Bes resembles summary figurines in the Gurob corpus, though these are slightly more detailed. ${ }^{66}$ A glazed steatite amulet ( $\mathrm{R} 35-100$ ) is simply a plaque with a wavy outline and a few incised details. The identity of the figure is indicated only by the frontal representation of the face and the frequent appearance of the Bes figure. ${ }^{67}$ The largest of the amulets was made by pressing faience in a mold and covering it with a greenish-blue glaze. Because the piece is so sloppily made, it may be a second or third hand copy of the original model. ${ }^{68}$
62. Engelbach 1923, pl. LIV: 9; Brunton and Engelbach 1927, pl. XLII: 9 (for the numbering of types, see p. 5); Säve-Söderbergh and Troy 1991: 122.
63. See also Firth 1915, pl. 38: g 26.
64. Brunton and Engelbach 1927, pl. XLII: 1a; Petrie 1908, pl. XXXVIIA: 39; Säve-Söderbergh and Troy 1991: 122-23.
65. See Randall-Maciver and Woolley 1911, pl. 54, 10252.
66. Brunton and Engelbach 1927, pl. XLII, in the $1 \mathrm{~J}-\mathrm{L}$ range.
67. The type is rather closely paralleled at Gurob (Brunton and Engelbach 1927, pl. XLII: 1a) and several were found in a burial at Saft (Petrie 1908, pl. XXXVIIA: 39).
68. Reisner 1910, pl. 70: c-9 (very simple), Petrie 1908, pl. XXXVIII: 32 (elaborate, not a close parallel), Brunton 1930, pls. XLIII: 68 (same), XLIV: 32, 11, 12. Simpler examples can be found in Emery and Kirwan 1935: 328, figs. 323: 15, 324: 18.

## 3. FALCON ${ }^{69}$ AMULET

One small blue falcon amulet seems to be made of turquoise (R 20-44). Its simplified lines closely resemble a small falcon from Gurob. ${ }^{70}$

## 4. HATHOR SYMBOL ${ }^{71}$ AMULET

One of the most common types of amulet in the New Kingdom was the Hathor head, which shows part of a sistrum from the cornice to the handle (V 54-7; 11 examples). ${ }^{72}$

## 5. WEDJAT-EYE ${ }^{73}$ AMULET

Both large and small wedjat-eye amulets were found. The largest example is of dark blue faience. The brow is incised with a herringbone pattern and there are three lines across the outline of the eye behind the corner (R 35-45). ${ }^{74}$

The finest were a pair of miniature wedjat-eye amulets from V 48, one of carnelian (27) and the other of hollow gold (23). In an oval field on the back of the carnelian wedjateye amulet is the tiny figure of a goddess with a uraeus holding a $w$ 了 $d$ scepter. ${ }^{75}$

## 6. SCARAB AMULET ${ }^{76}$

In the New Kingdom, the figure of the scarab beetle was used not only for a seal amulet but also for ordinary amulets. Like other amulets, these are flattened, with an undecorated ventral surface and transverse pierced lobe. Some examples also have flanges (R 94-26). Materials include carnelian and glass. ${ }^{71}$ Some of the scaraboid shapes with no decoration might also be considered strictly amuletic.

One circular amulet of faience has a scarab beetle in the center, below the pierced boss; two feathered wings extend in an arc from the hind legs to the pierced lobe (V 46-70).
69. Engelbach 1923, pl. LIV: 5, and Brunton and Engelbach 1927, pl. XLII: 5.
70. See also Randall-MacIver and Woolley 1911, pl. 54, 10271.
71. Brunton and Engelbach 1927, pl. XLII: 1v-w, Säve-Söderbergh and Troy 1991: 124, called a sistrum.
72. Firth 1927, pl. 28: a 2, 5; Emery and Kirwan 1935: 328, fig. 324: 16; Steindorff 1937, pl. 51: 24 (general resemblance only); Petrie 1894, pl. XVII, 280, 281 (faience).
73. Brunton and Engelbach 1927, pl. XLII: 38; Brunton 1930, pl. XXXII: 11-12; Säve-Söderbergh and Troy 1991: 123.
74. See, for example, Petrie 1908: pl. XXXIV: "tomb 5" center.
75. Brunton and Engelbach 1927, pl. XLII: 38; see also Steindorff 1937, pl. 51: 30.
76. Brunton and Engelbach 1927, pl. XLI: 97-98, not in corpus; Säve-Söderbergh and Troy 1991: 123-24.
77. Approximately Randall-MacIver and Woolley 1911, pl. 54: 10262.

## 7. HEART AMULET ${ }^{78}$

Three different kinds of stone heart are present. The largest, in red jasper, is simplest, with only the upper projection shown as a detail. The second type (R 35-33, carnelian), ${ }^{79}$ is divided across the top and down the center with incised lines and has two side projections; the reverse is flat. The smallest heart amulet ( $\mathrm{R} 75-8,18$, carnelian and diorite) is about 7 mm long; its only detail is the line separating the upper projection from the body. ${ }^{80}$

## 8. FISH ${ }^{81}$ AMULET

The fish (V 69-4, 5; R 75-8, 18) are all small amulets, but details include the fins, tail, head, and pierced lobe protruding from the mouth, which are all marked off by lines. Three of the examples from V 69 are carnelian and one is blue glass, and four from R 75 are carnelian and one is turquoise. ${ }^{82}$

## 9. FLY ${ }^{83}$ AMULET

Fly amulets first appeared in Nubia during A-Group. ${ }^{84}$ During the Second Intermediate Period, ivory fly amulets were frequently deposited with Kerma burials ${ }^{85}$ and they became one of the more common New Kingdom amulets. In the present material, two are glazed steatite and one is of an unknown stone, with a simple thorax, swept back wings, and the head pierced, with vertical lines. In the two steatite examples (V 74-5, R 45-12e), head and body are combined and are shown with horizontal incised lines. The wings of one example ( $\mathrm{R} 45-12 \mathrm{e}$ ) were hatched at an angle. ${ }^{86}$

## 10. $N F R^{87}$ AMULET

Slightly smaller than the smallest Taweret amulet, this carnelian nfr amulet parallels other sign-amulets of the same size ( $\mathrm{V} 60-39 \mathrm{~d}$ ).

[^13]
## 11. POPPY HEAD/CORNFLOWER PENDANT

Two sizes of this pendant, all in carnelian, were found. One was large, with a flat back. Two were shown in the round, though one was damaged at the base. ${ }^{88}$ The double-pierced glass amulet is well known from Gurob and also occurs in Nubia. ${ }^{99}$ Although smaller, later amulets of this shape sometimes have incised details that make them resemble the cornflower, the two types of bulged pendants with long vertical shank and flared base are difficult to separate.

## 12. PENDANTS ${ }^{90}$

Pendants are often made of blue glass, are about the same small size as the $n f r$ amulets, and are found in a variety of colors.

Pendants and amulets are cataloged in table 11 (below).
Table 11. Pendants and Amulets
R 20-44

Amulet, falcon, turquoise colored glass
figs. 17v, 41k
pl. 49a
R 35-13
fig. 17 ff
fig. 17kk
b. Pendants, poppy head/comflower, two camelian, large, flattened, carved
c. Pendants, drop-shaped, tooth, $11.0 \times 8.1 \times 5.2,13.4 \times 8.5 \times 5.5$

R 35-15
a. Pendant, poppy head/cornflower, carnelian, large, flattened, carved
b. Pendant, eye, glass, yellow, black, white
figs. 1700, 411
fig. 1711
R 35-19 figs. $17 \mathrm{t}, 41 \mathrm{j}$
Amulet, Bes, blue faience, large, very crude
R 35-32
See R 35-13
R 35-33
figs. $17 \mathrm{gg}, 41 \mathrm{~m}$
Pendant, heart, camelian, large
R 35-45
fig. 17 bb
Amulet, wedjat-eye, blue faience, large
R. 35-100
fig. 17u

Amulet, Bes, blue faience, small, flat and crude
88. Reisner 1910, pl. 70: c-5; Randall-Maclver and Woolley 1911, pl. 54: 10249, 10252; Steindorff 1937, pl. 53: 18; Schiff Giorgini 1971: 192, fig. 337, p. 207, fig. 383, p. 211, fig. 394; Brunton and Engelbach 1927, pl. XLIII: 45 L; Säve-Söderbergh and Troy 1991: 129-30.
89. For large examples, see Randall-Maclver and Woolley 1911, pl. 54: 10252.
90. Brunton and Engelbach 1927, pl. XLIII: 44, except R.

Table 11. Pendants and Amulets (cont.)

| R 45-12 | pl. 49c |
| :---: | ---: |
| e. Amulets, fly, three of green glazed steatite (two simple) |  |
| R 45-14 | pl. 49b |
| a. Pendant, poppy head/cornflower, blue faience, small (21265) | fig. 17 jj |
| b. Amulet, false scarab, blue faience | fig. 17 i |

R 75-8
a. Pendants, fish, four carnelian, one turquoise colored glass
fig. 17 hh
b. Pendants, heart, two diorite, five carnelian, small
fig. 17ee
R 75-18
See R 75-8
R 94-12
Amulets, Taweret, two blue faience, $20.0 \times 10.0$
R 94-26
fig. 17cc
a. Amulet, scarab, camelian, carved
b. Amulet, scarab, blue glass, carved

V 46-66
Pendants, three paddle-shaped, turquoise blue glass, $9.7 \times 4.8$
Pendant, carnelian
Amulet, fish, camelian, $9.8 \times 2.8$
V 46-70
Amulet, scarab, winged, dark blue faience fig. 17dd
V 47-1
Amulet, Taweret, blue faience, $5.6 \times 2.0$
V 48-23
Amulet, wedjat-eye, in gold fig. 17z, pl. 49 f
V 48-27
Amulet, wedjat-eye, in carnelian, with goddess on back, small
fig. 17aa, pl. 19g
V 48-117 fig. 17y, pl. 49e
a. Amulets, Taweret, two faience
b. Amulets, Taweret, two carnelian
c. Amulet, Bes, camelian

V 54-7
Amulets, Hathor, eleven blue faience (necklace)
fig. 17x, pl. 49h
V 60-39
Pendant, club-shaped, diorite, $9.0 \times 4.5$
Pendants, poppy head/cornflower, three blue faience, small, $5.9 \times 2.5$
Amulet, nfr, carnelian
Amulets, fish, one blue faience, one camelian, $9.2 \times 1.6$
Amulet, Taweret, one carnelian, fragments in blue faience
V 69-4
Amulets, fish, three carnelian, one blue glass, $11.8 \times 2.8$
pl. 49i

Table 11. Pendants and Amulets (cont.)

```
V 69-5
```

Amulet, fish, carnelian, $7.2 \times 1.9 \quad \mathrm{pl} .69 \mathrm{j}$
V 74-5
Amulet, fly, blue glazed steatite, body hatched, $16.0 \times 0.5$
K 31-17
Amulets, shell, one blue faience, hatched, one light red stone, plain, $1.33 \times 0.61$
fig. 17 mm
S 8-6
Amulet, inverted crescent on sun disc, black stone, $2.4 \times 2.3 \times 0.5$
fig. 17 nn

## K. BEADS

Beads from Qustul and Adindan were made from metal, stone, glass, faience, and ostrich eggshell. The beads are cataloged in table 12. They were not as varied as other groups of beads in the collection and have therefore not been given an abbreviated classification-code. ${ }^{11}$

## 1. FAIENCE

Beads of faience are the most common, in colors that included light blue, blue-green, dark blue, red, yellow, and black. Often, the beads are segmented tubes with two or more sections. It appears that the beads were made by cutting a tubular piece into sections after which the core would be glazed and hardened by firing and the individual beads broken away or left attached in groups to make the segmented beads. Sometimes the flashing between the beads was smoothed, but vestiges often remained. ${ }^{92}$

Most New Kingdom beads are opaque and have the rectangular section of the original tubular core. Some, however, are translucent, rounded discoids belonging to the glassy variant that Lucas designated "imperfect glass." ${ }^{93}$ The core was practically fused or dissolved in the glaze, and little remains of it but a few white grains in the center. Although the material was originally faience, its most completely fused examples are now a glass. Since this faience-glass series is a continuum, beads of this kind are called glass-like in the present work, abbreviated glassy.

## 2. GLASS

Objects that were originally made of a material that was already entirely glass and was molded, modeled (as a frit?), or heated and wound around a wire, and which was
91. See Säve-Söderbergh and Troy 1991: 77-86 for a coded classification.
92. A lucid technical discussion of Egyptian glass and frit was first advanced by Petrie (1894: 25-28). Sometimes the beads are rough on one side, as though fired laying flat in pans, but they are sometimes entirely glossy. See Nolte 1977, cols. 614-17, and articles cited therein.
93. Lucas and Harris 1962: 165, 181; Williams 1983: 91-92.


Figure 17. Beads, Pendants, and Amulets: (a) R 19-4, (b) R 20-44, (c) R 94-13, (d) R 35-18, (e) VC 45-5, ( $f$ ) R 45-31c, (g) R 40-13, ( $h$ ) R 19-4, (i) R 45-14b, ( $j$ ) R 94-13, (k) R 19-4, (l) R 20-44, (m) R 45-31c, ( $n$ ) R 19-4, (o) R 19-4, ( $p$ ) R 40-48, ( $q$ ) R 4B-13, $(r) \mathrm{R} 4 \mathrm{~B}-13$, ( $s$ ) V 46-66, ( $t) \mathrm{R} 35-19$, ( $u$ ) R 35-100, (v) R 35-5, (w) R 20-44, ( $x$ ) VD 54-7, ( $y$ ) IVC 48-117, (z) VC 48-23, (aa) VC 48-27, (bb) R 35-45, (cc) R 94-26, (dd) VC 46-70, (ee) R 75-8, (ff) R 35-13, (gg) R 35-33, (hh) R 75-8, (ii) R 45-12e, (jj) R 45-14a, ( $k k$ ) R 35-13, (ll) R 35-15b, (mm) K 31-17, (nn) S 8-6, (oo) R 35-15a. Scale 1:1
completely vitrified at some point in the process of making the object itself are herein described as glass. This group of objects consists primarily of ball or barrel beads colored blue, "amethyst," and black (sometimes streaked with white).

## 3. EGYPTIAN BLUE

Blue glass was often pulverized, molded as a mud, and fired at a temperature high enough to cause the particles to fuse together but not high enough to cause complete vitrification. The resulting material, Egyptian blue, was used to make some beads in the present material.

## 4. METAL

A single silver ball bead ( $\mathrm{R} 19-4$ ) and a number of gold balls and barrels were found. They are of very high quality and quite small; some barrels are as little as 2.0 mm in length.

## 5. OTHER MATERIALS

Stones used for the beads included carnelian and amethyst, with some of diorite and a smooth white stone used for pendant beads. Ostrich egg beads occur, in the same sizes as beads manufactured from faience and glass-like material.

Table 12. Register of Beads

| Cemetery, Tomb, Object Number $\quad$ Description | $\begin{gathered} \text { Dimensions } \\ \text { in } \mathrm{mm} \end{gathered}$ | Count |
| :---: | :---: | :---: |
| R 4B-13 |  |  |
| a. Gilt glass, late intrusive | $3.0 \times 2.4$ | 1 |
| b. Narrow tapered barrel, small, corroded blue glass (fig. 17q) | $10.0 \times 3.8$ | 2 |
|  | $10.2 \times 4.3$ |  |
| c. Narrow tapered barrel, small, turquoise glass | $7.3 \times 3.8$ | 2 |
| d. Narrow tapered barrel, small, yellow | $8.3 \times 4.1$ | 2 |
| e. Plain, narrow discoid, small/medium, rectangular profile, cut, blue and yellow glass | $2.3 \times 1.4$ | 1 |
| f. Plain, narrow discoid, small/medium, rectangular profile, blue | $1.8 \times 1.1$ | 1 |
| g. Plain, narrow discoid, small/medium, rectangular profile, dark blue | $2.1 \times 1.9$ | 1 |
| h. Plain, narrow discoid, small/medium, rectangular profile, yellow | $2.1 \times 1.9$ | 1 |
| i. Narrow tapered barrel, miniature, deteriorated(?) | $2.6 \times 1.7$ | 2 |
| j. Narrow tapered barrel, miniature, carnelian (fig. 17r) | $2.4 \times 2.0$ | 3 |
| R 19-4 |  |  |
| a. Plain, narrow discoid, small, brown/black glass (fig. 17a) | $2.0 \times 1.3$ | 238 |
| b. Broad discoid, medium, gamet colored glass (fig. 17h) | $4.0 \times 3.1$ | 58 |
| c. Hollow metal ball/ovaloid, gold (fig. 17n) | $3.0 \times 2.5$ | 21 |
| d. Ball, round, Egyptian blue (fig. 17k) | $5.0 \times 4.0$ | 35 |
| e. Hollow biconical barrel, small, gold (fig. 17o) | $4.9 \times 2.8$ | 3 |
| f. Hollow metal ball/ovaloid, impure gold(?) | $3.5 \times 2.7$ | 2 |
| g. Broad discoid, small, carnelian | $3.5 \times 2.7$ | 2 |

Table 12. Register of Beads (cont.)

| Cemetery, Tomb, Object Number $\quad$ Description | Dimensions in mm | Count |
| :---: | :---: | :---: |
| R 20-44 |  |  |
| a. Special discoid, beveled, Egyptian blue (fig. 171) | $4.3 \times 1.4$ | 7 |
|  | $4.5 \times 1.4$ |  |
| b. Plain, narrow discoid, large, blue faience (fig. 17b) | $2.7 \times 1.4$ | 1 |
| c. Plain, narrow/broad discoid, small, camelian | $2.0 \times 1.5$ | 94 |
| R 32-11 |  |  |
| a. Plain, narrow discoid, small, blue/green glassy, mostly opaque | $2.6 \times 1.7$ | 370 |
|  | $2.5 \times 1.6$ |  |
| b. Plain, narrow discoid, medium/large, rectangular profile, green faience | $3.9 \times 2.3$ | 1 |
| c. Plain, narrow discoid, small, grey-white faience (unglazed?) | $2.5 \times 1.1$ | 1 |
| R 35-4 |  |  |
| a. Plain, narrow discoid, large, blue glassy | $6.7 \times 0.8$ | 3 |
|  | $7.1 \times 0.9$ |  |
| b. Plain, narrow discoid, large, ostrich egg | $4.6 \times 1.5-1.7$ | 77 |
|  | 4.7 |  |
|  | 4.8 |  |
|  | 5.2 |  |
| c. Plain, narrow discoid, medium, blue-green faience | $5.5 \times 1.7$ | 8* |
| d. Plain, narrow discoid, medium/large, blue-green faience | $4.8 \times 1.5$ | 43* |
| e. Plain, narrow discoid, medium/large, blue glassy |  | 17 |
| f. Plain, narrow discoid, small/medium, black | $2.5 \times 1.0$ | $50 *$ |
|  | $2.3 \times 1.0$ |  |
|  | $2.6 \times 1.0$ |  |
|  | $2.7 \times 1.1$ |  |
|  | $3.0 \times 1.2$ |  |
| g. Plain, narrow discoid, small/medium, yellow faience |  | 17* |
| h. Plain, narrow discoid, small/medium, red faience |  | 2* |
| i. Shell, medium-small (damaged) |  | 6 |
| j. Shell, small (pierced) |  | 8* |
| *Number approximate; the beads were not available for recheck. |  |  |
| R 35-18 |  |  |
| a. Plain, narrow discoid, small, ostrich egg (fig. 17d) | $4.5 \times 1.8$ | 69 |
|  | $5.1 \times 1.8$ |  |
|  | $4.5 \times 1.2$ |  |
|  | 5.2 |  |
| b. Plain, narrow discoid, small/medium, rectangular profile, blue glass, rectangular profile* | $2.9 \times 1.5$ | 59 |
|  | $2.3 \times 1.2$ |  |
|  | $2.8 \times 0.9$ |  |
| c. Plain, narrow discoid, small/medium, rectangular profile, same* | $2.0 \times 0.8$ | 2 |
| d. Plain, narrow discoid, small/medium, rectangular profile, dark red glass* | $2.3 \times 1.1$ | 11 |
| e. Plain, narrow discoid, small/medium, rectangular profile, black, same* | $2.5 \times 1.5$ | 6 |

Table 12. Register of Beads (cont.)

| Cemetery, Tomb, <br> Description Object Number | $\begin{aligned} & \text { Dimensions } \\ & \text { in } \mathrm{mm} \end{aligned}$ | Count |
| :---: | :---: | :---: |
| R 35-18 (cont.) |  |  |
| f. Plain, narrow discoid, medium/large, rectangular profile, blue glass, same* | $4.6 \times 1.0$ | 141 |
|  | $4.4 \times 1.5$ |  |
|  | $5.3 \times 1.5$ |  |
| g. Narrow tapered barrel, miniature, relatively broad, carnelian | $4.2 \times 3.0$ | 1 |
| h. Shell, small |  | 6 |
| *Not available for restudy |  |  |
| R 35-34 |  |  |
| a. Ball, blue glass, 1 wound | $9.1 \times 8.1$ | 2 |
|  | $9.0 \times 10.3$ |  |
| b. Ball, dark blue opaque glass, molded | $11.2 \times 9.5$ | 1 |
| c. Disc, blue faience, rectangular profile | $4.8 \times 1.1$ | 2 |
| d. Disc, green faience, rectangular profile | $5.2 \times 1.5$ | 1 |
| e. Disc, green faience | $2.9 \times 0.8$ | 10 |
| f. Disc, turquoise | 1.0 |  |
| g. Discoid, bulged, blue glassy | $4.0 \times 1.4$ | 4 |
| h. Disc, red faience | $3.2 \times 0.9-1.0$ | 6 |
| i. Ostrich egg | $5.1 \times 1.2$ | 7 |
|  | $5.0 \times 1.5$ |  |
| j. Ostrich egg | $2.7 \times 1.0$ | 5 |
| k. Shell, Nerita | 26.8 | 1 |
| 1. Cowrie, whole | 22.0 | 1 |
| m. Shell, gastropod | 10.8 | 3 |
| R 35-100 |  |  |
| a. Narrow tapered barrel, small, blue glass | $5.6 \times 3.7$ | 1 |
| b. Narrow tapered barrel, ovaloid segment, blue glass, 4-part | $2.4 \times 1.5$ | 2 |
| c. Globe, round, Egyptian blue | $4.0 \times 3.2$ | 1 |
| d. Narrow tapered barrel, large, blue glass | $4.0 \times 1.5$ | 3 |
| e. Shell, gastropod, small, strung (separated by 3 discs) |  | 2 |
| f. Shell, gastropod, medium | 12.1 | 2 |
| g. Shell, Nerita |  | 1 |
| R 40-13 |  |  |
| a. Broad discoid, small, carnelian, graduated (fig. 17g) | $2.2 \times 1.7$ | 84* |
|  | $3.2 \times 2.0$ |  |
|  | $3.6 \times 2.4$ |  |
| *Number approximate |  |  |
| R 40-48 (also R 40-69) |  |  |
| a. Hollow biconical barrel, large, gold (fig. 17p) | $11.0 \times 5.0$ | 1 |
| b. Narrow tapered barrel, small, Egyptian blue(?), deteriorated and irregular *Number approximate | $3.6 \times 0.6$ | 14 |

Table 12. Register of Beads (cont.)

| Cemetery, Tomb, <br> Description Object Number | Dimensions in mm | Count |
| :---: | :---: | :---: |
| R 41-3 |  |  |
| a. Plain, narrow discoid, small, ostrich egg | $2.1 \times 1.5$ | 58* |
| b. Plain, narrow discoid, small, blue glass | $3.0 \times 2.5$ | 1 |
| R 45-3 |  |  |
| a. Plain, narrow discoid, small, black glass | $3.1 \times 1.2$ | 22 |
| R 45-12 |  |  |
| a. Globe, round, amber | $3.9 \times 4.6$ | 1 |
| b. Broad discoid, medium, carnelian | $4.0 \times 2.8$ | 1 |
| c. Globe, round, Egyptian blue | $3.8 \times 2.6$ | 6 |
|  | $2.8 \times 2.0$ |  |
| d. Broad discoid/ovaloid globe, yellow glass | $2.2 \times 1.5$ | 1 |
| R 45-31c |  |  |
| a. Plain, narrow discoid, ovaloid segments, blue faience, |  |  |
| 4 part (overall dimensions) (fig. 17f) | $13.0 \times 3.7$ | 1 |
| b. Plain, narrow discoid, large, blue glass | $3.8 \times 1.4$ | 2 |
| c. Plain, narrow discoid, small, blue glass | $2.6 \times 1.2$ | 3* |
| d. Plain, narrow discoid, small, pink | $2.6 \times 1.9$ | 16 |
|  | $2.3 \times 1.6$ |  |
| e. Discoid, ribbed, blue faience (fig. 17 m ) | $4.3 \times 3.1$ | 1 |
| *Number approximate |  |  |
| R 45-44 |  |  |
| a. Plain, narrow discoid, small, amber colored glass | $3.0 \times 1.3$ | 1 |
| b. Plain, narrow discoid, small, black glass | $3.2 \times 1.1$ | 420* |
|  | $3.1 \times 1.8$ |  |
|  | $2.8 \times 2.0$ |  |
|  | $2.5 \times 0.9$ |  |
| *Number approximate |  |  |
| R 75-8 |  |  |
| a. Plain, narrow discoid, small, carnelian | $2.0 \times 1.3$ | 1 |
| b. Hollow biconical barrel, small, gold | $2.0 \times 1.8$ | 1 |
| R 75-9 |  |  |
| a. Plain, narrow discoid, small/medium, rectangular profile, blue-black faience* <br> b. Plain, narrow discoid, small/medium, rectangular profile, ostrich egg |  |  |
|  |  |  |
| *Very small alternating blue and ostrich egg beads, some dark, strung, too delicate to remove from bottle. |  |  |
| R 84-9 (not available for restudy) |  |  |
| a. Disc, blue faience | $12.0 \times 2.0$ | 4 |
|  | $12.9 \times 3.0$ |  |
|  | $11.5 \times 1.0$ |  |

Table 12. Register of Beads (cont.)

| Cemetery, Tomb, Object Number $\quad$ Description | Dimensions in mm | Count |
| :---: | :---: | :---: |
| R 85-2 |  |  |
| a. Globe, ovaloid, narrow, blue glass, wound | $5.0 \times 2.8$ | 13 |
|  | $4.9 \times 2.4$ |  |
| b. Globe, ovaloid, narrow, amber glass, 2 joined | $5.0 \times 2.4$ | 10 |
|  | $4.9 \times 2.9$ |  |
| c. Plain, narrow discoid, large, ostrich egg, worn |  |  |
| R 94-13 |  |  |
| a. Globe, ovaloid, amethyst/amber glass | $5.3 \times 4.0$ | 10 |
|  | $6.1 \times 4.7$ |  |
| b. Globe, ovaloid, amethyst/amber glass | $3.8 \times 2.0$ | 1 |
| c. Globe, round, dark blue glass | $6.4 \times 7.2$ | 1 |
| d. Globe, round, black with white spiral around middle (fig. 17j) | $5.6 \times 4.5$ | 8 |
|  | $5.0 \times 5.2$ |  |
| e. Broad discoid, medium, irregular, blue faience | $4.7 \times 4.2$ | 1 |
| f. Plain, narrow discoid, ovaloid segments, blue faience cut | $3.0 \times 1.5$ | 1-4 |
| g. Plain, narrow discoid, small/medium, rectangular profile, red (fig. 17c) | $3.2 \times 2.0$ | 1 |
| V 45-5 |  |  |
| a. Narrow tapered barrel, small, garnet-colored glass | $6.0 \times 3.6$ | 8 |
|  | $8.0 \times 3.8$ |  |
|  | $6.0 \times 3.6$ |  |
| b. Narrow tapered barrel, small, garnet-colored glass | $4.5 \times 3.9$ | 6 |
|  | $5.3 \times 3.7$ |  |
|  | $3.7 \times 3.6$ |  |
| c. Narrow tapered barrel, miniature, relatively broad, gamet-colored glass | $4.0 \times 3.6$ | 2 |
|  | $3.5 \times 3.6$ |  |
| d. Narrow tapered barrel, small, dark blue glass | $6.2 \times 3.4$ | 4 |
|  | $5.8$ |  |
|  | $6.9 \times 3.2$ |  |
| e. Narrow tapered barrel, small, turquoise glass | $6.9 \times 3.3$ | 1 |
| f. Narrow tapered barrel, small, brown glass | $6.8 \times 3.2$ | 2 |
| g. Narrow tapered barrel, small, black glass | $7.3 \times 3.5$ | 1 |
| h. Narrow tapered barrel, miniature, relatively broad, blue glass | $3.7 \times 3.0$ | 11 |
|  | $3.6 \times 4.0$ |  |
| i. Plain, narrow discoid, small/medium, rectangular profile, yellow |  |  |
| faience,* multiple segments with rectangular profile (fig. 17e) | $1.8-2.0 \times 1.0$ | 343 |
| j. Plain, narrow discoid, small/medium, rectangular profile, bk./gr.-blue faience,* multiple segments with rectangular profile (fig. 17e) |  | 1-38 |
| k. Plain, narrow discoid, small/medium, rectangular profile, red faience,* multiple |  | 1-233 |
| *Cut from tubes, some not completely cut |  |  |

Table 12. Register of Beads (cont.)

| Cemetery, Tomb, <br> Description Object Number | $\underset{\substack{\text { Dimensions } \\ \text { in } m}}{ }$ | Count |
| :---: | :---: | :---: |
| V 46-66 |  |  |
| a. Plain, narrow discoid, small/medium, rectangular profile, blue beads, multiple segments with rectangular profile | $1.9 \times 1.8$ | 1-7 |
| b. Plain, narrow discoid, large, blue glass | $4.0 \times 3.2$ | 2 |
| c. Plain, narrow discoid, small, carnelian/jasper | $2.0 \times 1.5$ | 2 |
| V 46-69 |  |  |
| a. Plain, narrow discoid, small, blue glass, multiple segments with rectangular profile | $3.1 \times 1.1$ | 1-23 |
| V 47-1 |  |  |
| a. Plain, narrow discoid, large, blue faience | $3.7 \times 1.7$ | 2 |
| b. Plain, narrow discoid, ovaloid segments, blue faience | $3.3 \times 2.1$ | 3-10 |
| V 60-39 |  |  |
| a. Plain, narrow discoid, small/medium, rectangular profile, yellow glassfaience | $1.7 \times 1.0$ | 27 |
| V 65-1 |  |  |
| a. Tube, coral | $18.0 \times 4.2$ | 5 |
| V 69-3 (not available for study) |  |  |
| V 72B-38 |  |  |
| a. Hollow biconical barrel, small, gold, soldered | $6.7 \times 3.1$ | 2 |
| b. Hollow metal ball/ovaloid, gold | $3.3 \times 2.8$ | 1 |
| c. Broad discoid, small, carnelian | $3.3 \times 2.2$ | 1 |
| d. Plain, narrow discoid, small, blue faience | $2.9 \times 1.9$ | 10 |
| V74-5 |  |  |
| a. Narrow tapered barrel, large, blue faience | $15.6 \times 6.3$ | 1 |
| b. Shell, small, gastropod | $10.2 \times 5.6$ | 2 |
| V76-19 |  |  |
| a. Plain, narrow discoid, small, blue faience, multiple ovaloid segments | $1.7-1.8 \times 2.4$ | 5 |
| b. Broad discoid, small, carnelian | $3.7 \times 3.1$ | 1 |
|  | $4.0 \times 3.6$ | 1 |
| c. Broad discoid, small, black glass | $3.6 \times 3.7$ | 1 |
| e. Plain, narrow discoid, large, blue faience | $5.0 \times 1.0$ | 1 |
| f. Broad discoid, medium, blue faience | $8.4 \times 7.2$ | 1 |
| K 31-17 |  |  |
| a. Plain, narrow discoid, large, dark blue glass | $6.4 \times 2.8$ | 1 |
| b. Narrow tapered barrel, small, blue faience | $6.7 \times 2.7$ |  |
| S 8-27,32, with ring |  |  |
| a. Plain, narrow discoid, large, faience discs | $4.5 \times 1.2$ | 460* |
|  | $4.3 \times 1.5$ |  |
|  | $4.5 \times 1.6$ |  |
| *Number approximate | $4.7 \times 1.5$ |  |

## L. MISCELLANEOUS OBJECTS AND SAMPLES

## 1. FAIENCE VESSELS

Two faience vessels were found in the New Kingdom tombs. One, a bowl from V 97 (8) is decorated inside with four fish with stalks in their mouths and a central rosette. This is made up of concentric bands filled with dots and many tapered rays. The decoration is badly faded. A second blue faience bowl found in R 34 (2) was decorated inside and out in black with four lotus blossoms joined by their stems at the center. There is a band of paint at the rim.

## 2. STONE OBJECTS

In addition to the objects that belong to well-known categories, a number of items were found that were discarded without study or that would better be presented in specialized studies of larger groups of material in the Oriental Institute collection. For convenience, they are enumerated in a series of tables.

Table 13. Various Stone Objects

| R 45-36 | Stone pestle (with unbaked bowl) |
| :--- | :--- |
| R 45-37 | Natural stone mortar |
| R 45-38 | Natural stone pestle |
| R 45-41 | Natural stone palette |
| R 94-11 | Grindstone |
| V 48-53 | Slate palette |
| V 93-10 | Part of whetstone or palette |

3. GALENA FRAGMENTS

Table 14. Pigments

| R 35-23 | "Eye paint" |
| :--- | :--- |
| R 40-9 | Galena |
| R 75-19 | Fragment of galena |

4. ANIMALS

Table 15. Animal Remains

| R 25-9 | Skeleton of bird |
| :--- | :--- |
| R 40-78 | Skeleton of small animal |
| V 48-86 | Skull of small animal |
| V 93-16 | Skeleton of rodent |

## 5. RESIDUES

Table 16. Residues

| R 4B-12 | "Pot contents" |
| :--- | :--- |
| R 20-18 | Residue from R 20-10 |

6. OTHER OBJECTS

Table 17. Other Objects and Materials

| R 13-5 | "Hair" |
| :--- | :--- |
| R 35-83 | Uncertain object |
| R 35-101 | "Glass object" |
| R 45-31a | Shell |
| V 50-7 | Wig of braided hair |
| V 83—18 | "Vessel stopper" |
| S 9—1 | Basket |

## CHAPTER 4

## TWO STELAE FROM NUBIA

William J. Murnane

## OIM 21560 (PHO. 41-2) (PLS. 51 AND 52)

OIM 21560 was not found in the excavations but rather was presented to the expedition after it had been in use for some time as a threshold. It may have been set up in a chapel for a tomb in the concession or in a temple.

Composition:
Nubian sandstone of a reddish tinge, somewhat darker in color and harder than the friable, lightly colored local stone. Other objects made out of the same material were found reused in neighboring contexts.

Measurements:

| Height: | 88.4 cm |
| :--- | ---: |
| Width: | 2.9 cm maximum |
| Thickness: | 10.2 cm maximum |

The fragment at hand constitutes the left side of the stela, which was divided into two sections. At the top, under a winged disk, "Horus, Lord of Buhen, the Good God, ${ }^{1}$ preeminent in Wawat" ${ }^{2}$ is seated on the left side. The falcon-headed god wears the double crown, along with the corselet and knee-length kilt that are his customary costume. ${ }^{3}$ His seat is the standard block throne, shown here with its essential features and no additional decoration. His left hand-not completely carved-stretches out to grasp the $w ; s$-scepter,

1. Compare Urk. IV, 811: 5, "Horus, Lord of Mi'am, the Good God," dated to Thutmose III's fifty-first regnal year.
2. I do not know another occurrence of this epithet for Horus of Buhen, but its appearance with other gods' titles is not rare; see, for example, 'nkt hntt T3-sty (Vercoutter 1957: 65); and Hrw hntiw W3w $3 t$, ntrw nbw T3-sty (KRI III, 79: 14, reign of Ramesses II).
3. From the early Eighteenth Dynasty onwards (see Caminos 1974, passim).
while in his right, poised above his lap, is the sign of life. The dedicator appeared on the right side of the stela (now lost), perhaps offering a bouquet. The flower that appears in front of the $w ; s$-scepter seems too large to be the bud that might otherwise rest on an offering stand between the dedicator and his god. The stela, which is carved throughout in sunken relief of poor quality, is worn at the bottom of the scene, but otherwise it is fairly well preserved; only the very bottoms of the scepter and the throne are so effaced as to yield no significant traces. After it was carved, the stela was given a thin overcoat of white plaster (substantial traces of which remain, covering the figures and lying inside the cuts of the hieroglyphic signs). This plaster was apparently the medium for paint, very little of which survives. The winged disk and the borders of the god's inscription were colored red. Traces of green appear in the background above the disk, around and to the left of the falcon hieroglyph's crown (perhaps indicating that the paint for the crown and its coil did not follow the carved lines?), and inside the $n b, b$, and the $t$ of $w ; w 3 t$.

The five vertical columns that survive of the main text below the scene are carved even more roughly than the material above. Once again, there is a great deal of plaster inside the deeper cuts of the signs, but no paint remains. Most of the hieroglyphs can be recognized easily, but the sculptor's carelessness in defining exact shapes and the very uneven depth of the cutting raise difficulties in reading the inscription. The transcription given below is based on a prolonged examination of the original, but a few uncertainties yet remain.

> (3) hrw.tn, nbw' pt ti, dstw hprw m-hit psdt;
> (4) di.k n.i 'nh wd' snb, nmtt.i mn.ti m r-pr.k, r.i wd',

$$
\begin{aligned}
& \text { (text ends) }
\end{aligned}
$$

Notes
a. There is no trace of the $n$, although there is room for it. We assume it is completely worn away, unlike the $n$ below $t 3$ which, though lightly cut, has not disappeared.
b. The exceptionally poor carving here makes the reading uncertain, although the shapes do lend themselves to $l$ libšk (without the phonetic complement $b$ that is customary in this text, and with the foreign land determinative that is uncharacteristic here, but which is often found elsewhere; see the examples cited by Dewachter 1971: 100-06). In the group below, the oblong shape of the bird's head and the length of its tail could suggest $m$ rather than $w$, although the overall shape of the sign does suggest the usual quail chick- $w$ in this text. The identification of $r$ and bolt-s are not contradicted by their shapes and receive some probability from the context. Following these interpretations, we read this last group as (i)m(y)-r pr.s; but it is possible, alternatively, to read the supposed determinative of isbšk as $\underline{t} s$ (Gardiner 1957, Sign-List S-24), and the
supposed $m$ as $w$, yielding $t s w r$-pr.s (although compare the full spelling of $r$-pr in col. 4).
c. Compare bottom of col. 4 (wds) and bottom of col. 5 ( $\left.h^{\prime} w\right)$.
d. The $t 3$ and $t$ appear to be certain, but the rest of this badly worn and broken section is not at all clear. The copy presents the traces as they appear to us, with no clear notion of how they are to be read.

The translation which follows is necessarily tentative, given all the uncertain readings of the text:
"Giving praise to Horus, Lord of Buhen, (and) kissing the ground for Hathor, Lady of Ibshek, ${ }^{4}$ by the priest at the forefront ${ }^{5}$ of the Lady of lbshek, the overseer of her estate, ${ }^{6}$ Sa-Ibshek. ${ }^{7}$ He says: 'Hail to you, (you) lords of heaven and earth, (you) holy ones who came into being in front of the Ennead. May you ${ }^{8}$ grant to me life, prosperity, and health, my activity remaining in your temple, ${ }^{9}$ my speech being twice prosperous, ${ }^{10}$ my limbs being pure, ${ }^{11}$ taking ... from moment to moment, ${ }^{12}$ my limbs being rejuvenated ... '"
4. Compare Caminos 1968, pl. 9, and Smith 1976, pl. VIII, 5, no. 1759. On the location of Ibshek, see most recently Karkowski 1981: 21-25, who gives a thorough discussion of the spelling and occurrences of this toponym, concluding that it is to be identified as "the part of Faras lying around the Hathor Rock."
5. See Wb. III, 21: 10, and Kees 1960: 45-56.
6. Or alternatively, "... of Ibshek, the commander of her temple" (see commentary to the transcription above, $b$ ).
7. For other persons bearing this name, see references and discussion in Desroches-Noblecourt and Kuentz 1968: 163; compare Dewachter 1971: 108 and Zibelius 1972: 77.
8. Although the greeting (cols. 2-3) was apparently to both divinities, the appeal (cols. 4-5) seems to be addressed exclusively to Horus of Buhen.
9. There is no precise parallel to this phrase known to me; see Budge 1914, pl. 43, no. 467 (275): nmtt.ir $r$ šmt; Hall 1925, pl. 21, no. 834: nmtt.(i) r st.s; and compare KRI 1, 309: 5-6: nmtt.f hr st.s (cf. KRI III, 97: 6, 100: 8, 150: 2).
10. Compare KRI I, 309: 5-6, and KRI III, 97: 6, 100: 8 (r.i wds); see n. 12 below.
11. Compare Lacau 1909: 96 (no. 34054): hw.í w'b.
12. Seeing that $t 3 t \ldots$ is the only clear reading of this group, it seems safer to take it as the verb, with the following substantive lost, than as the substantive itself. The construction required for the latter would demand interpreting the $w d s$ [ ], at the top of the column, as the adjective verb of $w d s h ' w . i$ with another similar expression following ( $w$ 'b $t 3 \ldots m 3 t r 3 t$ ). This alternative seems unlikely, given the parallels with the verbs in their old perfective forms ( $\mathrm{nn} .10-11$ above); and, given the context, one would expect $\underline{t 3} .$. to be a limb or a bodily function, for which there is no convincing entry in the lexicon. I prefer to see the $w d$ d at the top of col. 5 as a dittography of the same word at the bottom of col. 4 . None of the parallels employing the expression $m 3 t r 3 t$ shed any light on what the missing elements of this text should be; in addition to the references to $W b . I, 1: 19$, see de Cenival 1965: 17 (= fig. 4, cols. 4-5) and 20, m, and Assmann 1972: 48 and 58 (6).

Sa-Ibshek's stela can be tentatively dated by means of the spelling of the term 'Ibshek' itself. The vast majority of attestations, in the Eighteenth Dynasty and later, employ the spelling $i b s ̌ k ;{ }^{13}$ and two variants, spelled $3 b s ̌ k$ and $i 3 b s ̌ k$ respectively, are not clearly dated. ${ }^{14}$ The shift in spelling $i b>i 3 b$, nonetheless, appears to be preeminently a Ramesside phenomenon. ${ }^{15}$ Failing other criteria, we may assign Sa-Ibshek's stela to the Nineteenth or Twentieth Dynasty.

$$
\text { OIM } 21688 \text { (PHO. 43) (PL. 53) }
$$

## Composition:

Local sandstone, light yellow in color and of a soft, friable texture.
Measurements:

| Height: | 48.3 cm |
| :--- | :--- |
| Width: | 20.3 cm maximum |
| Thickness: | 14.7 cm maximum |

This fragment from the upper left corner of a round-topped stela probably represents less than one-quarter of the piece when whole. Parts of two registers are preserved; they are carved in sunken relief of mediocre quality. On top, a standing figure of Isis faces right, towards the center of the stela. A tall scepter, now lost, ${ }^{16}$ was held in Isis' left hand. The inscription above Isis' head can be restored as [ $3 s t w] r t$, mwt-ntr, "[Isis the gr]eat, mother of the god. ${ }^{17}$ In front of her (now almost completely lost) was a figure of Osiris, seated on a block throne mounted on a pedestal and holding the crook and flail; part of the god's arm and his flail can be seen in front of Isis' face. ${ }^{18}$ When complete, these divine figures
13. See Dewachter 1971: 100-06.
14. The graffito of the scribe S3-3bšk at Gebel Dosche is incorrectly dated to the reign of Seti I by Zibelius (1972: 52 [VI E b 10]) by association with another graffito of Seti I nearby; see Naville 1913: 230. The vessel found in the Semna cemetery and dedicated to Hathor of libšk is also hard to date precisely, as the cemetery contains materials spanning the Eighteenth and Nineteenth Dynasties, and probably the Twentieth Dynasty as well; see Dunham and Janssen 1960: 74, 100, and fig. 58, no. 802 (MFA 47.1683).
15. Thus $\{b ;>\{3 b\}$ ( $W b$. I, 62: 12-13; the citations are Ramesside and later, with the one apparent exception-Urk. IV, 259-not being spelled with isb). Compare the shift ibb>i3b in Ramesside documents; see Posener 1965: 192-93 and idem 1956: 124-25. On the other hand, ibs, "headcloth," is given the altemative spelling isbs on the smaller sphinx stela of Amenhotep II (see Urk. IV, 1286: 16, cf. 1277: 20).
16. E.g., Boeser 1913, pl. xvi, no. 37 (with $w\} d$-scepter), and pl. xvii, no. 34 (with standard of the West).
17. The group $m w t-n t r$ and the final $t$ of wrt are clear; the tail of the wr-bird and part of the $r$ can be seen above, at the left side of the column.
18. For an exact parallel for iconography and position vis-à-vis Isis, see Edwards 1939, pl. xxxix, pp. 47-49, no. 155, dated on stylistic grounds to the later Eighteenth Dynasty. Compare Lacau 1909, pls, xxix, no. 34.049; xlii, no. 34.083; and xliv, nos. 34.091 and 34.093.
occupied the left half of the top register, while the tomb owner (perhaps accompanied by his wife and another member of his family) stood on the right side.

In the lower register are the remains of a seated couple, both wearing long wigs surmounted by festive cones of ointment. The woman is identified by the text above her head as "chief of the female staff (wrt-hnr) ${ }^{19}$ [of] Menkheprure (= Thutmose IV), ${ }^{20}$ Mutnesu." ${ }^{2 l}$ No portion of the man's inscription remains, and the status of the couple with reference to the monument itself is not clear since this position on the stela can be occupied either by the owner and his wife ${ }^{22}$ or by parents or other relatives. ${ }^{23}$ On analogy with similar votive pieces, it is possible that the couple on the left side was balanced on the right by another couple, both receiving offerings from single figures that stood back-to-back in the center of the register. ${ }^{24}$ Alternatively, the couple could have been faced by a long row of relatives that occupied the remainder of the register. ${ }^{25}$ What (if anything at all) stood below this register is even less certain, but a horizontally inscribed text or another group of relatives are both possible. The date of the stela must be the reign of Thutmose IV or that of his son, Amenhotep III. ${ }^{26}$
19. For this title, see $W$ b. II, 297.12-14; Reiser 1972: 11-14 (pr-hnr), 14-16 ( hnr ), with additional comments in a review by Nord 1975: 143-44; and most recently Schenckel 1977, cols. 986-87 (s.v. "Harimsdame").
20. Part of the genitive $n$ can be made out at the right side of the column, above the cartouche. The sequence "wrt-hnr $n$ King $X$ " is unparalleled, to the best of our knowledge, although extended parallels can be adduced, e.g., wrt-hnrt n Her nb $冖$ (Wh. Bel., III, 91, at Luxor [610]), and wrt-hnrt $n$ Wsir (Mariette 1880, pl. 41); and in other titles of near contemporaries, the ruler's name occurs without an accompanying title, e.g. hry psy, hry ' $n$ pr Tiyí (Hall 1925, pl. 20, no. [289]); w'b hry-hb n Nb-ms't-r`,
 nts hat Mn-hprw-r', dí 'nh (ibid., pl. 43, no. 148).
21. This name is not uncommon in the Eighteenth Dynasty; see the references in Ranke 1935: 148, no. 7, with the addition of Boeser 1913, pl. xi, no. 16: s3t.f, Mwt-nsw.
22. E.g., Hall 1925, pls. 19, no. 282; 23, no. 307; and 49, no. 1062; Edwards 1939, pl. xxxvi, no. 301; Bostico 1965, figs. 22 and 47; and Boeser 1913, pl. ii, no. 10.
23. E.g., Hall 1925, pls. 20, no. 289; 24, no. 294; 45, no. 348 ; 46, no. 365 ; and 47, no. 723; Bostico 1965, fig. 39; Boeser 1913, pls. iv, no. 13; and vii, no. 9.
24. E.g., Hall 1925, pls. 24, no. 294; and 46, no. 365; Edwards 1939, pl. ix, no. 902; Bostico 1965, fig. 47; and Boeser 1913, pls. ii, no. 10; iv, no. 13; and vii, no. 9.
25. E.g., Hall 1925, pls. 20, no. 289; 47, no. 723; and 49, no. 1062.
26. Mut-nesu might have been deceased herself when this piece was carved, and her title could have been effective in a reign previous to this time, so the occurrence of Thutmose IV's name does not, by itself, establish the date of the stela's erection. It is not clear from the examples cited above in note 5 that the kings mentioned in these titles were all dead, however, and monuments of Thutmose IV's reign are not rare in Nubia, e.g., Smith 1976, LXXXI, nos. 1893/173 and 1893/174. The piece, in all events, can be dated no later than early in the reign of Amenhotep IV.

## CHAPTER FOUR

## LIST OF BIBLIOGRAPHIC ABBREVIATIONS

KRI 1 Ramesside Inscriptions: Historical and Biographical, Vol. I. K. A. Kitchen. Oxford: B. H. Blackwell, 1975.
KRI III Ramesside Inscriptions: Historical and Biographical, Vol. III. K. A. Kitchen. Oxford: B. H. Blackwell, 1980.
Urk. IV Urkunden des ägyptischen Altertums, IV. Abt. Urkunden der 18. Dynastie. G. Steindorff et al., eds. Leipzig: J. C. Hinrichs; Berlin: Akademie-Verlag, 1906-88.
Wb. Wörterbuch der ägyptischen Sprache. 7 vols. (and 5 vols. Belegstellen). Adolf Erman and Hermann Grapow. Leipzig: J. C. Hinrichs; Berlin: Akademie-Verlag, 1926-63.

## BIBLIOGRAPHY

Assmann, Jan
1972 "Die Inschrift auf dem äußeren Sarkophagdeckel des Merenptah." Mitteilungen des Deutschen Archäologischen Instituts Abteilung Kairo 28: 47-73.
Boeser, P. A. A.
1913 Beschreibung der ägyptischen Sammlung des Niederländischen Reichsmuseums der Altertümer in Leiden. Denkmäler des Neuen Reiches, III. Stelen. The Hague: Martinus Nijhoff.
Bostico, Sergio
1965 Museo Archeologico di Firenze. Le Stele Egiziane del Nuovo Regno. Cataloghi dei musei e gallerie d'Italia. Rome: Istituto Poligrafico dello Stato.
Budge, E. A. Wallis
1914 Hieroglyphic Texts from Egyptian Stelae, \&c., in the British Museum, Part V. London: The British Museum.

Caminos, Ricardo A.
1968 The Shrines and Rock-Inscriptions of Ibrim. Archaeological Survey of Egypt 32. London: Egypt Exploration Society.
1974 The New-Kingdom Temples of Buhen I-II. Archaeological Survey of Egypt 33-34. London: Egypt Exploration Society.
de Cenival, Jean Louis
1965 "Les Textes de la statue E. 25550 du Musée du Louvre." Revue d'Égyptologie 17: 15-20.
Desroches-Noblecourt, Chr. and Kuentz, Ch.
1968 Le Petit Temple d'Abou Simbel I. Centre de Documentation et d'Études sur l'Ancienne Égypte, Mémoire 1. Cairo.
Dewachter, Michel
1971 "La Déesse Hathor d'lbchek." In "Nubie-Notes diverses." Bulletin de l'Institut Français d'Archéologie Orientale 70: 100-09.
Dunham, Dows and Janssen, Jozef M. A.
1960 Second Cataract Forts I: Semna, Kumma. Boston: Museum of Fine Arts.
Edwards, I. E. S., ed.
1939 Hieroglyphic Texts from Egyptian Stelae, \&c., Part VIII. London: The British Museum.


## CHAPTER 5

## CONCLUSION

The eras so far discussed in the volumes published to date of the current series and related publications have been marked by shifting centers of activity and changing intensity of occupation in Nubia as a whole. This feature and the remarkable cultural elasticity of the inhabitants of the region are problems of paramount significance in the investigation of any period, even the New Kingdom, which has been conceived in relatively simple terms as an age of uninterrupted Egyptian domination.

## A. CHRONOLOGY

The New Kingdom materials from Qustul and Adindan are divided into five or six chronological categories extending from the end of the Second Intermediate Period to the late New Kingdom (see tables 2-4, pp. 14-20). Since the categories continue well into the Ramesside period, the assumption that the area was depopulated in the later New Kingdom must be modified. In the absence of a systematic re-evaluation of the evidence, the following brief remarks are intended to identify a number of contexts that contain late New Kingdom remains or tombs that may have been made in the late New Kingdom.

The chronological conclusions derived from Qustul and Adindan could be extended to other areas of Lower Nubia, even using only the limited evidence furnished by the dated groups identified in Chapter 1, supplemented by dated objects, late imports, such as stirrup jars, and a few other objects that do not appear in early New Kingdom contexts. Because the objective of the inquiry is limited to identifying remains that can be dated at least partly to the later New Kingdom (table 18, p. 142), it is possible to assign dates to some materials even in very mixed contexts. For the same reason, it is also possible to give a very general date to poor burials of the Ramesside period.

Because the fortresses of the Middle Kingdom were not accompanied by substantial cemeteries indicating permanent settlement, the presence of burials may be taken as the best indication of actual occupation. Many of the burials between Aswan and Amara that are datable to the later New Kingdom are indicated in table 19 (pp. 143-45). ${ }^{1}$ It is quite clear that some kind of settlement existed in all of the major regions during the period.

1. The locations of most named sites are indicated on a map in Williams 1990b, fig. 1 , or on the frontispiece of this volume; other sites are indicated on maps included in the works cited.

Small cemeteries are scattered at intervals along the edge of the valley. Some $(89,152)$ consist of single large tombs, while others $(172,204)$ are small clusters or cemeteries with mostly single burials, often very poor. In some cases, cemeteries continue burial grounds that were first used in the early Eighteenth Dynasty. ${ }^{2}$ The most important continuing cemeteries were at the fortresses of Kuban ${ }^{3}$ and Aniba. ${ }^{4}$ In addition, there were also important rock tombs at various locations. Important changes during the early New Kingdom included the abandonment of cemeteries that continued C-Group and Pan Grave cemeteries, especially between Afya ${ }^{5}$ and Masmas. ${ }^{6}$

Table 18. Pottery of Late New Kingdom Date

| Vessel | Remarks |
| :---: | :---: |
| BOWLS |  |
| CB-4aii | Flat based, convex |
| CB-4aiii | Flat based, convex |
| CB-4aiv-vi | Flat based, convex |
| CB-5b | Convex based bowls, shaved, sometimes to a point |
| JARS |  |
| CJ-5axii | Long, concave-necked jar, late Eighteenth Dynasty |
| CJ-5axiii | Long, concave-necked jar, late Eighteenth Dynasty |
| CJ-11b | Simple handled jar (minor index) |
| CJ—8bii | Funnel-necked jar |
| CJ-8biii | Funnel-necked jar |
| CJ-8biv | Funnel-necked jar |
| STORAGE AND SHIPPING AMPHORAE |  |
| AM-3b and related | Tapered-pointed amphorae |

The region from Faras southward is more difficult to analyze. The excavations and surveys on the west bank are largely unpublished,' but sites excavated on the east bank, mostly north of Wadi Halfa, have been published in detail (essentially the Scandinavian concession during the rescue, Säve-Söderbergh and Troy 1991). The chronology is based on the distribution of features in the largest cemetery (185, ibid., pp. 212-52), limited to
2. Such as Cemetery V.
3. Firth 1927: 46-98.
4. Steindorff 1937.
5. Emery and Kirwan 1935: 208.
6. Emery and Kirwan 1935: 328-32.
7. See Verwers 1961, Verwers 1962, Nordström 1962, and Mills and Nordström 1966. These surveys and the sites at Argin are discussed in Williams 1990b: 34-36 and table 12. Many sites were actually Napatan.
the Eighteenth Dynasty, and is connected to historical chronology by the local occurrence of scarabs (ibid., pp. 221-23). The lack of Ramesside scarabs may be telling in such a large number of groups, but the general poverty of late New Kingdom burials makes it difficult to exclude some continuation. ${ }^{8}$

As yet, little is known about the area between the second cataract and the New Kingdom complex at Amara, but the two tombs actually datable to the New Kingdom from the recent survey, at Amara West and Ginis West, are both Egyptian style chamber tombs and both are late New Kingdom.

If it would be an exaggeration to assert that Lower Nubia was essentially depopulated by the end of the fifteenth century B.C., changes did take place in the resident population, probably as the nature of New Kingdom occupation in Nubia itself changed. The significance of these changes will be easier to assess when some of the large sites in the Dongola Reach, located between the third and fourth cataracts, become better known. At present, it might be said that the changes in New Kingdom settlement in Nubia were more trends than dramatic reversals, trends that apparently corresponded to changes in settlement opportunity that developed in tandem with Egyptian political power in Nubia.

Table 19. Late New Kingdom Remains in Lower Nubia

| Location/Type | Tombs | Remarks |
| :---: | :---: | :---: |
| Aswan, Cemetery 7 | $\begin{aligned} & 2 / 3,4,9,11 \text { (Ramesses II), } \\ & 13,14 \end{aligned}$ | Mostly mixed, made earlier; Shawabis, scarab terminus, pottery ${ }^{9}$ |
| Dabod, Cemetery 24 | 1,51,204 | Kohl tube, shawabti, faience rings, pottery as Cemetery 7, late bowls ${ }^{10}$ |
| Siali, Cemetery 40 | 107 | Late bowls ${ }^{11}$ |
| Bugga, Cemetery 47 | 18 | Late bowls ${ }^{12}$ |
| Bugga, Cemetery 48 | 101+ others | Many tombs, only a few described ${ }^{13}$ |
| Awam, Cemetery 89 | 175 | Single tomb ${ }^{\text {i4 }}$ |
| Dakka Area, Cemetery 94 | 101, 111, 134 | Bowl XXVc, L. XVIII+ ${ }^{15}$ |

8. Holthoer 1977 includes a number of vessels that continue to appear in later groups elsewhere, notably CU 4, IR/O/d-f; see also pottery JU 1 (jugs with tall necks), CU 1 (especially IR/O/f-g), CU 5, PL 2, FU 1, and NJ 3 (IR/O/i-k). The present citations include the most likely occurrences.
9. Reisner 1910: 60-72; for pottery, see figs. 302-27: Types VIII, 2-6; IX, 5; X, 1, 2, 6; XX; XXIV, 4, 10; and XXV, 13; for Ramesside glyptic from tomb 11, see pl. 71b: 6.
10. Reisner 1910, figs. 302-27, various; note fig. 310: 5.
11. Reisner 1910: 244-45.
12. Reisner 1910: 279-81.
13. Reisner 1910: 281-82; note the scarab with the name of Amenhotep III.
14. Firth 1912: 189-90; not the juglets, pl. 42a.
15. Firth 1915: 142-47.

Table 19. Late New Kingdom Remains in Lower Nubia (cont.)

| Location/Type | Tombs | Remarks |
| :---: | :---: | :---: |
| Dakka Area, Cemetery 96/1 | 2, 3, 101, 107, 109, 111 | Bowls, rings, amulets, terminus Rameses II, amphora, painted ${ }^{16}$ |
| Dakka Area, Cemetery 98 | 803 | Baboon seal, not XXV style, bowl ${ }^{17}$ |
| Awam/Dakka, Cemetery 110 | $\begin{aligned} & 143-144,145,148,156 \\ & 157,161,171,179,180 \\ & 182,183,191,199,200 \\ & 229,242,269,276,277 \\ & 283,285,289,308,315 \end{aligned}$ | Pottery, amulet ${ }^{18}$ |
| Awam/Dakka, Cemetery 111 | 27 | Bowl ${ }^{19}$ |
| Awam/Dakka, Cemetery 120 | 29, 32, 57 | Bowls-31, 33 early ${ }^{20}$ |
| Aniba |  |  |
| S | Very many ${ }^{21}$ | Shawabtis, termini-scarabs, inscriptions, pottery ${ }^{22}$ |
| Qustul-Adindan | Tombs ${ }^{23}$ |  |
| Buhen |  |  |
| H | $\begin{aligned} & \mathrm{H} 4,12,18,19,30 \\ & 34,36,70,78,80 \end{aligned}$ | Pottery si-iii, sxxxix, sxl, sxli (stirrup jar), sxlii (same), slvi (type not precise) ${ }^{24}$ |
| J | J11, 13, 30, 44, 46 | Same ${ }^{25}$ |

16. Firth 1915: 147-53.
17. Firth 1915: 155.
18. Firth 1927: 77-97.
19. Firth 1927: 111.
20. Firth 1927: 153-54.
21. Steindorff 1937, tombs S1, 7, 23, 25, 49, 55 (pyramid), 56 (pyramid), 57,58 (pyramid), 59, 60, 61 (pyramid), 62, 63 (pyramid, Ramesside), 65 (pyramidion, ' $n w$ ), 89, 90 (Messui, late Nineteenth Dynasty), 91, 92 (Ramesside), 100, 103, 109 (pyramid), 112 (?), SA5 (pyramid), SA6 (pyramid, Pennut II, Twentieth Dynasty), SA7 (pyramid), SA11, SA12 (Nineteenth Dynasty), SA14, SA23, SA30, SA31, SA32, SA33 (pyramid), SA34 (King's Son of Kush, Seti, end of Nineteenth Dynasty), SA35 (pyramid, Terminus Seti I), SA36 (pyramid, Messui, Twentieth Dynasty), SA37 (pyramid), SA38 (Panehsi).
22. Steindorff 1937; later New Kingdom pottery includes pls. 67-89: 8b3, 8b4, 8c2, 12, 13b, 14-1, 26-4, 28 $1,2,29,30,34 b, 35 a 3,36 a 1-2,4-5,44 b 2,46 a 4-5,47-3$. Except for the pyramids, most are mixed; except for SA37, the Aniba pyramids are all of Nineteenth-Twentieth Dynasty date, but SA37 may have reused pottery as do possibly some others.
23. See Chapter 1 above; in addition, a number of rock-cut tombs explored by the University of Milan at Abu Simbel East (Fariq) are noted on the Documentation Center maps of the concession furnished to the Oriental Institute Nubian Expedition. Some of these were probably tombs of priests and temple officials of the late New Kingdom.
24. Randall-MacIver and Woolley 1911, see pls. 45-48 for pottery types; for Cemetery H, see pp. 137-66.
25. Randall-MacIver and Woolley 1911: 167-79.

Table 19. Late New Kingdom Remains in Lower Nubia (cont.)

| Location/Type | Tombs | Remarks |
| :---: | :---: | :---: |
| Buhen (cont.) |  |  |
| Jebel | Rock-cut tombs | Late New Kingdom? ${ }^{26}$ |
| Turob |  |  |
| West bank, below Semna West |  |  |
| Sarras (and others) ${ }^{27}$ | Various |  |
| Semna |  |  |
| Fort | Various ${ }^{28}$ |  |
| S500 | Rock-cut tombs | S515 ${ }^{29}$ |
| Ginis West 3-P-50 |  |  |
| Stairway, chambers | 1 | Includes Twentieth Dynasty/Napatan ${ }^{30}$ |
| Amara West 2-R-8 |  |  |
| Shaft | $1^{31}$ |  |
| Complex ${ }^{32}$ |  |  |

## B. TRADITIONS IN NEW KINGDOM NUBIA

The mixture of cultures in C-Group phase III culminated during early New Kingdom times in a variable combination of Nubian and Egyptian culture. In some cases, older cultures continued to be recognizable as C-Group, Pan Grave, or Kerma; in other cases, burials can only be identified as Nubian, rather than Egyptian. ${ }^{33}$ However, most New Kingdom burials contain only New Kingdom Egyptian objects and practices, even when they continue a Nubian cemetery.

At Qustul and Adindan, the cemeteries contained mostly double-chamber tombs of Egyptian type, with a number of shaft graves. Only in the vicinity of Cemetery K were the
26. For a summary of late New Kingdom inscriptions, see Smith 1976: 210-17.
27. Dunham 1967: 183 (sheet E), 31/2/183 (Sarras); 28/1/572B; p. 184 (sheet F), VII, 28/1/572B; p. 185 (sheet G), 31/3/31.
28. Dunham and Janssen 1960, fig. 15, 28-1-572a, 28-1-248 (Semna fort).
29. Dunham and Janssen 1960, fig. 37, 24-2-554 (late Eighteenth Dynasty).
30. Vila 1977a: 145-59.
31. Vila 1977b: 28-31.
32. Vila 1977b, especially p. 23 for bibliography. For funerary remains at Soleb, see Schiff Giorgini 1971, especially pls. XII (scarabs) and XIII-XVI (pottery); for burials at Sai in the New Kingdom, see especially Venot 1974 (MX-TD), Minault and Thill 1974: 77-102 (early and late New Kingdom), Minault and Thill 1975: 67-90 (tomb 14, mid to late), and Gout-Minault 1976: 87-103 (SAC 5, late). For mixed material including New Kingdom pottery at Sai, see Hesse 1981: 7-45.
33. Bietak 1968: 126-27.
single burial tombs so arranged that they could convincingly be regarded as continuing the C-Group/Pan Grave burials in the same location. Above, on the cliff, however, the Egypt Exploration Society survey found at least one C-Group tomb with mid-Eighteenth Dynasty pilgrim bottles. In altered form, the tradition continues in Cemetery 189, where, like Cemetery K, Egyptian style graves continue a C-Group cemetery.

Pan Graves may also be identified in the New Kingdom, where specific practices are continued, or where characteristic Pan Grave objects were used in substantially Egyptianized tombs. The best example was Cemetery 201, where Egyptian-style rectangular graves, some with single burials and stone superstructures continue a typical Pan Grave cemetery with round shafts. The contents became more and more Egyptian, but typical Pan Grave pottery was still present.

Most New Kingdom tombs in Lower Nubia cannot be assigned to C-Group, MedjayPan Grave, or Egyptian tradition from available evidence or even distinguished as "Nubian." Many tombs and cemeteries may belong to "Nubians" that otherwise contain no feature characteristic of any one of the earlier major groups. Even near the fortresses, such as at Serra, it is likely that many burials belonged to "Nubians" who had become substantially Egyptian in culture. ${ }^{34}$ Nubians and Egyptians are even more difficult to distinguish in later burials, but late tomb shafts at Aniba have graffiti that could only be local in origin. ${ }^{35}$ In fact, the Egyptianization of burials may be related to a religious change that accompanied the Egyptian ascendancy. ${ }^{36}$

The following sites and cemeteries in lower Nubia appear to continue occupation by a Nubian culture: $69,{ }^{37} 72,{ }^{38} 76,{ }^{39} 94$ (the cemetery ends in the Amarna period), ${ }^{40} 108,{ }^{41} 130,{ }^{42}$ $154,{ }^{43} 167$ (continues to Thutmose III, possibly later), ${ }^{44} 168,{ }^{45} 189$ (important), ${ }^{46}$
34. See Williams, forthcoming ${ }^{\text {a }}$, chap. 4, and Hughes 1963: 121-22 and pl. 26b. Great New Kingdom tombs at Serra had tumuli.
35. See Steindorff 1937, pls. 31-33.
36. See Williams 1991 c , for a discussion of the problem of religious polarity and its archaeological expression.
37. Firth 1912: 66-74.
38. Firth 1912: 80-87.
39. Firth 1912: 111-23.
40. Firth 1915: 105-07, 141-47.
41. Firth 1915: 140, 157-58.
42. Firth 1927: 177-85 (all New Kingdom, but some C-Group pottery).
43. Emery and Kirwan 1935: 122-48.
44. Emery and Kirwan 1935: 182-94 (C-Group with a few New Kingdom objects).
45. Emery and Kirwan 1935: 194-99.
46. Emery and Kirwan 1935: 212-67.

201 (important), ${ }^{47} 203$ (important), ${ }^{48} 177$ (C-Group to New Kingdom), ${ }^{49} 181$ (C-Group to New Kingdom), ${ }^{50}$ and Serra (residence, possibly burial tumuli of early rulers of Teh-Khet). ${ }^{51}$

In addition to sites that continue directly into the New Kingdom, there are many sites that have not been convincingly dated. Some of these definitely contained material of Napatan date, but the burial types were long-lasting and there is no reason to believe that the larger sites were actively used only in the Napatan period. ${ }^{52}$
47. Emery and Kirwan 1935: 312-27 (with some Pan Grave and C-Group?).
48. Emery and Kirwan 1935: 328-32 (with C-Group; chamber tomb also).
49. Emery and Kirwan 1935: 208.
50. Emery and Kirwan 1935: 209.
51. See Williams, forthcoming ${ }^{\text {a }}$, chap. 4, for discussion.
52. See Williams 1990b: 31-45. Some of the cleft/boulder graves were particularly difficult to date because they lacked objects, making it necessary to date large clusters on the basis of a few contexts.

## APPENDIX A

## HISTORICAL EVIDENCE FOR THE DATE OF THE GREAT TUMULI AT KERMA

The order of the great tumuli at Kerma is now established as K XVI, K X, K IV, and K III, reversing Reisner's original sequence and following the chronology first implied by Gratien, ${ }^{1}$ stated explicitly by Adams, ${ }^{2}$ and demonstrated by O'Connor in detailed arguments, ${ }^{3}$ pace Williams. ${ }^{4}$

Although researchers in Nubian studies have generally accepted a Second Intermediate Period date for these tumuli, direct historical evidence for their date has not been admitted, even though it has been known for some time. ${ }^{5}$ Since the date of the great tumuli is essential to understanding their relation with such historical records as the Kamose stela and the Buhen documents, the question is of importance for the present work and of considerable consequence for any discussion of the first half of the second millennium B.C.

One reason why the great Kerma tumuli have not been dated by historical evidence is their damaged and plundered condition. However, many burials within the tumulus were not seriously damaged, and these provide useful contexts in which historical evidence may be found. The historical situation may help to evaluate the main burials. Since pharaonic monuments were magical, thought to be effective generative forces, their destruction by a victorious enemy would be the logical outcome of conquest. It is therefore likely that the destruction of these burials occurred for political reasons and that loot was a strictly secondary consideration. The objects from the main burials can thus be considered part of the original deposits.

## THE DATE OF TUMULUS K III AT KERMA

Apart from the sculpture that misled Reisner into dating Kerma to the Twelfth Dynasty, one object is connected directly to the known dynastic sequence in Egypt, an inscribed alabaster jar from a subsidiary burial, K 334-18.6 The jar was found partly under the bed

1. Gratien 1978: 224-49.
2. Adams 1977: 41-51.
3. O'Connor 1984: 66-81.
4. Williams 1979: 302.
5. Von Beckerath 1964: 257, item XIII-37 no. 5, for example.
6. Reisner 1923 IV-V, p. 524, no. 46, type I-1, no. 6.
of the main burial in a mass of pottery. ${ }^{7}$ Since the burial was only slightly disturbed, and the grave still contained valuable metal objects, ${ }^{8}$ the vessel must have been part of the original burial. Although the side-walls of the grave had been built after the main structure of the mound, and the surface of the mound had been denuded and reburied under sand, K 334 belonged to a group Reisner identified as having a special relationship with the tumulus, ${ }^{9}$ and the finds were not distinguished from the archaeological group of tumulus K III except for their richness. Neither the grave nor its contents could be considered intrusive. Jar K 334-18 may therefore be considered direct evidence of the date of tumulus K III and its correlates.

The inscription consists of "three badly written vertical lines in a rectangle on one side."

$$
\begin{aligned}
& \text { htp di }[n s w] d i=f m r h t(?) \\
& n k=n \text { histy-p‘n } \\
& \text { nhn sbk-nht }
\end{aligned}
$$

The name and title as well as the shape of the jar associate it with Sebeknakht II, Mayor of el-Kab in the Seventeenth Dynasty. The peculiar spelling of his title is found only in that tomb, and stone vessels with this shape and inscription are depicted on its walls. The character of the inscription assures that the vessel was part of Sebeknakht's funerary equipment. It was therefore probably not exported from Egypt until the tomb was plundered.

The date of Sebeknakht is established approximately but firmly by his predecessor Sebeknakht I, who purchased the office of Mayor of el-Kab in year 1 of Nebiryerau I, the sixth ruler of the Seventeenth Dynasty. ${ }^{10}$ The beginning of that Theban dynasty must be established at some point after the preceding Thirteenth Dynasty ceased to be recognized in Upper Egypt. ${ }^{11}$ The latest pharaoh securely placed in the Thirteenth Dynasty sequence who was clearly recognized in Upper Egypt was Djedneferre‘ Dudumose, the thirtyseventh ruler, invoked on stelae from Gebelein and Tell Edfu, a graffito near el-Kab, and on blocks from Deir el-Bahri, a convincing combination. ${ }^{12}$ Although various estimates might be given for the length of the dynasty before the emergence of the Seventeenth, complete reigns alone total almost ninety years. ${ }^{13}$ Since these derive from fifteen rulers,
7. Reisner 19231-1II, fig. 47 and pp. 170-72.
8. Ibid., nos. 1-14, 42-45, lion inlays; 30, razor; 31-32, beakers; 40, mirror.
9. lbid., pp. 182-83.
10. See von Beckerath 1964: 181-83 for Nebiryerau and the mayors of el-Kab. These mayors were descended from the vizier Ay .
11. lbid., pp. 165-69.
12. Ibid., pp. 256-57, for a list. Others attested in Upper Egypt from this part of the Thirteenth Dynasty who were less securely placed were Djedhetepre‘ Dedumose (XIII I), p. 256, and Sewahenre' Senebmiu (XIII 41?), p. 258.
13. Williams 1975, table 11, compiled from von Beckerath 1964: 226-57.
only one of which reigned less than a year, some time must be allowed for the remaining twenty-two. A date for either Dedumose before the middle decades of the seventeenth century is highly unlikely. ${ }^{14}$

Although the first reign of the Seventeenth Dynasty is not preserved in the Turin Canon, the second (three years), third (sixteen years), fourth, and fifth rulers (one year each) total 21 years. ${ }^{15}$ If the founder was indeed Nubkheperre ${ }^{\text {© }}$ Inyotef, he was one of the best attested rulers of the dynasty, reigning at least (and probably much more than) three years. ${ }^{16}$ Thus a minimum of a quarter-century separates the beginning of the dynasty (ca. 1668-1550 B.C.) from the establishment of Sebeknakht I at el-Kab.

A second line of evidence, developed by Klaus Baer, supports the political reconstruction of von Beckerath paraphrased above. Sometime before the end of the Thirteenth Dynasty, Horemkhauef of Nekhen traveled to ltj-tawy to receive a statue from the hands of the pharaoh, ${ }^{17}$ indicating that the entire reach recognized only a single ruler, e.g., the Thirteenth Dynasty, and it was not a collection of local sovereignties. His tomb, possibly made long after his trip, was decorated by the same man who decorated the tomb of Sebeknakht II. ${ }^{18}$ The period is therefore compact enough for one professional career to span these two tombs, but it still difficult to believe that Sebeknakht II ruled el-Kab earlier than the 1620 s b.c. This would mark the earliest possible date for the closing of tumulus K III at Kerma, although certainly not the latest, or even the most plausible date.

## THE DATE OF TUMULUS K XVI AT KERMA

The earliest of the four great tumuli, K XVI, had been plundered, like all the others in the series. However, a vast amount of fragmentary material was found in the main burial chambers, either dumped back in plundering ${ }^{19}$ or turned over in place. The material included a great number of faience and stone vessel fragments. Twelve stone fragments were identified by Reisner as coming from an enormous basin of clear alabaster. ${ }^{20}$ Since there were many fragments and their appearance was not unusual in the tomb, the basin must be regarded as part of the original equipment of the burial that was destroyed when the tumulus was plundered. In any case, it is hard to believe that the basin was transported from some other part of the cemetery to be smashed in tumulus K XVI( $\Lambda$ ).

[^14]The basin was inscribed with a cartouche that ends in $m s^{21}$ or at least an $s$, which first appears in Middle-Kingdom/Second Intermediate Period royal names with Dedumes. The main burial would therefore date after the last years of the united Thirteenth Dynasty in the 1770 s or 1760 s B.C.

SUMMARY
The discussions (above) of tumuli K III and K XVI, which do not exhaust the historical evidence from Kerma, demonstrate that tumulus K III was closed after the death of Sebeknakht of el-Kab and that tumulus K XVI was not earlier than the second quarter of the seventeenth century. If the four tumuli were assigned approximate dates at twenty-five year intervals, from K XVI ca. 1670-1660 or even 1650 , then tumulus K X would date to ca. 1645-1625, tumulus K IV to ca. 1620-1600, and tumulus K III to ca. 1595-1575. These dates may be somewhat too early, but it must also be remembered that there are no definite Eighteenth Dynasty objects in tumulus K III.
21. The cartouche was badly destroyed, preserving only one part of two signs. Reisner read the signs $m s$ and identified the ruler as Dedumes (I) (see Reisner 1923 IV-V, pl. 39, pp. 502 and 517-19, and fig. 343, no. 34). Säve-Söderbergh (1941: 111) considered the reading of $m s$ uncertain, but von Beckerath assigned the vessel to Dedumes II (1964: 257) without being able to propose an altemate identification. In any case, no royal $m s$-names occur earlier than Dedumes.

## APPENDIX B

## INSCRIBED COFFIN FRAGMENTS

Although coffins were extremely common, only three were preserved well enough for their inscriptions to be partly recorded. The other coffins were so badly destroyed that only debris and a few fragments remained. The inscriptions consist of the usual formulae and no attempt is made to interpret them in detail here. Part of the coffin of Senisenbu is preserved in the Oriental Institute. The inscriptions were recorded by Seele in hand copy, which formed the basis for the typeset inscriptions. The inscription on the coffin of Senisenbu was collated with photographs.

The best preserved coffin remains were large fragments from the coffin of Senisenbu (V 48-5, OIM 22369, pls. 30-32) found in the richest New Kingdom tomb. The coffin was originally an anthropoid coffin with yellow lettering on a black surface, a type well known in the Eighteenth Dynasty. It should be noted that some of the signs are confused. For example, on the left side of the coffin, the throne in the name of Osiris is a rs sign; the $n$ sign is sometimes drawn as a straight line and sometimes as a row of very short strokes (here typeset as the normal $n$ sign).

The attribution of the other two inscribed coffin fragments (coffin of Wr and coffin of T' $h$-mśs) may be reversed, although they both are assigned to R 40 ( 44,68 [OIM 21624]). It cannot be determined whether they belonged to the category of black coffins.


Inscription A. Left Side of Coffin of Senisenbu



Inscription C. Right Side of Coffin of Senisenbu


## Inscription D. Right Side of Coffin of Senisenbu




Inscription I on Left Side of Coffin of Wr


| S |  |  |  |  | S | 81 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| t |  |  |  |  | t | 3 |  |
| a |  |  |  |  | a |  | $\bigcirc$ |
| n |  |  |  | $\pm$ | n | 0 |  |
| d | $\cdots$ | $\pm$ | d | $\otimes$ | d |  |  |
| i | 2 | $\cdots$ |  | 4 | i |  |  |
| n | 18 | N以 |  | U | n |  |  |
| g | 18 |  |  |  | g |  |  |
|  |  | Nm |  | $\square$ |  |  |  |
| D |  | - |  | B | D |  |  |
| i |  |  |  | - | i |  |  |
| v |  |  |  |  | v |  |  |
| i |  |  | - |  | i |  |  |
| n |  |  |  |  | n |  |  |
| i |  |  |  |  | i |  |  |
| t |  |  |  |  | t |  |  |
| y |  |  |  |  | y |  |  |

Inscription III on Right Side of Coffin of Wr

| \% |  | 7 |
| :---: | :---: | :---: |
|  |  |  |
| "V | , |  |
| ". | Aly |  |
| Nu" | M2. |  |
| W | N17 |  |
| , me | , m? |  |
| $\mathrm{Bi}_{\mathrm{H}}$ | N17 |  |
| - |  |  |
| P17 |  |  |
| 舀 |  |  |

Inscription on Coffin of 1/h-mś. One Long Vertical Line on Coffin Board

## REGISTER OF FINDS

The register is an extension of the recording on the Oriental Institute Nubian Expedition burial sheets. Apart from essential facts of burial and shape of the tomb (with a simple sketch), the burial sheets list objects found in the tomb, generally in order of their discovery. A small label identified each object with a number and information on the findspot within the tomb, which was later used as the basis for describing the provenience in the field register. Proveniences given to individual objects identify the tomb quite clearly, but the original location of scattered fragments within the tomb was often not indicated precisely. Some large tomb groups in cemeteries R and V contained clusters of nearly identical pottery vessels which could not be distinguished individually. The problematical vessels are noted with alternative identifications. The register in 1962-1963 identified objects and samples; sherds were identified only by tomb number and not registered separately; some complete vessels were not registered. In 1963-1964, only objects were registered; material samples and sherds were identified only as coming from a certain locus. In some cases, relatively undistinguished small objects were considered samples. Both types of recording were encountered. Although the individual objects, sherds, and samples were clearly noted by location, entries on some burial sheets, such as "sherd sample taken," indicate that the recovery of sherds was not complete and was probably haphazard. A number of items were discarded at the end of the season or were left in the tombs. Since relatively little of the New Kingdom material consists of sherds, a vehicle accident in 1964 that misplaced some of the sherds had no effect on the New Kingdom evidence.

## TOMB DESCRIPTION

The entry gives the type of deposit, a simplified description, and dimensions as recorded in meters. Illustrations are cited in the right margin. Most of the tombs had chambers or niches (loculi) which were blocked off from the shaft. Many also had superstructures. The descriptive entry therefore includes subdivisions.

## BURIAL

The position of the body is given by four entries separated by a solidus ( $=/$ ) that give the (river) direction of the head (toward the S, N, E, W, etc.), the basic position (B for back; R or $L$ for right/left side), the position of the legs (almost always extended), and the position of the hands. Note that the position of the hands was not always recorded with complete clarity. The phrase sides-pubis is used to designate ambiguous situations. The term pubis refers to placement on the pelvis, extending from the bone inward, or directly on the pubis; the difference was not generally clear in the sketches.

## BODY

The age and sex of the body are given as they were recorded by members of the expedition. In 1963-1964, the anthropologist was Duane Burnor. The categories used were infant I and II, juvenile, adult, mature, and senile. In doubtful cases, the categories are hyphenated. Sometimes, an estimate in years or months was indicated.

## OBJECTS

Apart from the burial and sherds, the contents of the tomb are listed under the heading "Objects." Subheadings indicate the location of various objects within the tomb. Important individual objects are listed, generally in the numerical
order established in the field. A few objects were added to this list in Chicago, and the numbers were sometimes changed for publication (the key number for any object is the OIM number [Oriental Institute Museum, Chicago] or the field number in cases where the object was assigned to the Cairo Museum). Each object has a brief verbal descriptive designation, sometimes with a descriptive code that locates it in the appropriate discussion or table, table 6 in the case of pottery and table 8 in the case of stone objects. Brief descriptive information on decorated pottery is included in the present register, with Munsell color readings for selected pieces. Measurements are given for many objects that are not illustrated. Beads are indicated only by tomb and OIM number, having a separate tabular presentation in Chapter 3 (table 12). To avoid excessive repetition in presentation, two values are assumed in the following register unless otherwise indicated. Most pottery vessels were made of ordinary clay and belong to Form Group I; all vessels not otherwise assigned belong to this category. Likewise, most of the stone vessels were made of the calcite commonly known as "Egyptian alabaster"; this material-calcite-may be assumed unless the entry describes the vessel differently.

## A. CEMETERY R

Cemetery $\mathbf{R}$ (pl. 2) consisted of a large cluster of New Kingdom and X-Group tombs with a few Christian graves located on the low desert near the southern end of Qustul village at the 125 mR . L. contour. The New Kingdom cemetery contained large chamber tombs that were fairly rapidly filled with burials, mostly in the sixteenth and fifteenth centuries B.C. They were located in the southeastern part of the cemetery. For the X-Group tombs, see Williams 1991b, tables 5 and 41. Following is a list of the tombs with records or locations on the plan. Note that non-italic numbers indicate New Kingdom tombs, italicized numbers indicate later tombs, and parentheses enclose Christian tombs:

$$
\begin{aligned}
& 2,3,4 \mathrm{~B}, 4 \mathrm{~A}, 6,(7), 8,9,(12), 13,14,15,16,17,18,19,20,22,23,24,25,26,27,28,29,(30),(31), 32, \\
& 33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,56,58,59,60,61,62,63, \\
& 64,65,66,67,68,75,76,(77), 78,79,(80), 81,82,83,84,85,86,87,88,89,(90), 91,92,94,95,(96) \\
& (97), 99,(101), 103,(113), 120,121
\end{aligned}
$$

New Kingdom tombs to the east of the house: 54, 56, 57, 55
Child burials of uncertain date, with only textiles, extended: 113, 96, 80, 90
Table 20. Register of Finds in Cemetery R at Qustul
Tomb Description and Contents $\quad$ Cairo $\quad$ OIM Figure/Plate

R 3 Pit burials of uncertain date
Two intersecting oblong pits
A. N-S (river NW-SE) $1.10 \times 0.30-0.50 \times 0.60 \mathrm{~m}$, irregular oval
B. NE-SW (river $\mathrm{N}-\mathrm{S}$ ) $? \times 0.40 \times 0.35 \mathrm{~m}$, subrectangular

Burial: - (apparently in pit A)
Body: "infant II"
Object:

1. "Incomplete red ware dish in debris of shaft" (sketched, CB-3) "Bagged"

## R 4B

Shaft with two end chambers ${ }^{1}$
Shaft: rect., $1.97 \times 0.60-0.75 \times 1.80 \mathrm{~m}$, step to $W$ chamber at -0.20 m
W chamber: 1.70 (including step) $\times 1.00-1.10 \times 0.75-1.10 \mathrm{~m}$

1. R 4B was located under tumulus R 4 .

Table 20. Register of Finds in Cemetery R at Qustul (cont.)

| Tomb Description and Contents | Cairo | OIM | FigurelPlate |
| :---: | :---: | :---: | :---: |
| R 4B (cont.) |  |  |  |
| E chamber: $2.30 \times 1.30-1.40 \times 1.10 \mathrm{~m}$, floor flush |  |  |  |
| Blocking: one row of cb. remaining at each chamber |  |  |  |
| Burials: |  |  |  |
| a. In W chamber: |  |  |  |
| A-C. - |  |  |  |
| b. In E chamber: |  |  |  |
| D. N/B/ex.?/sides-pubis, in coffin |  |  |  |
| E. $\mathrm{N} / \mathrm{B} / \mathrm{ex}$. ?/sides-pubis, in coffin |  |  |  |
| F. "Contracted facing $N$," (W) in coffin ${ }^{2}$ |  |  |  |
| Bodies: |  |  |  |
| A-C. 2 senile, ${ }^{3} 1$ adult |  |  |  |
| D. Mature male |  |  |  |
| E. Mature female |  |  |  |
| F. "Child" |  |  |  |
| Objects: |  |  |  |
| a. From shaft: |  |  |  |
| 1. Jar |  | 35602 |  |
| 2. Dec. sherd |  | - |  |
| b. From W chamber: |  |  |  |
| 3. Bowl | Q830 |  |  |
| 4. Bowl CB-4aiii; int. smooth, pk. rim band |  | 20654 | figs. 1v, 18c |
| 5. Plaque, st., nfr, border, concentric circles, reversed lions | Q844, 89932 |  | fig. 11a |
| c. From E chamber: |  |  |  |
| 6. Bowl CB-7a, hor. bur., lt. ct. int. and ext. ptd. bands |  | 20650 | fig. 18b |
| 7. Bowl CB-4aiii, smooth, pk. rim band |  | 20652 | fig. 18a |
| 8. Bowl CB-4aiii, smooth, pk. rim band |  | 20653 | fig. 18d |
| 9. Jar UJ-2a, smoothed |  | 20649 | figs. $2 \mathrm{j}, 18 \mathrm{~g}$ |
| 10. Jar UJ-2a, smoothed |  | 20651 | fig. 18f |
| 11. Jar PJ-2div gamma, det. red ct., 4 bands |  | 20648 | figs. 8i, 18e |
| 12. "Pot contents" |  | 20661 |  |
| d. Unc. loc., presumably E chamber: |  |  |  |
| 13. Beads |  | 20666 | fig. 17q, r |
| 14. Wood frags., from coffin? |  | Disc. |  |
| e. Unc. loc., in E chamber: |  |  |  |
| 15. Coffin remains, burial C |  | Disc. |  |
| 16. Coffin remains, burial D |  | Disc. |  |

[^15]Table 20. Register of Finds in Cemetery R at Qustul (cont.)


Figure 18. Objects from Tomb R 4B: (a) No. 7, (b) No. 6, (c) No. 4, (d) No. 8, (e) No. 11, (f) No. 10, (g) No. 9. Scale $2: 5$ R 9

Shaft with side chamber
Shaft: $1.90 \times 0.46 \times ? \mathrm{~m}$
Chamber, on $S$ side: $1.90 \times 0.46 \times 0.71 \mathrm{~m}$
Blocking: single thickness of brick, $0.33 \times 0.17 \times 0.08 \mathrm{~m}$

Table 20. Register of Finds in Cemetery R at Qustul (cont.)

| Tomb | Description and Contents | Cairo | OIM | Figure/Plate |
| :--- | :--- | :--- | :--- | :--- |

R 9 (cont.)
Burial: W/B/ex./pubis
Body: senile male
Object:

1. Jar CJ--5aiii, red ct.


Figure 19. Object from Tomb R 9: No. 1. Scale 2:5

R 13
Shaft with end chamber ${ }^{4}$
Shaft: $-\times 0.64-0.84 \times 1.52 \mathrm{~m}$
Chamber: $2.05 \times 0.80 \times 0.85 \mathrm{~m}$ floor at +0.10 m from shaft, ceiling irreg.
Blocking: wall 2 cb . long, $0.08 \times 0.16 \times 0.33-0.34 \mathrm{~m}, 5$ courses
Burial: W/-1-1
Body: senile female
Objects:

1. Jar CJ—5aiii, smoothed, red/pk. ct., very chaffy 20733 fig. 20b
2. Jar PJ-2ciii or 2di, bur.
3. Scarab, bl. gz. st., falcon-headed human figure with hs vase
fig. 20a
fig. 11c
4. Broken into by R 12 of late date, shaft confused.

Table 20. Register of Finds in Cemetery R at Qustul (cont.)


Figure 20. Objects from Tomb R 13: (a) No. 2, (b) No. 1. Scale 2:5
R 17
Shaft with end chambers
Shaft: $-\times 0.66 \times-m$
Chamber: oval, $2.16 \times 1.12 \times 0.53 \mathrm{~m}$
Blocking: 2 rows perpendicular cb. in 3 courses
Burial: W/B?/ex.?/-
Body: mature male?
Objects:

1. Bowl CB—lc, smoothed int., pk. rim band
2. Bowl
3. Jar PJ—2dvi, hor. bur. red ct., bk. bands

20745
-
20737
Q923, 89932
fig. 21a
figs. $8 \mathrm{k}, 2 \mathrm{lb}$
fig. 11d
5. The tomb was not completely excavated.

Table 20. Register of Finds in Cemetery $R$ at Qustul (cont.)


Figure 21. Objects from Tomb R 17: (a) No. 1, (b) No. 3. Scale 2:5

R 19
Shaft: ${ }^{6} 2.25 \times 0.55-0.85 \times 1.20 \mathrm{~m}$
Burials:
A. Dist.
B. W/B/ex./pubis

Bodies:
A. -
B. Adult male

Objects:

1. Scarab, gn. gz. st., lion standing, with uraeus before
2. Scarab, fa., flying vulture over sign (perhaps cartouche)
3. Stone vessel frag., kohl jar rim?

Q990, 89934
Q990, 89934
20899
4. Beads, small quantity, 2 gold 20898
5. Hair ring/earring, Ag. wire in 3 coils, dia. 1.7
6. Cowroid, st., in gold mount, bi-parabolic, ring missing, rosette
7. Ivory frags., box inlays?
8. Lid II—LI—3

20896
20897
20900
21080

20799 fig. 11e
fig. 1 If
fig. 17a, h, k, n,o
fig. 11 g
figs. $9 \mathrm{~m}, 22$, pl. 21a


Figure 22. Object from Tomb R 19: No. 8. Scale 2:5

[^16]Table 20. Register of Finds in Cemetery R at Qustul (cont.)



Figure 23. Plan, Section, and Objects from Tomb R 20: (a) Plan and Section, (b) No. 14, (c) No. 20, (d) No. 21, (e), No. 16, (f), No. 22.

Table 20. Register of Finds in Cemetery $R$ at Qustul (cont.)
Tomb Description and Contents $\quad$ Cairo $\quad$ OIM $\quad$ FigurelPlate

## R 20 (cont.)

Objects (cont.):
10. Jar PJ-2dii, red ct. hor. bur., fine

20771
20782
-
12. Jar
13. Cup
14. Kohl jar II—A3
15. Bowl sherds, 5
16. Copper tweezers

3560
17. Bowl CB-3bi, red ct., int. bur., $16.1 \times 4.4 \mathrm{~cm}$ (under burial)

20911
18. Residue from R 20-10
d. From E burial chamber:
19. Scarab, st., crowned falcon (Red Crown) and uraeus on $n b$ sign, other signs (under head)
20. Kohl jar II-B3b (under head)

Q988, 89933
fig. 26d, pl. 18c
11. Jar IV-CJ-11c
fig. 23b
fig. 23e
fig. 26 c

fig. $11 \mathrm{~h}, \mathrm{pl} .48 \mathrm{e}$
20909 fig. 23c, pl. 39e


Figure 24. Objects from Tomb R 20 (cont.): (a) No. 7, (b) No. 27, (c) No. 34, (d) No. 33, (e) No. 1, (f) No. 28. Scale 2:5


Figure 25. Objects from Tomb R 20 (cont.): (a) No. 5, (b) No. 40, (c) No. 39, (d) No. 2, (e) No. 3. Scale 2:5

Table 20. Register of Finds in Cemetery R at Qustul (cont.)

| Tomb | Description and Contents | Cairo | OIM | Figure/Plate |
| :---: | :---: | :---: | :---: | :---: |
| R 20 (cont.) |  |  |  |  |
| Objects (cont.): |  |  |  |  |
|  | 21. Kohl jar II-A2 (at feet of burial F) |  | 20910 | fig. 23d, pl. 39 f |
|  | 22. Mirror (from chest of burial G ) |  | 20906 | fig. 23 f |
|  | 23. Scarab, bl. gz. st., nsw-bity |  | 20798 |  |
|  | 24.7 Bowl CB-3bi, red ct., hor. bur. int., $15.7 \times 5.1 \mathrm{~cm}$ |  | 21012 |  |
|  | 25. Bowl CB-3bi, red ct., hor. int. bur., $15.3 \times 5.1 \mathrm{~cm}$ |  | 21013 |  |
|  | 26. Bowl CB-3bi, red ct., hor. int. bur., $15.3 \times 5.4 \mathrm{~cm}$ |  | 21014 |  |
|  | 27. Bowl CB-4bii, red ct., hor. bur. int., $16.0 \times 5.5 \mathrm{~cm}$ |  | 21015 | fig. 24b |
|  | 28. Bowl CB-1b, pk. int. ct., wh. band |  | 21016 | figs. 1f, 24f |
|  | 29. Bowl CB-1b, int. smoothed, wh. band, $16.2 \times 3.5 \mathrm{~cm}$ |  | 21017 |  |
|  | 30. Bowl CB- lb , very shallow, int. red ct., $13.9 \times 2.6 \mathrm{~cm}$ |  | 21018 |  |
|  | 31. Bowl CB-1b, very shallow, int. red ct., $13.3 \times 2.3 \mathrm{~cm}$ |  | 21019 |  |
|  | 32. Bowl CB-lb, very shallow, int. red ct., $12.5 \times 2.4 \mathrm{~cm}$ |  | 21020 |  |
|  | 33. Bowl CB-1b, shallow, int. red ct., worn |  | 21021 | fig. 24d |
|  | 34. Bowl CB-1d, int. red ct., hor. bur. |  | 21010 | fig. 24 c |
|  | 35. Bowl CB-1d, int. red ct., hor. bur., $26.7 \times 7.2 \mathrm{~cm}$ |  | 21009 |  |
|  | 36. Bowl CB-1d, int. red ct., hor. bur., $26.9 \times 6.8 \mathrm{~cm}$ |  | 21011 |  |
|  | 37. Jar II-PJ-2civ, surface damaged, height 8.5 cm |  | 21022 |  |
|  | 38. Jar II-PJ-2cvi, banded, with lid (ground sherd) |  | 21005 | fig. 26f, pl. 18 f |
|  | 39. Jar CJ-6biii, smoothed above |  | 21023 | figs. 5j, 25c |
|  | 40. Jar IV-CJ-5aviii, gr.-wh. |  | 21008 | fig. 25b |
|  | 41. Jar CJ-lb, red ct. |  | 21007 | fig. 26a |
|  | 42. Stand ST-2, red ct., bur,, height 23.5 |  | 21006 | figs. 10n, 26e |
|  | 43. Stand ST-2, red ct., bur., height 25.4 | Q1202, 8 |  | pl. 21b |
| e. From E chamber, unc. loc.: |  |  |  |  |
|  | 44. Beads, including falcon amulet |  | 20913 | fig. 17b, l, w |
|  | 45. Cowroid, bi-parabolic, bl. gz. st,, scroll and plant |  | 20907 | fig. 11 i |
|  | 46. Kohl stick of wood, length 7.3 cm |  | 20912 |  |
| f. Shaft, unc. loc.: |  |  |  |  |
|  | 47. Jar UJ-2d, slightly smoothed, $22.5 \times 18.0 \mathrm{~cm}$ |  | 20805 |  |
|  | 48. Jar UJ-2d, slightly smoothed, $16.5 \times 17.3 \mathrm{~cm}$ |  | 20806 |  |
| g. Unc. loc. (duplicate number): |  |  |  |  |
|  | 49. Jar PJ—2bii, height 5.6 cm |  | - |  |

7. Objects 24-33 are a group of small plates not individually distinguished; the following numbers are assigned arbitrarily.


Figure 26. Objects from Tomb R 20 (cont.): (a) No. 41, (b) No. 9, (c) No. 11, (d) No. 10, (e) No. 42, (f) No. 38. Scale 2:5

Table 20. Register of Finds in Cemetery R at Qustul (cont.)

| Tomb $\quad$ Description and Contents | Cairo | OIM | FigurelPlate |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |



Figure 27. Plan of Tomb R 25. Scale 1:40

## R 25

fig. 27
Shaft: rect., undercut, $1.85-2.25 \times 0.55-0.75 \times 0.90 \mathrm{~m}$
Burial: W/L/2/sides-pubis in coffin
Body: senile female


Figure 28. Objects from Tomb R 25: (a) No. 8, (b) No. 3, (c) No. 4, (d) No. 2, (e) No. 1. Scale 2:5

Table 20. Register of Finds in Cemetery R at Qustul (cont.)

| Tomb Description and Conterts | Cairo | OIM | Figure/Plate |
| :---: | :---: | :---: | :---: |
| R 25 (cont.) |  |  |  |
| Objects: |  |  |  |
| $1 .^{8}$ Bowl IV-CB-7c (greenish) |  | 21066 | figs. $2 \mathrm{~h}, 28 \mathrm{e}$ |
| 2. Bowl CB-7b, red ct., bur. above ext., int. |  | 21068 | figs. $2 \mathrm{~g}, 28 \mathrm{~d}$ |
| 3. Bowl CB-3bi, red ct., int. hor. bur. |  | 22248 | figs. 1r, 28b |
| 4. Bowl CB-3bi, red ct., int. hor. bur. |  | 22249 | fig. 28c |
| 5. ${ }^{\text {Jar }}$ |  |  |  |
| 6. Jar |  |  |  |
| 7. Small bowl |  |  |  |
| 8. Jar PJ-2cvi, dk., smoothed, bk. pt. |  | 21067 | fig. 28a |
| 9. Skeleton of bird |  | 20895 |  |
| 10. Coffin, made of $\log$ |  | Disc. |  |

## R 29

fig. 29a, pl. 7

## Shaft chamber at the $W$ end:

Shaft: $2.55 \times 0.85-0.90$ (undercut) $\times 2.40 \mathrm{~m}$
Chamber: $2.65 \times 2.65 \times 1.00 \mathrm{~m}$, floor at -0.15 m
Blocking: stone slabs with mud plaster
Burials:
a. In shaft, level I ( 0.90 m ):
A. W/B/ex./pubis face N
b. In shaft, level II:
B. E/unc./"drawn toward $N$ side of shaft"
C. E/unc. /"drawn toward W side of shaft"
c. In shaft, level III ( 1.35 m ):
D. -
E. W/(face $N) / L /$ - below D
d. In shaft, level IV ( 1.78 m ):
F. W/B/ex.?/sides-pubis? (N body)
G. W/B/ex.?/sides-pubis? (S body)
e. In chamber ( $\mathrm{N}-\mathrm{S}$ ):
H. W/L/ex./pubis
I. W/L/ex./pubis
J. W/B/ex./sides (face N)
K. W/B/ex./pubis
L. W/B/ex./pubis

## Bodies:

A. Mature male
B. Mature male
8. Objects $1-4$ are not distinguished on the record.
9. Objects 5-7 are not distinguished in the record; they are unregistered pots 34,35, and 37 .


Figure 29. Plan, Section, and Objects from Tomb R 29: (a) Plan and Section, (b) No. 50, (c) No. 14, (d) No. 20, (e) No. 19, (f) No. 53, (g) No. 10, (h), No. 51, (i), No. 27, (j), No. 15. Scale 1:2 except (a) 1:40

Table 20. Register of Finds in Cemetery R at Qustul (cont.)

| Tomb | Description and Contents | Cairo | OIM | Figure/Plate |
| :---: | :---: | :---: | :---: | :---: |
| R 29 (cont.) |  |  |  |  |
| Bodies (cont.): |  |  |  |  |
| C. Senile female |  |  |  |  |
| D. Child |  |  |  |  |
| E. Senile female |  |  |  |  |
| F. Senile male |  |  |  |  |
| G. Mature male |  |  |  |  |
| H. Senile male |  |  |  |  |
| I. Mature male |  |  |  |  |
| J. Senile female |  |  |  |  |
| K. Senile male |  |  |  |  |
| L. Mature male |  |  |  |  |
| Objects: |  |  |  |  |
| a. At level I, shaft: |  |  |  |  |
|  | 1. Jar UJ-3a |  | 21055 | figs. 2n, 33d |
| b. At level II, shaft: |  |  |  |  |
|  | 2. Jar |  | - |  |
|  | 3. Bowl |  | - |  |
| c. At level IV, shaft: |  |  |  |  |
|  | 4. Jar UJ-1, unsmoothed |  | 21056 | figs. 2i, 33b |
|  | 5. Bowl CB-3bi, smoothed int., $14.6 \times 4.2 \mathrm{~cm}$ (under S body) |  | 22265 |  |
|  | 6. Bowl CB-3bii, hor. bur. int. red ct. (beside S body) |  | 22268 | figs. 1s, 30 f |
| d. Bottom of shaft: |  |  |  |  |
|  | 7. Jar CJ -5aiii, smoothed above (near gebel, SW corner) |  | 22328 | fig. 32a |
|  | 8. Jar UJ-2a, slightly smoothed |  | 22357 | fig. 33c |
|  | 9. Coffin frags. with gold leaf |  | 20959 |  |
| e. In chamber with burial H : |  |  |  |  |
|  | 10. Kohl jar II-B3b (in R hand) |  | 20951 | fig. 29 g |
|  | 11. Bowl CB-3bii, int. hor. bur., $5.6 \times 15.3 \mathrm{~cm}$ (under head) |  | 22241 |  |
|  | 12. Cowroid, bi-parabolic, bl. gz. st., 'anra' type |  | 20945 | fig. 11 k |
|  | 13. Scarab, st., plant-scroll |  | 20947 | fig. 11 j |
|  | 14. Kohl jar II-B3b, with lid (under head) |  | 20953 | fig. 29c, pl. 39g |
|  | 15. Ax (at waist) |  | 20948 | fig. 29j |
|  | 16. Bowl CB-3bi, hor. bur. int. red ct., $14.8 \times 4.9 \mathrm{~cm}$ |  | 21034 |  |
|  | 17. Juglet IM-3 |  | 21048 | figs. 10h, 31a, pl. 23a |
|  | 18. Jar II-PJ-2cvi, with lid, smoothed, bk. pt., bars on rim |  | 21053 | fig. 31e |
|  | 19. Kohl jar II—A4b |  | 20949 | fig. 29e, pl. 39q |
|  | 20. Kohl jar II-B3a |  | 20944 | fig. 29d |
|  | 21. Bowl CB-3bi, hor. int. bur. dk. red ct., $15.3 \times 5.2 \mathrm{~cm}$ |  | 21037 |  |
|  | 22. Bowl CB-3bi, hor. int. bur. red ct., $15.0 \times 5.0 \mathrm{~cm}$ |  | 22247 |  |
|  | 23. Bowl CB-3bi, hor. int. bur. red ct. |  | 21039 | fig. 30a |
|  | 24. Stand ST-3b, hor. bur. red ct. (held two bowls) |  | 21042 | fig. 33a, pl. 21c |



Figure 30. Objects from Tomb R 29 (cont.): (a) No. 23, (b) No. 59, (c) No. 33, (d) No. 62, (e) No. 35, (f) No. 6, (g) No. 48, ( $h$ ) No. 32, (i) No. 60, (j) No. 47. Scale 2:5

Table 20. Register of Finds in Cemetery R at Qustul (cont.)


[^17]

Figure 31. Objects from Tomb R 29 (cont.): (a) No. 17, (b) No. 29, (c) No. 40, (d) No. 30, (e) No. 18 , ( $f$ ) No. 39, (g) No. 56, (h) No. 57. Scale 2:5


Figure 32. Objects from Tomb R 29 (cont.): (a) No. 7, (b) No. 45, (c) No. 61, (d) No. 44, (e) No. 31.


Figure 33. Objects from Tomb R 29 (cont.): (a) No. 24, (b) No. 4, (c) No. 8, (d) No. 1. Scale 2:5


Figure 34. Objects from Tomb R 29 (cont.): (a) No. 41, (b) No. 42. Scale 2:5

Table 20. Register of Finds in Cemetery R at Qustul (cont.)


Figure 35. Plan, Section, and Object from Tomb R 32: (a) Plan and Section, (b) No. 5. Scales (a) 1:40 and (b) 1:2
fig. 35 a, pl. 8 b
Shaft with chamber on the N side
Shaft: $2.40 \times 0.95 \times 0.85 \mathrm{~m}$
Chamber: $2.00-2.40 \times 0.70 \times 0.60 \mathrm{~m}$, floor at -1.15 m

Table 20. Register of Finds in Cemetery $R$ at Qustul (cont.)
Tomb
Description and Contents
Cairo
OIM
FigurelPlate
R 32 (cont.)
Step: shaft cut to chamber depth, $0.40-0.50 \mathrm{~m}$ wide
Blocking: cb., laid on edge, then horizontal course, then vertical, cb. $0.07-0.08 \times 0.16 \times 0.34-0.35 \mathrm{~m}$
Burial: W/L/ex./pubis in coffin?
Body: mature female


Figure 36. Objects from Tomb R 32 (cont.): (a) No. 7, (b) No. 9, (c) No. 6. Scale 2:5
Objects:
a. Unc. loc., probably at hands:

1. Scarab, st., $h s$ vase on $n b$ sign with pair of $n f r$ signs flanking
fig. 111
2. Scaraboid, bl. gl., uninscribed, $1.4 \times 0.9 \times 0.5 \mathrm{~cm}$

Table 20. Register of Finds in Cemetery $R$ at Qustul (cont.)

12. Registration card indicates this object is from $R 25$.
13. Unregistered no. 33.
14. Objects $R 32-7$ and 9 were probably reversed in the records.

Table 20. Register of Finds in Cemetery R at Qustul (cont.)


Figure 37. Plan, Section, and Object from Tomb R 33: (a) Plan and Section, (b) No. 8. Scales (a) 1:40 and (b) 1:2
Objects:
a. Below upper burial:

1. Jar CJ—5axiii, hor. bur.? (behind blocking) 21075 figs. 4i, 39
b. Level II, with burial B:
2. Face from coffin, $23.0 \times 28.0 \mathrm{~cm} 21623$


Figure 38. Objects from Tombs R 33 (cont.) and R 34: (a) No. 9 (R 33), (b) No. 3 (R 33), (c) No. 2 (R 34). Scale 2:5


Jar CJ-5axiii

Figure 39. Object from
Tomb R 33 (cont.): No. 1. Scale 2:5

## Table 20. Register of Finds in Cemetery R at Qustul (cont.)



REGISTER OF FINDS


Figure 40. Plans and Section of Tomb R 35. Scale 1:40

Table 20. Register of Finds in Cemetery R at Qustul (cont.)


Table 20. Register of Finds in Cemetery $R$ at Qustul (cont.)



Figure 41. Plans, Sections, and Objects from Tomb R 35: (a) Plans and Sections, (b) No. 98, (c) Nos. 16, 46, 47, (d) No. 97, (e) No. 101, (f) Nos. 13 and 32, (g) No. 22, (h) No. 57, (i) No. 12, (j) No. 19, (k) No. 5,
(l) No. 15a, (m) No. 33. Scale 1:1 except (a) 1:40 and (d), (g), (h), (i) 1:2


Figure 42. Objects from Tomb R 35 (cont.): (a) No. 94, (b) No. 96, (c) No. 74, (d) No. 35, (e) No. 90, ( $f$ ) No. 81, ( $g$ ) No. 89, ( $h$ ) No. 84, ( $i$ ) No. 55, ( $j$ ) No. 51. Scale 2:5


Figure 43. Objects from Tomb R 35 (cont.): (a) No. 7, (b) No. 85, (c) No. 42, (d) No. 2, (e) No. 87, (f) No. 1, (g) No. 37. Scale 2:5


Figure 44. Objects from Tomb R 35 (cont.): (a) No. 104, (b) No. 21, (c) No. 41, (d) No. 8, (e) No. 31. Scale $2: 5$


Figure 45. Objects from Tomb R 35 (cont.): (a) No. 54, (b) No. 61, (c) No. 60, (d) No. 36, (e) No. 72, (f) No. 39. Scale 2:5


Figure 46. Objects from Tomb R 35 (cont.): (a) No. 28, (b) No. 40. Scale 2:5


Figure 47. Objects from Tomb R 35 (cont.): (a) No. 75, (b) No. 38. Scale 2:5

Table 20. Register of Finds in Cemetery R at Qustul (cont.)

| Tomb | Description and Contents | Cairo | OIM | Figure/Plate |
| :---: | :---: | :---: | :---: | :---: |
| R 35 (cont.) |  |  |  |  |
| Objects (cont.): |  |  |  |  |
| b. With b (cont.): |  |  |  |  |
|  | 6. Jar (at head of burials, broken) |  | - |  |
|  | 7. Bowl CB-5b, red int. rim band (at head of burials) |  | 21118 | figs. 2d, 43a |
|  | 8. Jar UJ-3a (at head of burials) |  | 21146 | fig. 44d, pl. 14a |
|  | 9. Jar (at feet of burials, broken) |  | - |  |
|  | 10. Bowl CB-1e (at feet of burials) |  | 21131 |  |
|  | 11. Jar (at feet of burial I) |  | - |  |
|  | 12. Kohl jar II-B3b |  | 21193 | fig. 41 i |
|  | 13. Amulets and pendants, see also R 35-32 (at feet of burial G) |  | 21296 | figs. 17ff, kk, 41f, pl. 49a |
|  | 14. Bowl CB-2d, red ct., incompletely smoothed |  | 21128 |  |
|  | 15. a. Pendant, poppy head/cornflower, car. |  | 21190 | figs. 1700, 411 |
|  | b. Pendant, eye, ye., bk., wh. gl. |  |  | fig. 1711 |
|  | 16. Hair ring/earring, red jasper (near head) |  | 21191 | fig. 41c (left) |
|  | 17. Copper object, length 4.5 cm |  | 21194 |  |
|  | 18. Beads |  | 21195 | fig. 17d |
|  | 19. Amulet, Bes, bl. fa. |  | 21192 | figs. 17t, 41j |
| c. With c: |  |  |  |  |
|  | 20. Bowl | Q1326, disc. |  |  |
|  | 21. Jar UJ-3a, unsmoothed (possibly R 35-25) |  | 21159 | fig. 44b |
|  | 22. Kohl jar II-Ala |  | 21199 | fig. 41 g |
|  | 23. "Eye paint" (in debris) |  | - |  |
|  | 24. Bowl UA-3, holding infant |  | 21119 |  |
| d. With d: |  |  |  |  |
|  | 25. Jar (possibly R 35-21) |  | - |  |
|  | 26. Platter stand PS, red ct. int. and ext. band, 7.4 cm |  | 21117 |  |
| smoothed and above outside, 7.8 cm |  |  |  |  |
|  | 28. Jar CJ-8biv, slightly smoothed above, pk. rim |  | 21150 | figs. 6h, 46a |
|  | 29. Small bowl |  | - |  |
|  | 30. Jar |  | - |  |
| e. Unc. loc., shaft: |  |  |  |  |
|  | 31. Jar UJ-2d, slightly smoothed |  | 21155 | fig. 44e |
|  | 32. Amulets and pendants, see R 35-13 |  | 21296 |  |
|  | 33. Pendant, heart, car. (from neck of child) |  | 21198 | figs. $17 \mathrm{gg}, 41 \mathrm{~m}$ |
|  | 34. Beads |  | 21293 |  |
| f. With $e$ in $E$ chamber: |  |  |  |  |
|  | 35. Bowl CB-1c, pk. rim band (under burial V) |  | 21123 | fig. 42d |
|  | 36. Jar PJ-2cvi (under burial V) |  | 21143 | fig. 45d |
|  | 37. Jar CJ-5av, 7.5YR $6 / 4$ (NW comer) |  | 21156 | figs. 4a, 43g, pl. 27c |
|  | 38. Jar CJ-6bii (SW comer) |  | 21157 | fig. 47b |

Table 20. Register of Finds in Cemetery $R$ at Qustul (cont.)


Table 20. Register of Finds in Cemetery R at Qustul (cont.)


Table 20. Register of Finds in Cemetery R at Qustul (cont.)

Tomb Description and Contents $\quad$ Cairo $\quad$ oIM | Figure/Plate |
| :--- |

## R 35 (cont.)

Objects (cont.):

1. E Chamber, Level 2 (cont.):
2. Coffin remains of burial AD Disc.
3. Coffin remains of burial AB Disc.


Figure 48. Plan of Tomb R 38. Scale 1:40

## R 38

fig. 48
Shaft with side chamber:
Shaft: $2.15 \times 0.75-0.80 \times 1.35 \mathrm{~m}$
Chamber: $2.10 \times 0.55 \times-\mathrm{m}$
Blocking: cb. laid ashlar, $0.08 \times 0.16 \times 0.34-0.35 \mathrm{~m}$
Burial:-
Body:-
Objects:

1. Coffin frags., dec. Disc.
2. Stand ST-3b, dk. red vert. bur. ${ }^{15} 21562$
figs. $10 \mathrm{p}, 49$

R 39
Shaft: rect., $1.20-1.40 \times 0.35-0.52 \times 0.70 \mathrm{~m}$

R 40
fig. 50a
Shaft with two end-chambers:
Shaft: rect., $2.35 \times 0.60-0.80$ (undercut) $\times 2.10-2.20 \mathrm{~m}$
W chamber: $2.35 \times 1.40 \times 1.05-$ ? m, collapsed
Blocking: cb., $0.08 \times 0.17 \times 0.34 \mathrm{~m}$
E chamber: $2.30-2.50 \times 1.50-1.78 \times 1.10 \mathrm{~m}$, floor at 1.10
Blocking: cb., $0.08 \times 0.17 \times 0.34 \mathrm{~m}$ and slabs of mud
Burials:
a. Shaft, level I at -1.19 m
A. Dist. in coffin
15. The stand was probably a tool, as another part was found in $R 44(-2)$.

Table 20. Register of Finds in Cemetery R at Qustul (cont.)

| Tomb | Description and Contents | Cairo | OIM | Figure/Plate |
| :--- | :--- | :--- | :--- | :--- | :--- |



Figure 49. Object from Tomb R 38: No. 2. Scale 2:5

## R 40 (cont.)

Burials (cont.):
b. Shaft, level II, at -1.68 m :
B. W/L/- in coffin (to N )
C. W?/'extended" in coffin
c. W chamber, latest to earliest:
D. W/B/ex./- in coffin
E. W/L/ex.-slightly bent/- in coffin
F. - in coffin, on burial $G$
G. W/R/2/sides in coffin
H. W/B/ex./sides in coffin, on burial G
d. E chamber, latest to earliest:
I. -
J. W/B/ex./pubis
K. W/B/ex./sides
L. W/B/ex./? in coffin pl. 8a
M. W/- unc. possibly the same as burial I

Table 20. Register of Finds in Cemetery R at Qustul (cont.)

| Tomb | b Description and Contents | Cairo | OIM | FigurelPlate |
| :---: | :---: | :---: | :---: | :---: |
| R 40 (cont.) |  |  |  |  |
| Bodies: |  |  |  |  |
| A. Mature male |  |  |  |  |
| B. Male |  |  |  |  |
| C. - |  |  |  |  |
| D. Presumably adult-mature |  |  |  |  |
| E. Presumably adult-mature |  |  |  |  |
| F. - |  |  |  |  |
| G. Juvenile male |  |  |  |  |
| H. Mature male |  |  |  |  |
| 1. "Child" |  |  |  |  |
| J. Mature female |  |  |  |  |
| K. Mature female? |  |  |  |  |
| L. Mature male |  |  |  |  |
| M. Juvenile male |  |  |  |  |
| Objects: |  |  |  |  |
| a. Shaft, below A: |  |  |  |  |
|  | 1. Large jar, with rodent |  | - |  |
|  | 2. Bowl UA? |  | - |  |
| b. Shaft, level II: |  |  |  |  |
|  | 3. Jar CJ-6aii? (near head, N body) |  | 22338 | figs. $5 \mathrm{~g}, 53 \mathrm{~g}$ |
|  | 4. Large jar (with dry leaves, S body) |  | - |  |
|  | 5. Bowl CB-3bi, hor. int. bur. red ct. |  | 22264 | fig. 51g, pl. 13b |
|  | 6. Coffin frags., dec. (near E chamber) |  | 21624 |  |
| and uraei, rev.: mn-hpr-r'tit imn ( S burial) |  |  |  |  |
|  | 8. Razor (under head, S coffin) |  | 21361 | fig. 50e |
|  | 9. Galena ( S burial) |  | 21366 |  |
|  | 10. ${ }^{16}$ Bowl |  | - |  |
|  | 11. Bowl |  | - |  |
|  | 12. Bowl |  | - |  |
|  | 13. Beads |  | 21364 | fig. 17 g |
|  | 14. Scarab, bl. gz. st., falcon-headed human figure holds pair of uraei, under winged sun disc with pendant uraei |  | 21263 | fig. 12 e |
| c. W chamber, with burial D, at feet: |  |  |  |  |
|  | 15. Bowl CB-le, red int. ct, hor. bur., some pt. slopped outside |  | 21090 | fig. 511 |
|  | 16. Bowl CB-1b, red int. ct., $15.8 \times 3.5 \mathrm{~cm}$ (in $\mathrm{R} 40-15$ ) |  | 22179 |  |
|  | 17. Bowl CB-1h, smoothed int. (in R 40-16) |  | 22191 | fig. 52a |
|  | 18. Bowl CB-2b, red int. ct., $15.5 \times 3.0 \mathrm{~cm}$ |  | 21091 | figs. $\ln$, 51 m |

16. Objects $10-12$ correspond to unregistered 2,50 , which are not individually identified.


Figure 50. Plan, Section, and Objects from Tomb R 40: (a) Plan and Section, (b) No. 25, (c) No. 57, (d) No. 58, (e) No. 8, (f) No. 66. Scale 1:2 except (a) 1:40


Figure 51. Objects from Tomb R 40 (cont.): (a) No. 22, (b) No. 71, (c) No. 20, (d) No. 53, (e) No. 37, (f) No. 77, (g) No. 5, (h) No. 36, (i) No. 30 , ( $j$ ) No. 74 , ( $k$ ) No. 31 , (l) No. 15 , (m) No. 18 , ( $n$ ) No. 50 . Scale 2:5


Figure 52. Objects from Tomb R 40 (cont.): (a) No. 17, (b) No. 60, (c) No. 75, (d) No. 73, (e) No. 21, (f) No. 24, (g) No. 56, (h) No. 41, (i) No. 62, ( $j$ ) No. 39. Scale 2:5


Figure 53. Objects from Tomb R 40 (cont.): (a) No. 27, (b) No. 63, (c) No. 42, (d) No. 26, (e) No. 28, (f) No. 65, (g) No. 3, (h) No. 64. Scale 2:5 except ( $g$ ) 1:5

Table 20. Register of Finds in Cemetery $R$ at Qustul (cont.)

17. Bowls $19,23,29,45,46,67$, and $73-77$ are not clearly identified. Bowls with OlM or unregistered numbers are assigned to these tomb numbers only as one of the possibly vessels.
18. It is possible that there was confusion in the assignment of these inscribed coffin fragments with $R 40-68$; they may be those of the coffin of $W r$ or of the coffin of $ग / h-m s$ ( see Appendix $B$ ).

Table 20. Register of Finds in Cemetery R at Qustul (cont.)

19. See footnote 18 (above).
20. Fragments on plate 33 are not those in OIM.

Table 20. Register of Finds in Cemetery R at Qustul (cont.)

| Tomb | Description and Contents | Cairo | OIM | FigurelPlate |
| :--- | :--- | :--- | :--- | :--- |
| R 40 (cont.) |  |  |  |  |

Objects (cont.):
o. Various locs., see burials section:
79. Coffin remains, burial A Disc.
80. Coffin remains, burial B Disc.
81. Coffin remains, burial C Disc.
82. Coffin remains, burial D Disc.
83. Coffin remains, burial E Disc.
84. Coffin remains, burial $F$ Disc.
85. Coffin remains, burial G Disc.
86. Coffin remains, burial H


Figure 54. Objects from Tomb R 41: (a) No. 2, (b) No. 1. Scale 2:5
R 41
Shaft: rect., $1.75-1.85 \times 0.53 \times 0.40 \mathrm{~m}$
Burial: W/B?/ex./pubis in coffin
Body:-
Objects:
$\begin{array}{lll}\text { 1. Jar CJ—5aiii (outside coffin, head) } & 21171 & \text { fig. 54b } \\ \text { 2. Bowl CB-3bii, int. hor. bur. red ct. (on R 41-1) } & 21073 & \text { fig. 54a } \\ \text { 3. Bracelet of beads } & 20890 & \end{array}$

Table 20. Register of Finds in Cemetery R at Qustul (cont.)


Figure 55. Plan of Tomb R 43. Scale 1:40

R 43
fig. 55
Shaft with end chamber at the $W$ end:
Shaft: rect., $2.00 \times 0.70-0.75 \times 2.10 \mathrm{~m}$
Chamber: irreg., ca. $1.85-2.10 \times 1.05-1.70 \times 1.45 \mathrm{~m}$, floor at -0.15 m
Burials:
a. In shaft:
A. W/B/ex./sides
b. In chamber ( $\mathrm{S}-\mathrm{N}$ ):
B. W/-


Figure 56. Objects from Tomb R 43: (a) No. 6, (b) No. 3, (c) No. 4, (d) No. 1, (e) No. 7, (f) No. 2. Scale 2:5

Table 20. Register of Finds in Cemetery R at Qustul (cont.)

| Tomb | $b$ Description and Contents | Cairo | OIM | Figure/Plate |
| :---: | :---: | :---: | :---: | :---: |
| R 43 (cont.) |  |  |  |  |
| Burials (cont.): |  |  |  |  |
| b. In chamber ( $\mathrm{S}-\mathrm{N}$ ) (cont.): |  |  |  |  |
| C. E/B?/ex.?/sides-pubis? |  |  |  |  |
| D. - |  |  |  |  |
| Bodies: |  |  |  |  |
| A. - |  |  |  |  |
| B. - |  |  |  |  |
| C. - |  |  |  |  |
| D. - |  |  |  |  |
| Objects: |  |  |  |  |
| a. With burial $A$, near head: |  |  |  |  |
|  | 1. Bowl CB-3aiii, red rim and slopped pt. |  | 21058 | fig. 56d |
| b. In shaft, near chamber: |  |  |  |  |
|  | 2. Jar CJ-5aiii, blackened below |  | 21062 | fig. 56 f |
|  | 3. Bowl CB-3bi, hor. int. bur., red ct. |  | 21060 | fig. 56b |
| c. In chamber: |  |  |  |  |
|  | 4. Bowl CB-lc, red rim band (over head, burial C) |  | 21059 | fig. 56c |
| d. Unc. loc., presumably chamber: |  |  |  |  |
|  | 5. Jar CJ-5avi |  | 21061 |  |
|  | 6. Jar II-PJ-4, with lid, 10YR 7/3, 5 YR 3/2, 2.5 YR 4/8, pt. red and bk. |  | 21063 | fig. 56 a |
|  | 7. Jar CJ-8a |  | 22294 | figs. 6d, 56e |
| R 44 |  |  |  |  |
| Shaft with chamber on the northem side |  |  |  |  |
| Shaft: $2.30 \times 1.00 \times 1.35 \mathrm{~m}$ |  |  |  |  |
| Chamber: $2.50 \times 0.85 \times 0.80 \mathrm{~m}$ |  |  |  |  |
| Blocking: 8 courses of cb . on 0.10 m fill in chamber, laid flat, probably ashlar, cb., $0.08 \times 0.17 \times 0.35 \mathrm{~m}$ |  |  |  |  |
| Burial: - scattered in shaft and chamber |  |  |  |  |
| Body: - |  |  |  |  |
| Objects: |  |  |  |  |
|  | 1. Sherd of qadus (intrusive?) |  | - |  |
|  | 2. Stand ST-3b, dk. red vert. bur. |  | $21562^{21}$ |  |
|  | 3. Bowl CB-1b, red coat int., no burnish |  | 21172 | fig. 57 |

Figure 57. Object from Tomb R 44: No. 3. Scale 2:5
21. Duplicated in records, see R 38-2.

Table 20. Register of Finds in Cemetery R at Qustul (cont.)

| Tomb | Description and Contents | Cairo | OIM | FigurelPlate |
| :---: | :---: | :---: | :---: | :---: |
| R 45 |  |  |  | fig. 58a |
|  | Shaft with two end-chambers: |  |  |  |
|  | Shaft: rect., $2.20 \times 0.55-0.65 \times 1.65 \mathrm{~m}$ |  |  |  |
|  | W chamber: $2.10 \times 1.50 \times 0.75-0.80 \mathrm{~m}$ |  |  |  |
|  | Blocking: cb., vert. and hor. hole with stone and brick in 2 nd course, cb. ramp. |  |  |  |
|  | E chamber: $2.15 \times 1.00(+) \times 0.95-1.00 \mathrm{~m}$ |  |  |  |
| Burials: |  |  |  |  |
| a. Within 0.70 m of top of shaft, level I: |  |  |  |  |
| A-H. "7-8 skeletons of dislocated skulls and bodies all mature male?" |  |  |  |  |
| b. At -0.74 m , level II: |  |  |  |  |
| I. W/L/ex./sides-pubis, in coffin |  |  |  |  |
| c. At -0.97 m , level III: |  |  |  |  |
| J. W/R/ex./pubis |  |  |  |  |
| K. W/L/ex./pubis |  |  |  |  |
| d. In $W$ burial chamber: |  |  |  |  |
| L. W/B/ex./sides |  |  |  |  |
| e. In E burial chamber: |  |  |  |  |
| M. W/face down/ex./pelvis, post. |  |  |  |  |
| N. W/B/ex./pubis, in coffin |  |  |  |  |
| Bodies: |  |  |  |  |
| A-H. - |  |  |  |  |
| I. Senile female |  |  |  |  |
| J. Mature female |  |  |  |  |
| K. Mature male |  |  |  |  |
| L. Mature male |  |  |  |  |
| M. Senile female |  |  |  |  |
| N. Mature female, possibly with fetus |  |  |  |  |
| Objects: |  |  |  |  |
| a. In shaft, level I: |  |  |  |  |
|  | 1. Bowl CB-1d, hor. bur. int. red ct. |  | 21182 | fig. 59d |
| b. In shaft, level II: |  |  |  |  |
|  | 2. Coffin of burial I, $1.85 \times 0.36 \times 0.38 \mathrm{~cm}$ |  | - |  |
|  | 3. Beads (from coffin) |  | 21309 | pl. 49 d |
|  | 4. Jar CJ-5av (W of coffin) |  | 22321 | fig. 60a |
|  | 5. Stone jar VIII, height 3.4 cm , bk. and wh. hard stone, granite? (at feet in coffin) |  | 21355 | pl. 39a |
|  | 6. Scarab, bl. gz. st., lotus with buds on stalk (at feet in coffin) |  | 21311 | fig. 12d |
|  | 7. Scarab, bl. gz. st., L.E. plant on $n b$ sign, flanked by pair of 'nh signs (at feet in coffin) |  | 21313 | fig. 12 g |
|  | 8. Jar (NE corner, shaft) |  | - |  |

Table 20. Register of Finds in Cemetery R at Qustul (cont.)


Figure 58. Plan, Section, and Objects from Tomb R 45: (a) Plan and Section, (b) No. 20, (c) No. 42, (d) No. 39. Scale 1:2 except (a) 1:40

## R 45 (cont.)

Objects (cont.):
b. In shaft, level II (cont.):
9. Scarab, bl. gz. st., falcon, uraeus before, with flail over $n b$ (with R 45-8?)

Table 20. Register of Finds in Cemetery R at Qustul (cont.)



Figure 59. Objects from Tomb R 45 (cont.): (a) No. 26, (b) No. 27, (c) No. 23, (d) No. 1, (e) No. 13, (f) No. 16,
(g) No. 24, (h) No. 19, (i) No. 40, (j) No. 11, (k) No. 35 . Scale 2:5


Figure 60. Objects from Tomb R 45 (cont.): (a) No. 4, (b) No. 28, (c) No. 30, (d) No. 10, (e) No. 29, (f) No. 18, (g) No. 21. Scale 2:5

Table 20. Register of Finds in Cemetery R at Qustul (cont.)

| Tomb | $b$ Description and Contents | Cairo | OIM | Figure/Plate |
| :---: | :---: | :---: | :---: | :---: |
| R 45 (cont.) |  |  |  |  |
| Objects (cont.): |  |  |  |  |
| g. In E chamber with N (cont.): |  |  |  |  |
|  | 36. Stone pestle, $4.3 \times 0.9 \mathrm{~cm}$ (with R 45-35) |  | 21200 |  |
|  | 37. Natural stone, mortar, dia. 3.5 cm |  | 21306 |  |
|  | 38. Natural stone, pestle, length 3.2 cm |  | 21306 |  |
|  | 39. Stone jar, A-Group schist? (at legs) |  | 21304 | fig. 58d, pl. 39c |
|  | 40. Miniature votive vessel MI, red ct. (at legs) |  | 21206 | fig. 59i |
|  | 41. Natural stone palette, dia. ca. 5.3 cm (on L hip) |  | 21201 |  |
|  | 42. Kohl jar II-Albi (S of coffin) |  | 21003 | fig. 58c |
| h. E chamber, unc. loc.: |  |  |  |  |
| $2 \check{s} n$ signs and $2 n f r$ signs |  |  |  |  |
|  | 44. Beads |  | 21354 |  |
|  | 45. Coffin remains, burial N |  | Disc. |  |
| R 46 |  |  |  | fig. 61a |
| Shaft with two narrow end-chambers: |  |  |  |  |
| Shaft: $2.05 \times 0.60-0.65 \times 1.50-1.60 \mathrm{~m}$ |  |  |  |  |
| floor deepened by 0.20 for E chamber |  |  |  |  |
| W chamber: $2.10 \times 0.60 \times 0.65-0.70 \mathrm{~m}$ |  |  |  |  |
| Blocking: 4 courses cb. |  |  |  |  |
| E chamber: $1.65 \times 0.55-0.65 \times 0.50 \mathrm{~m}$ |  |  |  |  |
| Burials: |  |  |  |  |
| a. W chamber: |  |  |  |  |
| A. W/B/ex.-slightly bent/pubis |  |  |  |  |
| b. E chamber: |  |  |  |  |
| B. E/B/ex./pubis (face S?) |  |  |  |  |
| Bodies: |  |  |  |  |
| A. Senile male |  |  |  |  |
| B. - |  |  |  |  |
| Objects: |  |  |  |  |
| a. From W chamber: |  |  |  |  |
|  | 1. Jar CJ-5aiii, red ct. (fill) |  | 22309 | fig. 62 g |
|  | 2. Bowl CB-lc, red band int. |  | 22183 | figs. $7 \mathrm{~m}, 62 \mathrm{a}$ |
|  | 3. Jar Il-PJ-2bi, gr.-wh. (near feet) |  | 22283 | fig. 62e |
| b. From E chamber, N of burial: |  |  |  |  |
|  | 4. Jar PJ-2cii, red ct. bur., worn |  | 21204 | fig. 62 f |
|  | 5. Bowl CB-1d |  | 21179 | fig. 62 c |
|  | 6. Bowl CB-4bii, int. hor. bur. red ct. (in R 46-5) |  | 22244 | fig. 62b |
|  | 7. a. Pottery kohl jar, as II-B2a |  | 21271 | fig. 61b |
|  | b. Tweezers |  | 21271 | fig. 61c |

Table 20. Register of Finds in Cemetery R at Qustul (cont.)

| Tomb $\quad$ Description and Contents | Cairo | OIM | FigurelPlate |
| :--- | :--- | :--- | :--- | :--- | :--- |



Pottery Kohl Jar
b


c


Tweezers
d
Figure 61. Plan, Section, and Objects from Tomb R 46: (a) Plan and Section, (b) No. 7a, (c) No. 7b, (d) No. 8. Scale 1:2 except (a) 1:40 R 46 (cont.)

Objects (cont.):
b. From E chamber, N of burial (cont.):
8. Tweezers with broad jaws 21273 fig. 61d
9. Jar CJ-5aiii, red ct.
10. Jar II—PJ—2cvi, with lid, N.K. fine
22314 fig. 62h

21180 fig. 62d


BowlcB-ld


Jar CJ—5aiii
g


Figure 62. Objects from Tomb R 46 (cont.): (a) No. 2, (b) No. 6, (c) No. 5, (d) No. 10, (e) No. 3, ( $f$ ) No. 4, ( $g$ ) No. 1, ( $h$ ) No. 9. Scale 2:5

Table 20. Register of Finds in Cemetery R at Qustul (cont.)


Figure 63. Plans of Tomb R 47. Scale 1:40
Burials:
a. In shaft:
A. -
B. - at -0.83 m
b. In chamber, coffin piled on second coffin:
C. W/B/ex./sides in coffin, pulled almost out
D. - in coffin

## Bodies:

A. -
B. -
C. Juvenile male
D. Mature male

Objects:
a. Coffin, burial C:

1. Coffin, $1.83 \times 0.46 \times 0.45 \mathrm{~m}$
2. Bowl CB-1c, int. hor. bur. red ct. (at knees) 22258 fig. 64c
3. Bowl CB-3bi, int. hor. bur., red ct., $15.4 \times 5.2 \mathrm{~cm}$ (in R 47-2) 22245
b. Coffin, burial D:
4. Coffin, $1.88 \times 0.42 \times 0.42 \mathrm{~m}$, thickness, end 0.045 m , side $0.050 \mathrm{~m}, 2$ planks (side), pine or cedar


Figure 64. Objects from Tomb R 47: (a) No. 14, (b) No. 9, (c) No. 2, (d) No. 15, (e) No. 6, (f) No. 7, (g) No. 10. Scale 2:5 except (f) 1:5

Table 20. Register of Finds in Cemetery R at Qustul (cont.)


Figure 65 . Objects from Tomb R 47 (cont.): (a) No. 12, (b) No. 13, (c) No. 11. Scale 2:5

Table 20. Register of Finds in Cemetery R at Qustul (cont.)
Tomb Description and Contents Cairo olm Figure/Plate


Figure 66. Object from Tomb R 52: No. 1. Scale 2:5
R 52
Object:

1. Jar CJ-5aiii, red ext. ct., found in redim of shaft
fig. 66
R 56
fig. 67 a
Shaft: rect. with rounded ends: $2.00 \times 0.45-0.58 \times 2.00 \mathrm{~m}$ undercut $0.05-0.10 \mathrm{~m}$
Burial: W/B/ex./pubis
Body: senile female


Table 20. Register of Finds in Cemetery R at Qustul (cont.)


Figure 68. Objects from Tomb R 56: (a) No. 3, (b) No. 5, (c) No. 1. Scale 2:5

## R 56 (cont.)

Objects, at head end of burial:

1. Jar CJ-5aiii, red ct. 21177 fig. 68c
2. Jar CJ—5aiii, red ct., $27.2 \times 13.8 \mathrm{~cm} 22326$
3. Bowl CB-3bi, hor. int. bur. red ct.
4. Kohl jar II-A4a, black marble?
5. Jar II-PJ-2a, worn
fig. 67b, pl. 39r
fig. 68b

## R 57 Possibly later grave

Shaft: $2.45 \times 0.70-0.85 \times 1.30 \mathrm{~m}$, sides slightly undercut,
small circular pit, $0.25-0.40 \times 0.35 \mathrm{~m}$
Burial: W/B or L/ex./R at pubis, $L$ at $R$ elbow
Body: mature female
Objects: -

Table 20. Register of Finds in Cemetery R at Qustul (cont.)


Figure 69. Plan and Section of Tomb R 58. Scale 1:40
(Pottery Vessels Are Located According to the Grave Sketch and Are Not Keyed)

Burials:
a. In shaft, levell at $-1.12(\mathrm{~N}-\mathrm{S})$ :
A. W/B/ex./sides-pubis
B. E/B/ex./pubis
b. In shaft, level II at -1.35 m :
C. -
c. In chamber, pushed against $W$ wall:
D. -

Bodies:
A. Mature male
B. Mature female
C. --
D. Senile male

Table 20. Register of Finds in Cemetery R at Qustul (cont.)

| Tomb $b e s c r i p t i o n ~ a n d ~ C o n t e n t s ~$ | Cairo | OIM FigurelPlate |
| :--- | :--- | :--- | :--- | :--- |




Figure 70. Objects from Tomb R 58 : (a) No. 1, (b) No. 7, (r) No. 3. Scale $2: 5$ except (c) $1: 5$

Objects:
a. Level I:

22266 figs. 2a, 70a
2. Jar CJ—5aiii, red ct. (at feet of burial B)

21174 fig. 71d
3. Jar CJ—ld (at feet of burial B)

21225 figs. 3e, 70c
b. Level II, with burial C:
4. Jar CJ-5aiii, red ct
5. Jar CJ-5aiii, red ct.

21175 fig. 71a
21176 fig. 7le
6. Jar CJ—5aiii, red ct., $25.5 \times 12.8 \mathrm{~cm}$

22325
7. Jar II—PJ—2c, unc. bur.?, 5YR 8/1

22289
fig. 70b
c. In chamber, with burial $D$
8. Jar CJ-5aii, red ct.

2232
2232
figs. 3i, 71 c
9. Jar CJ-5ai
fig. 71 b
10. Jar, possibly same as R 58-3

R 61
Shaft: subrectangular, $1.90 \times 0.60 \times 1.20 \mathrm{~m}$
Burial: -
Body:

1. Bowl CB-3bi, red ct., bur. int.
22238
fig. 72a
2. Jar CJ-6biii, red ct., int. spiral pattern
22336 fig. 72b, pl. 27a


Figure 71. Objects from Tomb R 58 (cont.): (a) No. 4, (b) No. 9, (r) No. 8, (d) No. 2, (e) No. 5. Scale 2:5

Table 20. Register of Finds in Cemetery R at Qustul (comt.)


Figure 72. Objects from Tomb R 61: (a) No. 1. (b) No. 2. Scale 2:5
fig. 73
Shaft: rect. with rounded ends, $1.80-2.00$ (undercui) $\times 0.50-0.60 \times 1.40 \mathrm{~m}$
Burial: W/B/ex.pubis in coffin
Body: mature male


Figure 73. Plan and Section of Tomb R 63. Scale 1:40

Table 20. Register of Finds in Cemetery R at Qustul (cont.)

Tomb Description and Contents $\quad$ Cairo $\quad$ OIM 



Iigure 74. Object from Tomb R 63: No. 2. Scale 2:5

## R 63 (cont.)

Objects:

1. Jar (in SW comer)
2. Bowl CB-lc, hor. int. bur. red ct. (near coffin) 22181 fig. 74
3. Bowl as R 63-2
4. Jar (in NE corner)
5. Coffin remains

- 

fig. 75, pl. 10a
R 75
Shaft with end-chamber at the E end
Shaft: rect., $2.20 \times 0.70 \times 1.70 \mathrm{~m}$
Chamber: some what oval, $2.00 \times 1.42 \times 1.22 \mathrm{~m}$, partly collapsed
Blocking: cb. ashlar, dim. n/a
Burials:
a. In shaft:
A. W/B/ex. (crossed)/pubis, face $N$ (in coffin)
B. W/B/ex./pubis, in coffin below burial A
b. In chamber:
C. W/B/ex./- in coffin
D. W/B/ex./sides in coffin
c. Dist. burials in shaft:
E. - in E side of shaft
F. - in E side of shaft
G. - under burial B
d. Dist. burials in slaft and chamber:
H. -
I. -
e. Dist in chamber:
J. -
K. -
L. -
M. -

Table 20. Register of Finds in Cemetery R at Qustul (cont.)
Tomb Description and Contents
Cairo OIM Figure/Plate

R 75 (cont.)
Bodies:
A. Mature female
B. Adult female
C. Adult female
D. Mature female


Figure 75. Plans and Section of Tomb R 75. Scale 1:40

## Table 20. Register of Finds in Cemetery R at Qustul (comt.)

| Tomb | $b$ Description and Contents | Cairo | OIM | Figure/Plate |
| :---: | :---: | :---: | :---: | :---: |
| R 75 (cont.) |  |  |  |  |
| Bodies (cont.): |  |  |  |  |
| E. Adult female |  |  |  |  |
| F. Adult female |  |  |  |  |
| G. Mature female |  |  |  |  |
| H. Adult female, young |  |  |  |  |
| I. 11 years-adult female |  |  |  |  |
| J. 11-13, male? |  |  |  |  |
| K. Jaw |  |  |  |  |
| L. 13-14, female? |  |  |  |  |
| M. 13-14, female? |  |  |  |  |
| Objects: |  |  |  |  |
| a. Burial A : |  |  |  |  |
|  | 1. Coffin remains |  | Disc. |  |
|  | 2. Bowl with red rim (outside coffin) |  | Disc. |  |
| b. Burial B: |  |  |  |  |
|  | 3. Coffin remains |  | Disc. |  |
|  | 4. Jar UJ-2b, discolored (outside coffin, at head end) |  | 23561 |  |
|  | 5. Jar UJ-2b (outside coffin, at head end) |  | 23562 | figs. $2 \mathrm{k}, 76 \mathrm{~b}$ |
|  | 6. Scarab, fa., ankh signs and uracus (under L hand) |  | 23423 |  |
| c. Under burial B, possibly with burial G: |  |  |  |  |
|  | 7. Scarab, bl. gz. st., mn-hpr-r hek; wst, $n b-h p, s \check{m r}(y)$-imn-r ${ }^{\prime}($ under burial G) |  | 23506 | fig. 12k |
|  | 8. Pendants ( 5 fish, 7 heart) and 2 beads, see also R 75-18 (under burial G) |  | 23505 | fig. 17ee, hh |
| d. Fill of shaft and opening of chamber: |  |  |  |  |
|  | 9. Beads (among dist. bones) |  | 23422 |  |
| e. With burial C : |  |  |  |  |
|  | 10. Coffin remains |  | Disc. |  |
|  | 11. Jar UJ-2b, $22.0 \times 14.0 \mathrm{~cm}$ ( S of head) |  | 23595 |  |
|  | 12. Jar II/IV-CJ-8ci, gr.-wh., ptd. ( N of head) |  | 23573 | fig. $76 \mathrm{c}, \mathrm{pl}$. 28 a |
|  | 13. Jar IV-CJ-7b, smoothed above, gr.-wh. (N of hips) |  | 23646 | figs. 6 b .76 d , pl. 17e |
| f. With burial D: |  |  |  |  |
|  | 14. Bowl (S of head) |  | Disc. |  |
|  | 15. Bowl CB-3bi (S of head) |  | 23567 | fig. 76 a |
|  | 16. Jar UJ—2c, $26.0 \times 16.6 \mathrm{~cm}$ |  | 23594 |  |
|  | 17. Coffin remains |  | Disc. |  |
| g. Under burial D: |  |  |  |  |
|  | 18. Pendants from necklace, see also R 75-8 |  | 23505 |  |
|  | 19. Frag. of galena |  | 23505 |  |
| h. Sherds: |  |  |  |  |
|  | 20. "Red-bk. rough bowl in bottom of shaft." |  | Disc. |  |



Figure 76. Objects from Tomb R 75: (a) No. 15, (b) No. 5, (c) No. 12, (d) No. 13. Scale 2:5

Table 20. Register of Finds in Cemetery R at Qustul (cont.)

| Tomb Description and Contents | Cairo OIM | FigurelPlate |
| :---: | :---: | :---: |
| R 76 |  | fig. 77 a |
| Shaft with end-chamber at the W end |  |  |
| Shaft: denuded, dim. unc. |  |  |
| Chamber: $3.20 \times \sim \times 1.35 \mathrm{~m}$ (present) |  |  |
| Blocking: cb., in 4 courses |  |  |
| Burials: |  |  |
| a. In shaft: |  |  |
| A. W/B/-/- in coffin |  |  |
| b. In chamber: |  |  |
| B. Possibly $\mathrm{E} / \mathrm{B} /-/$, dist. in coffin |  |  |
| C. W/B/ex./sides in coflin below burial B |  |  |
| D. W/R/2-3/- |  |  |
| Bodies: |  |  |
| A. Adult female |  |  |
| B. Senile female |  |  |
| C. Senile female |  |  |
| D. Mature female |  |  |



Figure 77. Plan and Object from Tomb R 76: (a) Plan, (b) No. 7. Scales (a) 1:40 and (b) 1:2
Objects:
a. With burial A:

1. Coffin remains Disc.
2. Jar UJ-2c (S of head) 23500
3. Bowl CB-3biii, hor. int. bur. red ct. (S of pelvis, under coffin)

23500
4. Bowl CB-3bi, red ct. int. hor. bur. (in R 76-3)
figs. 21, 78g
5. Bowl CB-4aii, unsmoothed (in R 76-4)


Figure 78. Objects from Tomb R 76 (cont.): (a) No. 4, (b) No. 5, (c) No. 3, (d) No. 12, (e) No. 9, (f) No. 11, (g) No. 2. Scale $2: 5$

Table 20. Register of Finds in Cemetery R at Qustul (cont.)
Tomb Description and Contents Cairo

OIM
Figure/Plate
R 76 (cont.)
Objects (cont.):
b. With burials $\mathrm{B}-\mathrm{C}$ :
6. Coffin Disc.
c. With burial D:
7. Kohl jar II—B3b 23510
8. Hematite kohl stick, 4.5 cm (in R 76-7) 23510
9. Bowl CB-4aiii (at feet) 23496
10. Jar UJ-2c, $24.0 \times 15.5 \mathrm{~cm}$ (at feet) 23591
11. Jar UJ-1 (at feet) 23596
12. Bowl CB--3ai (at knees) 23495
fig. 77b
fig. 78 e
fig. 78 f
fig. 78 d

R 79
fig. 79 a
Shaft with chamber on the $W$ end
Shaft: denuded, ca. $2.10 \times-\times-\mathrm{m}$, irregular shape

a
$\square$


Tweezers

Figure 79. Plans and Objects from Tomb R 79: (a) Plans, (b) No. 8, (c) No. 9. Scale 1:2 except (a) 1:40

Table 20. Register of Finds in Cemetery R at Qustul (comt.)

| Tomb | Description and Contents | Cairo | OlM | Figure/Plate |
| :--- | :--- | :--- | :--- | :--- | :--- |

R 79 (cont.)
Chamber: $2.00 \times-\times<1.30 \mathrm{~m}$ (also damaged)
Blocking: cb. unc.
Burials:
a. In shaft:
A. E/face'?/ex.-slightly bent/-, dist. at ca. -0.80 m
B. W/B/ex./-, in coffin above burial C
C. W/R/ex./-, in same coffin below burial B
b. In chamber at ca. 1.30 m :
D. W/L/ex./-

Bodies:
A. Mature fenale
B. Young adult female
C. Adult female
D. Mature male


Figure 80. Objects from Tomb R 79 (cont.): (a) No. 13, (b) No. 5, (c) No. 3, (d) No. 16. Scale 2:5
Objects:
a. With burial A:

1. Jar CJ-6bii or iii 23557
2. Jar CJ-6biii, It. ct., neck down 23558
fig. 81e
3. Bowl CB-3bi, with lid, 2.5YR 6/6, 2.5YR 3/0, 2.5YR 3/4

23551
fig. 80c

Table 20. Register of Finds in Cemetery R at Qustul (cont.)


Figure 81. Objects from Tomb R 79 (com.): (a) No. 4, (b) No. 15, (c) No. 12, (d) No. 10. (e) No. 2. Scale 2:5 except (e) 1:5

R 79 (cont.)
Objects (cont.):
a. With burial A (comt.):
4. Bowl CB—ld

23554
5. Bowl CB-1g

23553
6. Bowl CB-1b, sloppy pk. rim band

23552
b. With burials B-C:
7. Coffin remains
8. Kohl jar II-B3b, serpentine (under head of burial B)
9. Tweezers (in R 79-8?)
10. Jar II-PJ-2cvi, remains of dec. (at head of burial B)
11. Hair ring/earring? of copper

Disc.
23512
23511
23560
Samp.
fig. 81a
figs. $1 \mathrm{k}, 80 \mathrm{~b}$
fig. 79b
fig. 79c
fig. 81d

Table 20. Register of Finds in Cemetery R at Qustul (cont.)
Tomb Description and Contents Cairo $\quad$ OIM $\quad$ FigurelPlate

R 79 (cont.)
Objects (comt.):
c. With burial D:

| 12. Jar II-PJ-2ciii, small | 23492 | fig. 81c |
| :--- | :--- | :--- |
| 13. Bowl CB-3bii | 23494 | fig. 80 a |
| 14. Jar CJ-6biii | 23559 |  |
| 15. Bowl CB-Id | 23556 | fig. 81 b |
| Unc. location, at feet of burial A?: |  |  |
| 16. Bowl CB-Id | 23555 | fig. 80 d |

R 81
Irregular shaft or intersecting pair of shafts
Shaft: $2.25 \times 0.70 \times 0.40 \mathrm{~m}$
Extension to S: $1.50 \times 1.00 \times 0.40 \mathrm{~m}$
Burial: -
Body: adult male
Object:

1. "Drop-jar" (probably CJ)

Disc.


Figure 82. Plan and Section of Tomb R 83. Scale 1:40

## R 83

Shaft: rect., $2.22 \times 0.57 \times 0.70 \mathrm{~m}$
Burial: W/L/ex./sides
Body: adult female
Objects, at NW and NE comers, respectively:

1. Jar CJ—10biii, red ct., vert. bur., 2.5YR 5/8, 2.5YR 6/4 interior

23491
23572
fig. 82
figs. 61, 83a, pl. 17c
figs. 5d, 83b

Table 20. Register of Finds in Cemetery $R$ at Qustul (cont.)


Jar CJ-10biii
a


Jar IV-CJ-5biii
b

Figure 83. Objects from Tomb R 83: (a) No. 1, (b) No. 2. Scale 2:5

Shaft with end-chamber at the E end
Shaft: rect., $2.40 \times 0.72 \times 2.45 \mathrm{~m}$
Chamber: $2.65 \times 2.80 \times 1.43 \mathrm{~m}$
Blocking: cb., 3 bricks across, 7 courses present
Burials:
a. In shaft:
A. W/L/ex.-slightly bent/-
b. In shaft, scattered bones in fill above burial A :
B. -
C. -
D. -
c. In chamber, mixed:
E. -
F. -
G. -

Table 20. Register of Finds in Cemetery R at Qustul (cont.)


Figure 84. Plans and Object from Tomb R 84: (a) Plans, (b) No. 2. Scales (a) 1:40 and (b) 1:2
R 84 (cont.)
Bodies:
A. Mature male
B. Infant II
C. Mature male
D. Infant I
E. Senile female
F. Mature female
G. Mature male

Objects:
a. In shaft at level of burial A:

1. Jar II—PJ—ldi, 5 YR 7/4, 2.5YR 5/6, 2.5YR 5/8, red and bk. lines
2. Kohl jar II—B, unc., $6.5 \times 5.0 \mathrm{~cm}$

23588
23509
figs. 7j, 86b, pl. 18b
pl. 39d


Figure 85. Objects from Tomb R 84 (cont.): (a) No. 27, (b) No. 17 , (c) No. 13, (d) No. 15, (e) No. 7, (f) No. 26 , (g) No. 16, (h) No. 8, (i) No. 5, (j) No. 33. Scale 2:5


Figure 86. Objects from Tomb R 84 (cont.): (a) No. 19, (b) No. 1, (c) No. 28, (d) No. 14, (e) No. 18. Scale 2:5

Table 20. Register of Finds in Cemetery R at Qustul (cont.)

| Tomb | Description and Contents | Cairo | OIM | FigurelPlate |
| :---: | :---: | :---: | :---: | :---: |
| R 84 (cont.) |  |  |  |  |
| Objects (cont.): |  |  |  |  |
| a. In shaft at level of burial A (cont.): |  |  |  |  |
|  | 3. Bowl |  | Disc. |  |
|  | 4. Jar |  | Disc. |  |
|  | 5. Bowl UA-? |  | 23968 | fig. 85 i |
|  | 6. Bowl |  | Disc. |  |
|  | 7. Bowl CB-3biii |  | 23972 | fig. 85 e |
|  | 8. Bowl CB-5b |  | 23568 | fig. 85 h |
| b. In fill of shaft: |  |  |  |  |
|  | 9. Beads, fa., 4 |  | Samp. |  |
|  | 10. Scarab, mn-hpr-r', $1.3 \times 0.9 \times 0.6 \mathrm{~cm}$ |  | 23507 n |  |
|  | 11. Bowl, "red" |  | Disc. |  |
| c. In chamber, pile of pottery at N side: |  |  |  |  |
|  | 12. Jar CJ—5aiii, $27.0 \times 15.5 \mathrm{~cm}$ |  | 23570 |  |
|  | 13. Bowl CB-2a, wh. band int. rim, 2.5YR 6/6, 5YR 8/1, 5YR $6 / 6$ |  | 23583 | figs. $1 \mathrm{~m}, 85 \mathrm{c}$ |
|  | 14. Jar CJ-5aiii |  | 23569 | fig. 86 d |
|  | 15. Bowl CB-3bi |  | 23582 | fig. 85 d |
|  | 16. Bowl CB-3biii, red ct. int. bur. |  | 23577 | fig. 85 g |
|  | 17. Bowl CB-lb |  | 23575 | fig. 85 b |
|  | 18. Jar CJ-5avi |  | 23584 | figs. 4b, 86e |
|  | 19. Jar PJ-2biii |  | 23587 | figs. $70,86 \mathrm{a}$ |
|  | 20. Bowl, broken |  | Disc. |  |
|  | 21. Bowl CB-3bi, $16.0 \times 5.0 \mathrm{~cm}$ |  | 23581 |  |
|  | 22. Bowl, broken |  | Disc. |  |
|  | 23. Bowl CB-3bi, hor. int. bur. red ct., $16.0 \times 5.0 \mathrm{~cm}$ |  | 23579 |  |
|  | 24. Bowl CB-3bi, hor. bur. int. red ct., $16.0 \times 4.8 \mathrm{~cm}$ |  | 23580 |  |
|  | 25. Bowl CB-1d, $27.0 \times 4.5 \mathrm{~cm}$ |  | 23578 |  |
|  | 26. Bowl CB-1d |  | 23576 | fig. 85 f |
|  | 27. Bowl CB-lb |  | 23574 | fig. 85 a |
| d. In chamber, fill: |  |  |  |  |
|  | 28. Jar II-PJ-1c, hor. ptd. bands, red and bk. |  | 23493 | figs. $7 \mathrm{i}, 86 \mathrm{c}$ |
|  | 29. Bowl, "flaring" (UA?) |  | Disc. |  |
|  | 30. Jar, "large" |  | Disc. |  |
|  | 31. Scarab, gn. gz. st., flying flacon, with flail on body, and cartouche in talons, $1.2 \times 1.0 \times 0.7 \mathrm{~cm}$ |  | 23531 n |  |
|  | 32. Kohl jar 4, serpentine and mica |  | 23524 | fig. 84b |
|  | 33. Spindle bottle $1 \mathrm{M}-5$ |  | 23590 | fig. 85 j |
|  | 34. Pieces of painted wood coffin |  | 32126 |  |

Table 20. Register of Finds in Cemetery R at Qustul (cont.)

| Tomb | Descripion and Contents | Cairo | OIM | Figure/Plate |
| :---: | :---: | :---: | :---: | :---: |
| R 85 |  |  |  |  |
| Shaft: oval, $1.25 \times 0.57 \times 0.30 \mathrm{~m}$ |  |  |  |  |
| Burial: - |  |  |  |  |
| Body: 1-2 years |  |  |  |  |
| Objects: |  |  |  |  |
|  | 1. Jar, "small red pot" |  | Disc. |  |
|  | 2. Beads |  | 23424 |  |
| R 86 |  |  |  |  |
| Shaft: $0.60 \times 0.37 \times 0.33 \mathrm{~m}$ |  |  |  |  |
| Burial: - |  |  |  |  |
| Body: 2-3 years |  |  |  |  |
| Object: |  |  |  |  |
|  | 1. Jar CJ—5bii, $25.5 \times 14.0 \mathrm{~cm}$ (against W rear wall) |  | 23571 |  |
|  |  |  |  |  |

Figure 87. Plan of Tomb R 88. Scale 1:40
R 88
fig. 87
Shaft: rect. with rounded comers, $1.70 \times 0.70 \times 1.00 \mathrm{~m}$
Burial: W?/B/ex./pubis
Body: 10-12 years, female
Objects:

| 1. Jar UJ—2b (at feet) | 23592 | fig. 88 a |
| :--- | :--- | :--- |
| 2. Bowl, "hole in base" (UA?) (at legs) | Disc. |  |
| 3. Bowl (at hips) | Disc. |  |
| 4. Jar CJ—5?, with lt. ct., red and bk. ptd. bands | 35601 |  |

R 91
Two intersecting shafts:
A. Irreg. shaped, NE-SW, $1.35 \times 0.60 \times 0.27 \mathrm{~m}$
B. $\mathrm{E}-\mathrm{W}, 0.90 \times 0.38 \times 0.38 \mathrm{~m}$

## Burials:

A. From N pit
B. -
C. -

Table 20. Register of Finds in Cemetery R at Qustul (cont.)


Figure 88. Objects from Tombs R 88 and R 91: (a) No. 1 (R 88). (b) No. 3 (R 91). Scale 2:5

## R 91 (come)

Bodies:
A. Infant, premature or newborn
B. Adult
C. Juvenile

Objects:

1. Scarab, gn. g7. st., uninscribed, $0.8 \times 0.6 \times 0.4 \mathrm{~cm}$
2. Kohl stick, wood
3. Jar CJ—5aiii, red ct.
$23508 \mathrm{n} / \mathrm{a}$
Samp.
23589 fig. 88b

R 94
fig. 89 a
Shaft with end-chambers:
Shaft: rect., $2.20 \times 0.65 \times 1.80 \mathrm{~m}$
W chamber: $2.05 \times 1.37 \times 0.92 \mathrm{~m}$, threshold step 0.20 m wide
E chamber: $2.30 \times 2.30 \times 1.06 \mathrm{~m}$, floor below shaft, step in shaft
Burials:
a. In shaft, disarticulated and mixed:
A. -
B. -

Table 20. Register of Finds in Cemetery R at Qustul (cont.)


Figure 89. Plan and Objects from Tomb R 94: (a) Plan, (b) No. 14 ( 2 right), No. 16 ( 2 left). Scales ( $a$ ) 1:40 and ( $b$ ) 1:1

R 94 (comt.)
Burials (cont.):
a. In shaft, disarticulated and mixed (cont.):
C. -
D. -
E. -
F. -
G. -
H. -
b. In W chamber, disarticulated and mixed: ${ }^{22}$
I. -
J. -
K. -
L. -
M. -
N. -
O. -
22. This list is according to numbered individuals. To the $L$ on the grave sheet is the notation of 6 skulls, and below, 2 infant $I$, and again, below, 4 large skulls, female.

Table 20. Register of Finds in Cemetery R at Qustul (cont.)

23. The series of skulls included 9 , all female.

REGISTER OF FINDS


Figure 90 . Objects from Tomb R 94 (cont.): (a) No. 21, (b) No. 10, (c) No. 3, (d) No. 18, (e) No. 17, (f) No. 7 . Scale $2: 5$

Table 20. Register of Finds in Cemetery R at Qustul (cont.)


REGISTER OF FINDS


Headrest


Figure 91. Objects from Tomb R 94 (cont.): (a) Nos. 23 and 28, (b) Nos. 22 and 25, (c) No. 24. Scale 1:2

Table 20. Register of Finds in Cemetery R at Qustul (cont.)

| Tomb | Description and Contents | Cairo | OIM | FigurelPlate |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |

## R 99 Possibly later grave

Shaft intersected by circular pit
A. Shaft: ? $\times$ ca. $0.50 \times 0.20-0.30 \mathrm{~m}(\mathrm{~N}-\mathrm{S})$
B. Pit: cut shaft at SE end, $0.90 \times 0.80 \mathrm{~m}$

Burial: S/B/ex./pubis, legs dist.
Body: -
Object:

1. Two painted sherds of N.K. type Disc.

R 120
Shaft: $1.60 \times 0.55 \times 0.70 \mathrm{~m}$, with rounded ends
Burial: -
Body: ca. 3-4 years
Object:

1. Scarab, bl. fa., L.E. plant (run together with $n b$ sign?) 23532 fig. 12 m
B. CEMETERY V

The plain to the north of cemetery R was sparsely dotted (pls. 3-4) with burials of A-Group (Williams 1989), New Kingdom, Napatan (Williams 1990b), and X-Group date (Williams 1991b). There was one cluster of Christian tombs, and circular pits were also found. They consisted of several areas with isolated plots and clusters of graves on the terrace dispersed between the houses of Qustul, scattered from just below the 125 almost to the 130 contour, distributed over a one kilometer stretch of the village. Individual tombs and their date assignments are indicated in Williams 199 lb , table 26.

Burial sheets for tombs from VA-G were dated between 19 March and 10 April 1963; VH tombs were excavated on 23 February 1964.

Table 21. Register of Finds in Cemetery V at Qustul

Tomb Description and Contents $\quad$ Cairo $\quad$ OIM | Figure/Plate |
| :--- |

VB 25 Tomb reused, see Williams 1990b: 72 and fig. 25
Shaft with chamber on the eastern end
Shaft: $2.10 \times 0.90 \times 1.48 \mathrm{~m}$
Chamber: $2.25 \times 1.60-2.25 \times 1.02 \mathrm{~m}$
Blocking: large stones
Burials in E chamber:
A. W/B/ex./sides
B. S dist./B/ex./pubis
C. N dist./L?/ex./-
D. Edist./R/ex./-
E. N dist./-/ex./-

Table 21. Register of Finds in Cemetery V at Qustul (com.)

| Tomb Description and Contents |
| :--- |
| VB 25 (cont.) |
| Bodies: |
| A. Mature male |
| B. Senile female |
| C. Adult male |
| D. Juvenile female |
| E. Mature female |
| Objects: |
| a. Under body burial D: |
| 1. Scarab (Williams 1990b) |
| 2. Hathor amulet (Williams 1990b) |
| 3. Bes amulet (Williams 1990b) |
| 4. Beads, etc. (Williams 1990b) |
| b. In shaft: |
| 5. "Sherds, N.K." |

VC 45
Shaft: irreg. $/$ rect. with rounded ends, $1.95 \times 0.30-0.52 \times 0.70 \mathrm{~m}$
Burials:
A. E/B/ex./sides in coffin
B. W/B/ex./sides? below burial A
C. - dist. in E end

Bodies:
A. Infant II
B. Juvenile female
C. Juvenile female

Objects:
a. In shaft:

1. Bowl CB—1h, int. hor. bur. red ct. 21582 figs. 11,92a
2. Bowl CB-1h

21579 fig. 92b
3. Jar CJ-Saxiv, smoothed above

21603
figs. 5a, 92d, pl. 28b
b. With burial B:
4. Coarse platter CP, with red rim band $\quad 21580$ fig. 92c
5. Beads (under body) 21633
fig. 17e
c. With burial A:
6. Coffin remains, burial A

Disc.

Table 21. Register of Finds in Cemetery V at Qustul (cont.)


Figure 92. Objects from Tomb V 45: (a) No. 1, (b) No. 2, (c) No. 4, (d) No. 3. Scale 2:5
VC 46
figs. 93, 94a
Shaft with end-chamber at the E end ${ }^{24}$
Shaft: $2.25 \times 0.85-0.95 \times 3.00 \mathrm{~m}$
Corridor: $0.50 \times 0.82 \times 1.05-1.15 \mathrm{~m}$, with 0.10 m drop
Chamber: $2.20 \times 2.90-3.05 \times 1.30 \mathrm{~m}$ (max.)
Blocking: cb. with mud plaster
Burials:
a. In shaft at -0.75 m , level I :
A. -
B. -
24. The burial sheets state that the chamber is on the $\mathbf{W}$, but Knudstad's plan shows it on the $E$.


Figure 93. Plans and Section of Tomb V 46. Scale 1:40

NEW KINGDOM REMAINS FROM QUSTUL AND ADINDAN


Figure 94. Plans and Object from Tomb V 46: (a) Plans, (b) No. 17. Scales (a) 1:40 and (b) 1:1

Table 21. Register of Finds in Cemetery V at Qustul (cont.)

25. The notes record the wood as remains of a coffin, but this burial belongs to the Twenty-fifth Dynasty/Napatan groups and it is probably a bed burial; see Williams 1990 b.

Table 21. Register of Finds in Cemetery V at Qustul (cont.)
Tomb Description and Contents $\quad$ Cairo $\quad$ OIM $\quad$ FigurelPlate

VC 46 (cont.)
Burials (cont.):

1. Chamber, level I (lower):

AD. E/B/ex./sides
AE. E/B/ex./sides
AF. E/B/ex./sides?
AG. E/B/ex./sides
AH. E/B/ex./sides?
m. Chamber, level II:

AI. W/B/ex./sides
AJ. W/B/ex./sides
AK. W/B/ex./sides
AL. W/B/ex./sides
AM. W/B/ex./sides
AN. N/B?/ex./-
AO. - (skull, NW comer) -
Bodies:
A. (Skull) -
B. (Skull) -
C. -
D. -
E. Mature female
F. Senile male
G. Senile
H. Mature male
I. Senile female
J. (Skull) -
K. (Skull) -
L. Mature male
M. Mature-senile male

N . Mature male
O. Senile female?
P. Mature male
Q. Adult female?
R. Senile female
S. -
T. Adult female
U. Senile female
V. Mature-senile male
W. -
X. Mature-senile female
Y. Mature-senile female
Z. Juvenile female

Table 21. Register of Finds in Cemetery $V$ at Qustul (cont.)

| Tomb | Description and Contents | Cairo | OIM | FigurelPlate |
| :---: | :---: | :---: | :---: | :---: |
| VC 46 (cont.) |  |  |  |  |
| Bodies (cont.): |  |  |  |  |
| AA. Male |  |  |  |  |
| AB. Mature female |  |  |  |  |
| AC. Mature female |  |  |  |  |
| AD. Senile male |  |  |  |  |
| AE. Mature-senile female |  |  |  |  |
| AF. - |  |  |  |  |
| AG. - |  |  |  |  |
| AH. - |  |  |  |  |
| AI. Adult-mature male |  |  |  |  |
| AJ. Senile female |  |  |  |  |
| AK. Senile female |  |  |  |  |
| AL. Mature-senile |  |  |  |  |
| AM. Mature-senile female |  |  |  |  |
| AO. (Skull, NW corner) - |  |  |  |  |
| Objects: |  |  |  |  |
| a. With level II and from fill: |  |  |  |  |
|  | 1. Bowl (Williams 1990b) |  | 21601 |  |
|  | 2. Bowl (Williams 1990b) |  | 21600 |  |
|  | 3. Bowl (Williams 1990b) |  | 21612 |  |
|  | 4. Bowl CB-5b, red rim band (reused, see Williams 1990b) |  | 21613 |  |
|  | 5. Bowl CB-5b, red rim band (reused, see Williams 1990b) |  | 21614 |  |
|  | 6. Bed remains (Williams 1990b) |  | Disc. |  |
| b. With level IV: |  |  |  |  |
|  | 7. Bowl (E of hand of burial F ) |  | - |  |
|  | 8. Bowl (in VC 46-6) |  | - |  |
|  | 9. Bowl (at waist of burial F) |  | - |  |
|  | 10. Jar, see VC 46-12? |  | 21638 | fig. 100a, pl. 22c |
|  | 11. "Around these bodies frags. of pottery" |  | - |  |
|  | 12. Miniature amphora MA-1, lt. ct. |  | - |  |
| c. With level V, above head of burial R: |  |  |  |  |
|  | 13. Bowl |  | - |  |
|  | 14. Jar UJ-3b, red ct. |  | 21639 | figs. 2q, 98d, pl. 14d |
|  | 15. Jar CJ-2a, red ct. |  | 21635 | fig. 98a |
|  | 16. Jar CJ-10biv alpha, 5YR 6/4, 2.5YR 5/6, 2.5 YR 3/0 |  | 21636 | figs. 7a, 95a |
| d. With level VI: |  |  |  |  |
|  | 17. Hair rings/earrings, 3, 1 car., 2 jasper |  | 21780 | fig. 94b |
| e. With level VII: |  |  |  |  |
|  | 18. Amphora IV-AM-3a, gr.-wh. |  | 21634 | figs. $9 \mathrm{~g}, 100 \mathrm{c}, \mathrm{pl} .26 \mathrm{c}$ |
|  | 19. Scarab, gz. st., 'anra' type (R wrist of burial V) | Q1984, 8 |  | fig. 13a, pl. 48j |
|  | 20. Coffin frags. of burial W? with gypsum |  | Disc. |  |

Table 21. Register of Finds in Cemetery V at Qustul (cont.)


Figure 95. Objects from Tomb V 46 (comt.): (a) No. 16, (b) No. 53, (c) No. 55, (d) No. 54, (e) No. 23. Scale 2:5

VC 46 (cont.)
Objects (cont.):
f. With level VIII:
21. Jar (at head of burial X)
22. Bowl (at foot of burial $X$ )
23. Jar $\mathrm{CJ}-8 \mathrm{bii}$, red rim band (at foot of burial X )
24. Jar, broken (at foot of burial $X$ )
25. Jar (at head of burial Y)

Disc.
26. Jar (at feet of burial $Y$ )
27. Bowl (at feet of burial Y)
28. Hair rings/earrings, 2 jasper (under head of burial $Y$ )

Q2023, 89898
pl. 47a
29. Scarab, amethyst, uninscribed (pelvis of burial Y)

Table 21. Register of Finds in Cemetery V at Qustul (cont.)


Figure 96. Objects from Tomb V 46 (com.): (a) No. 65, (b) No. 57, (c) No. 60, (d) No. 50. Scale $2: 5$
VC 46 (cont.)
Objects (comt.):
f. With level VIII (cont.):
30. Scarab, st., nb tswy wsr-m' 't-r'stp-n-r', flanked by urae

Q1982, 89923
fig. 13b, pl. 48i
left with Red Crown, right with White Crown,
šn signs hooked on tails (pelvis of burial Y)
g. With level IX:
31. Scarab, bl. gz. st., linked S-scrolls ( $L$ hand of burial $Z$ )

21745
32. Bowl CB-4aii, slightly smoothed, $16.0 \times 6.5 \mathrm{~cm} 21662$
33. Bowl CB-5b, It. hor. bur. red ct.
34. Bowl CB-5b, red ct. int. and outer rim
35. Cowroid, bl. gz. st., Hathor symbol with pendant uraei (loc.?)

21664 fig. 97c
21744 fig. 13d

Table 21. Register of Finds in Cemetery V at Qustul (cont.)

| Tomb | Description and Contents | Cairo | OIM | Figure/Plate |
| :--- | :--- | :--- | :--- | :--- | :--- |



Figure 97. Objects from Tomb V 46 (cont.): (a) No. 48, (b) No. 33, (c) No. 34, (d) No. 52. Scale 2:5
VC 46 (cont.)
Objects (cont.):
h. With level X:
36. Scarab, ntr nfr nh tswy wsr-ms't-r'stp-n-r' mry-pth

Q1990, 89915
fig. 13e, pl. 48c
i. With level XI:
37. Bowl (at feet of burial AB )
38. Bowl
39. Bowl (at head of burial AC)
40. Jar (at head of burial AC)
$\qquad$


Figure 98. Objects from Tomb V 46 (cont.): (a) No. 15, (b) No. 47, (c) No. 51, (d) No. 14. Scale $2: 5$


Figure 99. Objects from Tomb V 46 (cont.): (a) No. 56, (b) No. 58. Scale 2:5


b

c

Figure 100. Objects from Tomb V 46 (cont.): (a) No. 10, (b) No. 45, (c) No. 18. Scale 2:5 except (b) 1:5

Table 21. Register of Finds in Cemetery V at Qustul (cont.)


Table 21. Register of Finds in Cemetery V at Qustul (cont.)

| Tomb Description and Contents | Cairo OIM | Figure/Plate |
| :---: | :---: | :---: |
| VC 47 |  | fig. 101, pl. 9a |
| Shaft with multiple chambers, all on the E end |  |  |
| Shaft: $2.11 \times 0.78-0.81 \times 3.20-3.38 \mathrm{~m}$, doorway $0.38 \times 0.64 \mathrm{~m}$ |  |  |
| Chamber A: $2.01 \times 1.48 \times$ ca. 1.20 m |  |  |
| Blocking: irreg. cb. |  |  |
| Chamber B: $(\mathrm{N}$ of Chamber A) , $1.94 \times 1.20 \times$ ca. 1.20 m |  |  |
| Partition: $0.52 \times 0.71 \mathrm{~m}$ |  |  |
| Chamber C: $(\mathrm{W}$ of Chamber A ), $2.04 \times 0.90 \times 1.14 \mathrm{~m}$ |  |  |
| Passage: $-\times 0.41 \mathrm{~m}$ |  |  |
| Burials: |  |  |
| a. In shaft: ${ }^{26}$ |  |  |
| A. E/B/ex./sides-pubis (at -3.13 m ) |  |  |
| b. In chamber A: |  |  |
| B. - |  |  |
| C. - |  |  |
| D. - |  |  |
| c. In chamber B: |  |  |
| E. - |  |  |
| F. - |  |  |
| d. In chamber C : |  |  |
| G. - |  |  |
| H. - |  |  |
| Bodies: |  |  |
| A. Mature-senile female |  |  |
| B. (Against $S$ wall, skull) - |  |  |
| C. (Against S wall, skull) |  |  |
| D. (Against $S$ wall, skull) |  |  |
| E. (Against S wall, skull) - |  |  |
| F. (In NE comer, skull) - |  |  |
| G. (In W comer, skull) - |  |  |
| H. (In SW comer, skull) - |  |  |
| Objects: |  |  |
| a. Probably from shaft: |  |  |
| 1. Amulet, Taweret, bl. fa. and beads | 21631 |  |
| 2. Kohl jar II-A2a, alabaster | 21630 | pl. 391 |
| 3. Mask from coffin or cartonnage | Q1856, 89867 |  |
| 4. Bowl | - |  |
| 5. Bowl UA-2 or 3 | 22278 | fig. 102b |
| 6. Jar | - |  |

[^18]

Figure 101. Plan and Section of Tomb V 47. Scale 1:40

Table 21. Register of Finds in Cemetery V at Qustul (cont.)


Figure 102. Objects from Tomb V 47: (a) No. 7, (b) No. 5, (c) No. 9. Scale 2:5

## VC 47 (cont.)

Objects (cont.):
a. Probably from shaft (cont.):
7. BowI CB-4aiii, red rim band 21640
8. Jar UJ-2c, splashes of clay above, $29.2 \times 15.7 \mathrm{~cm}$

22349
9. Jar UJ-2c, splashes of clay above

22356
fig. 102a

From chamber A:
10. Jar

Disc.
11. Jar, large

Disc.
12. "Broken pottery"

Disc.
c. From chamber B:
13. Coffin remains

Disc.
d. From chamber C:
14. Coffin remains with dec.

Disc.

Table 21. Register of Finds in Cemetery V at Qustul (cont.)

| Tomb | Description and Contents | Cairo | OIM |
| :--- | :--- | :--- | :--- |
| VC 48 | FigurelPlate |  |  |
| Shaft with end chambers: | figs. 103-105a |  |  |
| Shaft: rect., $2.30 \times 1.00 \times 3.20 \mathrm{~m}$, row of hand/ |  |  |  |
| foot-holds cut in each side wall |  |  |  |
| W chamber: unfinished and irreg. at the W end, |  |  |  |
| $2.90 \times 3.15 \times 1.10 \mathrm{~m}$ |  |  |  |
| Doorway: $0.60 \times 0.90 \mathrm{~m}$, no threshold |  |  |  |
| Blocking: two courses cb. and stone slabs |  |  |  |
| E chamber: $2.50 \times 3.00 \times 1.20-1.50 \mathrm{~m}$ |  |  |  |
| Doorway: $0.35-0.40 \times 0.90 \mathrm{~m}$ |  |  |  |

Blocking: large stone slab and dist. bricks
Burials:
a. Shaft, level I at -0.98 m , under large slabs in NW comer:
A. W/B/ex./sides
b. Level II, at -1.55 m under two stone slabs:
B. W/B/ex./- (to W)
C. W/B/ex. $/$ - (to E)
D. -
c. Level Ill under stone slab at -1.80 m :
E. W/B/ex./pubis
d. Level IV at -2.08 m :
F. W/B/ex./pubis (in coffin to $S$ )
G. W/R/ex./pubis (in coffin to N)
e. Level V at -2.30 m :
H. E/B/ex./pubis (above I)

1. W/B/ex./pubis (in coffin to S)
J. W/B/ex./- (in coffin to N)
f. Level VI at -2.65 m :
K. E/B/ex./sides (in coffin to $S$ )
L. W/B/ex./sides (in coffin to N )
g. Level VII at $-2.85 \mathrm{~m}: \quad$ pl. 9b
M. $\mathrm{E} / \mathrm{B} /$ - (in anth. coffin)
N. - (below coffin, face down)
O. W/- (coffin between)
h. W chamber:
P. W/B/ex./sides
Q. W/B/ex./sides face $S$
R. W/B/ex./-
S. W/B/ex./- (in anth. coffin)
T. - (in anth. coffin)


Figure 103. Plan and Section of Tomb V 48. Scale 1:40

NEW KINGDOM REMAINS FROM QUSTUL AND ADINDAN



Figure 105. Plans and Objects from Tomb V 48: (a) Plans, (b) No. 102, (c) No. 99, (d) No. 83. Scale 1:2 except (a) 1:40

Table 21. Register of Finds in Cemetery V at Qustul (cont.)

| Tomb | $b$ Description and Contents | Cairo | OIM | Figure/Plate |
| :---: | :---: | :---: | :---: | :---: |
| VC 48 (cont.) |  |  |  |  |
| Burials (cont.): |  |  |  |  |
| i. E chamber: |  |  |  |  |
| U. - |  |  |  |  |
| V. W/B/ex./pubis (in anth. coffin) |  |  |  |  |
| W. W/B/ex./sides (in coffin) |  |  |  |  |
| X. W/B/ex./sides (in coffin) |  |  |  |  |
| Bodies: |  |  |  |  |
| A. Mature male |  |  |  |  |
| B. Mature |  |  |  |  |
| C. Senile male? |  |  |  |  |
| D. (Skull) female |  |  |  |  |
| E. Mature male |  |  |  |  |
| F. Mature-senile male |  |  |  |  |
| G. Adult-mature male |  |  |  |  |
| H. Mature female |  |  |  |  |
| I. Mature-senile female |  |  |  |  |
| J. Senile female |  |  |  |  |
| K. Adult-mature male |  |  |  |  |
| L. Mature female |  |  |  |  |
| M. - |  |  |  |  |
| N. Juvenile |  |  |  |  |
| O. - |  |  |  |  |
| P. Mature female |  |  |  |  |
| Q. Senile male |  |  |  |  |
| R. Mature female |  |  |  |  |
| S. Senile female |  |  |  |  |
| T. Mature male |  |  |  |  |
| U. (Skull) |  |  |  |  |
| V. Mature male |  |  |  |  |
| W. Senile male |  |  |  |  |
| X. Mature-senile female |  |  |  |  |
| Objects: |  |  |  |  |
| a. Level IV: |  |  |  |  |
|  | 1. Scarab, bl. gz. st., dsr-ks-r ${ }^{\prime}$ ( near L wrist of burial F) |  | 21741 | fig. 13j |
|  | 2. Scarab, bl. gz. st., L.E. plant (run together with $n b$ sign) above are $r^{\prime}$ and $n b$ ? (near $L$ wrist of burial G) |  | 21738 | fig. 131 |
|  | 3. Jar UJ-3b (at feet of burial G) |  | 21925 | fig. 113b |
| b. Level V: |  |  |  |  |
|  | 4. Scarab, bl. gz. st., Horus with scepters (pelvis, of burial H) |  | 21737 | fig. 13 m |
|  | 5. Coffin remains, burial I |  | Disc. |  |
|  | 6. Cowroid, bi-parabolic, bl. gz. st., Hathor flanked by Red Crowns |  | 21740 | fig. $13 n$ |



Figure 106. Objects from Tomb V 48 (cont.): (a) No. 50, (b) No. 112, (c) No. 24, (d) No. 82, (e) No. 110, ( $f$ ) No. 84, ( $g$ ) No. 81. Scale 1:2


Figure 107. Ohjects from Tomb V 48 (comt.): (a) No. 106, (b) No. 54, (c) No. 49. (d) No. 108. (f) No. 22, (f) No. 107, (g) No. 51. Scale 2:5


Figure 108. Objects from Tomb V 48 (cont.): (a) No. 94, (b) No. 113 , (c) No. 87, (d) No. 18, (e) No. 21 , ( $f$ ) No. 10 , (g) No. 72, (h) No. 19, (i) No. 43. Scale 2:5


Figure 109. Objects from Tomb V 48 (cont.): (a) No. 48, (b) No. 101, (c) No. 68, (d) No. 67, (e) No. 44, (f) No. 55, (g) No. 98, (h) No. 56. Scale 2:5


Figure 110. Objects from Tomb V 48 (cont.): (a) No. 62, (b) No. 104, (c) No. 85, (d) No. 114, (e) No. 95, (f) No. 79, (g) No. 58, (h) No. 93. Scale 2:5


Figure 111. Objects from Tomb V 48 (conr.): (a) No. 76, (b) No. 33, (c) No. 39, (d) No. 36, (e) No. 60. Scale $2: 5$ except (a) and (b) 1:5

REGISTER OF FINDS


Figure 112. Objects from Tomb V 48 (cont.): (a) No. 59, (b) No. 45, (c) No. 17. Scale 2:5 except (b) 1:5


Figure 113. Objects from Tomb V 48 (cont.): (a) No. 100, (b) No. 3, (c) No. 77. Scale 2:5


Figure 114. Objects from Tomb V 48 (cont.): (a) No. 103, (b) No. 34. Scale 2:5


Figure 115. Objects from Tomh V 48 (cont.): (a) No. 69. (b) No. 38, (c) No. 78. Scale 1:5

Table 21. Register of Finds in Cemetery V at Qustul (cont.)


Table 21. Register of Finds in Cemetery V at Qustul (cont.)

| Tomb | Description and Contents | Cairo | OIM | FigurelPlate |
| :---: | :---: | :---: | :---: | :---: |
| VC 48 (cont.) |  |  |  |  |
| Objects (cont.): |  |  |  |  |
| e. W chamber (cont.): |  |  |  |  |
|  | 43. Bowl CB-1d, int. hor. bur. red ct. |  | 21916 | fig. 108i |
|  | 44. Stand ST-1 |  | 21680 | figs. $10 \mathrm{~m}, 109 \mathrm{e}$ |
|  | 45. Jar CJ-6ai |  | 21936 | figs. 5f, 112b |
|  | 46. Bowl CB-4aiii, red rim band, $20.6 \times 7.7 \mathrm{~cm}$ |  | 21918 |  |
|  | 47. Bowl UA-3, $17.2 \times 10.8 \mathrm{~cm}$ |  | 21923 |  |
|  | 48. Lid LI-1 |  | 21682 | figs. 91, 109a |
|  | 49. Copper or bronze bowl with slightly concave base |  | 21697 | fig. 107c, pl. 46 |
|  | 50. Copper or bronze pitcher | Q1938, 8 |  | fig. 106a, pls. 45-46 |
|  | 51. Copper or bronze stand |  | 21696 | fig. 107 g , pl. 46 |
|  | 52. Copper or bronze mirror, feminiform |  | 21694 | pls. 40-43, 46 |
|  | 53. Slate palette, $15.2 \times 12.4 \times 3.2 \mathrm{~cm}$ | Q1928, 8 |  | pl. 50c |
|  | 54. Copper or bronze bowl with handle |  | 21695 | fig. 107b, pl. 46 |
|  | 55. Bowl UA--? |  | 21929 | fig. 109f |
|  | 56. Bowl UA-3, wh. rim |  | 21708 | fig. 109h |
|  | 57. Bowl UA-3, wh. rim, $21.4 \times 11.6 \mathrm{~cm}$ |  | 21709 |  |
|  | 58. Juglet IM-8, bur. red ct. | Q1957, 8 |  | figs. $101,110 \mathrm{~g}, \mathrm{pl} .29 \mathrm{~b}$ |
|  | 59. Jar CJ-6bv, wh. bands |  | 21721 | figs. 5m, 112a |
|  | 60. Jar CJ-6bi, smoothed above |  | 21713 | fig. 111e |
|  | 61. Bowl CB-4aiii, red rim, $20.0 \times 6.7 \mathrm{~cm}$ |  | 21706 |  |
|  | 62. Jar II-PJ-6a, ptd. |  | 21719 | figs. 9c, 110a |
|  | 63. Lid LI-3, wh. ct., $9.9 \times 9.2 \mathrm{~cm}$ |  | 21714 |  |
|  | 64. Bowl CB-7a, $16.0 \times 6.2 \mathrm{~cm}$ |  | 21705 |  |
|  | 65. Stand ST-1, 2 wh. bands, $13.2 \times 9.0 \mathrm{~cm}$ |  | 21717 |  |
|  | 66 . Bowl UA -2 , wh. rim, $20.3 \times 11.3 \mathrm{~cm}$ |  | 21931 |  |
|  | 67. Bowl UA-2 |  | 21932 | figs. Ic, 109d |
|  | 68. Lid LI-I, wh. tip and rim, 7.5 YR 6/4, 5YR 8/1 |  | 21715 | fig. 109c |
|  | 69. Amphora AM-1, sealed? |  | 21725 | fig. 115a |
|  | 70. Bowl CB-7a, red ct., $15.2 \times 5.9 \mathrm{~cm}$ |  | 21710 |  |
|  | 71. Bowl UA-? | Q2181, d |  |  |
|  | 72. Bowl CB-Id or 2 b , red ct. |  | 21712 | fig. 108 g |
|  | 73. a. Wooden "stud," possibly peg |  | 21767 |  |
|  | b. Wooden shaft, sharpened |  | Disc. |  |
|  | 74. Bowl UA-2, $21.0 \times 11.9 \mathrm{~cm}$ |  | 21927 |  |
|  | 75. Bowl |  | - |  |
|  | 76. Jar CJ-5axiii |  | 21911 | fig. 111a |
|  | 77. Jar CJ-5aix |  | 21933 | fig. 113c |
|  | 78. Amphora IV-AM-2 |  | 22059 | figs. 9f, 115c |
|  | 79. Pilgrim bottle II—IM—7b, bur., 5YR 7/4, 7.5YR 7/4 |  | 21722 | figs. 10k, 110 f |
|  | 80. Stone jar VIII, alabaster | Q1933, 8 |  | pl. 38e |

Table 21. Register of Finds in Cemetery V at Qustul (cont.)


## Table 21. Register of Finds in Cemetery V at Qustul (cont.)

Tomb Description and Contents $\quad$ Cairo $\quad$ OIM | FigurelPlate |
| :--- |

VC 48 (cont.)
Objects (cont.):
i. Unc. loc.:

| 113. Bowl CB—1h, partial red ct. (probably from W chamber) | 21707 | fig. 108b |
| :--- | :--- | :--- |
| 114. Jar II—PJ—2cvi (possibly from V 46) | 22284 | fig. 110d |
| j. Other: | Disc. |  |
| 115. Coffin remains, burial F | Disc. |  |
| 116. Coffin remains, burial G | 21754 | fig. 17 y, pl. 49 e |
| 117. a. Amulet, Taweret, 2, fa., $1.20 \times 0.45 \times 0.25 \mathrm{~cm}$ |  |  |
| b. Amulet, Taweret, 2, car., $1.35 \times 0.55 \times 0.20 \mathrm{~cm}$ |  |  |

VC 49
Shaft: rect., $1.950 \times 0.965 \times 1.750 \mathrm{~m}$
Burial: W/L/ex./pubis (in coffin)
Body: senile male
Object:

1. Coffin, rect.?


Figure 116. Plan and Objects from Tomb V 50: (a) Plan, (b) No. 5, (c) No. 6. Scale 1:2 except (a) 1:40

VC 50
Shaft: rect., $2.25 \times 0.65 \times 0.77 \mathrm{~m}$
Burial: W/B/ex./pubis, face N (coffin)
Body: senile male
Objects:

1. Coffin ("tree-trunk type") Disc.
2. Jar UJ-2b
3. Bowl UA-la
4. Scarab, bl. gz. st., imn- ${ }^{\text {c }}$ (L wrist)
fig. 116a

21602
21578
21570
fig. 117b, pl. 14b
fig. 117a
fig. 14a

Table 21. Register of Finds in Cemetery V at Qustul (cont.)

| Tomb | Description and Contents | Cairo | OlM | Figure/Plate |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |

VC 50 (cont.)
Objects (cont.):
5. Kohl jar II—B3b (under body)

21572 fig. 116b
6. Kohl jar II—B5, red stone

21573
figs. 10a, 116c
7. Wig of braided hair

22367


Figure 117. Objects from V 50 (cont.) and V 53: (a) No. 3 (V50), (b) No. 2 (V50), (c) No. 1 (V 53), (d) No. 2 (V 53). Scale 2:5
VD 53
Shaft with chamber at the $W$ end
Shaft: $2.35 \times 1.23 \times 1.27 \mathrm{~m}$
Chamber: $2.00 \times 0.82 \times 0.65 \mathrm{~m}$
Burial: -
Body:-
Objects:

1. Bowl CB-4aiii, red rim band

21642
fig. 117c
2. Bowl CB-4aiv, red ct. int.

21641
figs. 1w, 117d

Table 21. Register of Finds in Cemetery V at Qustul (cont.)


Figure 118. Objects from Tomb V 54: (a) No. 3, (b) No. 4. Scale 2:5
Objects:

1. Sherd of bowl ("flowerpot") from blocking
2. Coffin, rect.
3. Bowl CB-1c
4. Bowl UA-3
5. Bowl
6. Plaque, bl. gz. st., obv.: $n b-m s^{\prime t}-r^{\prime}$, rev.: imn-htp hks w'st (L wrist)
7. Amulet, Hathor, 11, bl. fa. (necklace?)
8. Kohl stick of wood, length 11.7 cm

VD 55
Shaft with chamber at the W end and beginning of chamber at the E end
Shaft: $2.70 \times 0.85 \times 1.35 \mathrm{~m}$, hor. stone slabs above and
below burials in shaft
Chamber: $2.00 \times 2.35 \times 0.80 \mathrm{~m}$
Doorway: $15.0 \times 0.85 \mathrm{~m}$
Blocking: stone slabs E chamber, $1.45 \times 0.70 \mathrm{~m}$
Burials:
a. In shaft, top covered by irreg. slabs ${ }^{27}$ level I:
A. E/R/ex./- (coffin, at -0.10 m )
B. W/L/ex.-slightly bent/pubis (at -0.30 m )
C. - (at -0.30 m )
27. One is a fragment of stela (see Chapter 4 for discussion).

Table 21. Register of Finds in Cemetery V at Qustul (cont.)

| Tomb | Description and Contents | Cairo | OIM | FigurelPlate |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |



Figure 119. Plans and Section of Tomb V 55. Scale 1:40
VD 55 (cont.)
Burials (cont.):
b. In shaft at -0.33 m , level II:
D. E/B/ex./sides face $S$ (in coffin, $S$ body)
E. W/B/ex./sides face N (in coffin, N body)

Table 21. Register of Finds in Cemetery V at Qustul (cont.)
Tomb $\quad$ Description and Contents
VD 55 (cont.)
Burials (cont.):
c. In chamber:
F. - (skull on coffin I)-
G. W/B/ex./pubis (in coffin)
H. W/B/ex./pubis (in coffin)
I. W/- (in coffin)
Bodies:
A. Juvenile female
B. Mature male
C. Mature? male
D. Adult female
E. Mature female
F. (Skull on coffin, burial I)-
G. Mature-senile male
II. Mature female
I. Mature female
Objects: ${ }^{28}$
a. In shaft:

1. Stela frag., see Chapter 4
b. In unfinished E chamber:
2. Jar
3. Jar, broken


Figure 120. Objects from Tomb V 55: (a) No. 6, (b) No. 4, (c) No. 5. Scale 2:5
28. Unnumbered coffin fragments are illustrated on plate $34 a, b$.

Table 21. Register of Finds in Cemetery V at Qustul (cont.)



Figure 121. Plans and Section of Tomb V 56. Scale 1:40

Table 21. Register of Finds in Cemetery V at Qustul (cont.)


Figure 122. Objects from Tomb V 56: (a) No. 1, (b) No. 2. Scale 2:5

VF 60
fig. 123a
Shaft with two end-chambers
Shaft: rect., $2.55 \times 0.85-0.95 \times 2.75-2.80 \mathrm{~m}$, large stone slabs at -0.35 m
W chamber: curved walls, $2.10-2.25 \times 2.80 \times 0.80 \mathrm{~m}$
Doorway: 0.35 wide $\times 0.97 \mathrm{~m}$, sand
E chamber: roughly "lobed," $1.95-2.00 \times 3.05 \times 1.00 \mathrm{~m}$
Doorway: $0.20-0.45$ wide $\times 0.97 \mathrm{~m}$
Blocking: course of cb. and sand piled above
Burials:
a. Shaft below slabs, level I:
A. -
b. Shaft at -1.80 m , level II:
B. W/B/ex./pubis (to N)
C. W/L/ex./-
D. W/-
E. -
F. -
c. Shaft at -2.20 m , level III:
G. E?/- ${ }^{29}$
d. Shaft at -2.50 m , level IV:
H. E/B/ex./sides
e. Mixed with sand at entrance to $W$ chamber:
I. -
J. -
29. Kerma type burial, bowls at three comers, a skull placed to the east.

Table 21. Register of Finds in Cemetery V at Qustul (cont.)
Tomb Description and Contents $\quad$ Cairo $\quad$ OIM $\quad$ FigurelPlate

a



Kohl Jar II-A
b
Figure 123. Plans and Objects from Tomb V 60: (a) Plans, (b) No. 17. (c) No. 26. Scale 1:2 except (a) 1:40
VF 60 (cont.)
Burials (cont.):
f. W chamber: ${ }^{30}$
K. - (skull, burials K-M at $S$ wall)
L. -
M. -
N. W/B/ex./pubis (coffin) ${ }^{31}$
O. W/B/ex./- $(\operatorname{coffin})^{32}$
30. " 3 dislocated skulls and bone in burial chamber. Dent. of two defective and worn out. Dent of third well preserved. Two female and one male." The order of events in the $W$ chamber may be as follows: First, burial(s) near the $S$ wall; second, burial $O$ and plundering of $S$ wall burials, which were then thrown out in the blocking (burials $\mathbf{I}-\mathrm{J}$ ); third, burials $\mathrm{K}-\mathrm{L}$, with the plundering of burial O ; fourth, burial N and the plundering of $\mathrm{K}-\mathrm{L}$.
31. The head was placed on a stone.
32. The skull may be of burial $K$ or $L$.

Table 21. Register of Finds in Cemetery V at Qustul (cont.)


[^19]Table 21. Register of Finds in Cemetery V at Qustul (cont.)



Figure 124. Objects from Tomb V 60 (cont.): (a) No. 9, (b) No. 15, (c) No. 23, (d) No. 4, (e) No. 19. Scale $2: 5$

Table 21. Register of Finds in Cemetery $V$ at Qustul (cont.)

Tomb Description and Contents $\quad$ Cairo $\quad$ OIM 



Figure 125. Objects from Tomb V 60 (cont.): (a) No. 27. (b) No. 1. Scale 2:5
VF 60 (cont.)
Objects (cont.):
g. In and under coffin of burials Q-S (cont.):
30. Scarab, bl. gz. st. ntr-nfr mn-hpr-rc

21938
fig. 14h
h. Various locs.:
31. Coffin remains, burial N

Disc.
32. Coffin remains, burial $O$

Disc.
33. Coffin remains, burial $P$
34. Coffin remains, burials Q-S

Disc.
35. Coffin remains, burial T

Disc.
36. Coffin remains, burial V

Disc.
37. Coffin remains, burial W

Disc.
38. Coffin remains, burial X

Disc.
Disc.

Table 21. Register of Finds in Cemetery V at Qustul (cont.)


Figure 126. Objects from Tomb V 60 (cont.): (a) No. 22, (b) No. 16, (c) No. 12, (d) No. 2, (c) No. 6. Scale 2:5
VF 60 (cont.)
Objects (cont.):
h. Various locs. (comt.):
39. Beads; pendants, 1 club-shaped, dio., 3 poppy head/
comflower, bl. fa.; amulets, 1 nfr , car., 2 fish, 1 bl .
fa. and 1 car., $1+$ Taweret, 1 car. and frag. bl. fa. (shaft)
40. Scarab, bl. fa.?, long inscription, ntr nfr nb

Q2233, 89913
fig. $14 \mathrm{i}, \mathrm{pl} .48 \mathrm{~d}$
(crowned sphinx?)-ts.wy ... (under pelvis of burial X)
VF 61
fig. 127
Shaft: ${ }^{34} 3.78 \times 1.20-1.50 \times 0.45-0.86 \mathrm{~m}$, with a sloped floor
Partition: stone wall, $1.45 \times 0.65 \times 0.25 \mathrm{~m}$
"Chamber" A: W or N, $1.60 \times 1.57 \times 0.86 \mathrm{~m}$
"Chamber" B: E or S, $1.80 \times 1.25 \times 0.45 \mathrm{~m}$
Burials:
a. Unc. loc.:
A. W/L/ex./- coffin
34. A-Group shaft, partitioned and reused as two shafts in the New Kingdom; see Williams 1989: 90.

Table 21. Register of Finds in Cemetery $V$ at Qustul (cont.)

| Tomb $\quad$ Description and Contents | Cairo | OIM | FigurelPlate |
| :--- | :--- | :--- | :--- | :--- |



Figure 127. Plan and Section of Tomb V 61. Scale 1:40
VF 61 (cont.)
Burials (cont.):
b. In W chamber: ${ }^{35}$
B. -
C. -
D. -
c. In E chamber ( N to S ):
E. W/-
F. W/- (face down or dist.)/-
G. W/B/-

Bodies:
A. -
B. -
C. -
D. -
E. -
F. -
G. -
35. At least three burials, thoroughly disturbed.

Table 21. Register of Finds in Cemetery V at Qustul (cont.)

| Tomb | Description and Contents | Cairo | OlM | Figure/Plate |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |

VF 62
Shaft: $1.95 \times 0.42-0.50 \times 1.00 \mathrm{~m}$
Burial: -
Body: -
Object: -


Figure 128. Plan and Section of Tomb V 63. Scale 1:40

Shaft: rect., $1.90 \times 0.45-0.60 \times 1.30 \mathrm{~m}$
Burial: W/L/ex./pubis (coffin)
Body: adult-mature male
Objects:

1. Ivory bracelet, $10.8 \times 0.7 \mathrm{~cm}$ (thickness)

Q2083, 89862
2. Coffin remains

Table 21. Register of Finds in Cemetery V at Qustul (cont.)

| Tomb | Description and Contents | Cairo | OIM | FigurelPlate |
| :--- | :--- | :--- | :--- | :--- | :--- |



Figure 129. Object from Tomb V 64: No. 1. Scale 2:5

## VF 64

Shaft: elongate-oval, over $2.00 \times 0.65-0.90 \times 0.60 \mathrm{~m}$
Burial: W/B/ex./pubis (face N , in coffin)
Body: -
Objects:

1. Jar CJ—lc $\quad 21823$ fig. 129
2. Coffin remains

- 

V 65
Shaft: see Williams 1989
Burial: -
Object:

1. Beads

Table 21. Register of Finds in Cemetery V at Qustul (cont.)
Tomb Description and Contents $\quad$ Cairo $\quad$ OIM FigurelPlate


Figure 130. Plan of Tomb V 66. Scale 1:40

V 66
Shaft: rect., $2.35 \times 0.60-0.65(+3-5 \mathrm{~cm}$ undercut $) \times 0.90 \mathrm{~m}$
Burial: W/R/ex./pubis (coffin)
Body: mature female
Objects:

| 1. Jar CJ—5aiii, red ct. | 22301 | fig. 131b |
| :--- | :--- | :--- |
| 2. Jar CJ—5avi, red ct. | 22305 | fig. 131d |
| 3. Jar CJ-5aiii, red ct. | 22297 | fig. 131c, pl. 15d |
| 4. Scaraboid, bl. gz. st., hpr flanked by 2 ankh signs, other signs | 21832 | fig. 14j |
| 5. Scarab, dk. gn. gz. st., signs over $n b$ | 21833 | fig. 14k |
| 6. Bowl CB—ld, red slip, bur. | 21845 | fig. 131a |
|  |  | fig.132a |

Shaft: rect. with bulged sides, $1.74 \times 0.50-0.60 \times 0.70 \mathrm{~m}$
Burial: W/R/ex.-slightly bent/sides (coffin)
Body: infant II, female Objects:

1. Coffin remains, $0.82 \times 0.33 \mathrm{~m}$
2. Ivory bracelets, 2 plain, 3 with red painted radial lines a. 2 (on R arm )
b. 3 (on Larm)
3. Beads (near chest)
4. Amulets, fish, 3 car. and 1 bl . gl. 21888 pl . 49 i
5. Amulet, fish, car.

Disc.

21892
fig. 130
fig. 132a
fig. 132b
Q2139, 89893
.
pl. 49j


Figure 131. Objects from Tomb V 66: (a) No. 6, (b) No. 1, (c) No. 3, (d) No. 2. Scale 2:5


Figure 132. Plans, Section, and Objects from Tombs V 69 and V 71 : (a) Plan (V 69), (b) No. 2 (V 69), (c) Plan and Section (V71), (d) No. 6 (V 71). Scales ( $a$ ) and (c) 1:40 and (b) and (d) 1:2


Figure 133. Objects from Tomb V 71 (cont.): (a) No. 1, (b) No. 7, (c) No. 3, (d) No. 4, (e) No. 5. Scale 2:5

Table 21. Register of Finds in Cemetery V at Qustul (cont.)

| Tomb | Description and Contents Cairo | OIM | Figure/Plate |
| :---: | :---: | :---: | :---: |
| VB 71 |  |  | fig. 132c |
| Shaft with chamber on the E end, denuded |  |  |  |
| Shaft: $1.75-2.05 \times 0.50-0.75 \times 0.70-0.85 \mathrm{~m}$ |  |  |  |
| Blocking: 4 courses of cb., $0.36 \times 0.07 \times 0.10 \mathrm{~m}$ |  |  |  |
| Burials: |  |  |  |
| a. In shaft: |  |  |  |
| A. W/B/ex./pubis (coffin) |  |  |  |
| b. In chamber: |  |  |  |
| B. W/B/ex./pubis (coffin) |  |  |  |
| Bodies: |  |  |  |
| A. Mature? male |  |  |  |
| B. Senile female |  |  |  |
| Objects: |  |  |  |
| a. In shaft: |  |  |  |
|  | Jar CJ-5aiii, pk. ct. | 22319 | fig. 133a, pl. 15b |
|  | . Coffin remains (burial A?) | Disc. |  |
| b. In chamber: |  |  |  |
| 5YR 4/6, 5YR 6/6, 2.5YR 4/0 |  |  |  |
|  | Jar CJ-8ci | 21797 | figs. 6i, 133d |
|  | Jar CJ-5aiii, red ct. | 22317 | fig. 133e |
|  | Kohl jar II-B5 | 21831 | fig. 132d, pl. 390 |
|  | . Bowl CB-lc, red bur. int. ct. (in coffin) | 22211 | fig. 133b |
|  | . Scarab, dk. gr. gz. st., L.E. plant (?) between $n h$ signs (fingers, R hand) | 21827 | fig. 141 |
|  | . Oval cowroid, bl. gz. st., linked S-scrolls (fingers, L hand) | 21828 | fig. 14 m |
| $w$ $\boldsymbol{d}$ digns at ends, unc. motif in center (pelvis) |  |  |  |
|  | . Scarab, dk. bl./gn. st., V-scrolls, lotus above (pelvis) | 21830 | fig. 140 |
|  | Coffin remains, burial B | Disc. |  |
| VF 72B |  |  | fig. 134a |
| Shaft with multiple chambers at the E end, chamber B adjoins V 73 |  |  |  |
| Shaft: $2.27 \times 0.70-0.90 \times 2.30 \mathrm{~m}$ |  |  |  |
| Blocking: hor. slabs at ca. -1.00 m |  |  |  |
| Chamber A: $2.35 \times 1.35-1.50 \times 1.05 \mathrm{~m}$ |  |  |  |
| Doorway: $0.25 \times 0.80 \times 1.14 \mathrm{~m}$ |  |  |  |
| Beginning of additional chamber in SW comer: $0.30 \times 0.65 \times 0.70 \mathrm{~m}$ |  |  |  |
| Chamber B, in NE comer: $2.25-2.60 \times 1.15-1.25 \times 0.67 \mathrm{~m}$ |  |  |  |
| Doorway: 0.80 (W jamb only) $\times 0.25 \mathrm{~m}$ |  |  |  |
| Burials: |  |  |  |
|  | haft at -1.27 m : <br> W/B/ex./pubis (coffin) |  |  |



Figure 134. Plan and Objects from Tomb V 72B: (a) Plan, (b) No. 8, (c) No. 15, (d) No. 33, (e) No. 16, ( $f$ ) No. 22. Scale 1:2 except (a) 1:40

Table 21. Register of Finds in Cemetery V at Qustul (cont.)

| Tomb | Description and Contents | Cairo | OIM | FigurelPlate |
| :---: | :---: | :---: | :---: | :---: |
| VF 72B (cont.) |  |  |  |  |
| Burials (cont.): |  |  |  |  |
| b. In chamber A , to N : |  |  |  |  |
| B. $\mathrm{E} /$ - (coffin, above burial C) |  |  |  |  |
| C. E/- (coffin) |  |  |  |  |
| D. W/L/ex.-slightly bent/sides? (coffin) |  |  |  |  |
| c. Chamber B, to S: |  |  |  |  |
| E. S/L/ex./- (coffin) |  |  |  |  |
| F. N/B/ex./pubis (coffin) |  |  |  |  |
| Bodies: |  |  |  |  |
| A. Mature male |  |  |  |  |
| B. - |  |  |  |  |
| C. Adult-mature female |  |  |  |  |
| D. Mature-senile female |  |  |  |  |
| E. Mature-senile female |  |  |  |  |
| F. Senile female |  |  |  |  |
| Objects: |  |  |  |  |
| a. In shaft with burial A: |  |  |  |  |
|  | 1. Bowl CB-3aii, red ct. int. hor. bur. |  | 21902 | fig. 135b |
|  | 2. Lid LI-3, wide and short |  | 21903 | fig. 135c |
|  | 3. Bowl CB—1d, hor. bur. red int. ct., $26.5 \times 7.2 \mathrm{~cm}$ |  | 21908 |  |
|  | 4. Razor, $15.5 \times 5.5 \mathrm{~cm}$ |  | 21998 |  |
|  | 5. Coffin (burial A) |  | Disc. |  |
| b. In chamber $A$ with burials B-C |  |  |  |  |
|  | 6. Coffin (burials B-C?) |  | Disc. |  |
|  | 7. Jar CJ—1a |  | 21907 | fig. 135e |
|  | 8. Kohl jar 11-B3a |  | 21989 | fig. 134b, pl. 39p |
| c. With burial D: |  |  |  |  |
|  | 9. Jar II-PJ--2ciii, slight bur.; Lid LI-2?, broken, red ct. |  | 21904 | fig. 136e (jar only |
|  | 10. Jar II-PJ-2ciii |  | 21905 | fig. 136g |
|  | 11. Bowl $\mathrm{CB}-2 \mathrm{~b}$, int. hor. bur. partial red ct. |  | 22209 | fig. 136c, pl. 12c |
|  | 12. Bowl CB-ld, int. hor. bur. partial red ct. |  | 21906 | fig. 136d |
|  | 13. Bowl CB-If, int. hor. bur. partial red ct. |  | 22200 | figs. 1j, 136a |
|  | 14. Jar PJ-2div alpha, hor. bur. red ct. |  | 22286 | figs. $8 \mathrm{~g}, 135 \mathrm{f}$ |
|  | 15. Kohl jar II-A4a, schist/slate (in coffin) |  | 21988 | fig. 134c, pl. 39u |
|  | 16. Stone vessel I |  | 21987 | fig. 134e, pl. 38a |
|  | 17. Scarab, bl. gz. st., pair of falcon-headed figures saluting, $n f r, r^{r}$, and $n b$ signs (under R femur) |  | 21996 | fig. 14p |
|  | 18. Coffin (burial D) |  | Disc. |  |
| d. In chamber $B$ with burial F : |  |  |  |  |
|  | 19. Jar II—PJ—2bi (at feet) |  | 21953 | fig. 137a |
|  | 20. Jar CJ-5aiii, red ct. (at head) |  | 22302 |  |

Table 21. Register of Finds in Cemetery V at Qustul (cont.)


Figure 135. Objects from Tomb V 72B (cont.): (a) No. 27, (b) No. 1, (c) No. 2, (d) No. 21, (e) No. 7, (f) No. 14, (g) No. 34. Scale 2:5

## VF 72B (cont.)

Objects (cont.):
d. In chamber $B$ with burial F (cont.):
21. C-Group bowl, 7.5YR 2/0 inside, 2.5YR 4/4 (on body) 21959
22. Mirror (in coffin)
23. Scarab, bl. gz. st., hpr-ki-1" (pelvis)
24. Coffin (burial F)
e. In chamber $B$ with burial E :
25. Jar II-PJ-2cv or vi (in chamber $A$ but with burial $E$ )
26. Jar CJ-3aii, smoothed (at head)
27. Bowl CB-5?, int. hor. bur. red ct. (at head)
28. Jar II-PJ-2ci, sherd lid (at head)
29. Jar IV-CJ—5aiii, gr.-wh. (at head)
30. Jar CJ-5aiii, red ct. (at head)
31. Jar CJ-5aiii, red ct. (at feet)
32. Jar with stopper (at feet)

21991
21995
Disc.

22282
21952
22229
21954
21955
22307
22315
fig. 135d, pl. 29a
fig. 134 f
fig. $14 q$
fig. 136b
fig. 137c
fig. 135a
fig. 136 f
fig. 137e, pl. 15e
fig. 137b
fig. 137d


Figure 136. Objects from Tomb V 72 B (cont.): (a) No. $13,(b)$ No. $25,(c)$ No. $11,(d)$ No. $12,(e)$ No. $9,(f)$ No. 28 , ( $g)$ No. $10 . S c a l e 2.5$


Figure 137. Objects from Tomb V 72B (cont.): (a) No. 19, (b) No. 30, (c) No. 26, (d) No. 31, (e) No. 29. Scale 2:5

Table 21. Register of Finds in Cemetery V at Qustul (cont.)

| Tomb | Description and Contents | Cairo | OIM | Figure/Plate |
| :---: | :---: | :---: | :---: | :---: |
| VF 72B (cont.) |  |  |  |  |
| Objects (cont.): |  |  |  |  |
| e. In chamber $B$ with burial E (com.): |  |  |  |  |
|  | 33. Stone jar VIA, with cord serpentine? |  | 21990 | fig. 134d, pl. 38b |
|  | 34. Jar PJ-1a, handmade, 5YR 7/4 |  | 21971 | figs. $7 \mathrm{~g}, 135 \mathrm{~g}$ |
|  | 35. Scarab, gn. gz. st., 'anra' type (pelvis) |  | 21992 | fig. 14 r |
|  | 36. Coffin, burial E |  | Disc. |  |
| f. In chamber fill: |  |  |  |  |
|  | 37. Scarab, bl. g7. st., diagonal crocodile with various signs |  | 21994 | fig. 15a |
|  | 38. Beads |  | 21999 |  |
| VF 73 |  |  |  | fig. 138a |
| Shaft with chamber at the W end |  |  |  |  |
| Shaft: $2.16 \times 0.65-0.85 \times 2.00 \mathrm{~m}$ |  |  |  |  |
| Chamber: $1.90 \times 1.00 \times$ ?, step to chamber 0.05 m |  |  |  |  |
| Blocking: bricks, 6 courses, ashlar, one angled break to chamber $B$ of V 72 in SW corner ${ }^{36}$ |  |  |  |  |
| Burials: |  |  |  |  |
| a. In shaft at -0.35 m , level I: |  |  |  |  |
| A. W/B/ex./sides, face N (coffin) |  |  |  |  |
| B. W/R/6/dist. ${ }^{37}$ |  |  |  |  |
| b. In shaft, below burial B, level II: |  |  |  |  |
| C. W/B/ex./pubis? |  |  |  |  |
| c. In shaft below burial C, level III, at -0.95 m : |  |  |  |  |
| D. W/B/ex./sides, face N (coffin) |  |  |  |  |
| e. In chamber: |  |  |  |  |
| E. W/B/ex./L side, R pubis, face N (coffin) |  |  |  |  |
| F. W/B/ex./side and pubis (coffin) |  |  |  |  |
| Bodies: |  |  |  |  |
| A. Mature-senile male |  |  |  |  |
| B. Adult-mature male |  |  |  |  |
| C. Mature'? male |  |  |  |  |
| D. - |  |  |  |  |
| E. Senile female |  |  |  |  |
| F. Senile male |  |  |  |  |
| Objects: |  |  |  |  |
| a. In level I: |  |  |  |  |
|  | 1. Coffin, burial A |  | Disc. |  |
|  | 2. Bowl |  | Disc. |  |

[^20]Table 21. Register of Finds in Cemetery V at Qustul (cont.)


Figure 138. Plans and Objects from Tomb V 73: $(a)$ Plans, $(b)$ No. $6,(c)$ No. 18. Scale $1: 2$ except (a) $1: 40$
3. Scarab, bl. gz. st. ib vase with plants (fingers of $R$ hand of burial $A$ )
b. In level III:
4. Coffin, burial D, anth?, $1.80 \times 0.37 \mathrm{~m}$
5. Jar II—PJ—3, very lt., with stopper
6. Kohl jar II—A2b, with stick
7. Jar $\mathrm{CJ}-7 \mathrm{c}$, lt. ct., gr.

21980
fig. 15b

Disc.
21867
21982
21868
figs. 80, 140a, pl. 19d
fig. 138b, pl. 39n
fig. 140 c


Figure 139. Objects from Tomb V 73 (cont.): (a) No. 8, (b) No. 16, (c) No. 15, (d) No. 9. Scale 2:5


Figure 140. Objects from Tomb V 73 (cont.): (a) No. 5, (b) No. 11, (c) No. 7, (d) Jar Not Attributed to Tomb (OIM 22299). Scale 2:5

## Table 21. Register of Finds in Cemetery V at Qustul (cont.)

| Tomb Descripion and Contents | Cairo | OIM | Figure/Plate |
| :---: | :---: | :---: | :---: |
| VF 73 (cont.) |  |  |  |
| Objects (comt.): |  |  |  |
| b. In level III (comt.): |  |  |  |
| 8. Jar II-PJ-2dvi |  | 21909 | fig. 139a |
| 9. Bowl CB-4av |  | 21869 | fig. 139d |
| 10. Bowl (under coffin) |  | Disc. |  |
| c. In chamber with burial E: |  |  |  |
| 11. Jar $\mathrm{CJ}-5 \mathrm{aiii}$ |  | 22298 | fig. 140b |
| 12. Jar |  | - |  |
| 13. Jar, dec. necked alt. VF 73-8 |  | - |  |
| 14. Coffin of burial E |  | Disc. |  |
| 15. Bowl CB-1d, hor. bur. int. red ct. |  | 22207 | fig. 139c |
| d. In chamber with burial F: |  |  |  |
| 16. Bowl CB-1d, hor. bur. int. red ct. |  | 22210 | fig. 139b |
| 17. Scarab, bl. gz. st., kneeling falcon-headed figure with branch (under neck) |  | 21981 | fig. 15c |
| 18. Kohl jar II-A4a |  | 21983 | fig. 138c |
| 19. Coffin of burial F |  | Disc. |  |
| e. Jar $\mathrm{CJ}-5 \mathrm{aviii}$, not attributed to tomb |  | 22299 | fig. 140d |



Figure 141. Plan of Tomb V 74. Scale 1:40


Figure 142. Object from Tomb V 74: No. 3. Scale 2:5

VF 74
Shaft: rect. with rounded corners, $1.45 \times 0.45-0.55 \times 0.80 \mathrm{~m}$
Burial: W/L/ex./L side, R pubis (coffin)
Body: infant I
Objects:

1. Coffin, $1.15 \times 0.28 \mathrm{~m}$ Disc.
2. Jar CJ—5aiii, red ct., $23.6 \times 12.3 \mathrm{~cm}$
3. Bowl CB-3bi, int. hor. bur. pk. ct.
4. Shells on string, $1.17 \times 1.04 \times 0.59 \mathrm{~cm}$ (around pelvis)
5. Beads; shells; and amulet, fly, bl. gz. st. (around neck)
fig. 141
pl. 10b

22310
21870
21836
21836
fig. 142

Table 21. Register of Finds in Cemetery V at Qustul (cont.)


Figure 143. Plan and Object from Tomb V 75: (a) Plan, (b) No. 5. Scales (a) 1:40 and (b) 1:2

VF 75
fig. 143a
Shaft: rect., $2.00 \times 0.65-0.70 \times 1.05 \mathrm{~m}$
Burial: W/L/ex./pubis (coffin)
Body: mature-senile female
Objects:

1. Coffin Disc.
2. Jar II—PJ—2diii alpha, bur., bk. 21871
3. Jar CJ-5aiii
4. Jar CJ— -5 aiii, red ct., $25.2 \times 13.4 \mathrm{~cm}$
5. Kohl jar Il—B2b

22296
22312
21852 fig. 143b

Shaft with two end chambers
Shaft: ? $\times 0.80-0.85 \times 3.55 \mathrm{~m}$
W chamber: $2.25-2.35 \times 2.20 \times 1.10$ at -3.55 m
Blocking: 1 course cb. on sand
E chamber: $2.50 \times 2.55 \times 1.00-1.10$ at -3.40 m
Burials:
a. In shaft, dist.:
A. -
B. -
C. -
b. In W burial chamber, dist.:

D-H. - ${ }^{38}$
c. In E burial chamber:
I. W/B/ex./- (coffin)
38. "Five disturbed skulls, bones."

Table 21. Register of Finds in Cemetery V at Qustul (cont.)


Bodies:
A. Senile male
B. -
C. -

D-H. -
I. Adult male
J. Senile female
K. Adult-senile male

Objects: ${ }^{39}$
a. In shaft:

| 1. Kohl jar II—B3a (with burial A) | 22042 | fig. $145 \mathrm{c}, \mathrm{pl} .39 \mathrm{~m}$ |
| :--- | :--- | :--- |
| 2. Mask, plaster, $9.0 \times 7.5 \mathrm{~cm}$ | 22074 | pl. 35 b |
| 3. Scarab, turq. gl., ankh sign | 22024 | fig. 15 d |

39. Unnumbered coffin fragments are illustrated on plate 35a.


Figure 145. Plan, Section, and Objects from Tomb V 76: (a) Plan and Section, (b) No. 11, (c) No. 1, (d) No. 25.
Scale 1:2 except (a) 1:40


Figure 146. Objects from Tomb V 76 (cont.): (a) No. 4, (b) No. 5, (c) No. 23, (d) No. 29, (e) No. 18. Scale $2: 5$


Figure 147. Objects from Tomb V 76 (comt.): (a) No. 21, (b) No. 7, (c) No. 24, (d) No. 30, (e) No. 31. Scale 2:5

REGISTER OF FINDS


Figure 148. Objects from Tomb V 76 (cont.): (a) No. 34, (b) No. 37, (c) No. 32, (d) No. 38, (e) No. 39, (f) No. 15 ,
(g) No. 40, (h) No. 17, (i) No. 16, ( $j$ ) No. 33. Scale 2:5

Table 21. Register of Finds in Cemetery V at Qustul (cont.)

| Tomb Description and Contents | Cairo OIM | FigurelPlate |
| :---: | :---: | :---: |
| VF 76 (cont.) |  |  |
| Objects (cont.): |  |  |
| a. In shaft (cont.): |  |  |
| 4. Jar PJ-2ciii or 2di, red ct. | 21910 | fig. 146a, pl. 18d |
| 5. Base ring I, IM-6 | Q2229, 89948 | figs. 10f, 146b, pl. 24a |
| 6. Bowl CB-lb or c, pk. int. ct., $15.5 \times 3.7 \mathrm{~cm}$ (fill) | 22185 |  |
| 7. Pilgrim bottle IM-7a, probably form-group II, but dark, with wh. inclusions (door fill) | 21972 | figs. $10 \mathrm{~g}, 147 \mathrm{~b}, \mathrm{pl} .24 \mathrm{c}$ |
| b. From W chamber: |  |  |
| 8. Frags. of coffin with writing | - |  |
| 9. Mask, plaster | 22072 | pl. 35c |
| 10. Scarab, bl. fa., nfr or $\operatorname{sms}$ | 21993 | fig. 15 f |
| 11. Kohl jar II-A5/6, grey hard stone, granite? | 22041 | fig. 145b, pl. 39 t |
| 12. Kohl tube of wood, shaped as $t s$, with ivory lid, wood peg and copper stick securing lid, badly deteriorated, $6.8 \times 3.5 \mathrm{~cm}$ | 22070 |  |
| 13. Bowl, large | - |  |
| 14. Bowl CB-1b, pk. int. ct., $14.7 \times 4.0 \mathrm{~cm}$ | 22202 |  |
| 15. Bowl CB-1d, $24.0 \times 5.7 \mathrm{~cm}$ | 22216 | fig. 148f |
| 16. Bowl CB-ld, int. pk. ct. | 22217 | fig. 148i |
| 17. Stand ST-3a, bur. red ct. | 21958 | figs. 100, 148h |
| 18. Jar CJ-5axi, red ct. | 21956 | figs. $4 \mathrm{~g}, 146 \mathrm{e}$ |
| 19. Beads and frag. of gold leaf | 22071 |  |
| c. E chamber with burial I: |  |  |
| 20. Mask (pelvis) | - |  |
| 21. Jar II-PJ-4, dec. red and bk. | 22009 | figs. 8p, 147a, pl. 19b |
| 22. Bowl CB-4aii, pk. rim band, $17.5 \times 6.4 \mathrm{~cm}$ (at feet) | 22259 |  |
| 23. Jar II-PJ—2ciii, bk. pt., stone stopper (at feet) | 22006 | fig. 146c, pl. 18a |
| 24. Jar II-PJ-3, with lid, red and bk. pt. | 22007 | fig. 147c, pl. 19c |
| 25. Copper/bronze cyl. object, hollow, handle? | 22069 | fig. 145 d |
| 26. Coffin remains (burial I?) | Disc. |  |
| d. In E chamber with burial J: |  |  |
| 27. Coffin remains, burial J | Disc. |  |
| 28. Scarab, st., Zm 3 -T3.n'y with linear dec. (pelvis) | Q2260, 89909 | fig. 15 e |
| 29. Jar II—PJ—5b, bk. dec. | 22004 | figs. 9b, 146d, pl. 20c |
| 30. Jar II-PJ-4, red and bk. pt. | 22005 | fig. 147d, pl. 19a |
| 31. Jar II-PJ-4, red and bk. pt. | 22008 | fig. 147e, pl. 19e |
| 32. Bowl, UA-3 | 22274 | fig. 148c, pl. 11a |
| 33. Bowl CB-ld, hor. int. bur. red ct. | 22270 | fig. 148j |
| 34. Bowl CB-lb, pk. int. | 22261 | fig. 148a |
| e. E chamber with burial K : |  |  |
| 35. Coffin with plaster mask, burial K | 22073 |  |

Table 21. Register of Finds in Cemetery V at Qustul (cont.)

| Tomb | Description and Contents | Cairo | OIM | Figure/Plate |
| :--- | :--- | :--- | :--- | :--- | :--- |

VF 76 (cont.)
Objects (cont.):
e. E chamber with burial K (cont.):
36. Bowl CB—lc, pk. rim, $18.5 \times 4.7 \mathrm{~cm}$ (pelvis) 22255
37. Bowl CB-4aiii, pk. rim band 22260
fig. 148 b
38. Bowl CB-3ai, pk. rim band (at feet)
$22254^{40}$
fig. 148d
39. Bowl CB—1c, pk. rim band 22052 fig. 148e
f. E chamber, unc. loc.:
40. Bowl CB—1d, hor. int. bur. red ct. 22271 fig. 148g
g. W chamber, unc. loc.:
41. Cowroid, bi-parabolic, bl. gz. st.

22023 fig. 15 g
Hathor symbol/sistrum, pendant uraei

VF 77
Shaft with chamber on the southern side
Shaft: $2.27 \times 0.45-0.50 \times 0.80$ ? m
Chamber: $2.27 \times 0.85-1.05$, floor at -0.80 m
Blocking: large stone slab, $1.45 \times 0.37 \mathrm{~m}$, and cb . set perpendicularly
Burial: W/B/ex./pubis, head turned to $S$
Body: mature female
Object:

1. Two ptd. A-Group sherds from shaft

Disc.


Figure 149. Plan of Tomb V 79. Scale 1:40

VF 79
Shaft: rect. with rounded ends, $2.00 \times 0.60-0.70 \times 0.35 \mathrm{~m}$
Niche in $S W$ side: $0.35 \times 0.30 \mathrm{~m}$
Burial: W/R/ex.-slightly bent/dist. (coffin)

[^21]Table 21. Register of Finds in Cemetery V at Qustul (cont.)
Tomb Description and Contents $\quad$ Cairo $\quad$ OIM $\quad$ FigurelPlate

VF 79 (cont.)
Body: mature female
Objects:

1. Coffin remains
2. Scarab, bl. gz. st., branch

Disc.


Figure 150. Plans and Objects from Tomb V 81: (a) Plans, (b) No. 22, (c) No. 3. Scale 1:2 except (a) 1:40

## VF 81

fig. 150a
Shaft with chamber at the E end ${ }^{41}$
Shaft: $2.35 \times 0.60 \times 0.95-1.30 \mathrm{~m}$
Chamber: $2.20 \times 2.35 \times 1.30 \mathrm{~m}$
Blocking: stone

## Burials:

a. In shaft at -0.55 m :
A. W/L/ex.-slightly bent/pubis (coffin)
b. In shaft below burial A:
B. W/L/ex./sides dist. (coffin)
41. Shaft collapsed; burial $A$ is a New Kingdom sand grave at the upper end.


Figure 151. Objects from Tomb V 81 (cont.): (a) No. 19, (b) No. 15, (c) No. 18, (d) No. 1, (e) No. 6, (f) No. 9. Scale $2: 5$


Figure 152. Objects from Tomb V81 (cont.): (a) No. 5, (b) No. 24, (c) No. 23. Scale 2:5

Table 21. Register of Finds in Cemetery V at Qustul (cont.)

| Tomb | Description and Contents | Cairo | OIM | Figure/Plate |
| :---: | :---: | :---: | :---: | :---: |
| VF 81 (cont.) |  |  |  |  |
| Burials (cont.): |  |  |  |  |
| c. In chamber, head-ends on stone: |  |  |  |  |
| C. W/B/ex./pubis, to N (coffin) |  |  |  |  |
| D. W/B/ex./pubis, to S (coffin) |  |  |  |  |
| Bodies: |  |  |  |  |
| A. Mature male |  |  |  |  |
| B. - |  |  |  |  |
| C. Mature male |  |  |  |  |
| D. Mature male |  |  |  |  |
| Objects: |  |  |  |  |
| a. Above burial A: |  |  |  |  |
|  | 1. Bowl CB-le, int. hor. bur. red ct. band ext. |  | 22208 | fig. 151 d |
|  | 2. Jar |  | - |  |
|  | 3. Kohl jar II—B4b |  | 21985 | fig. 150c |
| b. With burial A: |  |  |  |  |
|  | 4. Scarab, fa., $n b($ ? $) k 3 r^{\prime}$ (finger) | Q2243, 8 |  | fig. 15 i |
|  | 5. Jar CJ-5ai, red ct. |  | 22316 | figs. 3h, 152a |
|  | 6. Bowl CB-7b, hor. bur. red ct. above and int. |  | 21960 | fig. 151e, pl. 13c |
|  | 7. Jar |  | - |  |
|  | 8. Bowl, warped (in VF 81-7) |  | Disc. |  |
|  | 9. Bowl CB-Id, smoothed |  | 22233 | fig. 151f, pl. 12b |
|  | 10. Bowl CB-3bi, hor. int. bur. pk. ct., $17.5 \times 5.5 \mathrm{~cm}$ (in VF 81-9) |  | 22198 |  |
|  | 11. Jar, "warped" |  | Disc. |  |
|  | 12. Jar, rim broken |  | Disc. |  |
|  | 13. Coffin remains, burial A? |  | Disc. |  |
| c. With burial B and below: |  |  |  |  |
|  | 14. Coffin remains, burial B |  | Disc. |  |
|  | 15. Bowl CB-2a, pk. ct. int. |  | 22230 | fig. 151b |
|  | 16. Jar |  | - |  |
|  | 17. Jar CJ-5ai, red ct., $27.1 \times 15.2 \mathrm{~cm}$ |  | 22308 |  |
|  | 18. Bowl CB-3bi, int. hor. bur., pk. ct. |  | 22203 | fig. 151c, pl. 13a |
|  | 19. Jar PJ-2dviii, incomplete |  | 21979 | figs. $8 \mathrm{~m}, 151 \mathrm{a}$ |
| d. In chamber: |  |  |  |  |
|  | 20. Coffin remains, burial C |  | Disc. |  |
|  | 21. Coffin remains, burial D |  | Disc. |  |
|  | 22. Alabaster jar III (in coffin of burial C) |  | 21986 | fig. 150b, pl. 39b |
| e. In shaft, unc. loc. (possibly 2, 11, or 12): |  |  |  |  |
|  | 23. Jar $\mathrm{CJ}-1 \mathrm{c}$ |  | 22346 | fig. 152c |
| f. In shaft fill: |  |  |  |  |
|  | 24. Jar CJ-5aii, red ct. |  | 22300 | fig. 152b |



Figure 153. Objects from Tomb V 82: (a) No. 2, (b) No. 7, (c) No. 5, (d) No. 3. Scale 2:5

Table 21. Register of Finds in Cemetery V at Qustul (cont.)


Table 21. Register of Finds in Cemetery V at Qustul (cont.)


Figure 154. Plans and Objects from Tomb V 83: $(a)$ Plans, $(b)$ No. 17, (c) No. 11. Scale 1:2 except (a) 1:40
VF 83 (cont.)
Objects:
a. In shaft with burial A:

1. Coffin, $1.62 \times ? \mathrm{~m}$

Disc.
b. In shaft with burial B:
2. Coffin, $1.80 \times 0.40 \mathrm{~m}$

Disc.
3. Jar (head end)

22335
4. Bowl CB-ld, hor. bur. red int. ct.

22273
fig. 156a
5. Jar CJ—5aiii
6. Jar CJ-5aiii

22322
22323
fig. 156e
fig. 156c
7. Jar CJ—5aiii, $26.5 \times 13.2 \mathrm{~cm}$

22304
8. Jar PJ-5a, dec. (in coffin)
9. Jar PJ—2div beta, red ct., hor. bur.
10. Scarab, bl. gz. st., ntr nfr nb $\left.h p r[w] m 3^{\prime} t-k\right\}-r^{c}$
$22010^{42}$
fig. 156d
22003 (?) fig. 156b
11. Kohl jar II-A2a (under pelvis)

22040 fig. 154c, pl. 39k

[^22]

Figure 155. Objects from Tomb V83 (cont.): (a) No. 6, (b) No. 13, (c) No. 12. Scale $2: 5$


Figure 156. Objects from Tomb V 83 (cont.): (a) No. 3, (b) No. 9, (c) No. 5, (d) No. 8, (e) No. 4, (f) No. 14. Scale $2: 5$ except (a) 1:5

Table 21. Register of Finds in Cemetery V at Qustul (cont.)

| Tomb | Description and Contents | Cairo | OIM | FigurelPlate |
| :--- | :--- | :--- | :--- | :--- |

VF 83 (cont.)
Objects (cont.):
c. In chamber:
12. Jar CJ—7c 22053 fig. 155c
13. Jar CJ—7a 22054 figs. 6a, 155b
14. Bowl CB-le, ct.?
15. Coffin, burial C, $1.96 \times 0.43 \mathrm{~m}$

22062 fig. 156f
16. Coffin, burial D, $2.00 \times 0.44 \mathrm{~m}$

Disc.
17. Kill jir A (w) 22064
18. "Vessel stopper," dia. 7.2 cm (with burial C) 22065
19. Scaraboid/bi-parabolic cowroid, gn. gz. st., Tilapia fish 22063 with lotus plants in mouth (with burial D)
d. Unc. loc.:
20. Jar? above burial A



Figure 157. Plans of Tomb V 84. Scale 1:40
VG 84 (Possibly Christian)
fig. 157
Shaft: irreg. pit, $1.40 \times 1.10 \times 0.76 \mathrm{~m}$
Burial: SW/L/2/pubis
Body: juvenile female


Figure 158. Plans of Tomb V 85. Scale 1:40
VG 85 (Possibly Christian)
fig. 158
Shaft: A-Group circular pit, $1.44 \times 1.42 \times 0.41 \mathrm{~m}$ recut at
N end to accommodate extended burial
Burial: W/B/ex./sides
Body: juvenile female

Table 21. Register of Finds in Cemetery V at Qustul (cont.)

| Tomb | Description and Contents | Cairo | OIM | FigurelPlate |
| :---: | :---: | :---: | :---: | :---: |
| VG 92 |  |  |  | fig. 159 |
| Shaft with chamber at the E end |  |  |  |  |
| Shaft: ca. $2.00 \times 0.75 \times 1.90 \mathrm{~m}$ |  |  |  |  |
| Chamber: at angle, $2.10 \times 2.75 \times 0.90 \mathrm{~m}$, threshold 0.05 m |  |  |  |  |
| Doorway: 0.31 wide |  |  |  |  |
| Blocking: cb., $0.11 \times 0.17 \times 0.35 \mathrm{~m}$, irreg. |  |  |  |  |
| Burials: |  |  |  |  |
| a. In shaft: |  |  |  |  |
| A. $\mathrm{E} / \mathrm{B} /$ - face N |  |  |  |  |
| b. In chamber, level I: |  |  |  |  |
| B. W/B/ex./pubis |  |  |  |  |
| C. W/B/ex./dist. |  |  |  |  |
| D-F. ${ }^{44}$ |  |  |  |  |
| c. In chamber, level II: |  |  |  |  |
| G. W/B/ex./sides ( N burial) |  |  |  |  |
| Bodies: |  |  |  |  |
| A. Adult male |  |  |  |  |
| B. Senile male |  |  |  |  |
| C. - |  |  |  |  |
| D-F. - |  |  |  |  |
| G. Adult male |  |  |  |  |
| H. Adult female |  |  |  |  |
| Objects: |  |  |  |  |
| a. Level I: |  |  |  |  |
|  | 1. Scarab, bl. gz. st., various signs in symmetrical combination |  | 22103 | fig. 15 m |
| b. Level II: |  |  |  |  |
|  | 2. Jar PJ-2dii, lt. ct., fired orange above, pottery as VG 92-11 | 22094 | fig. 160e |  |
|  | 3. Bowl UA-2 |  | 22269 | fig. 160 d |
|  | 4. Bowl CB-3bi, hor. int. bur. red ct. |  | 22095 | fig. 160 g |
|  | 5. Bowl CB-3biii, hor. int. bur. red ct. |  | 22257 | fig. 160a |
|  | 6. Bowl CB-7a, bur. int. red ct., ext. above |  | 22096 | fig. 160h |
|  | 7. Bowl CB-ih, red ct. smoothed |  | 22256 | fig. 160f |
|  | 8. Jar PJ-2civ, red ct. hor. bur. |  | 22097 | fig. 160b |
|  | 9. Kohl jar II-A3a, alabaster |  | 22102 | fig. 159c |
|  | 10. Scarab, st., falcon head, other signs (pelvis) |  | 22104 | fig. $15 n$ |
|  | 11. Jar PJ-2di, wh. ct., bk. pt. (under R arm) |  | 22098 | figs. $8 \mathrm{c}, 160 \mathrm{c}$ |
|  | 12. Kohl jar II-B2b (under head, S ) |  | 22101 | fig. 159b |

[^23]

Figure 159. Plans and Objects from Tomb V 92: (a) Plans, (b) No. 12, (c) No. 9. Scale 1:2 except (a) 1:40


Figure 160. Objects from Tomb V 92 (cont.): (a) No. 5, (b) No. 8, (c) No. 11 , (d) No. 3, (e) No. 2 , (f) No. 7, (g) No. 4, (h) No. 6. Scale 2:5

Table 21. Register of Finds in Cemetery V at Qustul (cont.)

Tomb $\quad$ Description and Contents $\quad$ Cairo $\quad$ OIM | FigurelPlate |
| :--- | :--- | :--- | :--- |

VG 93
Shaft with chamber at the E end
Shaft: rect., more than $2.00 \times 0.70 \times 1.35 \mathrm{~m}$
Chamber: $2.35-2.40 \times ? \times 1.15 \mathrm{~m}$
Blocking: cb., headers, one course, part of one course, stretchers
Cairo
OIM
Figure/Plate
fig. 161a


Figure 161. Plans and Objects from Tomb V 93: (a) Plans, (b) No. 9, (c) No. 6. Scale 1:2 except (a) 1:40

Burials:
a. In shaft at ca. -0.95 m , level I:
A. W/B/ex./sides, face $S$ (coffin)
b. In shaft, level II:
B. W/R/2/dist.
c. In shaft, on gebel, level III: ${ }^{45}$
C. W/B/ex./- (coffin)
45. Possibly additional remains in shaft below coffin.


Figure 162. Objects from Tomb V 93 (cont.): (a) No. 11, (b) No. 13, (c) No. 2, (d) No. 18. (e) No. 19, (f) No. 17. Scale $2: 5$

Table 21. Register of Finds in Cemetery V at Qustul (cont.)
Tomb Description and Contents $\quad$ Cairo $\quad$ OIM $\quad$ FigurelPlate


Figure 163. Objects from Tomb V 93 (cont.): (a) No. 12, (b) No. 1, (c) No. 14. Scale 2:5

## VG 93 (cont.)

Burials (cont.):
d. In chamber: ${ }^{46}$
D. -
E. -

[^24]Table 21. Register of Finds in Cemetery $V$ at Qustul (cont.)

| Tomb | Description and Contents | Cairo | OIM | Figure/Plate |
| :--- | :--- | :--- | :--- | :--- |
| VG 93 (cont.) |  |  |  |  |
| Bodies: |  |  |  |  |
| A. Adult-senile male |  |  |  |  |
| B. Adult male |  |  |  |  |
| C. - |  |  |  |  |
| D. Adult male |  |  |  |  |
| E. Adult |  |  |  |  |

Objects:
a. With level I:

1. Jar UJ-2c, slightly smoothed 22355 fig. 163b
2. Bowl CB—lc, pk. rim band 22127 fig. 162c
3. Bowl
4. Coffin remains (burial A?)

Disc.
With level II: ${ }^{47}$
5. Jar PJ—2dii, dk. red bur. ct., $10.2 \times 8.4 \mathrm{~cm} 22100$
6. Kohl jar, bk. and wh. hard stone, serpentine (under slab) 22164
fig. $16 \mathrm{lc}, \mathrm{pl}$. 39 s
c. Shaft, fill:
7. Scarab, schist, sphinx atop serpent, enemy and vessel $\quad$ Q2361, $89914 \quad$ fig. 15p, pl. 48b
below, feather to left, other signs above
d. Shaft, level III:
8. Coffin remains, burial C Disc.
9. Kohl jar II-B, unc. (in coffin at head end)

22165
10. Part of whetstone or palette, $2.9 \times 1.0 \mathrm{~cm}$
11. Jar PJ-2dvii, gr.-bk. bur.
12. Bowl UA-1b (on debris and coffin edge)
13. Jar II-PJ—2ciii-iv
e. In chamber:
14. Miniature amphora MA-2a, 4 handles (SW corner)
15. Jar, large
16. Skeleton of rodent
17. Bowl CB-3aiii, red ct., smoothed (inside NW corner)
18. Bowl CB-2b, hor. int. bur. pk. ct. (NE corner)

22163
$22099^{48}$ figs. 81, 162a
22275(?) figs. 1b, 163a
22082 fig. 162b
19. Bowl CB—ld, hor. bur. int. red ct. (E side beside VG 93-18)

22084
-
22166
$22085^{49}$ fig. 162 f
22272 fig. 162d
$22083^{50}$ fig. 162 e

[^25]Table 21. Register of Finds in Cemetery V at Qustul (cont.)

| Tomb $\quad$ Description and Contents | Cairo | OIM | Figure/Plate |
| :--- | :---: | :---: | :---: |
| VG 94 |  | fig. 164 |  |
| Shaft with chamber at the W end |  |  |  |
| Shaft: $2.30 \times 0.85-0.90 \times 2.50 \mathrm{~m}$ |  |  |  |
| Chamber: $2.65 \times$ up to $0.80 \times 0.90 \mathrm{~m}$, floor at -2.35 m, step up +0.15 m |  |  |  |
| Doorway: $0.40 \times ? \times 0.90 \mathrm{~m}$ |  |  |  |
| Blocking: cb., mud plastered, 10 courses |  |  |  |
| Burial: W/B/ex./L-e, R-b |  |  |  |
| Body: |  |  |  |



Table 21. Register of Finds in Cemetery V at Qustul (cont.)


Figure 165. Objects from Tomb V 94: (a) No. 3, (b) No. I, (c) No. 2. Scale 2:5

## VG 94 (cont.)

Objects:

1. Jar UJ-2b
2. Jar UJ-2b
3. Bowl CB-4aiii, det. pk. ct.

22358
22353
22253
fig. 165b
fig. 165 c
fig. 165a

VG 97
Shaft with end chambers
Shaft: $2.95 \times 0.75-0.80 \times$ ? (more than 2.0 m )
W chamber: $2.50-2.55 \times$ up to $3.10 \times 1.25 \mathrm{~m}$
Doorway: ca. $0.70 \times ? \mathrm{~m}$ (thickness of jambs unc.)
Blocking: 10 courses $c b$. and sand
E chamber: $2.45-2.50 \times 2.70 \times 1.45 \mathrm{~m}$


Figure 166. Objects from Tomb V97: (a) No. 14, (b) No. 13, (c) No. $10,(d)$ No. $9,(e)$ No. $12,(f)$ No. $4,(g)$ No. 7. Scale $2: 5$

Table 21. Register of Finds in Cemetery V at Qustul (cont.)

| Tomb Description and Contents | Cairo | OIM | Figure/Plate |
| :---: | :---: | :---: | :---: |
| VG 97 (cont.) |  |  |  |
| Doorway: $? \times 0.70 \mathrm{~m}$ |  |  |  |
| Blocking: 8 courses cb . and sand |  |  |  |
| Burials : |  |  |  |
| A. W/B/ex./pubis |  |  |  |
| B. W-SW/ex./pubis |  |  |  |
| C. - |  |  |  |
| Bodies: |  |  |  |
| A. Adult male |  |  |  |
| B. - |  |  |  |
| C. Juvenile female |  |  |  |
| Objects: |  |  |  |
| a. In shaft: |  |  |  |
| 1. X-Group lamp |  | 22121 |  |
| 2. X-Group cup |  | 22120 |  |
| b. In E chamber: |  |  |  |
| 3. Jar (at door) |  | Disc. ${ }^{51}$ |  |
| 4. Bowl CB-3bii, hor. int. bur. red ct. |  | 22252 | fig. 166f |
| 5. Bowl |  | Disc. |  |
| 6. Jar (at feet of burial A) |  | Disc. |  |
| 7. Jar CJ—11c, crude |  | 22126 | figs. 7f, 166g |
| c. W chamber: |  |  |  |
| 8. Bowl, fa., with fish dec. | Q2367, 89889 |  | pl. 50b |
| 9. Bowl CB-3ai |  | $22122^{52}$ | fig. 166d |
| 10. Bowl CB-3bii, hor. int. bur. red ct. |  | 22125 | fig. 166c |
| 11. Bowl |  | - |  |
| 12. Jar PJ-2dii, red ct. |  | 22124 | fig. 166e |
| 13. Jar II-PJ-2ciii, det. |  | 22288 | fig. 166b |
| 14. Bowl CB-3bi |  | 22251 | fig. 166a |
| 15. Plaque, fa., obv.: mn-hpr-r ${ }^{\text {c }}$, rev.: $i m n-r^{<} n b p[t]$ (?), |  | $22105 \mathrm{n} / \mathrm{a}$ | fig. 150 |
| flanked by $2 m s ' t$ feathers and $2 n b$ signs |  |  |  |
| VH 112 N.K. shaft, reused X-Group? |  |  |  |
| Shaft: $1.55 \times 0.73-1.00$ (undercut to S ) $\times 1.00 \mathrm{~m}$ |  |  |  |
| Burial: - |  |  |  |
| Body: adult female |  |  |  |
| Objects: |  |  |  |
| 1. Qadus, broken at rim |  | Disc. |  |
| 2. Sherd of qadus |  | Disc. |  |

[^26]Table 21. Register of Finds in Cemetery V at Qustul (cont.)


[^27]
a


Kohl Jar 11—A3b

Figure 167. Plans and Object from Tomb V 113: $(a)$ Plans, (b) No. 25. Scales (a) 1:40 and (b) 1:2

## REGISTER OF FINDS



Figure 168. Objects from Tomb V 113 (cont.): (a) No. 44, (b) No. 21, (c) No. 54, (d) No. 28 , (e) No. 16, (f) No. 27, ( $g$ ) No. 43, ( $h$ ) No. 23, (i) No. 18, ( $j$ ) No. 41. Scale 2:5


Figure 169. Objects from Tomb V 113 (cont.): (a) No. 32, (b) No. 53, (c) No. 50, (d) No. 51, (e) No. 14, ( $f$ ) No. 30 , (g) No. 45, (h) No. 38 , (i) No. 40 . Scale 2:5


Figure 170. Objects from Tomb V 113 (cont.): (a) No. 37, (b) No. 42, (c) No. 36, (d) No. 12,
(e) No. 13. Scale 2:5 except (b) and (c) 1:5


Figure 171. Objects from Tomb V 113 (cont.): (a) No. 11, (b) No. 52, (c) No. 46, (d) No. 29, (e) No. 31. Scale $2: 5$

Table 21. Register of Finds in Cemetery V at Qustul (cont.)

| Tomb | Description and Contents | Cairo | OIM | Figure/Plate |
| :---: | :---: | :---: | :---: | :---: |
| VH 113 (cont.) |  |  |  |  |
| Bodies (cont.): |  |  |  |  |
| G. Infant I |  |  |  |  |
| H. Mature male |  |  |  |  |
| I. Mature female |  |  |  |  |
| J. Mature female |  |  |  |  |
| K. Over 121 |  |  |  |  |
| L. Adult female |  |  |  |  |
| M. Adult female |  |  |  |  |
| N. Adult female |  |  |  |  |
| O. Mature male |  |  |  |  |
| P. Adult female |  |  |  |  |
| Q. Adult male |  |  |  |  |
| R. Adult female |  |  |  |  |
| Objects: |  |  |  |  |
| a. Levelli: |  |  |  |  |
|  | 1. Coffin remains, burial B |  | Disc. |  |
| b. Level III: |  |  |  |  |
|  | 2. Coffin remains, burial D |  | Disc. |  |
|  | 3. Coffin remains, burial E |  | Disc. |  |
|  | 4. Bowl |  | Disc. |  |
| c. Level IV: |  |  |  |  |
|  | 5. Coffin remains, burial F |  | Disc. |  |
|  | 6. Jar |  | Disc. |  |
|  | 7. Plaque, bl. gz. fa., obvi: falcon, protecting signs, rev.: imn-r ${ }^{\text {c }}$ |  | 23745 | fig. $15 q$ |
| d. Level V: |  |  |  |  |
|  | 8. Coffin remains, burial H |  | Disc. |  |
|  | 9. Coffin of burial I |  | Disc. |  |
| e. Level VI: |  |  |  |  |
|  | . Coffin remains, burial J |  | Disc. |  |
|  | 1. Jar II-PJ-5b, red ct. (at head) |  | 24847 | fig. 171a, pl. 20b |
|  | 2. Jar UJ-2c (near feet) |  | 23953 | fig. 170d |
|  | 3. Jar UJ-2c (near feet) |  | 23955 | fig. 170e |
|  | 4. Jar II-PJ—2dii (above feet) |  | 23806 | fig. 169e |
| f. On blocking of W chamber: |  |  |  |  |
|  | 5. Bowl (on blocking) |  | Sherds n/a |  |
|  | 6. Bowl CB-3bii, hor. int. bur. red ct. (on blocking) |  | 23809 | fig. 168e |
|  | 7. Bowl CB-3bi, hor. int. bur. red ct., $16.5 \times 6.0 \mathrm{~cm}$ (blocking fell on it) |  | 23821 |  |
|  | 8. Bowl CB-1c, hor. int. bur. partial red ct. |  | 23810 | fig. 168 i |
|  | 9. Jar, crude |  | Disc. |  |
|  | . Bowl (fill of shaft) |  | Disc. |  |

Table 21. Register of Finds in Cemetery V at Qustul (cont.)

| Tomb | Description and Contents | Cairo | OIM | Figure/Plate |
| :---: | :---: | :---: | :---: | :---: |
| VH 113 (cont.) |  |  |  |  |
| Objects (cont.): |  |  |  |  |
| g. From W chamber: |  |  |  |  |
|  | 21. Bowl CB-lc, red rim band int. ( N of door) |  | 23813 | fig. 168b |
|  | 22. Bowl (in VH 113-21) |  | Disc. |  |
|  | 23. Bowl CB-3ai, red rim band int. (in VH 113-22) |  | 23814 | fig. 168 h |
|  | 24. Jar II-PJ—?, wh., $12.0 \times 13.0 \mathrm{~cm}$ (in VH 113-23) |  | 23802 |  |
|  | 25. Kohl jar II—A3b |  | 23851 | fig. 167b |
|  | 26. Plaster frags., ptd., from unc. coffin? (W wall) |  | Samp. |  |
|  | 27. Bowl CB-lh, rim band (W wall) |  | 23818 | fig. 168 f |
|  | 28. Bowl CB-2b, red rim band inside ( W wall) |  | 23817 | fig. 168d |
|  | 29. Jar CJ-5aix, red ct. (W wall) |  | 23799 | fig. 171 d |
|  | 30. Jar II-PJ-5a, with lid, dec. (S wall) |  | 23801 | fig. 169 f |
|  | 31. Jar CJ-6bii (S of doorway) |  | 23798 | fig. 171e |
|  | 32. Jar PJ-2ciii, lt. ct., bk. pt. |  | 23804 | fig. 169a |
|  | 33. Bowl |  | Disc. |  |
|  | 34. Bowl, ring base vert. rim |  | Sherds |  |
| h. E burial chamber: |  |  |  |  |
|  | 35. Jar, large, gr. (near door) |  | Disc. |  |
|  | 36. Jar CJ-6bii, gr. (near door) |  | 23796 | figs. $5 \mathrm{i}, 170 \mathrm{c}$ |
|  | 37. Jar CJ-5aiii, red ct. |  | 23800 | fig. 170 a |
|  | 38. Jar II--CJ-10bi, N.K. fine vert. bur. |  | 23795 | figs. $6 \mathrm{k}, 169 \mathrm{~h}, \mathrm{pl}$. 17 b |
|  | 39. Bowl |  | Disc. |  |
|  | 40. Stand ST-2 |  | 23949 | fig. 169i |
|  | 41. Bowl CB-2c, int. bur. red ct. |  | 23816 | figs. $10,168 \mathrm{j}$ |
|  | 42. Jar CJ-5bii, fired red with grey int., whitewashed |  | 23797 | figs. 5c, 170b, pl. 28c |
|  | 43. Bowl CB-2b, hor. bur. int. red ct. |  | 23815 | fig. 168 g |
|  | 44. Bowl CB-lb, int. pk. ct., wh. rim |  | 23819 | fig. 168a |
|  | 45. Stand ST-2 |  | 24079 | fig. 169 g |
|  | 46. Jar ll-PJ-lb, wh. |  | 23808 | figs. 7h, 171c |
|  | 47. Bowl CB-3bi, hor. int. bur. red ct. |  | 23820 |  |
|  | 48. Bowl, red |  | Sherds |  |
|  | 49. Bowl, large |  | Sherds |  |
|  | 50. Jar II-PJ-2ciii, bk. pt. |  | 23803 | fig. 169c |
|  | 51. Juglet II-IM-4a, bichrome pt. |  | 23807 | figs. 10i, 169d |
|  | 52. Base ring I, IM-6 |  | 23812 | fig. 171b, pl. 24b |
|  | 53. Jar PJ—2div beta, red ct. |  | 23805 | fig. 169b |
|  | 54. Bowl CB-3bi, red ct., bur.? |  | 23811 | fig. 168c |
|  | 55. Bowl |  | Disc. |  |



Figure 172. Plans and Section of Tomb V 120. Scale 1:40

Table 21. Register of Finds in Cemetery V at Qustul (cont.)

| Tomb $\quad$ Description and Contents | Cairo | OIM | FigurelPlate |
| :--- | :--- | :--- | :--- |
| VH 120 |  | fig. 172 |  |
| Shaft with chamber at the W end |  |  |  |
| Shaft: $2.35 \times 1.00 \times 2.22 \mathrm{~m}$ |  |  |  |
| Chamber: $2.90 \times 1.70 \times 1.05 \mathrm{~m}$ |  |  |  |
| Blocking: one row of cb., 0.16 m |  |  |  |
| Burials: |  |  |  |
| a. In shaft, level I: |  |  |  |
| A. W/B/ex./pubis, face S (S burial, coffin) |  |  |  |
| B. W/B/-(coffin above burial C) |  |  |  |
| C. W/L/ex./pubis (beside and below burial B) |  |  |  |
| b. In shaft, level II: |  |  |  |
| D. W/L/ex./L-a, R-b (coffin) |  |  |  |

Bodies:
A. Mature female
B. Juvenile, female?
C. Adult female
D. Adult female

## Objects:

1. Coffin, burial A
2. Coffin, burials B-C
3. Coffin, burial D


Figure 173. Objects from Tomb V 120: (a) No. 4, (b) No. 6. Scale 2:5

Table 21. Register of Finds in Cemetery V at Qustul (cont.)

| Tomb $\quad$ Description and Contents | Cairo | OIM | FigurelPlate |
| :--- | :--- | :--- | :--- |
| VH 120 (cont.) |  |  |  |
| Objects (cont.): |  |  |  |
| 4. Bowl CB-3ai, red rim band in and out | 23960 | fig. 173a |  |
| 5. Jar UJ—2c, $25.5 \times 16.0 \mathrm{~cm}$ (S side) | 23954 |  |  |
| 6. Jar UJ—2c (N side) | 23956 | fig. 173b |  |
| 7. Bowl sherds, 4 | Disc. |  |  |
| 8. Bowl UA sherds | Disc. |  |  |

## C. CEMETERY K

A small cluster of graves to the west (river direction) of the C-Group Cemetery K was apparently a continuation of the Nubian burial ground, a probability supported by the fact that most were single burials. In addition to the cluster, two graves were found to the south of the Kerma tombs (K 50 and K 65 ) and one (K 64) was made among the C-Group burials (see Williams 1983: 18-21). The plan of Cemetery K was published in Williams 1983, pl. 3. New Kingdom tombs were excavated between December 29, 1963 and January 5, 1964.

Table 22. Register of Finds in Cemetery K at Adindan

| Tomb | Description and Contents | Cairo | OIM | Figure/Plate |
| :---: | :---: | :---: | :---: | :---: |
| K 1 |  |  |  |  |
| Shaft with side-chamber |  |  |  |  |
| Shaft: oval/trapezium, $2.10 \times 1.75 \times 1.20 \mathrm{~m}$ (bottom), 1.25 m wide at top |  |  |  |  |
| Burial: W/L pelvis, R side/slightly bent, in coffin |  |  |  |  |
| Body: adult ${ }^{54}$ |  |  |  |  |
| Objects in shaft: |  |  |  |  |
| a. At head of burial: |  |  |  |  |
|  | 1. Jar CJ-5avi |  | 22983 | fig. 174b |
|  | 2. Bowl CB-1d, hor. int. bur. int. red ct. |  | 22984 | fig. 174a |
| b. Near L hand: |  |  |  |  |
| by pair of Red Crowns |  |  |  |  |
| c. In chamber: |  |  |  |  |
|  | 4. Remains of coffin |  | - |  |

K 2
fig. 175
Shaft with side chamber:
Shaft: trapezium with two rounded corners, $2.40 \times 1.00 \times 0.75-1.00 \mathrm{~m}$
Chamber: trapezium with two rounded comers,
2.40 (max.) $\times 1.15$ (including blocking) $\times ? \mathrm{~m}$

Blocking: 4 courses of cb. laid ashlar, 0.31 m ,
$0.34 \times .017-0.18 \times 0.09 \mathrm{~m}$ on top, incomplete course on end 0.75 m

[^28]

Figure 174. Objects from Tomb K 1: (a) No. 2, (b) No. 1. Scale 2:5

Table 22. Register of Finds in Cemetery K at Adindan (cont.)

| Tomb | Description and Contents | Cairo | OIM | FigurelPlate |
| :--- | :--- | :--- | :--- | :--- | :--- |



Figure 175. Plan and Section of Tomb K 2. Scale 1:40

## K 2 (cont.)

Burials:
a. In coffin:
A. W/B/-/-
B. W/L/ex.-
b. Outside coffin:
C. N/B?/ex.?/-
c. Unc. loc., loose bones in chamber:
D. -

Bodies:
A. Adult female
B. Adult female

b


Figure 176. Objects from Tomb K 2: (a) No. 7, (b) No. 8, (c) No. 1, (d) No. 6, (e) No. 2. Scale 2:5

Table 22. Register of Finds in Cemetery K at Adindan (cont.)

| Tomb | Description and Contents | Cairo | OIM | FigurelPlate |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :--- |

K 2 (cont.)
Bodies (cont.):
C. Adult male
D. More than 2 years

Objects:
a. In shaft:

1. Jar CJ—5aiii, red ct. 22985 fig. 176 c
2. Jar IV-CJ—5aiii, greenish wh. 22986
fig. 176 e
3. Bowl CB—3bi, hor. int. bur. red ct., $17.2 \times 4.6 \mathrm{~cm} 22987$
b. On or near body of burial A:
4. Cowroid, car., hs vase, pair of nfr signs 22988
5. Scarab, bl. gz. st., $n b, r^{\prime}$, and falcon with flail? 22989
fig. 16b

Outside coffin to SW:
6. Jar CJ-5aiii 22994
fig. 176d
7. Bowl CB-3bi, hor. int. bur. red ct.

22995
fig. 176a
8. Bowl CB-3bii, hor. int. bur. red ct.

22996
fig. 176b
d. In chamber:
9. Coffin remains

K 5
Shaft with end chamber:
Shaft: rect. with rounded ends, $1.90 \times 1.00 \times 1.10 \mathrm{~m}$
Chamber: collapsed, $2.30 \times 1.97 \times ? \mathrm{~m}$ on N end of shaft
Burial: WNW/B/ex./pubis coffin
Body: senile male
Objects in chamber:

| 1. Jar UJ—3c | 22999 | fig. 177b |
| :--- | :--- | :--- |
| 2. Bowl CB—3bi, int. hor. bur. red ct. | 23000 | fig. 177 a |

3. Coffin remains

K 6
Shaft: rect., $1.95 \times 0.60 \times 0.65 \mathrm{~m}$
Burial: NW/N/ex./pubis? coffin
Body: adult female
Object:

1. Coffin remains

K 7
Shaft: rect., $1.92 \times 0.50 \times ? \mathrm{~m}$ shallow
Burial: N/B/ex./-
Body: adult male?
Objects: -

Table 22. Register of Finds in Cemetery K at Adindan (cont.)
Cairo


Figure 177. Objects from Tomb K 5: (a) No. 2, (b) No. 1. Scale 2:5
K 10
Shaft: rect. with rounded corners, $2.05 \times 0.85 \times 0.95 \mathrm{~m}$
Burials:
A. $\mathrm{N} / \mathrm{B} / \mathrm{ex} . /$ ? coffin
B. -
C. -

Bodies:
A. Adult female
B. Adult female
C. Adult male

Objects (vessels in coffin):

1. Jar PJ—2d?, hor. bur. red ct. 23001 fig. 179a
2. Kohl jar II-B4b

22990
fig. 178
3. Coffin remains

Table 22. Register of Finds in Cemetery K at Adindan (cont.)

| Tomb | Description and Contents | Cairo | OIM | Figure/Plate |
| :--- | :--- | :--- | :--- | :--- |



Kohl Jar II-B4b

Figure 178. Object from Tomb K 10: No. 2. Scale 1:2

a


Figure 179. Objects from Tombs K 10 and K 12: (a) No. 1 (K 10), (b) No. 1 (K 12). Scale $2: 5$

## K 11

Shaft with cb. lining, chamber begun but not finished ${ }^{55}$
Shaft: rect.
Burials: -
Objects: -
K 12
Shaft with side chamber
Shaft: rect. with rounded comers, $2.40 \times 0.70 \times 0.50 \mathrm{~m}$
Chamber: rect. with rounded corners, $2.40 \times 0.80 \times 0.80 \mathrm{~m}$
Blocking: remains of 3 courses of cb . and an upended stone
Burial: -
Object in shaft:

1. Jar II—PJ—2ciii, bk. pt. 23002 fig. 179b

K $18^{56}$
Objects:

1. Scarab, bl. gz. st., complex, Z-scroll border surrounding signs 23021 fig. 16d
2. Kohl jar II-B3a, schist/slate

22991 fig. 180
55. Special drawing sheet by Bickford.
56. No record sheet.

Table 22. Register of Finds in Cemetery K at Adindan (cont.)

| Tomb | Description and Contents | Cairo | OIM | FigurelPlate |
| :--- | :--- | :--- | :--- | :--- | :--- |



Kohl Jar II-B3a

Figure 180. Object from Tomb K 18:
No. 2. Scale 1:2



Figure 181. Objects from Tomb K 18: (a) No. 3, (b) No. 4. Scale 2:5

## K 18 (cont.)

Objects (cont.):
3. Jar CJ-5aiii, pk. ct.

23043
23042
23044
fig. 181a
fig. 181b

K 21
Shaft: rect. with rounded corners, $2.00 \times 0.58 \times 0.80 \mathrm{~m}$
Burial: -
Body: adult female

Table 22. Register of Finds in Cemetery K at Adindan (cont.)


## K 21 (cont.)

Objects in shaft:

1. Kohl jar Il—A4a, alabaster, with part of wooden stick

22992
fig. 182, pl. 39i
2. "Sherd of large bowl with wide rim"

## K 31

fig. 183a
Shaft with side chamber
Shaft: rect. with rounded corners, $2.80 \times 0.83 \times 1.40 \mathrm{~m}$
Chamber: rect. with rounded corners, $2.80 \times 1.10 \times ? \mathrm{~m}$ including blocking
Blocking: cb. or touf, some on sides and in chamber
Burial: - coffin
Body: -
Objects:
a. From coffin:

1. Coffin remains -
2. Jar CJ-5bi $\quad 23045$ fig. 184
3. Razor 23018
4. Kohl jar II—B I, with lid 22993
fig. 183d
5. Scarab, gn. gz. st., scroll with nfr signs

23004 n/a
6. Needle

23059 fig. 183c
7. Scarab, lt. bl. gz. st., Red Crown between 2 nb signs

23005
fig. 16e
8 . Fish seal, bl. gz. st., Red Crowns, $2.3 \times 1.7 \mathrm{~cm}$
23003 n/a
9. Scarab, bl. gz. st., fish seal with Red Crown and sign (tit ?)

23012 fig. 16f
10. Plaque, bl. gz. st., obv.: imn-htp, rev.: hm(.t)-ntr 'nh [nfit]-iry?

23013 fig. 16 g
11. Scarab, bl. gz. st., seated sphinx, $n b$ below, winged sun disc above

23014 fig. 16h
12. Scarab, bl. gz. st., $d s r-k 3-r^{r}$

23006 fig. 16i
13. Cowroid, bi-parabolic, bl. fa., confused signs, possibly Hathor head

23007
fig. 16 j
14. Scarab, bl. gz. st., scroll surrounding nfr and 'anra' signs?, $23015 \mathrm{n} / \mathrm{a}$
$2.1 \times 1.5 \mathrm{~cm}$
15. Scarab, bl. gz. st., 3 rows of signs 23017
fig. 16k
16. Scarab, dk. gn. bloodstone(?), undecorated

23016
fig. 161
b. Unc. loc.:
17. Beads and amulets, shell, 1 bl. fa. and 1 red stone

23060
fig. 17 mm

Table 22. Register of Finds in Cemetery K at Adindan (cont.)

| Tomb $\quad$ Description and Contents | Cairo | OIM | FigurelPlate |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |


a

d

Figure 183. Plans and Objects from Tomb K 31: (a) Plans, (b) No. 4, (c) No. 6, (d) No. 3. Scale 1:2 except (a) 1:40

## K 50

Shaft with floor access and side chambers
Outer shaft: broad rectangle, dim. n/a
Inner shaft: narrow rectangle, $1 / 3$ width of outer shaft
Chambers: rect., E-W in floor, each ca. $1 / 3$ shaft width
Blocking: above all chambers, stones laid across shaft,
fixed with mud, also below burial $\mathbf{C}$
Burials:
a. In chamber $A$ :
A. $N / R /$ ex./pubis coffin

Table 22. Register of Finds in Cemetery K at Adindan (cont.)
Tomb
Cairo
Figure/Plate


Figure 184. Object from Tomb K 31: No. 2. Scale 2:5

## K 50 (cont.)

Burials (cont.):
b. In chamber $B$ :
B. N/L/ex./- coffin
c. In chamber $C$ :
C. N/L/ex./pubis coffin (above blocking)
D. N/B/ex./sides-pubis below blocking

## Bodies:

A. Adult male
B. Adult male
C. Adult female
D. Adult male


Figure 185. Objects from Tomb K 50: (a) No. 16, (b) No. 7. Scale 1:2


Figure 186. Objects from Tomb K 50 (cont.): (a) No. 13, (b) No. 11, (c) No. 6, (d) No. 19, (e) No. 15, $(f)$ No. 8, $(g)$ No. 21, ( $h$ ) No. 2. Scale 2:5


Figure 187. Objects from Tomb K 50 (cont.): (a) No. 12, (b) No. 14, (c) No. 3, (d) No. 5, (e) No. 1. Scale $2: 5$

Table 22. Register of Finds in Cemetery K at Adindan (cont.)

| Tomb | Description and Contents | Cairo | OIM | FigurelPlate |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |

K 50 (cont.)

## Objects:

a. In chamber $A$ :

| 1. Jar CJ—5aviii, dk. red bur. | 23115 | figs. $4 \mathrm{~d}, 187 \mathrm{e}$ |
| :--- | :--- | :--- |
| 2. Bowl CB-3bi, int. hor. bur. red ct. | 23119 | fig. 186 h |
| 3. Jar CJ-6biv alpha, red ct. vert. bur. | 23116 | fig. 187 c |
| 4. C-Group bowl, $7.6 \times 4.8 \mathrm{~cm}$ (in K 50-2) | 23109 |  |
| 5. Stand ST-3b, hor. bur. red ct. | 23104 | fig. 187 d |
| 6. Jar PJ-2cii | 23114 | figs. $7 \mathrm{r}, 186 \mathrm{c}$ |
| 7. Stone jar III, blue marble | 23138 | fig. 185 b |
| 8. Bowl CB-5a | 23108 | figs. $2 \mathrm{c}, 186 \mathrm{f}$ |
| 9. Coffin remains, burial A | - |  |

b. In chamber $B$ :
10. Coffin remains, burial B
c. In shaft? with burial C?:
11. Miniature votive vessel MI, red ct.
12. Jar IV-CJ-6bi, 10YR 7/3, 10YR 8/2
13. Jar CJ—10bii, red ct. bur.
14. Jar IV-CJ-5c, greenish-wh.
15. Jar PJ—2bi, red ct.
16. Kohl jar II-B3a, blue marble

23117
23120
23121
23106
23139
17. Scarab, bl. gz. st., Zmi'Ti.wy extended, with pair nfr (L hand)
18. Coffin remains, burial C , red pt.
d. With burial D :
19. Jar SP-5, red ct.

23107
20. Coffin? remains, burial D
e. Unc. loc. possibly near K 50-8:
21. Bowl CB-5a

23127 fig. 186g

K 64
Shaft: rect., $1.95 \times 0.50 \times 0.40-0.80 \mathrm{~m}$
Burial: no trace
Objects:
$\begin{array}{ll}\text { 1. Scarab, st., with unc. dec. } & 23140 \mathrm{n} / \mathrm{a} \\ \text { 2. Sherds (from fill) } & \text { Sherds } \mathrm{n} / \mathrm{a}\end{array}$

K 65
Shaft with side chamber
Shaft: rect. with rounded comers, $2.45 \times 0.82 \times 2.10 \mathrm{~m}$
Chamber: on W , rect. with rounded corners, $2.45 \times 1.40 \times 0.75 \mathrm{~m}$, partly collapsed Blocking: 3 courses cb. remaining, some thrown into shaft

Table 22. Register of Finds in Cemetery K at Adindan (cont.)

| Tomb $\quad$ Description and Contents | Cairo | OIM | FigurelPlate |
| :--- | :--- | :--- | :--- | :--- |



Figure 188. Plans and Sections of Tomb K 65. Scale 1:40

## K 65 (cont.)

Burials dist. in shaft and ch.:
A. -
B. -
C. -
D. -

Bodies: ${ }^{57}$
A. Adult female
B. Senile male?
C. Adult male
D. Adult male, large
57. All skulls.

Table 22. Register of Finds in Cemetery K at Adindan (cont.)


Figure 189. Objects from Tomb K 65: (a) No. 6, (b) No. 8, (c) No. 10, (d) No. 16. Scale $2: 5$

## K 65 (cont.)

Objects:
a. In shaft:

1-3. Coffin remains Disc.
4. Jar CJ—2b
5. Jar II-PJ—2cv, with lid, dec.
6. Bowl

23173
23179
b. In chamber:
7. Jar CJ-6bii 23186
8. Bowl CB-3bi, hor. int. bur. red ct.

23180
9. Jar CJ—1b, red ct.
10. Bowl CB-3bi, hor. int. bur. red ct.
11. Jar UJ-1
12. Jar PJ—2div beta
13. Jar PJ-2cvi, N.K. fine, dec. bk. pt. (inside coffin)
14. Miniature votive vessel MI, red ct., bk. rim
15. Miniature votive vessel MI (?), red ct., bk. rim, $6.5 \times 5.5 \mathrm{~cm}$
figs. $3 \mathrm{~g}, 190 \mathrm{~g}$
figs. 7u, 190b
fig. 189a
fig. 190 h
fig. 190f
23178 fig. 189c
23181 fig. 190i
23182 fig. 190c
23176 fig. 190d
23183 fig. 190a


Figure 190. Objects from Tomb K 65 (cont.): (a) No. 14, (b) No. 5, (c) No. 12, (d) No. 13, (e) No. 18, (f) No. 9 , ( $g$ ) No. 4, ( $h$ ) No. 7, (i) No. 11. Scale 2:5 except ( $h$ ) 1:5

Table 22. Register of Finds in Cemetery K at Adindan (cont.)

| Tomb Description and Contents | Cairo | OIM | Figure/Plate |
| :---: | :---: | :---: | :---: |
| K 65 (cont.) |  |  |  |
| Objects (cont.): |  |  |  |
| b. In chamber (cont.): |  |  |  |
| 16. Bowl CB-3bi, hor. bur. red int. ct. |  | 23177 | fig. 189d |
| 17. Jar, as K 65-14 and 15,7.2 $\times 5.2 \mathrm{~cm}$ |  | 23185 |  |
| c. In chamber, not planned: |  |  |  |
| 18. Jar II-PJ-2cii, dec. bk. pt. |  | 23174 | fig. 190 e |

## D. CEMETERY S

Cemetery S (table 23, pl. 5) included two small clusters of loci, located directly to the south of VA, somewhat below the 125 m contour. Four shafts were dug toward the southern end of the area in the late A-Group burials and later plundered (see Williams 1989, chap. 2); S 3 was reused in the New Kingdom. The New Kingdom tombs consisted of four chamber tombs and two shafts. New Kingdom grave sheets were dated March 9-11, 1963.

Table 23. Register of Finds in Cemetery S at Qustul

| Tomb | Description and Contents | Cairo | OIM | Figure/Plate |
| :--- | :--- | :--- | :--- | :--- |



Figure 191. Plans of Tomb S 5. Scale 1:40

S 5
Shaft with end chambers
Shaft: rect., ca. $2.00 \times 0.60-0.65 \times 0.85-1.20 \mathrm{~m}$, with
step-depressions near doors of chambers
W chamber: $1.65 \times 0.45-0.70 \times 0.45-0.75 \mathrm{~m}$
E chamber: $2.50 \times 0.70-0.85 \times 0.70-0.90 \mathrm{~m}$
Blocking: 3 courses of cb., $0.10 \times 0.17 \times 0.33 \mathrm{~m}$
Burials:
a. In shaft:
A. W/B/ex.?/-coffin?
B. W/-/ex./-coffin?
C. -

Table 23. Register of Finds in Cemetery S at Qustul (cont.)


Figure 192. Objects from Tomb S 5: (a) No. 6, (b) No. 5, (c) No. 3. Scale 2:5 except (c) 1:5
S 5 (cont.)
Burials (cont.):
b. In W chamber:
D. W/B/ex./sides coffin
c. In E chamber:
E. W/B/ex./pubis coffin
F. -

Bodies:
A. Mature male
B. Probably adult
C. -
D. Probably adult
E. Probably aduit
F. -

Objects:
a. In shaft:

1. Furniture legs (from bed?)

Disc.
2. Frags. of dec. from coffin

Disc.
3. Jar CJ-8bi (W comer)

21322
fig. 192c
4. Bowl(s), "fragments of dishes from around bodies"

Disc.
b. In W burial chamber in coffin at feet:
5. Bowl CB-4aii, pk. rim band
fig. 192b
6. Bowl CB-4aii, pk. rim band

21321
fig. 192a

Table 23. Register of Finds in Cemetery $S$ at Qustul (cont.)

| Tomb | Description and Contents | Cairo |
| :--- | :--- | :--- |
| $\mathbf{S} 5$ (cont.) | OIM | Figure/Plate |
| Objects (cont.): |  |  |
| c. In E chamber: |  |  |
| 7. Bowl (near R humerus) | Disc. |  |
| 8. Bowl (near head) | Disc. |  |
| 9. Coffin remains, burial A, or bed | Disc. |  |
| 10. Coffin remains, burial B, or bed | Disc. |  |
| 11. Coffin remains, burial D | Disc. |  |
| 12. Coffin remains, burial E | Disc. |  |

S 6
fig. 193
Shaft with two end chambers
Shaft: rect., ca. $2.50 \times 0.75-0.99 \times 2.50 \mathrm{~m}$, level floor
W chamber: $2.15 \times 2.60 \times 0.90 \mathrm{~m}$
E chamber: $2.30 \times 2.30 \times 0.90 \mathrm{~m}$
Burials:
a. W chamber:
A. W/B/3-4/sides head turned
B. - SW comer
b. E chamber:
C. W/B/ex./sides coffin

Bodies:
A. Adult?
B. Adult?
C. Adult?

Objects:
a. In W chamber, $R$ side of body:

1. Bowl CB-4aii, gr. ct., red rim band, $20.3 \times 7.2 \mathrm{~cm} 21340$
2. Bowl CB-4aii, red ct. and red rim band, $21.3 \times 8.0 \mathrm{~cm} 21341$
3. Bowl CB-4aii, gr. ct., red rim band 21342
4. Bowl CB-4aii, red ct., dipped 22226
fig. 194b
b. In E chamber, around burial C:
5. Bowl Disc.
6. Bowl CB-4aii, gr. ct., red rim band, $20.8 \times 7.6 \mathrm{~cm} 22227$
7. Bowl CB-4aii, gr. ct., red rim band 21343
8. Bowl CB-4aii, gr. ct.(?), red rim band 22219
9. Bowl CB-4aii, red ct. int. and ext. band 21344
10. Bowl CB-4aii, gr. ct., red rim, $20.2 \times 7.0 \mathrm{~cm} 22220$
11. Coffin remains, burial $C$ Disc.
fig. 194d
fig. 194c


Figure 193. Plan and Section of Tomb S 6. Scale 1:40

Table 23. Register of Finds in Cemetery S at Qustul (cont.)


Figure 194. Objects from Tomb S 6: (a) No. 4, (b) No. 3, (c) No. 9, (d) No. 8. Scale 2:5
figs. 195, 196a
Shaft with two end chambers:
Shaft: rect. with rounded ends, ca. $2.75 \times 0.80 \times 2.00 \mathrm{~m}$
W chamber: $2.50 \times 1.30-1.70 \times 0.95-1.00 \mathrm{~m}$
Blocking: bricks, $0.12 \times 0.18 \times 0.37 \mathrm{~m}, 4$ courses and stone slabs
E chamber: $2.65 \times 1.10-1.65 \times 1.10-1.25 \mathrm{~m}$
Loculus in NE corner: $0.55 \times 0.70 \times 1.25 \mathrm{~m}$
Blocking: bricks, double thickness, 7 courses, 3 removed
Burials (top down): ${ }^{58}$
a. In shaft at -2.35 m :
A. W/B/ex./sides (on bed? or in coffin)
B. W/B/ex./crossed pubis (on bed? or in coffin)
b. Below burial B:
C. W/B/ex./crossed pubis
c. In shaft at -2.50 m :
D. W/B/crossed at ankles/sides, head turned N
E. W/B/folded under thighs/pubis, head turned $N$
d. In W chamber:
F. - (skull and bones)
e. In E chamber:

G-H. - (skulls and scattered bones)
58. The heads of burials $A-C$ were removed. The rectangle enclosing both burials $A$ and $B$ is probably the outsides of two coffins placed side-by-side; the inner sides may have been completely destroyed.



Figure 196. Plans, Sections, and Object from Tomb S 7: (a) Plans and Sections, (b) No. 9. Scales (a) 1:40 and (b) 1:2


Figure 197. Objects from Tomb S 7 (cont.): (a) No. 5, (b) No. 1, (c) No. 10, (d) No. 18, (e) No. 2, $(f)$ No. 11, (g) No. 6, (h) No. 17. Scale 2:5


Figure 198. Objects from Tomb S 7 (cont.): (a) No. 8, (b) No. 14. Scale 2:5

Table 23. Register of Finds in Cemetery S at Qustul (cont.)

| Tomb Description and Contents | Cairo | OIM | Figure/Plate |
| :---: | :---: | :---: | :---: |
| S 7 (cont.) |  |  |  |
| Bodies: |  |  |  |
| A. Female |  |  |  |
| B. Male |  |  |  |
| C. Female |  |  |  |
| D. Mature female |  |  |  |
| E. Juvenile female |  |  |  |
| F-H. - |  |  |  |
| Objects: |  |  |  |
| a. In shaft: |  |  |  |
| 1. Jar UJ-2b |  | 22359 | fig. 197b |
| b. From W burial chamber: |  |  |  |
| 2. Bowl CB-4bii, red ct. no bur. |  | 21345 | fig. 197e |
| 3. Bowl CB-3aii, red int. ct. dipped, $16.0 \times 6.2 \mathrm{~cm}$ |  | 21346 |  |
| 4. Jar CJ-6biii, $48.0 \times 21.3 \mathrm{~cm}$ |  | 21348 |  |
| 5. Jar II-PJ-3, greenish |  | 21350 | fig. 197a |
| 6. Bowl CB-3aii, gr. ct., red rim |  | 21397 | figs. 1q, 197g |
| 7. Bowl |  | - |  |
| 8. Jar CJ-5ax |  | 22332 | fig. 198a |
| 9. Kohl jar II-A6 |  | 21417 | fig. 196b |
| c. E chamber: |  |  |  |
| 10. Bowl CB-1b, wh. band inside rim |  | 21396 | fig. 197c |
| 11. Bowl CB-4bii, red ct. |  | 20470 | fig. 197f |
| 12. Bowl UA-2, wh. rim ?, $19.8 \times 9.2 \mathrm{~cm}$ |  | 22279 |  |
| 13. Bowl CB-1b, $20.2 \times 9.0 \mathrm{~cm}$ |  | 22276 |  |
| 14. Jar CJ-5axiii |  | 22333 | fig. 198b |
| d. From shaft: |  |  |  |
| 15. Bottom of headrest (at -0.29 m ) |  | 21420 |  |
| 16. Stone vessel rim frags., alabaster |  | 21422 |  |
| e. Shaft, not precisely located: |  |  |  |
| 17. Bowl UA-2, wh. band (below coffin?) |  | 21347 | fig. 197h |
| 18. Bowl CB-1a |  | 21316 | fig. 197d |
| f. W chamber, position unc. (from R 68 or S 7 ): |  |  |  |
| 19. Jar CJ-5axiii, red ct., $50.5 \times 21.1 \mathrm{~cm}$ |  | 22331 |  |
| S 8 |  |  | fig. 199 |
| Shaft with end chambers |  |  |  |
| Shaft: ca. $2.30 \times 0.60-0.65 \times 2.35 \mathrm{~m}$ (step to chamber ca. 0.10 m ) |  |  |  |
| W chamber: $2.25 \times 1.80-2.05 \times 0.80 \mathrm{~m}$ (step -0.10 m) |  |  |  |
| E chamber: $1.75 \times 1.80 \times 0.85$ (step -0.20 m ) |  |  |  |



Figure 199. Plans and Sections of Tomb S 8. Scale 1:40

Table 23. Register of Finds in Cemetery $S$ at Qustul (cont.)


Table 23. Register of Finds in Cemetery $S$ at Qustul (cont.)


Figure 200. Objects from Tomb S 8: (a) No. 4, (b) No. 1, (c) No. 29, (d) No. 30, (e) No. 16. Scale 2:5

S 8 (cont.)
Objects (cont.):
a. W chamber, level III-IV (cont.):
7. Jar, incomplete (with burial G) -
$8-10$. Hair rings/earrings, bone, dia. ca. 1.3 cm 21411
11. Kohl stick, metal, length 15.6 cm 21409

12-14. Coffin remains, burials F-H Disc.


Figure 201. Objects from Tomb S 8 (cont.): (a) No. 15, (b) No. 3, (c) No. 31, (d) No. 26, (e) No. 22. Scale $2: 5$ except (d) 1:5

Table 23. Register of Finds in Cemetery S at Qustul (cont.)

61. Registration card indicates this object is from $S 7$.
62. Object number 24 deleted from record.
63. Altematively S 8-20; note also S 8-36.
64. Date?

Table 23. Register of Finds in Cemetery S at Qustul (cont.)

| Tomb | Description and Contents | Cairo | OIM | Figure/Plate |
| :--- | :--- | :--- | :--- | :--- | :--- |

S 10
Shaft: rect. with rounded comers, ? $\times 0.45-0.50 \times>0.25 \mathrm{~m}$
Burial:
A. W/B/ex./pubis coffin

Body:
A. Juvenile

Object:

1. Remains of coffin

Disc.

## E. CEMETERY W

Cemeteries W1 and W2 (pl. 5) consisted of clusters of tombs and cache pits found on the terrace ca. 1 km to the south of the great Qustul (Q) cemetery, just to the north of the village of Qustul. Most of the numbered tombs and about twentyfour unnumbered circular pits in W1 were made during the A-Group period (see Williams 1989, chap. 2, pp. 46-84), and a few were made much later.

Cemetery W2 contained the few tombs assigned to the New Kingdom, along with a number of unrelated graves and pits of other periods. These included the A-Group (Williams 1989, chap. 2, pp. 82-84), the Napatan period (Williams 1990b: 64-67), and the X-Group/Christian periods (Williams 1991b, Appendix, table 26). Both cemeteries were excavated between February 25 and March 4, 1964.

Table 24. Register of Finds in Cemetery W at Qustul

| Tomb $\quad$ Description and Contents | Cairo | OIM | Figure/Plate |
| :--- | :--- | :--- | :--- |
| W2 52 |  |  |  |
| Shaft: rect. with rounded corners, $1.65 \times 0.48 \times 0.60 \mathrm{~m}$ |  |  |  |
| Burial: W/R/ex./- |  |  |  |
| Body: senile male |  |  |  |
| Objects: | 23933 | fig. 202 |  |
| 1. Bowl CB-7b, red ct. int. and above ext. | Disc. |  |  |
| 2. Bowl | Disc. |  |  |



Figure 202. Object from Tomb W 52: No. 1. Scale 2:5


Figure 203. Objects from Tomb W 55: (a) No. 4, (b) No. 5, (c) No. 2, (d) No. 7, (e) No. 3. Scale 2:5

Table 24. Register of Finds in Cemetery W at Qustul (cont.)

| Tomb | Description and Contents | Cairo | OIM | Figure/Plate |
| :--- | :--- | :--- | :--- | :--- | :--- |

W2 53
Shaft: rect., $1.95 \times 0.84 \times 0.82 \mathrm{~m}^{65}$
Burial: W/L/thighs at $45-90^{\circ}$, knees bent/ before face (dist.)
Body: senile female
Objects: -

W2 55
Shaft: rect. with rounded ends, $1.88-2.11 \times 0.67 \times 1.00 \mathrm{~m}$
Burial: W/-/ex.-slightly bent/- coffin
Body: senile female
Objects:

1. Stand ST-3?, red ct. bur. (NE comer)

B1580, 89999
3. Jar CJ—1c (NW comer) 23964 fig. 203e
4. Bowl CB-3bi, hor. int. bur. red ct. (in W2 55-2)
5. Bowl CB-3bi, hor. int. bur. red ct. (in W2 55-6)
6. Bowl (SW comer)

23930 fig. 203a
23932 fig. 203b
7. Jar CJ-5aiii, red ct. (SE comer)

Disc.
8. Coffin or other wood remains

23844 fig. 203d
Disc.

W2 56
Shaft: $1.75 \times 0.53 \times 0.55 \mathrm{~m}$
Burial: W/?/ex./- coffin
Body: juvenile female
Objects:

1. Bowl, "red bowl, broken"

Disc.
2. Jar $\mathrm{CJ}-10 \mathrm{c}$, bur. red ct.

23922
3. Jar CJ-5aiii
4. Bowl CB-3bi, hor. int. bur. red ct.
5. Coffin remains

23920
23931
Disc.
figs. 7c, 204b, pl. 17a
fig. 204c
fig. 204a

## W2 68

Shaft with end chambers
Shaft: rect. with access steps to N and S of ridge inside, $1.85 \times 0.80 \times 1.42 \mathrm{~m}$
S chamber: steps to floor, $-1.85,2.60 \times 2.58 \times 0.92 \mathrm{~m}$
Doorway: $0.95 \times-\times-m$
Blocking: stone slab lining W side, $0.85 \times 0.42 \times 0.10 \mathrm{~m}$
N chamber: $1.35 \times 1.02-1.35 \times 0.86 \mathrm{~m}$ "very irregular"
Step: to -1.85 m
65. Burial possibly later.

Table 24. Register of Finds in Cemetery W at Qustul (cont.)

| Tomb Description and Contents | Cairo | OIM | Figure/Plate |
| :--- | :--- | :--- | :--- | :--- |



Figure 204. Objects from Tomb W 56: (a) No. 4, (b) No. 2, (c) No. 3. Scale 2:5
W2 68 (cont.)
Doorway: 0.92 m
Burials, in S chamber:
A. -
B. -
C. -
D. -

Bodies:
A. Adult female
B. Adult female
C. Adult female
D. Adult female

## Objects:

1. Bowl CB-1a
23967
2. Bowl CB-3ai, red rim
23961
3. Sherds
Sherds n/a

Table 24. Register of Finds in Cemetery W at Qustul (cont.)

| Tomb | Description and Contents | Cairo | OIM | FigurelPlate |
| :--- | :--- | :--- | :--- | :--- | :--- |



Figure 205. Object from Tomb W 68. Scale 2:5

W2 68 (cont.)
Sherds:
A. Jar $\mathrm{CJ}-5$ ?, with lt. ct., red bands frame bk. bands with spots
fig. 205

W2 77
Shaft: $3.50 \times 0.57 \times 0.45 \mathrm{~m}$, subrectangular, deepened to -0.60 m ,
1.20 m from $E$ end, undercut 0.45 m at $W$ end

Burials: -
Bodies:
A. Adult male
B. Less than 17.5 years

Object:

1. "Sherds of reddish drop-shaped jar with red paint around rim"

Disc.

Table 24. Register of Finds in Cemetery W at Qustul (cont.)

| Tomb | Description and Contents | Cairo | OIM |
| :--- | :--- | ---: | :--- |
| W2 78 |  |  |  |
| Shaft: $2.08 \times 0.55 \times 0.70 \mathrm{~m}$, subrectangular |  |  |  |
| Burial: - |  |  |  |
| Body: adult female |  |  |  |
| Object: |  |  |  |

1. "Sherds of broken brownish pot"

a


Figure 206. Objects from Tonb W 81: (a) No. 1, (b) No. 3. Scale 2:5
W2 81
Shaft: $1.75 \times 0.62 \times 1.10 \mathrm{~m}$
Burial: W?/L/ex./pubis
Body: adult female
Objects:

1. Jar CJ-5aiii, remains of red ct. 23919 fig. 206a
2. Jar IV—CJ—5avi, greenish gr., incomplete spiral, $31.0 \times 13.0 \mathrm{~cm} 23843$
3. Bowl CB-2b, wh. rim, out and in

23959 fig. 206b


## Plate 2



Plate 3


Cemetery VB


Cemetery VC

Plate 4


Plans of Cemeteries VF, VG, and VH


Plate 6

a

b
Views of (a) Cemetery R and (b) Tomb R 30 [Late], Viewed from the East towards the River

a

b
Views of Burials (a) B and (b) C in Tomb R 29, Viewed from the West

Plate 8

a

b
Views of Tombs (a) R 40 (Burial L) and (b) R 32 (Brick Blocking)

a

b
Views of Tombs (a) V 47 and (b) V 48 (Shaft, Level VII)

## Plate 10




## Plate 11



Objects from Tombs V 76 and V 60: (a) No. 32 (V 76) and (b) No. 12 (V 60). Scale ca. 2:5

Plate 12


Objects from Tombs V 60, V 81, and V 72B: (a) No. 7 (V 60), (b) No. 9 (V 81), (c) No. 11 (V 72B). Scale ca. 2:5


Objects from Tombs V 81, R 40, and V 56: (a) No. 18 (V 81), (b) No. 5 (R 40), (c) No. 6 (V 81), (d) No. 1 (V 56). Scale ca. 2:5

Plate 14


Objects from Tombs R 35, V 50, V 60, and V 46: (a) No. 8 (R 35), (b) No. 2 (V 50),
(c) No. 11 (V 60), (d) No. 14 (V 46). Scale ca. 2:5


Objects from Tombs R 45, V 71, R 20, V 66, and V 72B: (a) No. 18 (R 45), (b) No. 1 (V 71), (c) No. 6 (R 20), (d) No. 3 (V 66), (e) No. 29 (V 72B). Scale ca. 2:5

Plate 16



Objects from Tombs W 56, V 113, R 83, V 60, and R 75: (a) No. 2 (W 56), (b) No. 38 (V 113), (c) No. 1 (R 83), (d) No. 27 (V 60), (e) No. 13 (R 75). Scale ca. 2:5

Plate 18


Objects from Tombs V 76, R 84, R 20, V 60, R 35, and V 75: (a) No. 23 (V 76), (b) No. 1 (R 84),
(c) No. 10 (R 20), (d) No. 4 (V 76), (e) No. 22 (V 60), (f) No. 38 (R 20),
(g) No. 72 (R 35), (h) No. 2 (V 75). Scale ca. 2:5

Plate 19


Objects from Tombs V 76 and V 73: (a) No. 30 (V 76), (b) No. 21 (V 76),
(c) No. 24 (V76), (d) No. 5 (V 73), (e) No. 31 (V 76). Scale ca. 2:5


Jar II-PJ—5b
c

Objects from Tombs R 20, V 113, and V 76: (a) No. 9 (R 20), (b) No. 11 (V 113),
(c) No. 29 (V 76). Scale ca. 2:5


Lid 1I-LI-3
a


Stand ST-2
b


Stand ST-3b
c

Objects from Tombs R 18, R 20, and R 29: (a) No. 8 (R 19); (b) No. 43 (R 20); (c) No. 24 (R 29). Scale ca. 2:5

Plate 22


Objects from Tombs R 35, S 8, and V 46: (a) No. 1 (R 35); (b) No. 15 (S 8); (c) No. 10 (V 46). Scale ca. 2:5


Juglet IM—3
a


Spindle Bottle IM—5


Spindle Bottle IM-5
b

Plate 23


Spindle Bottle IM-5
c
d
Spindle Bottle IM-5
e
Objects from Tombs R 29 and R 35: (a) No. 17 (R 29), (b) No. 56 (R 29), (c) No. 57 (R 29), (d) No. 59 (R 35), (e) No. 60 (R 35). Scale ca. 2:5

Plate 24

c

Objects from Tombs V 76 and V 113: (a) No. 5 (V 76), (b) No. 52 (V 113), (c) No. 7 (V 76). Scale ca. 2:5


Object from Tomb R 29: No. 46. Scale ca. 2:5

Plate 26


Objects from Tombs R 35 and V 46: (a) No. 40 (R 35), (b) No. 23 (V 46),
(c) No. 18 (V 46), (d) No. 45 (V 46). Scale ca. 1:5


Objects from Tombs R 61, R 29, and R 35: (a) No. 2 (R 61), (b) No. 42 (R 29), (c) No. 37 (R 35). Scale ca. 1:5

Plate 28


Objects from Tombs R 75, V 45, V 113, and V 55: (a) No. 12 (R 75), (b) No. 3 (V 45), (c) No. 42 (V 113), (d) No. 9 (V 55). Scale ca. 1:5


Objects from Tombs V 72B and V 48 and a Potmark from an Unknown Provenience: (a) No. 21 (V 72B), (b) No. 58 (V 48), (c) Potmark (Unknown Provenience). Scales (a) ca. 4:5, (b) ca. 2:5, (c) Not to Scale

Plate 30


Fragments of the Coffin of Senisenbu

Plate 31


Coffin of Senisenbu

b
Object from Tomb V 48 as Found: No. 105-(a) Head End, (b) Foot End

a

b
Coffin of Senisenbu

Object from Tomb V 48: No. 105-(a) Fragment of Left Side As Now Preserved, (b) Fragment of Left Side (Field Photograph) Joins Right of (a)


Object from Tomb R 40: No. 68 (Number Uncertain)

Plate 34


Coffin Fragment
b
Coffin Fragment
a


Coffin Fragment
c



Coffin Fragment
d
Objects from Tombs V 55 and V 48: (a) Unnumbered (V 55), (b) Unnumbered (V 55),
(c) No. 97 (V 48), (d) No. 7 (V 48). Scale ca. 1:5


Plaster Mask
b


Plaster Mask
c


Plaster Mask
a


Plate 36


Shawabti


Object from Tomb R 94: No. 4 -(a) Photograph, (b) Drawing. Scale 1:2


Plate 38


Stone Jar IV
c


Stone Jar V
d


Stone Handled Jar VII
f


Stone Jar VIA
b


Stone Jar VIII e


Stone Situla Jar VI-B
g

Objects from Tombs V 72B and V 48: $(a)$ No. 16 (V 72B ), (b) No. 33 (V 72B), (c) No. 102 (V 48),
(d) No. 99 (V 48), (e) No. 80 (V 48), ( $f$ ) No. 83 (V 48), (g) No. 84 (V 48),
(h) No. 81 (V 48). Scale ca. 1:2


Objects from Tombs R 45, V 81, R 84, R 20, R 29, R 32, K 21, V 83, V 47, V 76, V 73, V 71, V 72B, R 56, and V 93: (a) No. 5 (R 45), (b) No. 22 (V81), (c) No. 39 (R 45), (d) No. 2 (R 84), (e) No. 20 (R 20),
(f) No. 21 (R 20), (g) No. 14 (R 29), (h) No. 5 (R 32), (i) No. 1 (K 21), (j) No. 17 (V 83),
(k) No. 11 (V 83), ( $l$ ) No. 2 (V 47), (m) No. 1 (V 76), ( $n$ ) No. 6 (V 73), (o) No. 6 (V 71),
(p) No. 8 (V 72B), ( $q$ ) No. 19 (R 29), ( $r$ ) No. 4 (R 56), ( $s$ ) No. 6 (V 93),
( $t$ ) No. 11 (V 76), (u) No. 15 (V 72B). Scale ca. 1:2

## Plate 40



Copper or Bronze Feminiform Mirror
Object from Tomb V 48: No. 52


Copper or Bronze Feminiform Mirror
Object from Tomb V 48: No. 52 (cont.)

Plate 42


Copper or Bronze Feminiform Mirror
Object from Tomb V 48: No. 52 (cont.)


Copper or Bronze Feminiform Mirror
Object from Tomb V 48: No. 52 (cont.)

Plate 44


Object from Tomb R 40: No. 66. Scale ca. 1:1


Copper or Bronze Pitcher
Object from Tomb V 48: No. 50. Scale ca. 1:2


Objects from Tomb V 48: (Top Row, Left to Right) No. 54 (Bowl), No. 106 (Bowl), No. 22 (Bowl), (Center Row, Left to Right) No. 51 (Stand), No. 49 (Bowl), No. 50 (Pitcher), (Bottom Row, Left to Right) No. 107 (Bowl), No. 108 (Bowl), No. 52 (Mirror)


Plate 48


Objects from Tombs V 48, V 93, V 46, V 60, R 20, and R 45: (a) No. 31 (V 48), (b) No. 7 (V 93), (c) No. 36 (V 46), (d) No. 40 (V 60), (e) No. 19 (R 20), ( f) No. 28 (V 60), (g) No. 32 (R 45), ( $h$ ) No. 8 (V 48),
(i) No. 30 (V 46), ( $j$ ) No. 19 (V 46), (k) No. 30 (V 48), (l) No. 109 (V 48). Scale ca. 1:1


Objects from Tombs R 35, R 45, V 48, V 54, and V 69: (a) No. 13 (R 35), (b) No. 14a (R 45), (c) No. 12 (R 45), (d) No. 3 (R 45), (e) No. 117 (V 48), ( $f$ ) No. 23 (V 48), ( $g$ ) No. 27 (V 48), ( $h$ ) No. 7 (V 54),
(i) No. 4 (V 69), ( $j$ ) No. 5 (V 69). Scale ca. 1:1

Plate 50


Faience Bowl
a

b


Slate Palette

c

Objects from Tombs R 34, V 97, and V 48: (a) No. 2 (R 34), (b) No. 8 (V 97), (c) No. 53 (V 48). Scale ca. 1:2

Plate 51


Stela (OIM 21560). Scale ca. 1:4



## LIST OF REGISTERED OBJECTS

## A. ORIENTAL INSTITUTE MUSEUM

| Registration Number | Cemetery, <br> Tomb, Object | Description | FigurelPlate |
| :---: | :---: | :---: | :---: |
| 20470 | S 7-11 | Bowl CB-4bii | fig. 197f |
| 20648 | R 4B-11 | Jar PJ-2div gamma | figs. 8i, 18e |
| 20649 | R 4B-9 | Jar UJ-2a | figs. $2 \mathrm{j}, 18 \mathrm{~g}$ |
| 20650 | R 4B-6 | Bowl CB-7a | fig. 18b |
| 20651 | R 4B-10 | Jar UJ-2a | fig. 18f |
| 20652 | R 4B-7 | Bowl CB-4aiii | fig. 18a |
| 20653 | R 4B-8 | Bowl CB-4aiii | fig. 18d |
| 20654 | R 4B-4 | Bowl CB-4aiii | figs. 1v, 18c |
| 20661 | R 4B-12 | "Pot contents" | - |
| 20666 | R 4B-13 | Beads | fig. 17q, r |
| 20700 | R 9-1 | Jar CJ-5aiii | fig. 19 |
| 20733 | R 13-1 | Jar CJ-5aiii | fig. 20b |
| 20734 | R 13-2 | Jar PJ-2ciii or 2di | fig. 20a |
| 20737 | R 17-3 | Jar PJ-2dvi | figs. 8k, 21b |
| 20745 | R 17-1 | Bowl CB—lc | fig. 21a |
| 20763 | R 20-2 | Jar UJ-2d | figs. 2m, 25 d |
| 20764 | R 20-1 | Bowl CB-4av | figs. $1 \mathrm{x}, 24 \mathrm{e}$ |
| 20770 | R 20-9 | Jar PJ-5a | figs. 9a, 26b, pl. 20a |
| 20771 | R 20-10 | Jar PJ-2dii | fig. 26d, pl. 18c |
| 20772 | R 20-17 | Bowl CB-3bi | - |
| 20773 | R 20-3 | Jar UJ-2d | fig. 25 e |
| 20778 | R 20-5 | Jar CJ-1b | figs. 3c, 25a |
| 20779 | R 20-6 | Jar CJ—1b | pl. 15 c |
| 20782 | R 20-11 | Jar IV-CJ-11c | fig. 26 c |
| 20786 | R 20-7 | Bowl CB-1c | fig. 24a |
| 20788 | R 20-18 | Residue from R 20-10 | - |
| 20790 | R 20-8 | Bowl CB-1c | - |
| 20798 | R 20-23 | Scarab | - |
| 20799 | R 19-1 | Scarab | fig. 11e |
| 20800 | R 13-3 | Scarab | fig. 11c |
| 20801 | R 13-4 | Scarab | fig. 11b |

NEW KINGDOM REMAINS FROM QUSTUL AND ADINDAN

## A. ORIENTAL INSTITUTE MUSEUM (cont.)

| Registration Number | Cemetery, Tomb, Object | Description | Figure/Plate |
| :---: | :---: | :---: | :---: |
| 20805 | R 20-47 | Jar UJ-2d | - |
| 20806 | R 20-48 | Jar UJ-2d | - |
| 20838 | R 32-1 | Scarab | fig. 111 |
| 20839 | R 32-2 | Scaraboid | - |
| 20840 | R 32-3 | Scarab | fig. 11 m |
| 20841 | R 32-4 | Scarab | fig. 11 n |
| 20890 | R 41-3 | Bracelet of beads | - |
| 20893 | R 32-11 | Beads | - |
| 20894 | R 32-5 (R 25?) | Alabaster kohl jar | fig. 35b, pl. 39h |
| 20895 | R 25-9 | Skeleton of bird | - |
| 20896 | R 19-5 | Hair ring/earring | - |
| 20897 | R 19-6 | Cowroid | fig. 11 g |
| 20898 | R 19-4 | Beads | fig. $17 \mathrm{a}, \mathrm{h}, \mathrm{k}, \mathrm{n}, \mathrm{o}$ |
| 20899 | R 19-3 | Stone vessel fragment, kohl jar rim? | - |
| 20900 | R 19-7 | Ivory fragments, box inlays? | - |
| 20906 | R 20-22 | Mirror | fig. 23f |
| 20907 | R 20-45 | Cowroid | fig. 11i |
| 20908 | R 20-14 | Kohl jar II-A3 | fig. 23b |
| 20909 | R 20-20 | Kohl jar II-B3b | fig. 23c, pl. 39e |
| 20910 | R 20-21 | Kohl jar II—A2 | fig. 23d, pl. 39f |
| 20911 | R 20-16 | Copper tweezers | fig. 23 e |
| 20912 | R 20-46 | Kohl stick of wood | - |
| 20913 | R 20-44 | Beads | fig. 17b, 1 |
| 20913 | R 20-44 | Beads | fig. 17w |
| 20926 | R 13-5 | "Hair" | - |
| 20930 | R 33-6 | Scarab | fig. 110 |
| 20931 | R 33-8 | Kohl jar II-B | fig. 37b |
| 20944 | R 29-20 | Kohl jar II-B3a | fig. 29d |
| 20945 | R 29-12 | Cowroid | fig. 11k |
| 20947 | R 29-13 | Scarab | fig. 11j |
| 20948 | R 29-15 | Ax | fig. 29j |
| 20949 | R 29-19 | Kohl jar II-A4b | fig. 29e, pl. 39q |
| 20950 | R 29--53 | Kohl jar II-A 1bii | fig. 29 f |
| 20951 | R 29-10 | Kohl jar II—B3b | fig. 29 g |
| 20952 | R 29-50 | Kohl jar | fig. 29b |
| 20953 | R 29-14 | Kohl jar II-B3b | fig. 29c, pl. 39g |
| 20954 | R 29-51 | Tweezers | fig. 29h |
| 20956 | R 29-28 | Copper hook | - |
| 20959 | R 29-9 | Coffin fragments | - |
| 21003 | R 45-42 | Kohl jar II-Albi | fig. 58c |
| 21004 | R 45-20 | Kohl jar II-B | fig. 58b |

## A. ORIENTAL INSTITUTE MUSEUM (cont.)

| Registration Number | Cemetery, <br> Tomb, Object | Description | Figure/Plate |
| :---: | :---: | :---: | :---: |
| 21005 | R 20-38 | Jar II-PJ-2cvi | fig. 26f, pl. 18f |
| 21006 | R 20-42 | Stand ST-2 | figs. 10n, 26e |
| 21007 | R 20-41 | Jar CJ-lb | fig. 26a |
| 21008 | R 20-40 | Jar IV-CJ-5aviii | fig. 25b |
| 21009 | R 20-35 | Bowl CB—ld | - |
| 21010 | R 20-34 | Bowl CB-1d | fig. 24c |
| 21011 | R 20-36 | Bowl CB-1d | - |
| 21012 | R 20-24 | Bowl CB-3bi | - |
| 21013 | R 20-25 | Bowl CB-3bi | - |
| 21014 | R 20-26 | Bowl CB-3bi | - |
| 21015 | R 20-27 | Bowl CB-4bii | fig. 24b |
| 21016 | R 20-28 | Bowl CB-1b | figs. 1f, 24 f |
| 21017 | R 20-29 | Bowl CB-1b | - |
| 21018 | R 20-30 | Bowl CB-1b | - |
| 21019 | R 20-31 | Bowl CB-1b | - |
| 21020 | R 20-32 | Bowl CB-1b | - |
| 21021 | R 20-33 | Bowl CB-1b | fig. 24d |
| 21022 | R 20-37 | Jar II—PJ-2civ | - |
| 21023 | R 20-39 | Jar CJ-6biii | figs. 5j, 25c |
| 21034 | R 29-16 | Bowl CB-3bi | - |
| 21035 | R 29-35 | Bowl CB-3bi | fig. 30e |
| 21037 | R 29-21 | Bowl CB-3bi | - |
| 21038 | R 29-37 | Bowl CB-3bii | - |
| 21039 | R 29-23 | Bowl CB-3bi | fig. 30a |
| 21040 | R 29-63 | Bowl CB-3bi | - |
| 21041 | R 29-32 | Bowl CB-lc | figs. $1 \mathrm{~g}, 30 \mathrm{~h}$ |
| 21042 | R 29-24 | Stand ST-3b | fig. 33a, pl. 21c |
| 21043 | R 29-36 | Potstand ST-3b | - |
| 21044 | R 29-41 | Jar IV-CJ—9 | fig. 34a |
| 21045? | R 29-55 | Jar CJ-5bv or vi | - |
| 21046 | R 29-56 | Spindle bottle IM-5 | figs. 10j, 31g, pl. 23b |
| 21047 | R 29-57 | Spindle bottle IM-5 | fig. 31 h , pl. 23c |
| 21048 | R 29-17 | Juglet IM-3 | figs. 10h, 31a, pl. 23a |
| 21049 | R 29-30 | Jar CJ—la | figs. 3b, 31d |
| 21050 | R 29-40 | Jar CJ—la | fig. 31c |
| 21051 | R 29-61 | Jar CJ-5aiii | figs. 3j, 32c |
| 21052 | R 29-29 | Jar PJ—2div beta | figs. 8h, 31b |
| 21053 | R 29-18 | Jar II-PJ-2cvi | fig. 31e |
| 21054 | R 29-39 | Jar II-PJ—2ci | figs. 7q, 31f |
| 21055 | R 29-1 | Jar UJ-3a | figs. $2 \mathrm{n}, 33 \mathrm{~d}$ |
| 21056 | R 29-4 | Jar UJ-1 | figs. 2i, 33b |

NEW KINGDOM REMAINS FROM QUSTUL AND ADINDAN
A. ORIENTAL INSTITUTE MUSEUM (cont.)

| Registration Number | Cemetery, Tomb, Object | Description | Figure/Plate |
| :---: | :---: | :---: | :---: |
| 21057 | R 29-31 | Jar CJ-5avi | fig. 32e |
| 21058 | R 43-1 | Bowl CB-3aiii | fig. 56d |
| 21059 | R 43-4 | Bowl CB-lc | fig. 56c |
| 21060 | R 43-3 | Bowl CB-3bi | fig. 56b |
| 21061 | R 43-5 | Jar CJ-5avi | - |
| 21062 | R 43-2 | Jar CJ-5aiii | fig. 56 f |
| 21063 | R 43-6 | Jar II-PJ-4 | fig. 56a |
| 21064 | R 32-6 | Bowl CB-7c | fig. 36c |
| 21065 | R 32-9 | Jar CJ-5? | fig. 36b |
| 21066 | R 25-1 | Bowl IV-CB-7c | figs. $2 \mathrm{~h}, 28 \mathrm{e}$ |
| 21067 | R 25-8 | Jar PJ—2cvi | fig. 28a |
| 21068 | R 25-2 | Bowl CB-7b | figs. 2g, 28d |
| 21073 | R 41-2 | Bowl CB-3bii | fig. 54a |
| 21074 | R 33-3 | Jar UJ-2d | fig. 38b |
| 21075 | R 33-1. | Jar CJ-5axiii | fig. 4i, 39 |
| 21079 | R 34-2 | Faience bowl | fig. 38c, pl. 50a |
| 21080 | R 19-8 | Lid II-LI-3 | figs. $9 \mathrm{~m}, 22$, pl. 21a |
| 21087 | R 40-24 | Jar II-PJ—1dii | figs. $7 \mathrm{k}, 52 \mathrm{f}$ |
| 21089 | R 40-35 | Bowl CB-le | - |
| 21090 | R 40-15 | Bowl CB-le | fig. 511 |
| 21091 | R 40-18 | Bowl CB-2b | figs. $1 \mathrm{n}, 51 \mathrm{~m}$ |
| 21092 | R 40-54 | Bowl CB-1b | - |
| 21093 | R 40-70 | Bowl CB-1b | - |
| 21094 | R 40-71 | Bowl CB-1b | fig. 51b |
| 21095 | R 40-53 | Bowl CB-lb | fig. 51d |
| 21096 | R 40-55 | Bowl CB-1b | - |
| 21097 | R 40-72 | Bowl CB-1b | - |
| 21098 | R 40-37 | Bowl CB-lb | fig. 51e |
| 21099 | R 40-21 | Bowl UA-la | figs. 1a, 52e |
| 21100 | R 40-20 | Bowl CB-1a | fig. 51c |
| 21100 | R 40-34 (or R 20-20) | Bowl CB-1a | fig. 51c |
| 21101 | R 40-30 | Bowl CB-1c/3bii | fig. 51i |
| 21102 | R 40-33 | Bowl CB-lc | - |
| 21103 | R 40-63 | Jar CJ—la | fig. 53b |
| 21104 | R 40-62 | Jar PJ-2diii beta | figs. 8e, 52i |
| 21105 | R 40-27 | Jar PJ-2diii gamma | figs. 8f, 53a |
| 21106 | R 45-30 | Jar PJ-2a | fig. 60c |
| 21107 | R 40-28 | Juglet II-IM-1 | figs. 10e, 53e |
| 21108 | R 40-42 | Jar CJ-5blv | fig. 53c |
| 21109 | R 40-64 | Jar CJ—5aiii | fig. 53h |
| 21110 | R 35-27 | Platter stand PS | - |

## A. ORIENTAL INSTITUTE MUSEUM (cont.)

| Registration Number | Cemetery, <br> Tomb, Object | Description | Figure/Plate |
| :---: | :---: | :---: | :---: |
| 21111 | R 35-42 | Platter stand PS | fig. 43 c |
| 21112 | R 35-81 | Bowl CB-1d | fig. 42 f |
| 21113 | R 35-82 | Bowl CB-1d | - |
| 21114 | R 35-51 | Bowl CB-le | figs. 1i, 42j |
| 21115 | R 35-84 | Bowl CB-4avi | figs. 1y, 42h |
| 21116 | R 35-85 | Bowl CB-5b | fig. 43b |
| 21117 | R 35-26 | Platter stand PS | - |
| 21118 | R 35-7 | Bowl CB-5b | figs. 2d, 43a |
| 21119 | R 35-24 | Bowl UA-3 | - |
| 21120 | R 35-87 | Bowl UA-3 | figs. 1d, 43e |
| 21121 | R 35-89 | Bowl CB-1? | fig. 42 g |
| 21122 | R 35-62 | Bowl CB-lc | - |
| 21123 | R 35-35 | Bowl CB-1c | fig. 42d |
| 21124 | R 35-90 | Bowl CB-3bii | fig. 42e |
| 21125 | R 35-91 | Bowl CB-3bi | - |
| 21126 | R 35-64 | Bowl CB-3bii | - |
| 21127 | R 35-74 | Bowl CB-3bi | fig. 42c |
| 21128 | R 35-14 | Bowl CB-2d | - |
| 21129 | R 35-63 | Bowl CB-1b | - |
| 21130 | R 35-55 | Bowl CB-1h | fig. 42i |
| 21131 | R 35-10 | Bowl CB-le | - |
| 21132 | R 35-93 | Bowl CB-1b | - |
| 21133 | R 35-94 | Bowl CB-1b | fig. 42 a |
| 21134 | R 35-96 | Bowl CB-4bi | figs. $1 \mathrm{z}, 42 \mathrm{~b}$ |
| 21135 | R 35-52 | Bowl | - |
| 21135 | R 35-56 | Bowl CB-1b | - |
| 21136 | R 35-76 | Bowl CB-lb | - |
| 21137 | R 35-65 | Bowl CB-1c | - |
| 21138 | R 35-70 | Bowl CB-1b | - |
| 21139 | R 35-71 | Bowl CB-1b | - |
| 21140 | R 35-1 | Miniature amphora MA-1 | figs. 9i, 43f, pl. 22a |
| 21141 | R 35-59 | Spindle bottle IM-5 | pl. 23d |
| 21142 | R 35-60 | Spindle bottle IM-5 | fig. 45c, pl. 23e |
| 21143 | R 35-36 | Jar PJ-2cvi | fig. 45d |
| 21144 | R 35-103 | Jar UJ-3a | - |
| 21145 | R 35-104 | Jar UJ-3a | fig. 44 a |
| 21146 | R 35-8 | Jar UJ-3a | fig. 44d, pl. 14a |
| 21147 | R 35-54 | Jar II-PJ-2cvii | figs. 8b, 45a |
| 21148 | R 35-72 | Jar PJ-2dii | fig. $45 \mathrm{e}, \mathrm{pl} .18 \mathrm{~g}$ |
| 21149 | R 35-61 | Jar PJ-2ciii | figs. $7 \mathrm{~s}, \mathbf{4 5 b}$ |
| 21150 | R 35-28 | Jar CJ-8biv | figs. 6h, 46a |

## A. ORIENTAL INSTITUTE MUSEUM (cont.)

| Registration Number | Cemetery, <br> Tomb, Object | Description | Figure/Plate |
| :---: | :---: | :---: | :---: |
| 21151 | R 35-75 | Jar CJ-2a | figs. 3f, 47a |
| 21152 | R 35-40 | Jar CJ-8biii | figs. $6 \mathrm{~g}, 46 \mathrm{~b}, \mathrm{pl}$ 26a |
| 21153 | R 35-41 | Jar UJ-3a | fig. 44c |
| 21154 | R 35-43 | Jar UJ-3a | - |
| 21155 | R 35-31 | Jar UJ-2d | fig. 44e |
| 21156 | R 35-37 | Jar CJ-5av | figs. 4a, 43g, pl. 27c |
| 21157 | R 35-38 | Jar CJ-6bii | fig. 47b |
| 21158 | R 35-2 | Jar CJ-10bii | fig. 43d |
| 21159 | R 35-21 | Jar UJ-3a | fig. 44b |
| 21160 | R 35-39 | Amphora AM-3b | fig. 45 f |
| 21161 | R 47-8 | Jar CJ—lc | - |
| 21162 | R 47-7 | Jar CJ-7c | figs. $6 \mathrm{c}, 64 \mathrm{f}$ |
| 21163 | R 47-12 | Jar CJ-5aiii | fig. 65a |
| 21164 | R 47-10 | Jar CJ-7b | fig. 64 g |
| 21165 | R 47-15 | Bowl CB-3bi | fig. 64d |
| 21166 | R 47-6 | Jar PJ-2bii | fig. 64e |
| 21171 | R 41-1 | Jar CJ-5aiii | fig. 54b |
| 21172 | R 44-3 | Bowl CB-1b | fig. 57 |
| 21174 | R 58-2 | Jar CJ-5aiii | fig. 71 d |
| 21175 | R 58-4 | Jar CJ-5aiii | fig. 71 a |
| 21176 | R 58-5 | Jar CJ-5aiii | fig. 71e |
| 21177 | R 56-1 | Jar CJ—5aiii | fig. 68c |
| 21178 | R 56-5 | Jar II-PJ-2a | fig. 68b |
| 21179 | R 46-5 | Bowl CB-1d | fig. 62c |
| 21180 | R 46-10 | Jar Il-PJ—2cvi | fig. 62d |
| 21181 | R 45-24 | Jar CJ—10bi | figs. $6 \mathrm{j}, 59 \mathrm{~g}$ |
| 21182 | R 45-1 | Bowl CB-1d | fig. 59d |
| 21183 | R 45-23 | Bowl CB-ld | fig. 59c |
| 21184 | R 45-21 | Jar PJ-2a | fig. 60 g |
| 21185 | R 45-29 | Jar CJ-5aiii | fig. 60 e |
| 21186 | R 45-10 | Jar IV-CJ-5avii | figs. $4 \mathrm{c}, 60 \mathrm{~d}$ |
| 21187 | R 35-79 | Scarab | fig. 12a |
| 21188 | R 35-78 | Scarab | fig. 12b |
| 21189 | R 35-77 | Scarab | fig. 11q |
| 21190 | R 35-15a | Amulet | figs. 1700, 411 |
| 21191 | R 35-16 | Hair ring/earring | fig. 41c (left) |
| 21192 | R 35-19 | Amulet | figs. 17t, 41j |
| 21193 | R 35-12 | Kohl jar II-B3b | fig. 41 i |
| 21194 | R 35-17 | Copper object | - |
| 21195 | R 35-18 | Beads | fig. 17d |
| 21196 | R 35-100 | Beads and Bes amulet | fig. 17u |

A. ORIENTAL INSTITUTE MUSEUM (cont.)

| Registration Number | Cemetery, Tomb, Object | Description | Figure/Plate |
| :---: | :---: | :---: | :---: |
| 21197 | R 35-101 | Glass object | fig. 4le |
| 21198 | R 35-33 | Pendant | figs. $17 \mathrm{gg}, 41 \mathrm{~m}$ |
| 21199 | R 35-22 | Kohl jar II-Ala | fig. 41 g |
| 21200 | R 45-36 | Stone pestle | - |
| 21201 | R 45-41 | Natural stone palette | - |
| 21202A | R 35-97 | Copper cutting-out knife or trimmer | fig. 41d |
| 21202B | R 35-99 | Copper probe | - |
| 21202C | R 35-98 | Copper probe | fig. 41 b |
| 21203 | R 45-18 | Jar CJ-5aiii | fig. 60f, pl. 15a |
| 21204 | R 46-4 | Jar PJ-2cii | fig. 62f |
| 21205 | R 45-11 | Jar PJ-2a? | fig. 59j |
| 21206 | R 45-40 | Miniature votive vessel MI | fig. 59i |
| 21207 | R 45-35 | Miniature bowl | fig. 59k |
| 21208 | R 45-33 | Miniature votive vessel MI | - |
| 21209 | R 45-34 | Miniature votive vessel MI | - |
| 21210 | R 45-25 | Miniature votive vessel MI | - |
| 21211 | R 45-13 | Bowl CB-le | fig. 59 e |
| 21223 | R 40-26 | Jar PJ-2a | figs. 71, 53d |
| 21224 | R 45-16 | Jar PJ-2civ | figs. $7 \mathrm{t}, 59 \mathrm{f}$ |
| 21225 | R 58-3 | Jar CJ—1d | figs. 3e, 70c |
| 21227 | R 35-45 | Amulet | fig. 17bb |
| 21228 | R 35-48 | Scarab | fig. 11p |
| 21229 | R 35-69 | Scarab | - |
| 21231 | R 35-46 | Hair rings/earrings | fig. 4lc |
| 21231 | R 35-47 | Hair rings/earrings | fig. 41c |
| 21259 | R 35-57 | Kohl jar IL-B3b | fig. 4lh |
| 21261 | R 35-73 | Kohl tube lid of ivory | - |
| 21262 | R 35-102 | Razor | - |
| 21263 | R 40-14 | Scarab | fig. 12e |
| 21264 | R 35-80 | Cowroid | - |
| 21265 | R 45-14a | Amulet | fig. 17jj, pl. 49b |
| 21271 | R 46-7a | Pottery kohl jar | figs. 61b |
| 21271 | R 46-7b | Tweezers | figs. 61c |
| 21273 | R 46-8 | Tweezers | fig. 61d |
| 21280 | R 56-4 | Kohl jar II-A4a | fig. 67b, pl. 39r |
| 21290 | R 40-36 | Bowl CB-le | fig. 51h |
| 21293 | R 35-34 | Beads | - |
| 21296 | R 35-13 (or R 35-32/) | Amulets and pendants | figs. 17ff, kk, 41f, pl. 49a |
| 21297 | R 35-4 | Beads | - |
| 21302 | R 35-50 | Wooden kohl tube | - |
| 21304 | R 45-39 | Stone jar | fig. 58d, pl. 39c |

A. ORIENTAL INSTITUTE MUSEUM (cont.)

| Registration Number | Cemetery, <br> Tomb, Object | Description | Figure/Plate |
| :---: | :---: | :---: | :---: |
| 21306 | R 45-37 | Mortar, stone | - |
| 21306 | R 45-38 | Pestle, natural stone | - |
| 21309 | R 45-3 | Beads | pl. 49d |
| 21310 | R 45-12 | Beads, amulets, coils | pl. 49c |
| 21311 | R 45-6 | Scarab | fig. 12 d |
| 21312 | R 45-9 | Scarab | fig. 12 f |
| 21313 | R 45-7 | Scarab | fig. 12 g |
| 21316 | S 7-18 | Bowl CB-1a | fig. 197d |
| 21317 | S 8-15 (S 7?) | Miniature amphora MA-2b | figs. 9k, 201a, pl. 22b |
| 21320 | S 5-5 | Bowl CB-4aii | fig. 192b |
| 21321 | S 5-6 | Bowl CB-4aii | fig. 192a |
| 21322 | S 5-3 | Jar CJ-8bi | fig. 192c |
| 21323 | R 35-3 | Scarab | fig. 11r |
| 21324 | R 35-5 | Amulet | figs. $17 \mathrm{v}, 41 \mathrm{k}$ |
| 21325 | R 45-22 | Scarab | fig. 12i |
| 21326 | R 45-43 | Scarab | fig. 12 h |
| 21327 | R 45-31a | Shell | - |
| 21327 | R 45-31c | Beads | fig. 17f, m |
| 21340 | S 6-1 | Bowl CB-4aii | - |
| 21341 | S 6-2 | Bowl CB-4aii | - |
| 21342 | S 6-3 | Bowl CB-4aii | fig. 194b |
| 21343 | S 6-7 | Bowl CB-4aii | - |
| 21344 | S 6-9 | Bowl CB-4aii | fig. 194c |
| 21345 | S 7-2 | Bowl CB-4bii | fig. 197e |
| 21346 | S 7-3 | Bowl CB-3aii | - |
| 21347 | S 7-17 | Bowl UA-2 | fig. 197h |
| 21348 | S 7-4 | Jar CJ-6biii | - |
| 21349 | S 8-22 | Jar UJ-3aii | figs. 2p, 201e |
| 21350 | S 7-5 | Jar Il-PJ-3 | fig. 197a |
| 21351 | R 40-57 | Kohl jar II-Albii | fig. 50c |
| 21352 | R 40-25 | Kohl jar II-A2b | fig. 50b |
| 21354 | R 45-44 | Beads | - |
| 21355 | R 45-5 | Stone jar VIII | pl. 39a |
| 21356 | R 45-31b | Awl | - |
| 21357 | R 40-43 | Gold leaf fragments | - |
| 21359 | R 40-58 | Razor | fig. 50d |
| 21361 | R 40-8 | Razor | fig. 50e |
| 21363 | R 40-7 | Plaque | fig. 12c |
| 21364 | R 40-13 | Beads | fig. 17 g |
| 21365 | R 40-69 (or R 40-48) | Body covering, including beads | - |
| 21365 | R 40-48 (or R 40-69) | Beads | fig. 17p |

## A. ORIENTAL INSTITUTE MUSEUM (cont.)

| Registration Number | Cemetery, <br> Tomb, Object | Description | Figure/Plate |
| :---: | :---: | :---: | :---: |
| 21366 | R 40-9 | Galena | - |
| 21369 | R 40-78 | Skeleton of small animal | - |
| 21373 | S 8-16 | Bowl CB-5? | fig. 200e |
| 21391 | S 8-1 | Bowl CB-5b | fig. 200b |
| 21392 | S 8-26 | Jar CJ-8a | fig. 201d |
| 21393 | S 8-3 | Juglet IM-9 | fig. 201b |
| 21394 | S 8-4 | Bowl CB-4aiii | fig. 200a |
| 21395 | S 8-5 | Bowl CB-4aiii | - |
| 21396 | S 7-10 | Bowl CB-1b | fig. 197c |
| 21397 | S 7-6 | Bowl CB-3aii | figs. 1q, 197g |
| 21409 | S 8-11 | Kohl stick | - |
| 21411 | S 8-8 | Hair rings/earrings | - |
| 21411 | S 8-9 | Hair rings/earrings | - |
| 21411 | S 8-10 | Hair rings/earrings | - |
| 21411 | S 8-33 | Bone rings | - |
| 21411 | S 8-34 | Bone rings | - |
| 21411 | S 8-35 | Bone rings | - |
| 21412 | S 8-23 | Cartonnage from coffin | - |
| 21413 | S 8-25 | Face of anthropoid coffin | - |
| 21417 | S 7-9 | Kohl jar II-A6 | fig. 196b |
| 21418 | S 8-27 | Beads | - |
| 21418 | S 8-32 | Beads | - |
| 21419 | S 8-6 | Amulet | fig. 17nn |
| 21420 | S 7-15 | Bottom of headrest | - |
| 21421 | S 8-28 | Copper object | - |
| 21422 | S 7-16 | Stone vessel rim fragments | - |
| 21562 | R 38-2 | Stand ST-3b | figs. 10p, 49 |
| 21562 | R 44-2 | Stand ST-3b | - |
| 21570 | V 50-4 | Scarab | fig. 14a |
| 21572 | V 50-5 | Kohl jar II-B3b | fig. 116b |
| 21573 | V 50-6 | Kohl jar II-B5 | figs. 10a, 116c |
| 21578 | V 50-3 | Bowl UA-la | fig. 117a |
| 21579 | V 45-2 | Bowl CB-1h | fig. 92b |
| 21580 | V 45-4 | Coarse platter CP | fig. 92c |
| 21582 | V 45-1 | Bowl CB-1h | figs. 11, 92a |
| 21600 | V 46-2 | Bowl | - |
| 21601 | V 46-1 | Bowl | - |
| 21602 | V 50-2 | Jar UJ-2b | fig. 117b, pl. 14b |
| 21603 | V 45-3 | Jar CJ-5axiv | figs. 5a, 92d, pl. 28b |
| 21612 | V 46-3 | Bowl | - |
| 21613 | V 46-4 | Bowl CB-5b | - |

NEW KINGDOM REMAINS FROM QUSTUL AND ADINDAN
A. ORIENTAL INSTITUTE MUSEUM (cont.)

| Registration Number | Cemetery, Tomb, Object | Description | FigurelPlate |
| :---: | :---: | :---: | :---: |
| 21614 | V 46-5 | Bowl CB-5b | - |
| 21623 | R 33-2 | Face from coffin | - |
| 21624 | R 40-6 | Coffin fragments | - |
| 21624 | R 40-68 | Inscribed coffin | pl. 33 |
| 21630 | V 47-2 | Kohl Jar I1-A2a | pl. 391 |
| 21631 | V 47-1 | Amulet | - |
| 21633 | V 45-5 | Beads | fig. 17e |
| 21634 | V 46-18 | Amphora IV-AM-3a | figs. $9 \mathrm{~g}, 100 \mathrm{c}, \mathrm{pl}$. 26 c |
| 21635 | V 46-15 | Jar CJ-2a | fig. 98a |
| 21636 | V 46-16 | Jar CJ—10biv alpha | figs. 7a, 95a |
| 21637 | V 46-23 | Jar CJ—8bii | figs. 6f, 95e, pl. 26b |
| 21638 | V 46-10 | Jar | fig. 100a, pl. 22c |
| 21639 | V 46-14 | Jar UJ-3b | figs. 2q, 98d, pl. 14d |
| 21640 | V 47-7 | Bowl CB-4aiii | fig. 102a |
| 21641 | V 53-2 | Bowl CB-4aiv | figs. 1w, 117d |
| 21642 | V 53-1 | Bowl CB-4aiii | fig. 117c |
| 21647 | V 54-7 | Amulet | fig. 17x, pl. 49h |
| 21648 | V 54-6 | Plaque | fig. 14d |
| 21649 | V 54-8 | Kohl stick of wood | - |
| 21661 | V 46-45 | Amphora IV-AM-3b | figs. 9h, 100b, pl. 26d |
| 21662 | V 46-32 | Bowl CB-4aii | - |
| 21663 | V 46-33 | Bowl CB-5b | fig. 97b |
| 21664 | V 46-34 | Bowl CB-5b | fig. 97c |
| 21667 | V 46-48 | Coarse platter CP | fig. 97a |
| 21668 | V 46-50 | Bowl CB-1d | fig. 96d |
| 21669 | V 46-52 | Coarse platter CP | fig. 97d |
| 21670 | V 46-53 | Jar PJ-2dvi | fig. 95b |
| 21671 | V 46-54 | Jar PJ-2dii | fig. 95d |
| 21672 | V 46-55 | Jar PJ—2dix | fig. 95c |
| 21673 | V 48-17 | Jar CJ-8a | fig. 112 c |
| 21674 | V 48-33 | Jar CJ-5axiii | fig. 111b |
| 21675 | V 48-20 | Bowl CB-4aiii | - |
| 21676 | V 48-36 | Jar CJ-6biv alpha | figs. $5 \mathrm{k}, 111 \mathrm{~d}$ |
| 21677 | V 48-39 | Jar CJ-5aiii | fig. 111c |
| 21678 | V 48-41 | Bowl UA-2 | - |
| 21679 | V 48-42 | Lid LI-? | - |
| 21680 | V 48-44 | Stand ST-1 | figs. $10 \mathrm{~m}, 109 \mathrm{e}$ |
| 21681 | V 48-35 | Stand ST-1 | - |
| 21682 | V 48-48 | Lid LI-1 | figs. 91, 109a |
| 21685 | V 55-4 | Bowl CB-2b | fig. 120 b |
| 21686 | V 56-1 | Bowl CB-5b | fig. 122a, pl. 13d |

A. ORIENTAL INSTITUTE MUSEUM (cont.)

| Registration Number | Cemetery, Tomb, Object | Description | Figure/Plate |
| :---: | :---: | :---: | :---: |
| 21687 | V 56-2 | Jar CJ—11b | figs. $7 \mathrm{e}, 122 \mathrm{~b}, \mathrm{pl} .16 \mathrm{~b}$ |
| 21688 | V 55-1 | Stela fragment | pl. 53 |
| 21694 | V 48-52 | Copper or bronze feminiform mirror | pls. 40-43, 46 |
| 21695 | V 48-54 | Copper or bronze bowl | fig. 107b, pl. 46 |
| 21696 | V 48-51 | Copper or bronze stand | fig. $107 \mathrm{~g}, \mathrm{pl} .46$ |
| 21697 | V 48-49 | Copper or bronze bowl | fig. $107 \mathrm{c}, \mathrm{pl} .46$ |
| 21698 | V 48-22 | Copper or bronze bowl | fig. 107e, pl. 46 |
| 21702 | V 48-83 | Stone handled jar VII | fig. 105d, pl. 38 f |
| 21703 | V 48-81 | Stone situla jar VI-B | fig. 106g, pl. 38h |
| 21704 | V 48-24 | Copper cutting-out knife or trimmer | fig. 106c |
| 21705 | V 48-64 | Bowl CB-7a | - |
| 21706 | V 48-61 | Bowl CB-4aiii | - |
| 21707 | V 48-113 | Bowl CB-1h | fig. 108b |
| 21708 | V 48-56 | Bowl UA-3 | fig. 109h |
| 21709 | V 48-57 | Bowl UA-3 | - |
| 21710 | V 48-70 | Bowl CB-7a | - |
| 21711 | V 48-94 | Bowl CB-1b | fig. 108a |
| 21712 | V 48-72 | Bowl CB-1d/2b | fig. 108g |
| 21713 | V 48-60 | Jar CJ-6bi | fig. 111e |
| 21714 | V 48-63 | Lid LI-3 | - |
| 21715 | V 48-68 | Lid LI-1 | fig. 109c |
| 21716 | V 48-85 | Jar PJ—5a | fig. 110c |
| 21717 | V 48-65 | Stand ST-1 | - |
| 21718 | V 48-95 | Jar PJ-3 | fig. 110e |
| 21719 | V 48-62 | Jar II-PJ-6a | figs. 9c, 110a |
| 21721 | V 48-59 | Jar CJ-6bv | figs. $5 \mathrm{~m}, 112 \mathrm{a}$ |
| 21722 | V 48-79 | Stone jar VIII | figs. $10 \mathrm{k}, 110 \mathrm{f}$ |
| 21723 | V 48-89 | Bowl UA-2 | - |
| 21724 | V 48-92 | Spindle bottle 1M-5 | - |
| 21725 | V 48-69 | Amphora AM-1 | fig. 115a |
| 21726 | V 46-65 | Bowl CB-3ai | fig. 96a |
| 21732 | V 48-93 | Spindle bottle IM-5 | fig. 110h |
| 21733 | V 48-82 | Mask of painted plaster | fig. 106d |
| 21734 | V 48-86 | Skull of small animal | - |
| 21736 | V 56-3 | Scarab | fig. $16 n$ |
| 21737 | V 48-4 | Scarab | fig. 13 m |
| 21738 | V 48-2 | Scarab | fig. 131 |
| 21739 | V 48-29 | Scarab | fig. 13p |
| 21740 | V 48-6 | Cowroid | fig. 13n |
| 21741 | V 48-1 | Scarab | fig. 13j |
| 21743 | V 46-29 | Scarab | - |

## A. ORIENTAL INSTITUTE MUSEUM (cont.)

| Registration Number | Cemetery, Tomb, Object | Description | Figure/Plate |
| :---: | :---: | :---: | :---: |
| 21744 | V 46-35 | Cowroid | fig. 13d |
| 21745 | V 46-31 | Scarab | fig. 13c |
| 21746 | V 46-41 | Plaque | fig. 13f |
| 21747 | V 46-44 | Scarab | fig. 13 g |
| 21748 | V 46-67 | Plaque | fig. 13i |
| 21749 | V 46-42 | Scarab | fig. 13h |
| 21750 | V 48-13 | "Worked wood" | - |
| 21754 | V 48-117a | Amulet | fig. 17y, pl. 49e |
| 21755 | V 48-98 | Stand ST-1 | fig. 109g |
| 21765 | V 48-25 (V 48-96?) | Kohl stick of wood | - |
| 21766 | V 48-110 | Rectangular wooden kohl tube | fig. 106e |
| 21767 | V 48-73a | Wooden "stud" possibly peg | - |
| 21768 | V 48-99 | Stone jar V | fig. 105c, pl. 38d |
| 21769 | V 48-102 | Stone jar IV | fig. 105b, pl. 38c |
| 21770 | V 48-106 | Copper or bronze bowl with handle | fig. 107a, pl. 46 |
| 21771 | V 48-108 | Copper or bronze bowl | fig. 107d, pl. 46 |
| 21772 | V 48-107 | Copper or bronze bowl | fig. 107f, pl. 46 |
| 21778 | V 46-69 | Beads | - |
| 21779 | V 46-68 | Bracelets | - |
| 21780 | V 46-17 | Hair rings/earrings | fig. 94b |
| 21781 | V 46-43 | Hair ring/earring | - |
| 21782 | V 46-70 | Amulet | fig. 17dd |
| 21783 | V 46-66 | Beads and pendant | fig. 17s |
| 21784 | V 48-23 | Amulet | fig. 17z, pl. 49 f |
| 21785 | V 48-32 | Ring of copper or bronze | - |
| 21786 | V 48-26 | Bone rings | - |
| 21786 | V 48-27 | Amulet | fig. 17aa, pl. 49g |
| 21796 | V 71-3 | Jar II-PJ-2cvi | figs. 8a, 133c |
| 21797 | V 71-4 | Jar CJ-8ci | figs. 6i, 133d |
| 21823 | V 64-1 | Jar CJ—lc | fig. 129 |
| 21824 | V 60-4 | Jar CJ-6bi | figs. 5h, 124d |
| 21825 | V 60-6 | Bowl CB-4aiii | fig. 126e |
| 21827 | V71-8 | Scarab | fig. 141 |
| 21828 | V71-9 | Oval cowroid | fig. 14 m |
| 21829 | V 71-10 | Scarab | fig. 14n |
| 21830 | V 71-11 | Scarab | fig. 140 |
| 21831 | V 71-6 | Kohl jar II-B5 | fig. 132d, pl. 39o |
| 21832 | V 66-4 | Scaraboid | fig. 14 j |
| 21833 | V 66-5 | Scarab | fig. 14k |
| 21836 | V 74-4 | Shells on string | - |
| 21836 | V74-5 | Beads | - |

## A. ORIENTAL INSTITUTE MUSEUM (cont.)

| Registration Number | Cemetery, Tomb, Object | Description | FigurelPlate |
| :---: | :---: | :---: | :---: |
| 21837 | V 65-1 | Beads | - |
| 21838 | V 60-22 | Jar PJ-2ci? | fig. 126a, pl. 18e |
| 21845 | V 66-6 | Bowl CB-1d | fig. 131a |
| 21852 | V 75-5 | Kohl jar Il-B2b | fig. 143b |
| 21861 | V 60-27 | Jar CJ—10biv beta | figs. 7b, 125a, pl. 17d |
| 21862 | V 60-12 | Bowl UA-3 | fig. 126c, pl. 11b |
| 21863 | V 60-16 | Bowl CB-4aiii | fig. 126b |
| 21864 | V 60-25 | Bowl CB-4aiii | - |
| 21867 | V 73-5 | Jar II-PJ—3 | figs. 80, 140a, pl. 19d |
| 21868 | V 73-7 | Jar CJ—7c | fig. 140c |
| 21869 | V73-9 | Bowl CB-4av | fig. 139d |
| 21870 | V 74-3 | Bowl CB-3bi | fig. 142 |
| 21871 | V 75-2 | Jar II-PJ—2diii alpha | figs. 8d, 144a, pl. 18h |
| 21876 | V 60-23 | Jar SP-3 | figs. 10c, 124c, pl. 16c |
| 21888 | V 69-4 | Amulets | pl. 49i |
| 21892 | V 69-5 | Amulet | pl. 49j |
| 21902 | V 72B-1 | Bowl CB-3aii | fig. 135b |
| 21903 | V 72B-2 | Lid LI-3 | fig. 135c |
| 21904 | V 72B-9 | Jar II-PJ—2ciii | fig. 136e |
| 21905 | V 72B-10 | Jar II-PJ-2ciii | fig. 136 g |
| 21906 | V 72B-12 | Bowl CB-1d | fig. 136d |
| 21907 | V 72B-7 | Jar CJ-1a | fig. 135e |
| 21908 | V 72B-3 | Bowl CB-1d | - |
| 21909 | V 73-8 | Jar II-PJ-2dvi | fig. 139a |
| 21910 | V 76-4 | Jar PJ-2ciii or 2di | fig. 146a, pl. 18d |
| 21911 | V 48-76 | Jar CJ-5axiii | fig. 111a |
| 21912 | V 48-11 | Bowl CB-4aiii | - |
| 21913 | V 48-19 | Bowl CB-5b | fig. 108h |
| 21914 | V 48-18 | Bowl CB-4aiii | fig. 108d |
| 21915 | V 48-101 | Platter stand PS | fig. 109b |
| 21916 | V 48-43 | Bowl CB-1d | fig. 108i |
| 21917 | V 48-40 | Stand ST-1 | - |
| 21918 | V 48-46 | Bowl CB-4aiii | - |
| 21919 | V 48-10 | Bowl CB-4aiii | fig. 108f |
| 21920 | V 48-21 | Bowl CB-3ai | fig. 108e |
| 21921 | V 48-87 | Bowl CB-7a | figs. 2f, 108c |
| 21922 | V 48-88 | Bowl CB-7a | - |
| 21923 | V 48-47 | Bowl UA-3 | - |
| 21924 | V 48-34 | Jar CJ-5axii | figs. 4h, 114b |
| 21925 | V 48-3 | Jar UJ-3b | fig. 113b |
| 21926 | V 48-100 | Jar UJ-2c | fig. 113a |

A. ORIENTAL INSTITUTE MUSEUM (cont.)

| Registration Number | Cemetery, Tomb, Object | Description | Figure/Plate |
| :---: | :---: | :---: | :---: |
| 21927 | V 48-74 | Bowl UA-2 | - |
| 21928 | V 48-91 | Bowl UA-1b | - |
| 21929 | V 48-55 | Bowl UA-? | fig. 109 f |
| 21930 | V 48-37 | Bowl UA-2 | - |
| 21931 | V 48-66 | Bowl UA-2 | - |
| 21932 | V 48-67 | Bowl UA-2 | figs. 1c, 109d |
| 21933 | V 48-77 | Jar CJ-5aix | fig. 113c |
| 21934 | V 48-38 | Amphora AM-1 | figs. 9e, 115b |
| 21935 | V 48-103 | Jar CJ-5axii | fig. 114a |
| 21936 | $\checkmark 48-45$ | Jar CJ-6ai | figs. 5f, 112b |
| 21937 | V 60-21 | Scarab | fig. 14b |
| 21938 | V 60-30 | Scarab | fig. 14h |
| 21952 | V 72B-26 | Jar CJ-5? | fig. 137c |
| 21953 | V 72B-19 | Jar II-PJ-2bi | fig. 137a |
| 21954 | V 72B-28 | Jar II-PJ-2ci | fig. 136f |
| 21955 | V 72B-29 | Jar IV-CJ-5aiii | fig. 137e, pl. 15e |
| 21956 | V 76-18 | Jar CJ-5axi | figs. $4 \mathrm{~g}, 146 \mathrm{e}$ |
| 21957 | V 82-3 | $\mathrm{Jar} \mathrm{CJ}-8 \mathrm{a}$ | fig. 153d |
| 21958 | $\vee 76-17$ | Stand ST-3a | figs. $10 \mathrm{o}, 148 \mathrm{~h}$ |
| 21959 | $\vee 72 \mathrm{~B}-21$ | C-Group bowl | fig. 135d, pl. 29a |
| 21960 | V 81-6 | Bowl CB-7b | fig. 151e, pl. 13c |
| 21962 | V 60-26 | Tweezers | fig. 123c |
| 21964 | V 60-17 | Kohl jar II-A | fig. 123b |
| 21971 | V 72B-34 | Jar PJ-1a | figs. $7 \mathrm{~g}, 135 \mathrm{~g}$ |
| 21972 | V 76-7 | Pilgrim flask IM-7a | figs. 10g, 147b, pl. 24c |
| 21973 | V 82--2 | Jar PJ-2dix | figs. 8n, 153a |
| 21975 | V 60-8 | Plaque | fig. 14 g |
| 21976 | V 60-29 | Plaque | fig. 14e |
| 21977 | V 60-39 | Beads | - |
| 21979 | V 81-19 | Jar PJ-2dviii | figs. $8 \mathrm{~m}, 15 \mathrm{la}$ |
| 21980 | V 73-3 | Scarab | fig. 15b |
| 21981 | V 73-17 | Scarab | fig. 15c |
| 21982 | V 73-6 | Kohl jar II—A2b | fig. 138b, pl. 39n |
| 21983 | V 73-18 | Kohl jar II-A4a | fig. 138c |
| 21984 | V 79-2 | Scarab | fig. 15h |
| 21985 | V 81-3 | Kohl jar II-B4b | fig. 150c |
| 21986 | V 81-22 | Alabaster jar III | fig. 150b, pl. 39b |
| 21987 | V 72B-16 | Stone vessel I | fig. 134e, pl. 38a |
| 21988 | $V 72 \mathrm{~B}-15$ | Kohl jar II-A4a | fig. 134c, pl. 39u |
| 21989 | V 72B-8 | Kohl jar II-B3a | fig. 134b, pl. 39p |
| 21990 | V 72B-33 | Stone jar VIA | fig. 134d, pl. 38b |

## A. ORIENTAL INSTITUTE MUSEUM (cont.)

| Registration Number | Cemetery, Tomb, Object | Description | FigurelPlate |
| :---: | :---: | :---: | :---: |
| 21991 | V 72B-22 | Mirror | fig. 134f |
| 21992 | V 72B-35 | Scarab | fig. 14r |
| 21993 | V 76-10 | Scarab | fig. 15f |
| 21994 | V 72B-37 | Scarab | fig. 15a |
| 21995 | V 72B-23 | Scarab | fig. 14q |
| 21996 | V 72B-17 | Scarab | fig. 14p |
| 21998 | V 72B-4 | Razor | - |
| 21999 | V 72B-38 | Beads | - |
| 22003 (?) | V 83-9 | Jar PJ—2div beta | fig. 156b |
| 22004 | V 76-29 | Jar II-PJ—5b | figs. $9 \mathrm{~b}, 146 \mathrm{~d}, \mathrm{pl} .20 \mathrm{c}$ |
| 22005 | V 76-30 | Jar II-PJ-4 | fig. 147d, pl. 19a |
| 22006 | V 76-23 | Jar II-PJ—2ciii | fig. 146c, pl. 18a |
| 22007 | V 76-24 | Jar II-PJ-3 | fig. 147c, pl. 19c |
| 22008 | V 76-31 | Jar II-PJ-4 | fig. 147e, pl. 19e |
| 22009 | V 76-21 | Jar II-PJ-4 | figs. 8p, 147a, pl. 19b |
| 22010 | V 83-8 | Jar PJ-5a | fig. 156d |
| 22023 | V 76-41 | Cowroid | fig. 15 g |
| 22024 | V 76-3 | Scarab | fig. 15d |
| 22040 | V 83-11 | Kohl jar II-A2a | fig. 154c, pl. 39k |
| 22041 | V 76-11 | Kohl jar II-A5/6 | fig. 145b, pl. 39t |
| 22042 | V 76-1 | Kohl jar II-B3a | fig. 145c, pl. 39m |
| 22052 | V 76-39 | Bowl CB-lc | fig. 148e |
| 22053 | V 83-12 | Jar CJ—7c | fig. 155c |
| 22054 | V 83-13 | Jar CJ-7a | figs. 6a, 155b |
| 22059 | V 48-78 | Amphora IV-AM-2 | figs. 9f, 115c |
| 22062 | V 83-14 | Bowl CB-le | fig. 156 f |
| 22063 | V 83-19 | Scaraboid/bi-parabolic cowroid | fig. 151 |
| 22064 | V 83-17 | Kohl jar II-A4a | fig. 154b, pl. 39j |
| 22065 | V 83-18 | "Vessel stopper" | - |
| 22069 | V 76-25 | Copper/bronze cylindrical object | fig. 145d |
| 22070 | V 76-12 | Kohl tube of wood | - |
| 22071 | V 76-19 | Beads and fragment of gold leaf | - |
| 22072 | V 76-9 | Mask | pl. 35c |
| 22073 | V 76-35 | Coffin with plaster mask | - |
| 22074 | V 76-2 | Mask | pl. 35b |
| 22082 | V 93-13 | Jar II-PJ-2ciii-iv | fig. 162b |
| 22083 | V 93-19 | Bowl CB-1d | fig. 162e |
| 22084 | V 93-14 | Miniature amphora MA-2a | figs. 9j, 163c |
| 22085 | V 93-17 | Bowl CB-3aiii | fig. 162 f |
| 22094 | V 92-2 | Jar 1-PJ-2dii | fig. 160e |
| 22095 | V 92-4 | Bowl CB-3bi | fig. 160 g |

## A. ORIENTAL INSTITUTE MUSEUM (cont.)

| Registration Number | Cemetery, Tomb, Object | Description | Figure/Plate |
| :---: | :---: | :---: | :---: |
| 22096 | V 92-6 | Bowl CB-7a | fig. 160h |
| 22097 | V 92-8 | Jar PJ-2civ | fig. 160b |
| 22098 | V 92-11 | Jar I—PJ—2di | figs. 8c, 160c |
| 22099 | V 93-11 | Jar PJ-2dvii | figs. 81, 162a |
| 22100 | V 93-5 | Jar PJ-2dii | - |
| 22101 | V 92-12 | Kohl jar II-B2b | fig. 159b |
| 22102 | V 92-9 | Kohl jar II-A3a | fig. 159c |
| 22103 | V 92-1 | Scarab | fig. 15m |
| 22104 | V 92-10 | Scarab | fig. 15 n |
| 22105 | V 97-15 | Plaque | fig. 150 |
| 22120 | V 97-2 | X-Group cup | - |
| 22121 | V 97-1 | X-Group lamp | - |
| 22122 | V 97-9 | Bowl CB-3ai | fig. 166d |
| 22124 | V 97-12 | Jar PJ-2dii | fig. 166e |
| 22125 | V 97-10 | Bowl CB—3bii | fig. 166c |
| 22126 | V 97-7 | Jar CJ—llc | figs. $7 \mathrm{f}, 166 \mathrm{~g}$ |
| 22127 | V 93-2 | Bowl CB-1c | fig. 162c |
| 22163 | V 93-10 | Part of whetstone or palette | - |
| 22164 | V 93-6 | Kohl jar | fig. 161c, pl. 39s |
| 22165 | V 93-9 | Kohl jar II—B | fig. 161b |
| 22166 | V 93-16 | Skeleton of rodent | - |
| 22179 | R 40-16 | Bowl CB-lb | - |
| 22180 | R 40-32 | Bowl CB-lb | - |
| 22181 | R 63-2 | Bowl CB-lc | fig. 74 |
| 22182 | S 8-20 | Platter stand PS | - |
| 22182 | S 8-36 | Bowl | - |
| 22182 | S 8-29 | Bowl | fig. 200c |
| 22183 | R 46-3 | Bowl CB-1c | figs. $7 \mathrm{~m}, 62 \mathrm{a}$ |
| 22184 | S 8-30 | Bowl CB-5b | fig. 200d |
| 22185 | V76-6 | Bowl CB-1b-c | - |
| 22186 | R 40-60 | Bowl CB-3biii | figs. 1t, 52b |
| 22187 | R 40-73 | Bowl CB-ld | fig. 52 d |
| 22188 | R 40-77 | Bowl CB-lc | fig. 51f |
| 22189 | R 40-76 | Bowl CB-lc | - |
| 22190 | R 40-52 | Bowl CB-1c | - |
| 22191 | R 40-17 | Bowl CB-1h | fig. 52a |
| 22192 | V 55-7 | Bowl UA-3 | - |
| 22193 | V 55-5 | Bowl UA-3 | fig. 120c |
| 22194 | V 54-4 | Bowl UA-3 | fig. 118b |
| 22195 | V 55-8 | Bowl UA-3 | - |
| 22196 | V 82-7 | Bowl CB-4aiii | fig. 153b |

## A. ORIENTAL INSTITUTE MUSEUM (cont.)

| Registration Number | Cemetery, Tomb, Object | Description | FigurelPlate |
| :---: | :---: | :---: | :---: |
| 22197 | V 46-60 | Bowl CB-3ai | figs. 1p, 96c |
| 22198 | V 81-10 | Bowl CB-3bi | - |
| 22199 | V 60-2 | Bowl CB-4aiii | fig. 126d |
| 22200 | V 72B-13 | Bowl CB-1f | figs. 1j, 136a |
| 22201 | V 60-5 | Bowl CB-4aiii | - |
| 22202 | V 76-14 | Bowl CB-1b | - |
| 22203 | V 81-18 | Bowl CB-3bi | fig. 151c, pl. 13a |
| 22204 | V 82-5 | Bowl CB-1h | fig. 153c |
| 22205 | V 54-3 | Bowl CB-lc | fig. 118a |
| 22206 | V 55-6 | Bowl CB-4aiii | fig. 120a |
| 22207 | V 73-15 | Bowl CB-1d | fig. 139c |
| 22208 | V 81-1 | Bowl CB-le | fig. 151d |
| 22209 | V 72B-11 | Bowl CB-2b | fig. 136c, pl. 12c |
| 22210 | V 73-16 | Bowl CB-1d | fig. 139b |
| 22211 | V 71-7 | Bowl CB-lc | fig. 133b |
| 22212 | V 60-7 | Bowl CB-4aiii | pl. 12a |
| 22213 | V 60-18 | Bowl CB-4aiii | - |
| 22214 | R 40-22 | Bowl CB-la | figs. 1e, 51a |
| 22215 | R 47-14 | Bowl CB-la | fig. 64a |
| 22216 | V 76-15 | Bowl CB-1d | fig. 148 f |
| 22217 | V76-16 | Bowl CB-ld | fig. 148i |
| 22219 | S 6-8 | Bowl CB-4aii | fig. 194d |
| 22220 | S 6-10 | Bowl CB-4aii | - |
| 22221 | R 29-47 | Bowl CB-1d | figs. $1 \mathrm{~h}, 30 \mathrm{j}$ |
| 22222 | R 40-74 | Bowl CB-1h | fig. 51 j |
| 22223 | R 40-75 | Bowl CB-1d | fig. 52c |
| 22224 | R 40-50 | Bowl CB-2a | fig. 51n |
| 22225 | R 40-31 | Bowl CB-4bii | fig. 51k |
| 22226 | S 6-4 | Bowl CB-4aii | fig. 194a |
| 22227 | S 6-6 | Bowl CB-4aii | - |
| 22228 | V 60-10 | Bowl CB-4aiii | - |
| 22229 | V 72B-27 | Bowl CB-3bi | fig. 135a |
| 22230 | V 81-15 | Bowl CB-2a | fig. 151b |
| 22231 | V 60--24 | Bowl CB-4aiii | - |
| 22232 | V 60-13 | Bowl CB-4aiii | - |
| 22233 | V 81-9 | Bowl CB-1d | fig. 151f, pl. 12b |
| 22234 | R 47-9 | Bowl CB-3bi | fig. 64b |
| 22236 | R 29-26 | Bowl CB-3bii | - |
| 22237 | R 56-3 | Bowl CB-3bi | fig. 68a |
| 22238 | R 61-1 | Bowl CB-3bi | fig. 72a |
| 22239 | R 29-62 | Bowl CB-6 | figs. 2e, 30d |

A. ORIENTAL INSTITUTE MUSEUM (cont.)

| Registration Number | Cemetery, <br> Tomb, Object | Description | Figure/Plate |
| :---: | :---: | :---: | :---: |
| 22240 | R 29-59 | Bowl CB-4biv | figs. 2b, 30b |
| 22241 | R 29-11 | Bowl CB-3bii | - |
| 22242 | R 45-26 | Bowl CB-1b | fig. 59a |
| 22243 | R 29-33 | Bowl | fig. 30c |
| 22244 | R 46-6 | Bowl CB-4bii | fig. 62b |
| 22245 | R 47-3 | Bowl CB-3bi | - |
| 22246 | R 40-40 | Bowl CB-3bii | - |
| 22247 | R 29-22 | Bowl CB-3bi | - |
| 22248 | R 25-3 | Bowl CB-3bi | figs. 1r, 28b |
| 22249 | R 25-4 | Bowl CB-3bi | fig. 28c |
| 22250 | R 40-51 | Bowl CB-1b/2a | - |
| 22251 | V 97-14 | Bowl CB-3bi | fig. 166a |
| 22252 | V 97-4 | Bowl CB-3bii | fig. 166 f |
| 22253 | V 94-3 | Bowl CB-4aiii | fig. 165 a |
| 22254 | V 76-38 | Bowl CB-3ai | fig. 148d |
| 22255 | V 76-36 | Bowl CB-lc | - |
| 22256 | V 92-7 | Bowl CB-1h | fig. 160f |
| 22257 | V 92-5 | Bowl CB-3biii | fig. 160a |
| 22258 | R 47-2 | Bowl CB-1c | fig. 64c |
| 22259 | V76-22 | Bowl CB-4aii | - |
| 22260 | V76-37 | Bowl CB-4aiii | fig. 148b |
| 22261 | V 76-34 | Bowl CB-1b | fig. 148a |
| 22262 | R 29-48 | Bowl CB-3bii | figs. 1aa, 30 g |
| 22263 | R 29-60 | Bowl CB-4bii | fig. 30 i |
| 22264 | R 40-5 | Bowl CB-3bi | fig. 51g, pl. 13b |
| 22265 | R 29-5 | Bowl CB-3bi | - |
| 22266 | R 58-1 | Bowl CB-4biii | figs. 2a, 70a |
| 22267 | R 45-27 | Bowl CB-3bi | fig. 59b |
| 22268 | R 29-6 | Bowl CB-3bii | figs. 1s, 30 f |
| 22269 | V 92-3 | Bowl UA-2 | fig. 160d |
| 22270 | V76-33 | Bowl CB-ld | fig. 148j |
| 22271 | V76-40 | Bowl CB-1d | fig. 148g |
| 22272 | V 93-18 | Bowl CB-2b | fig. 162d |
| 22273 | V 83-4 | Bowl CB-ld | fig. 156e |
| 22274 | V 76-32 | Bowl, UA-3 | fig. 148c, pl. 11a |
| 22275 | V 93-12 | Bowl UA-lb | figs. 1b, 163a |
| 22276 | S 7-13 | Bowl CB-1b | - |
| 22277 | R 33-9 | Bowl UA-3 | fig. 38a |
| 22278 | V 47-5 | Bowl UA-2-3 | fig. 102b |
| 22279 | S 7-12 | Bowl UA-2 | - |
| 22280 | V 46-57 | Bowl UA-2 | fig. 96b |

## A. ORIENTAL INSTITUTE MUSEUM ( cont.)

| Registration Number | Cemetery, Tomb, Object | Description | Figure/Plate |
| :---: | :---: | :---: | :---: |
| 22281 | R 40-39 | Jar PJ—2dv | figs. $8 \mathrm{j}, 52 \mathrm{j}$ |
| 22282 | V 72B-25 | Jar II-PJ-2cv or vi | fig. 136b |
| 22283 | R 46-3 | Jar II-PJ-2bi | fig. 62e |
| 22284 | V 48-114 | Jar II—PJ-2cvi | fig. 110d |
| 22285 | R 40-41 | Jar PJ-2bii | figs. $7 \mathrm{n}, 5 \mathrm{~h}$ |
| 22286 | V 72B-14 | Jar PJ-2div alpha | figs. $8 \mathrm{~g}, 135 \mathrm{f}$ |
| 22287 | R 40-56 | Jar II-PJ-2biv | figs. $7 \mathrm{p}, 52 \mathrm{~g}$ |
| 22288 | V 97-13 | Jar Il-PJ-2ciii | fig. 166b |
| 22289 | R 58-7 | Jar II-PJ-2c | fig. 70b |
| 22290 | R 32-7 | Jar II-PJ—2? | fig. 36a |
| 22294 | R 43-7 | Jar CJ-8a | figs. 6d, 56e |
| 22295 | V 46-56 | Jar CJ—5aix | figs. 4e, 99a |
| 22296 | V 75-3 | Jar CJ-5aiii | fig. 144b |
| 22297 | V 66-3 | Jar CJ—5aiii | fig. 131c, pl. 15d |
| 22298 | V 73-11 | Jar CJ—5aiii | fig. 140b |
| 22299 | V 73-e | Jar CJ-5aviii | fig. 140d |
| 22300 | V 81-24 | Jar CJ-5aii | fig. 152b |
| 22301 | V 66-1 | Jar CJ-5aiii | fig. 131b |
| 22302 | V 72B-20 | Jar CJ-5aiii | - |
| 22303 | R 47-11 | Jar CJ—5bi | figs. 5b, 65c |
| 22304 | V 83-7 | Jar CJ-5aiii | - |
| 22305 | V 66-2 | Jar CJ-5avi | fig. 131d |
| 22306 | R 45-15 | Jar CJ-5aiii | - |
| 22307 | V 72B-30 | Jar CJ-5aiii | fig. 137b |
| 22308 | V 81-17 | Jar CJ-5ai | - |
| 22309 | R 46-1 | Jar CJ-5aiii | fig. 62 g |
| 22310 | V 74-2 | Jar CJ-5aiii | - |
| 22311 | R 45-19 | Jar CJ—5bi | fig. 59h |
| 22312 | V 75-4 | Jar CJ-5aiii | - |
| 22313 | R 52-1 | Jar CJ-5aiii | fig. 66 |
| 22314 | R 46-9 | Jar CJ-5aiii | fig. 62 h |
| 22315 | V 72B-31 | Jar CJ-5aiii | fig. 137d |
| 22316 | V 81-5 | Jar CJ—5ai | figs. 3h, 152a |
| 22317 | V71-5 | Jar CJ-5aiii | fig. 133e |
| 22318 | R 45-28 | Jar CJ-5aiv | figs. $3 \mathrm{k}, 60 \mathrm{~b}$ |
| 22319 | V71-1 | Jar CJ-5aiii | fig. 133a, pl. 15b |
| 22320 | R 58-9 | Jar CJ-5ai | fig. 71b |
| 22321 | R 45-4 | Jar CJ-5av | fig. 60 a |
| 22322 | V 83-5 | Jar CJ-5aiii | fig. 156c |
| 22323 | V 83-6 | Jar CJ-5aiii | fig. 155a |
| 22324 | R 58-8 | Jar CJ-5aii | figs. 3i, 71c |

A. ORIENTAL INSTITUTE MUSEUM (cont.)

| Registration Number | Cemetery, Tomb, Object | Description | FigurelPlate |
| :---: | :---: | :---: | :---: |
| 22325 | R 58-6 | Jar CJ-5aiii | - |
| 22326 | R 56-2 | Jar CJ-5aiii | - |
| 22328 | R 29-7 | Jar CJ-5aiii | fig. 32a |
| 22331 | S 7-19 | Jar CJ-5axiii | - |
| 22332 | S 7-8 | Jar CJ—5ax | fig. 198a |
| 22333 | S 7-14 | Jar CJ—5axiii | fig. 198b |
| 22334 | R 40-65 | Jar CJ-6biii | fig. 53f |
| 22335 | V 83-3 | Jar | fig. 156a |
| 22336 | R 61-2 | Jar CJ-6biii | fig. 72b, pl. 27a |
| 22337 | R 29-42 | Jar | fig. 34b, pl. 27b |
| 22338 | R 40-3 | Jar CJ-6aii? | figs. $5 \mathrm{~g}, 53 \mathrm{~g}$ |
| 22339 | R 29-43 | Jar | - |
| 22340 | R 29-44 | Jar | fig. 32d |
| 22341 | R 29-45 | Jar CJ-6biv beta | figs. 51, 32b |
| 22342 | V 46-58 | Jar CJ—5ax | figs. 4f, 99b |
| 22343 | V 55-9 | Jar | pl. 28d |
| 22344 | V 46-47 | Jar UJ-3a | fig. 98b |
| 22345 | S 8-31 | Jar UJ-3ai | figs. 20, 201c |
| 22346 | V 81-23 | Jar CJ—lc | fig. 152c |
| 22347 | R 47-13 | Jar CJ—lc | figs. 3d, 65b |
| 22348 | V 60-14 | Jar UJ-2a | - |
| 22349 | V 47-8 | Jar UJ-2c | - |
| 22350 | V 60-15 | Jar UJ-2a | fig. 124b |
| 22351 | V 60-19 | Jar UJ-2b | fig. 124e |
| 22352 | V 60-11 | Jar UJ-2b | pl. 14c |
| 22353 | V 94-2 | Jar UJ-2b | fig. 165c |
| 22354 | V 60-9 | Jar UJ-2a | fig. 124a |
| 22355 | V 93-1 | Jar UJ-2c | fig. 163b |
| 22356 | V 47-9 | Jar UJ-2c | fig. 102c |
| 22357 | R 29-8 | Jar UJ-2a | fig. 33c |
| 22358 | V 94-1 | Jar UJ-2b | fig. 165b |
| 22359 | S 7-1 | Jar UJ-2b | fig. 197b |
| 22360 | V 46-51 | Jar UJ-3c | figs. 3a, 98c |
| 22365 | S 8-21 | Jar UJ-2c? | - |
| 22366 | V 60-1 | Jar SP—2 | figs. 10b, 125b |
| 22367 | V 50-7 | Wig of braided hair | - |
| 22368 | V 48-112 | Coffin | fig. 106b |
| 22369 | V 48-105 | Coffin | pls. 30, 31a, b, 32a, b |
| 22981 | K 1-3 | Scarab | fig. 16a |
| 22983 | K 1-1 | Jar CJ-5avi | fig. 174b |
| 22984 | K 1-2 | Bowl CB-1d | fig. 174a |

## A. ORIENTAL INSTITUTE MUSEUM (cont.)

| Registration Number | Cemetery, Tomb, Object | Description | FigurelPlate |
| :---: | :---: | :---: | :---: |
| 22985 | K 2-1 | Jar CJ-5aiii | fig. 176c |
| 22986 | K 2-2 | Jar IV-CJ-5aiii | fig. 176e |
| 22987 | K 2-3 | Bowl CB-3bi | - |
| 22988 | K 2-4 | Cowroid | fig. 16b |
| 22989 | K 2-5 | Scarab | fig. 16c |
| 22990 | K 10-2 | Kohl jar II-B4b | fig. 178 |
| 22991 | K 18-2 | Kohl jar II-B3a | fig. 180 |
| 22992 | K 21-1 | Kohl jar II-A4a | fig. 182, pl. 39i |
| 22993 | K 31-4 | Kohl jar II-B1 | fig. 183b |
| 22994 | K 2-6 | Jar CJ-5aiii | fig. 176d |
| 22995 | K 2-7 | Bowl CB-3bi | fig. 176a |
| 22996 | K 2-8 | Bowl CB-3bii | fig. 176b |
| 22999 | K 5-1 | Jar UJ-3c | fig. 177b |
| 23000 | K 5-2 | Bowl CB-3bi | fig. 177a |
| 23001 | K 10-1 | Jar PJ-2d? | fig. 179a |
| 23002 | K 12-1 | Jar II-PJ-2ciii | fig. 179b |
| $23003 \mathrm{n} / \mathrm{a}$ | K 31-8 | Fish seal | - |
| 23004 n/a | K 31-5 | Scarab | - |
| 23005 | K 31-7 | Scarab | fig. 16e |
| 23006 | K 31-12 | Scarab | fig. 16 i |
| 23007 | K 31-13 | Cowroid | fig. 16j |
| 23012 | K 31-9 | Scarab | fig. 169 |
| 23013 | K 31-10 | Plaque | fig. 16 g |
| 23014 | K 31-11 | Scarab | fig. 16h |
| 23015 n/a | K 31-14 | Scarab | - |
| 23016 | K 31-16 | Scarab | fig. 161 |
| 23017 | K 31-15 | Scarab | fig. 16k |
| 23018 | K 31-3 | Razor | fig. 183d |
| 23021 | K 18-1 | Scarab | fig. 16d |
| 23042 | K 18-4 | Jar CJ—lc | fig. 181b |
| 23043 | K 18-3 | Jar CJ--5aiii | fig. 181a |
| 23044 | K 18-5 | Stand ST-? | - |
| 23045 | K 31-2 | Jar CJ-5bi | fig. 184 |
| 23059 | K 31-6 | Needle | fig. 183c |
| 23060 | K 31-17 | Beads and amulets | fig. 17 mm |
| 23104 | K 50-5 | Stand ST-3b | fig. 187d |
| 23106 | K 50-15 | Jar PJ—2bi | fig. 186e |
| 23107 | K 50-19 | Jar SP-5 | figs. 10d, 186d |
| 23108 | K 50-8 | Bowl CB-5a | figs. 2c, 186f |
| 23109 | K 50-4 | C-Group bowl | - |
| 23110 | K 50-11 | Miniature votive vessel MI | fig. 186b |

A. ORIENTAL INSTITUTE MUSEUM (cont.)

| Registration Number | Cemetery, <br> Tomb, Object | Description | FigurelPlate |
| :---: | :---: | :---: | :---: |
| 23114 | K 50-6 | Jar PJ-2cii | figs. $7 \mathrm{r}, 186 \mathrm{c}$ |
| 23115 | K 50-1 | Jar CJ-5aviii | figs. 4d, 187e |
| 23116 | K 50-3 | Jar CJ-6biv alpha | fig. 187c |
| 23117 | K 50-12 | Jar IV-CJ-6bi | fig. 187a |
| 23119 | K 50-2 | Bowl CB-3bi | fig. 186h |
| 23120 | K 50-13 | Jar CJ-10bii | fig. 186a |
| 23121 | K 50-14 | Jar IV-CJ-5c | figs. $5 \mathrm{e}, 187 \mathrm{~b}$ |
| 23122 | K 65-4 | Jar CJ-2b | figs. $3 \mathrm{~g}, 190 \mathrm{~g}$ |
| 23126 | K 65-9 | Jar CJ—1b | fig. 190f |
| 23127 | K 50-21 | Bowl CB-5a | fig. 186g |
| 23138 | K 50-7 | Stone jar III | fig. 185b |
| 23139 | K 50-16 | Kohl jar II-B3a | fig. 185a |
| $23140 \mathrm{n} / \mathrm{a}$ | K 64-1 | Scarab | - |
| 23173 | K 65-5 | Jar II-PJ-2cv | figs. $7 \mathrm{u}, 190 \mathrm{~b}$ |
| 23174 | K 65-18 | Jar II-PJ—2cii | fig. 190e |
| 23176 | K 65-13 | Jar PJ-2cvi | fig. 190d |
| 23177 | K 65-16 | Bowl CB-3bi | fig. 189d |
| 23178 | K 65-10 | Bowl CB-3bi | fig. 189c |
| 23179 | K 65-6 | Bowl | fig. 189a |
| 23180 | K 65-8 | Bowl CB-3bi | fig. 189b |
| 23181 | K 65-11 | Jar UJ-1 | fig. 190i |
| 23182 | K 65-12 | Jar PJ-2div beta | fig. 190c |
| 23183 | K 65-14 | Miniature votive vessel MI | fig. 190a |
| 23184 | K 65-15 | Miniature votive vessel MI | - |
| 23185 | K 65-17 | Jar | - |
| 23186 | K 65-7 | Jar CJ-6bii | fig. 190h |
| 23422 | R 75-9 | Beads | - |
| 23423 n/a | R 75-6 | Scarab | - |
| 23424 | R 85-2 | Beads | - |
| 23491 | R 83-1 | Jar CJ-10biii | figs. 61, 83a, pl. 17c |
| 23492 | R 79-12 | Jar 1I-PJ—2ciii | fig. 81c |
| 23493 | R 84-28 | Jar II-PJ—1c | figs. 7i, 86c |
| 23494 | R 79-13 | Bowl CB-3bii | fig. 80a |
| 23495 | R 76-12 | Bowl CB-3Ai | fig. 78d |
| 23496 | R 76-9 | Bowl CB-4aiii | fig. 78 e |
| 23497 | R 76-5 | Bowl CB-4aii | figs. $1 \mathrm{u}, 78 \mathrm{~b}$ |
| 23498 | R 76-4 | Bowl CB-3bi | fig. 78a |
| 23499 | R 76-3 | Bowl CB-3biii | fig. 78c |
| 23500 | R 76-2 | Jar UJ-2c | figs. 21, 78g |
| 23504 n/a | R 94-1 | Hair ring/earring | - |
| 23505 | R 75-18 | Pendants | - |

## A. ORIENTAL INSTITUTE MUSEUM (cont.)

| Registration Number | Cemetery, Tomb, Object | Description | Figure/Plate |
| :---: | :---: | :---: | :---: |
| 23505 | R 75-19 | Fragment of galena | - |
| 23505 | R 75-8 | Pendants | fig. 17ee |
| 23505 | R 75-8 | Pendants | fig. 17hh |
| 23506 | R 75-7 | Scarab | fig. 12k |
| 23507 n/a | R 84-10 | Scarab | - |
| $23508 \mathrm{n} / \mathrm{a}$ | R 91-1 | Scarab | - |
| 23509 | R 84-2 | Kohl jar II—B | pl. 39d |
| 23510 | R 76-8 | Hematite kohl stick | - |
| 23510 | R 76-7 | Kohl jar II—B3b | fig. 77b |
| 23511 | R 79-9 | Tweezers | fig. 79c |
| 23512 | R 79-8 | Kohl jar II-B3b | fig. 79b |
| $23516 \mathrm{n} / \mathrm{a}$ | R 94-19 | Hair ring/earring | - |
| 23518 | R 94-27 | Scarab | fig. 12n |
| $23519 \mathrm{n} / \mathrm{a}$ | R 94-12 | Amulet | - |
| 23520 | R 94-26 | Amulet | fig. 17cc |
| 23521 | R 94-23 | Base of headrest | fig. 91a, pl. 37b |
| 23521 | R 94-28 | Top of headrest | fig. 91a, pl. 37b |
| 23522 | R 94-24 | Headrest | fig. 91c |
| 23523 | R 94-22 | Base of headrest | fig. 91b, pl. 37a |
| 23523 | R 94-25 | Top of headrest | fig. 91b, pl. 37a |
| 23524 | R 84-32 | Kohl jar 4 | fig. 84b |
| 23525 | R 94-14 | Hair rings/earrings | fig. 89b ( 2 right) |
| 23526 | R 94-16 | Hair Rings/Earrings | fig. 89b (2 left) |
| 23527 n/a | R 94-15 | Hair rings/earrings | - |
| 23528 | R 94-13 | Beads | fig. 17c, j |
| 23531 n/a | R 84-31 | Scarab | - |
| 23532 | R 120-1 | Scarab | fig. 12 m |
| $23534 \mathrm{n} / \mathrm{a}$ | R 94-5 | Bronze ring | - |
| 23544 | R 94-4 | Shawabti | pl. 36 |
| 23551 | R 79-3 | Bowl CB-3bi | fig. 80c |
| 23552 | R 79-6 | Bowl CB-1b | - |
| 23553 | R 79-5 | Bowl CB-1g | figs. $1 \mathrm{k}, 80 \mathrm{~b}$ |
| 23554 | R 79-4 | Bowl CB-1d | fig. 81a |
| 23555 | R 79-16 | Bowl CB-1d | fig. 80d |
| 23556 | R 79-15 | Bowl CB-1d | fig. 81b |
| 23557 | R 79-1 | Jar CJ-6bii-iii | - |
| 23558 | R 79-2 | Jar CJ-6biii | fig. 81e |
| 23559 | R 79-14 | Jar CJ-6biii | - |
| 23560 | R 79-10 | Jar I1-PJ-2cvi | fig. 81d |
| 23561 | R 75-4 | Jar UJ-2b | - |
| 23562 | R 75-5 | Jar UJ-2b | figs. $2 \mathrm{k}, \mathbf{7 6 b}$ |

A. ORIENTAL INSTITUTE MUSEUM (cont.)

| Registration Number | Cemetery, Tomb, Object | Description | FigurelPlate |
| :---: | :---: | :---: | :---: |
| 23563 | R 94-3 | Jar CJ-11a | figs. 7d, 90c |
| 23566 | R 94-17 | Bowl CB-4aiii | fig. 90 e |
| 23567 | R 75-15 | Bowl CB-3bi | fig. 76a |
| 23568 | R 84-8 | Bowl CB-5b | fig. 85h |
| 23569 | R 84-14 | Jar CJ-5aiii | fig. 86d |
| 23570 | R 84-12 | Jar CJ-5aiii | - |
| 23571 | R 86-1 | Jar CJ-5bii | - |
| 23572 | R 83-2 | Jar IV-CJ-5biii | figs. 5d, 83b |
| 23573 | R 75-12 | Jar II/IV-CJ-8ci | fig. $76 \mathrm{c}, \mathrm{pl}$. 28 a |
| 23574 | R 84-27 | Bowl CB-1b | fig. 85a |
| 23575 | R 84-17 | Bowl CB-1b | fig. 85b |
| 23576 | R 84-26 | Bowl CB-1d | fig. 85f |
| 23577 | R 84-16 | Bowl CB-3biii | fig. 85 g |
| 23578 | R 84-25 | Bowl CB-1d | - |
| 23579 | R 84-23 | Bowl CB-3bi | - |
| 23580 | R 84-24 | Bowl CB-3bi | - |
| 23581 | R 84-21 | Bowl CB-3bi | - |
| 23582 | R 84-15 | Bowl CB-3bi | fig. 85d |
| 23583 | R 84-13 | Bowl CB-2a | figs. $1 \mathrm{~m}, 85 \mathrm{c}$ |
| 23584 | R 84-18 | Jar CJ-5avi | figs. 4b, 86e |
| 23585 | R 94-18 | Jar CJ-2a | fig. 90d |
| 23586 | R 94-21 | Jar CJ—8bi | figs. 6e, 90a |
| 23587 | R 84-19 | Jar PJ—2biii | figs. 70, 86a |
| 23588 | R 84-1 | Jar II-PJ-1di | figs. 7j, 86b, pl. 18b |
| 23589 | R 91-3 | Jar CJ-5aiii | fig. 88b |
| 23590 | R 84-33 | Spindle bottle IM-5 | fig. 85j |
| 23591 | R 76-10 | Jar UJ-2c | - |
| 23592 | R 88-1 | Jar UJ-2b | fig. 88a |
| 23593 | R 94-10 | Jar UJ-2b | fig. 90b |
| 23594 | R 75-16 | Jar UJ-2c | - |
| 23595 | R 75-11 | Jar UJ-2b | - |
| 23596 | R 76-11 | Jar UJ-1 | fig. 78f |
| 23597 | R 94-6 | Bowl UA-3 | - |
| 23598 | R 94-7 | Bowl UA-3 | fig. 90f |
| 23646 | R 75-13 | Jar IV-CJ-7b | figs. 6b, 76d, pl. 17e |
| 23745 | V 113-7 | Plaque | fig. 15q |
| 23795 | V 113-38 | Jar II-CJ-10bi | figs. 6k, 169h, pl. 17b |
| 23796 | V 113-36 | Jar CJ-6bii | figs. 5i, 170c |
| 23797 | V 113-42 | Jar CJ—5bii | figs. 5c, 170b, pl. 28c |
| 23798 | V 113-31 | Jar CJ-6bii | fig. 171e |
| 23799 | V 113-29 | Jar CJ-5aix | fig. 171d |

A. ORIENTAL INSTITUTE MUSEUM (cont.)

| Registration Number | Cemetery, <br> Tomb, Object | Description | FigurelPlate |
| :---: | :---: | :---: | :---: |
| 23800 | V 113-37 | Jar CJ-5aii | fig. 170a |
| 23801 | V 113-30 | Jar II-PJ-5a | fig. 169 f |
| 23802 | V 113-24 | Jar II-PJ—? | - |
| 23803 | V 113-50 | Jar II—PJ—2ciii | fig. 169c |
| 23804 | V 113-32 | Jar PJ-2ciii | fig. 169a |
| 23805 | V 113-53 | Jar PJ-2div beta | fig. 169b |
| 23806 | V 113-14 | Jar II-PJ-2dii | fig. 169e |
| 23807 | V 113-51 | Juglet II-IM-4a | figs. 10i, 169d |
| 23808 | V 113-46 | Jar II-PJ-1b | figs. 7h, 171c |
| 23809 | V 113-16 | Bowl CB-3bii | fig. 168e |
| 23810 | V 113-18 | Bowl CB-1c | fig. 168i |
| 23811 | V 113-54 | Bowl CB-3bi | fig. 168c |
| 23812 | V 113-52 | Base ring I, IM-6 | fig. 171b, pl. 24b |
| 23813 | V 113-21 | Bowl CB-1c | fig. 168b |
| 23814 | V 113-23 | Bowl CB-3ai | fig. 168h |
| 23815 | V 113-43 | Bowl CB-2b | fig. 168g |
| 23816 | V 113-41 | Bowl CB-2c | figs. $10,168 \mathrm{j}$ |
| 23817 | V 113-28 | Bowl CB-2b | fig. 168d |
| 23818 | V 113-27 | Bowl CB-1h | fig. 168 f |
| 23819 | V 113-44 | Bowl CB-1b | fig. 168a |
| 23820 | V 113-47 | Bowl CB-3bi | - |
| 23821 | V 113-17 | Bowl CB-3bi | - |
| 23843 | W 81-2 | Jar IV-CJ-5avi | - |
| 23844 | W 55-7 | Jar CJ-5aiii | fig. 203d |
| 23851 | V 113-25 | Kohl jar II-A3b | fig. 167b |
| 23919 | W 81-1 | Jar CJ-5aiii | fig. 206a |
| 23920 | W 56-3 | Jar CJ—5aiii | fig. 204c |
| 23922 | W 56-2 | Jar CJ—10c | figs. 7c, 204b, pl. 17a |
| 23930 | W 55-4 | Bowl CB-3bi | fig. 203a |
| 23931 | W 56-4 | Bowl CB-3bi | fig. 204a |
| 23932 | W 55-5 | Bowl CB-3bi | fig. 203b |
| 23933 | W 52-1 | Bowl CB-7b | fig. 202 |
| 23934 | W 55-2 | Bowl CB-1d | fig. 203c |
| 23949 | V 113-40 | Stand ST-2 | fig. 169i |
| 23953 | V 113-12 | Jar UJ-2c | fig. 170d |
| 23954 | V 120-5 | Jar UJ-2c | - |
| 23955 | V 113-13 | Jar UJ-2c | fig. 170e |
| 23956 | V 120-6 | Jar UJ-2c | fig. 173b |
| 23959 | W 81-3 | Bowl CB-2b | fig. 206b |
| 23960 | V 120-4 | Bowl CB-3ai | fig. 173a |
| 23961 | W 68-2 | Bowl CB-3a | - |

A. ORIENTAL INSTITUTE MUSEUM (cont.)

| Registration Number | Cemetery, Tomb, Object | Description | FigurelPlate |
| :---: | :---: | :---: | :---: |
| 23964 | W 55-3 | Jar CJ—le | fig. 203e |
| 23967 | W 68-1 | Bowl CB-1a | - |
| 23968 | R 84-5 | Bowl UA-? | fig. 85i |
| 23972 | R 84-7 | Bowl CB-3biii | fig. 85 e |
| 24079 | V 113-45 | Stand ST-2 | fig. 169 g |
| 24847 | V 113-11 | Jar II-PJ-5b | fig. 171a, pl. 20b |
| 32126 | R 84-34 | Pieces of painted wood coffin | - |
| 35600 (?) | R 29-34 | Bowl | - |
| 35601 | R 88-4 | Jar $\mathrm{l}-\mathrm{CJ}-5$ ? | - |
| 35602 | R 4B-1 | Jar | - |
| 35603 | R 20-4 | Sherds | - |
| 35604 | R 20-15 | Bowl sherds | - |
| 35605 | R 29-A | II-PJ-2? | - |
| 35606 | R 34-1 | Sherds of bowl CB | - |
| 35607 | R 34-3 | Sherd of lid (?) | - |

## B. CAIRO MUSEUM

| Registration Number | Cemetery, Tomb, Object | Description | FigurelPlate |
| :---: | :---: | :---: | :---: |
| 89861 | V 48-84 | Stone situla jar VI—B | fig. 106f, pl. 38g |
| 89863 | V 48-80 | Stone jar VIII | pl. 38e |
| 89867 | V 47-3 | Mask from coffin or cartonnage | - |
| 89869 | R 35-49 | Razor | - |
| 89880 | R 32-3 | Hair rings/earrings | - |
| 89888 | R 40-66 | Copper mirror | fig. 50f, pl. 44 |
| 89889 | V 97-8 | Faience bowl | pl. 50b |
| 89890 | V 48-53 | Slate palette | pl. 50c |
| 89893 | V 69-2 | Ivory bracelets | fig. 132b |
| 89894 | R 29-27 | Gold hair rings/earrings | fig. 29i, pl. 47b |
| 89898 | V 46-28 | Hair rings/earrings | pl. 47a |
| 89907 | V 81-4 | Scarab | fig. 15i |
| 89908 | V 82-1 | Scarab | fig. 15j |
| 89909 | V 76-28 | Scarab | fig. 15 e |
| 89912 | V 60-28 | Scarab | fig. 14f, pl. 48 f |
| 89913 | V 60-40 | Scarab | fig. 14i, pl. 48d |
| 89914 | V 93-7 | Scarab | fig. 15p, pl. 48b |
| 89915 | V 46-36 | Scarab | fig. 13e, pl. 48c |
| 89916 | V 48-31 | Scarab | fig. 13k, pl. 48a |
| 89917 | V 46-19 | Scarab | fig. 13a, pl. 48j |
| 89918 | V 55-13 | Plaque | fig. 14c |

## B. CAIRO MUSEUM (cont.)

| Registration Number | Cemetery, <br> Tomb, Object | Description | FigurelPlate |
| :---: | :---: | :---: | :---: |
| 89920 | V 48-8 | Cowroid | fig. 130, pl. 48h |
| 89921 | R 45-32 | Scarab | fig. 12j, pl. 48g |
| 89922 | V 48-30 | Scarab | fig. 13q, pl. 48k |
| 89923 | V 46-30 | Scarab | fig. 13b, pl. 48i |
| 89924 | R 35-105 | Scarab | fig. 121 |
| 89925 | R 35-44 | Ring | - |
| 89926 | V 48-109 | Scarab | fig. 13r, pl. 481 |
| 89932 | R 4B-5 | Plaque | fig. 11a, d |
| 89933 | R 20-19 | Scarab | fig. $11 \mathrm{~h}, \mathrm{pl} .49 \mathrm{e}$ |
| 89934 | R 19-2 | Scarab | fig. 11 f |
| 89936 | V 48-104 | Jar PJ-6b | figs. 9d, 110b, pl. 16a |
| 89937 | V 48-50 | Copper or bronze pitcher | fig. 106a, pls. 45, 46 |
| 89945 | V 48-58 | Juglet IM-8 | figs. 101, 110g, pl. 29b |
| 89948 | V 76-5 | Base ring I, IM-6 | figs. 10f, 146b, pl. 24a |
| 89955 | R 20-43 | Stand ST-2 | pl. 21b |
| 89958 | R 29-46 | Jar IV-CJ—9 | pl. 25 |
| 89994 | K 50-17 | Scarab | fig. 16m |
| 89999 | W 55-1 | Stand ST-3? | - |

## C. FIELD NUMBERS (CAIRO)

| Field <br> Number | Cemetery, <br> Tomb, Object | Description | FigurelPlate |
| :--- | :--- | :--- | :--- |
| Q830 | R 4B-3 | Bowl | - |
| Q1326 | R 35-20 | Bowl | - |
| Q1332 | R 35-92 | Bowl UA-? | - |
| Q2113 | V 60-20 | Bowl | - |
| Q2181 | V 48-71 | Bowl UA-? | - |


[^0]:    * "Blue" corresponds to a light turquoise, except when it is called "dark," which is much more like lapis.
    ** "Green" includes both a pale light green and dark green; the latter is normally specified.

[^1]:    16. In contrast to Malkata and Amarna, for example, which have well-documented historical connections. The chronological discussion in Säve-Söderbergh and Troy 1991: 221-23 was not available for detailed review. However, the chronological categories, which were dated internally and not related to a series of well-dated materials, can roughly be correlated with the phases presented in this volume.
    17. For example, see Merrillees 1968, generally; for critical remarks on the approach, see Oren 1969.
[^2]:    18. Williams 1983, pl. 129c (K 33); see Vila 1982, fig. 64, for a Naqada II vessel in a Meroitic tomb in Sudan. Note that size is no obstacle to reuse as witnessed by the countless numbers of usurped Egyptian monuments and the stela of Sa-Ibshek presented in Chapter 4.
[^3]:    22. Petrie 1891: 23. This is the black coffin with yellow bands (11). Coffin 12 is not described.
[^4]:    13. For illustration of the hand-rotated simple fast wheel, see Arnold 1976, figs. 8-14; Holthoer 1977, figs. 4, 8, 14, 15, 18, and 24. For studies of actual wheels, see Hope 1981: 127-33 and idem 1982: 13-14.
    14. In addition, a few vessel types were shaped by molding, notably bread molds, which were shaped around a core. Also see Arnold 1976: 26 and figs. 15-16, for a special technique used to shape a stand.
    15. Impressions of the cords occur commonly on larger vessels; see pl.14.
[^5]:    38. Tradition requires special recognition because large amounts of pottery were imported to Lower Nubia or made according to imported ideas and techniques. At any one time, pottery made in several different cultural traditions might be present, each made according to different choices at each stage in the manufacturing process.
    39. Only one vessel of local workmanship was found plus a few more of Cypriot and Syro-Palestinian Late Bronze I origin. For the correspondence of shape and decoration, see the category of pseudo-import jars (PJ) below. Most (but not all) other vessels assigned to the New Kingdom probably actually date to the Napatan period. See Williams 1990b, especially p. 5, figs. 26b-c, and pl. 5a-b; Heidorn 1988; Williams 1990a: 37-38; and Säve-Söderbergh 1989, pls. 35-37, various.
    40. The four major categories described below represent different kinds of manufactured articles, ware categories that recur in Egyptian pottery. Each of these encompassed a number of variations in claymixture, temper, or technique. Although these could be considered ware categories (see Hope 1977: 6668 ), they are more realistically regarded as chronologically or locally limited modes of making pottery within the major groups rather than actual classes.
[^6]:    52. For CB-7 generally, see Steindorff 1937, pl. 70: 7 (except third from left); Gurob 1-3; Reisner 1910, fig. 326: 19-21; Randall-MacIver and Woolley 1911, pl. 47: SXXV; Gurob 10; Qau 26; Holthoer 1977, pl. 24: CC 3.
    53. This category is not recognized in Holthoer 1977.
    54. Holthoer 1977, pl. 25-26: CU, but especially CU 1 IR/0/d-f, recognized as late New Kingdom.
[^7]:    55. The one example from Deir el-Medina (Bruyère 1937, fig. 48: 6) is not otherwise illustrated.
[^8]:    57. Middle Eighteenth Dynasty painted pottery was considerably more common in Serra occupation debris and will be discussed by Williams, forthcoming ${ }^{b}$.
[^9]:    63. Author's observation.
[^10]:    6. Although poorly preserved, the colors were those of the mid-late Eighteenth Dynasty coffin; see note 2 . A single shawabti of this type with coffin and tools was found in the tomb of Kha; see Schiaparelli 1927, fig. 37.
    7. See Carnarvon and Carter 1912, pl. LXVIII, for example.
    8. Bruyère 1937, fig. 20.
    9. Petrie 1891, pl. XXVII: 48.
    10. Schiaparelli 1927, fig. 105.
[^11]:    Abusir (H. Bonnet 1928, pl. 36: 1), Abydos (Garstang 1901, pl. XIV: B166), and Gurob (Petrie 1890, pl. XVIII: 4). Only the example from Abusir has the arms supporting the umbel. The proveniences of the other pieces (for example, in Bénédite) are plausible but not documented by direct observation.

[^12]:    52. They are not common in early contexts, however. None were reported from the eastern cemetery at Deir el-Medina, but they were reported as 'abundant' in Neferkhawet's tomb (Hayes 1935: 30-32 and fig. 16). Several vessels were found in Kha's tomb (Schiaparelli 1927, figs. 52, 89, 117, 118, 119, and 126 [stands]).
[^13]:    78. Brunton and Engelbach 1927, pl. XLII: 26; Engelbach 1923, pl. LIV: 26; for the larger amulet, see Petrie 1908, pl. XXXVIII: 27; Säve-Söderbergh and Troy 1991: 124.
    79. See Schiff Giorgini 1971: 310, fig. 611.
    80. See Steindorff 1937, pl. 52: 2.
    81. Engelbach 1923, pl. LIV: 19; Brunton and Engelbach 1927, pl. XLII: 19; especially H; Säve-Söderbergh and Troy 1991: 127-28.
    82. Firth 1927, pl. 28: a 1; E and K, p. 328, fig. 324: 16; p. 133, fig. 119, 13-14.
    83. Brunton and Engelbach 1927, pl. XLII: 22; Säve-Söderbergh and Troy 1991: 128-29.
    84. Williams 1986, pl. 110a-b.
    85. For the significance of the fly, see Weber 1977, cols. 264-65. For large Kerma flies, see Reisner 1923 IV-V, pp. 131-32; Randall-MacIver and Woolley 1911, pl. 51: 10347A-B; Brunton 1930, pl. XXI: 7196.
    86. Same size, but not precise; see Firth 1915, pl. 38: g 27; also Firth 1927 pl. 28: b 19; Randall-MacIver and Woolley 1911, pl. 54: 10266, 10271; note that these are camelian.
    87. Brunton and Engelbach 1927, pl. XLIII: 44R.
[^14]:    14. Willians 1975; see tables $12-15$ for a summary of von Beckerath 1964: 226-57. On p. 222, he gives ca. 1683 as the end of reign 31, and in table 221 he sets the date of the transition from the Thirteenth to the Seventeenth Dynasty at ca. 1650.
    15. Von Beckerath 1964: 283-87; for discussion, see pp. 169-81.
    16. Ibid., pp. 280-83; see item 9, from Coptos, also pp. 169-71.
    17. From personal communication with Klaus Baer in 1970-1972 and used with permission. See Hayes 1947: 3-11 and von Beckerath 1964: 75-76.
    18. The artist-scribe was Great One of the Tens of Upper Egypt and Draftsman Netjerusedjem. See Tylor 1896, pl. II, and Wreszinsky 1927: 80-83 and pls. 41-43.
    19. Reisner 1923 I-III, p. 391.
    20. Ibid., 14-1-1105, 1107, 1122.
[^15]:    2. New Kingdom side burial?
    3. Considered senile because the teeth were missing.
[^16]:    6. Shaft cut R 20 , hole blocked by cb. on the E side, five courses horizontal, sixth perpendicular; hole into $\mathrm{R} 20,0.80 \times 0.30 \mathrm{~m}$. The hair ring/earring $R 19-5$ was found under burial $B$.
[^17]:    10. Jars 42-45 are not individually distinguished; they correspond with 22337-22341 according to the grave sheet, but 22339 is a bowl; 22340 is CJ-6bii and 22341 is CJ-6biv.
    11. Bowls $47-49$ are not individually distinguished.
[^18]:    26. "Plundered from redim of shaft, a skull and scattered bones and New Kingdom potsherds (depth ca. 1.30 m ); from depth of ca. 1.45 m , another level of burials; 13 skulls and bones scattered all over. One senile dentition noticed and three juveniles."
[^19]:    33. In a coffin at a higher level than burials $\mathrm{Q}-\mathbf{S}$; burials $\mathrm{Q}-\mathbf{S}$ are in the same coffin.
[^20]:    36. $\vee 72$ apparently cut chamber $\vee 73$.
    37. Disturbed, or intrusive and late.
[^21]:    40. Error on pot sheet.
[^22]:    42. Alternatively VF 83-10.
    43. Altematively VF 83-8.
[^23]:    44. Three skulls; femurs and tibias scattered.
[^24]:    46. Skull and pelvis of two individuals.
[^25]:    47. A stone blocking slab, called no. 6 on the record sheet, is not an object.
    48. Alternatively VG 93-1(?).
    49. Alternatively VG 93-19.
    50. Alternatively VG 93-17.
[^26]:    51. Objects VG 97-3 and 5 are probably 22126 and 22252 , but the associations are uncertain.
    52. VG 97-9,10, and 14 are altemative assignments.
[^27]:    53. Record sheet says -0.85 , not possible.
[^28]:    54. Arthritic, scrum fused to pelvis and four vertebrae also fused.
