



EXCAVATIONS AT SERRA EAST AND DORGINARTI

The Second Cataract Fortress of Dorginarti



Lisa A. Heidorn
with contributions by Carol Meyer
and Joanna Then-Obluska



INSTITUTE FOR THE STUDY OF ANCIENT CULTURES
OF THE UNIVERSITY OF CHICAGO
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THE SECOND CATARACT FORTRESS OF DORGINARTI



Team members of the 1964 season at Dorginarti

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CAMPAGNE INTERNATIONALE POUR LA SAUVEGARDE
DES MONUMENTS DE LA NUBIE

EXCAVATIONS AT SERRA EAST AND DORGINARTI
JAMES E. KNUDSTAD, DIRECTOR

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Panorama of Dorginarti, from the southwest
(courtesy of Rosa Frey and James E. Knudstad)
and objects found at Dorginarti
(from top to bottom, left to right: Chian amphora OIM E24372,
stone with fortress name OIM E24326, faience figurine OIM E24332,
fish plaque OIM E24398, arrowhead OIM E24421,
arrowhead Khartoum 14277, and arrowhead OIM E24349B)

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43. Jambs of the door into D 20 from D 9, from the south; strata atop the floor in D 9, showing burned stratum 3, from the east
44. Jambs and fragments of the lintel and column in D 5, from the west; south walls of D 9 and D 5, from the southeast
45. North half of the Level III residence, from the west
46. Stone sills of D 22 and the north entrance door, from the southeast; fallen lintel fragments in D 20, from the north
47. D 16A, D 16B, and D 16C, from the west; D 16A, from the west
48. D 16C, from the west; north entrance stairs with fallen architectural elements, from the north
49. Inscribed east jamb of the door into D 20, from the south; inscribed west jamb of the door into D 20, from the south
50. Graffiti on the sill between D 9 and D 20
51. Lintel from D 5
52. Detail from the lintel in D 5; sandstone column fragment from D 5
53. Palm-leaf capital from the surface of the West Sector; lintel fragments near D 22
54. Lintel fragments near D 22; Ramesside inscription on the plinth at the doorway to D 22
55. Graffito of a boat on the sill between D 16A and D 20; graffiti on a stray stone from the Level III residence
56. Level IV walls appearing during the excavation of the Level III residence
57. Doorway into D 311 from D 312, from the southeast; east doorway into the Level IV residence, from the east
58. D 313 from the west, with the blocked doorway and Level III walls in place; stairway in D 315, from the east
59. Brick feature in D 311, from the southwest; doorway into D 316, from the west
60. East Sector with Meroitic burial 6 in the center, from the east; East Sector with silos D 350 and D 351 in the foreground, from the northwest
61. East Sector, from the southwest
62. D 351–D 359, from the east
63. D 33 and D 34, from the southwest
64. D 33 and D 34, from the northwest
65. Silt pottery
66. Marl pottery
67. Silt jugs and flask
68. Silt jugs and flask
69. Double flask and imported flask
70. Highly burnished wheel-made vessels
71. Handmade bowls
72. Handmade jar and bowls
73. Handmade bowl
74. New Kingdom sherds
75. Central Sector Level II, from the west; southeast corner of the Level II wall, from the east
76. Southeast corner of the Level II platform and the fortification wall, from the east; south buttresses of the Level II platform, from the west
77. North side of the southeast corner buttress of the Level II platform, showing renovations (filled-in bays)
78. Superimposed walls, from the east; D 23, section through the fill, from the west
79. West side of Level II, from the southwest; east side of Level II, from the northeast

80. East side of Level II with stairway, from the north; west side of the Level II construction, from the north
81. Northeast corner of the Level II building or enclosure, from the southwest; Level II building or enclosure at the southeast corner, from the west
82. Imported amphorae and black-slipped handle
83. Phoenician amphorae and mud sealing
84. Phoenician amphorae fabrics
85. Phoenician amphorae
86. Level II Egyptian vessels
87. Level II vessels
88. Oasis-ware fabrics
89. Faience objects
90. Faience New Year's flask fragments
91. D 9 and D 5 inscribed stone reused as a door socket; querns photographed in the field
92. Inscribed stone block, pottery-working tool, and worn quern
93. Stone blade, net weights, and arrowheads
94. Stone arrowheads
95. Metal objects
96. Ostraca and dipinto
97. Tuyères
98. Glass objects
99. Beads
100. Beads from Meroitic burials 2 and 3
101. Beads from Meroitic burials 4 and 6
102. Beads, shell, and ear stud from Meroitic burial 8
103. Beads, pendant, and shell
104. Beads, pendant, and shell
105. Beads
106. Beads
107. Beads

List of Abbreviations

BM	British Museum
ca.	<i>circa</i> , about, approximately
cat.	catalog
cm	centimeter
D	diameter, Dorginarti
diss.	dissertation
E	east
e.g.	<i>exempli gratia</i> , for example
et al.	<i>et alia</i> , and others
exc.	excavated
fasc.	fascicle
fig(s).	figure(s)
g	gram(s)
H	height
HD	hole diameter
i.e.	<i>id est</i> , that is
IMG	image
JE	Journal d'Entrée (Cairo Museum)
kg	kilogram(s)
Khartoum	Khartoum field registration number
km	kilometer(s)
L	length
LAH	Lisa A. Heidorn
m	meter(s)
mm	millimeter(s)
max.	maximum
MB	marl bowl
MFA	Museum of Fine Arts (Boston)
MJ	marl jar
N	north
n.d.	no date
n(n).	note(s)
n.s.	new series
no(s).	number(s)
OIM E	Oriental Institute Museum, Egyptian (registration number)
p(p).	page(s)
pl(s).	plate(s)
PhD	<i>philosophiae doctor</i> , doctor of philosophy (degree)
pXRF	portable X-ray fluorescence
RR	red rim
RS	red slip
S	south
SB	silt bowl
SJ	silt jar
SNM	Sudan National Museum
sp.	species
Th	thickness

unexc.	unexcavated
vol(s).	volume(s)
vs.	versus
yr	year
W	width, west

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Acknowledgments

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Reshetnikova. Nadejda produced the architectural drawings from the information supplied by Knudstad, Larry, and me. She also created 3D reconstructions of the fortress that will be published online. I wish to thank her for the many hours of Skyping and emailing between our respective offices, as well as for her fine work and cheerful disposition.

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EXCAVATION DATES

January 4–June 8, 1964

EXCAVATION FUNDING

The 1964 work at Dorginarti was funded by a contract with the United States Department of State, under Public Law 480, and was requisitioned through the Oriental Institute of the University of Chicago.

Preface

The final report for the excavations at the fortress of Dorginarti has been many years in the making, starting with my initial study and 1992 dissertation and continuing now with the complete excavation report. The Oriental Institute of the University of Chicago took part in the UNESCO¹ Nubian salvage project necessitated by the building of the Aswan High Dam between 1960 and 1970, a multiyear campaign of survey and excavation activities throughout Lower Nubia. The published results from the extensive campaign have contributed greatly to the history of this region of southern Egypt and northern Sudan, and now the excavation report for Dorginarti can be added to the list of publications stemming from it.

During this time, and more important to consider, the residents of the region were relocated to places in Egypt and elsewhere in the Sudan or to newly created settlements at higher elevations, such as that at Wadi Halfa. It was not just a loss of the archaeological remains and Nubian history along the river valley that was of concern, but also the loss of property and homeland for many Nubians.

When the Oriental Institute expedition finished its work at Serra East (1961–64), it concentrated on recovering the remains at Dorginarti. The fortress was a tumbled, waterlogged mess as a result of millennia of flood damage (pl. 1a), and it was assumed that it represented another Middle or New Kingdom establishment similar to the other Second Cataract forts, of which so much was already known. The site was not completely excavated in the limited time available, but the amount of work accomplished was admirable.

These excavations took place from the beginning of January 1964 under the overall direction of archaeologist and architect James E. Knudstad. Richard H. Pierce, the Egyptologist and epigrapher of the Oriental Institute expedition, oversaw the work at the site from January until the beginning of April with the assistance of Wenche Pierce. When Dr. Pierce's contract ended at the beginning of April and the work at Serra East was finishing, James Knudstad moved operations over to Dorginarti (pl. 1b). The excavation continued until June 8, 1964.

1 UNESCO is the United Nations Educational, Scientific and Cultural Organization.

Between 52 and 131 workers were busy at Dorginarti on any given day, including Egyptian, Nubian, Shilluk, and Nuba laborers, all under the direction of four to seven Egyptian Quftis. This number of workers, and the mix of cultures, was a handful to manage on a daily basis. The job of moving the debris and silt from atop the outlines of the fortification and excavating the remains was immense.

The pottery encountered was unlike any known types, but the intrusive Meroitic burials atop the Central Sector and the scatter of pottery resulting from disturbance by thieves led to the initial belief that Level II was perhaps Meroitic. The date of Levels III and IV was believed to be late New Kingdom, and some of the pottery does indeed have comparisons with materials now dated to the early Third Intermediate Period. But late New Kingdom and first-millennium pottery was not well known at the time. William Y. Adams knew the Nubian pottery sequence better than most salvage archaeologists, and he ventured that it could date to the late New Kingdom or Napatan period.² But there was no time to process the pottery in the manner of a normal excavation, for this was fast-paced salvage work. It is fortunate that the remains have waited some sixty years for their final publication, because knowledge of pottery development during this period is now better as a result of more recent excavations in both Egypt and Nubia during the 1990s and 2000s.

The results of the excavation have been presented in a number of publications, but only the initial site report by Knudstad in *Kush* 14 (1966), an unpublished but widely distributed dissertation, and a few short articles have considered the architecture and associated remains in any detail.³ While the present volume

2 Pierce 1964a, February 11; Knudstad 1963–64, p. 234. The Napatan period encompasses the time when the cemeteries and capital of the Kushites were based at Napata—that is, from at least the ninth century BC until sometime during the fourth century. In this later period, they transferred their capital to Meroe. Since the pottery before, during, or just after the Twenty-Fifth Dynasty—and before the Meroitic period—is poorly understood, it is referred to herein as *Napatan* unless a firmer dating is known.

3 Knudstad 1966, pp. 178–86; Heidorn 1992a and 2013. See also Hoerth 1964b. For the Level II architecture and pottery, see Heidorn 2018b.