

THE ROYAL CEMETERIES OF KUSH

Volume I

THE ROYAL CEMETERIES OF KUSH

EL KURRU

DOWS DUNHAM

Curator of Egyptian Art, Museum of Fine Arts, Boston



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PREFACE

IN the winter of 1916, and again during the three seasons 1919-1920, 1921-1922, and 1922-1923, I assisted Dr. George A. Reisner, Director of the Harvard University-Boston Museum of Fine Arts Egyptian Expedition in his excavations at Gebel Barkal, Nuri, and the three royal cemeteries at Meroë. When, therefore, in 1932, it became apparent that Dr. Reisner's failing health required that he be given some relief from the burden of his many scientific obligations for the publishing of his excavations in Egypt and the Sudan, it was logical that he should ask me to take over responsibility for the publication of the Meroitic sites. I had been in charge of the Department of Egyptian Art at the Museum of Fine Arts in Boston as Assistant Curator (under Dr. Reisner as Curator) since 1928. In the autumn of 1933 the Trustees of the Museum sent me to Egypt to discuss this and other problems with Dr. Reisner and, as a result of our proposals, agreed to my undertaking the task in addition to my duties at the Museum. It was not until more than two years later that I actually received the greater part of the pertinent records which my then assistant, Miss Elizabeth S. Eaton (now Mrs. Stephen M. Weld) was sent to Egypt to assemble and bring back. Dr. Reisner died in Egypt in June, 1942. In the autumn of 1946 the Trustees of the Museum sent me to Egypt to settle the affairs of the Expedition and to bring back to Boston the records which had accumulated at the Giza camp over the many years of Dr. Reisner's activities. I was accompanied by Dr. William Stevenson Smith, Assistant Curator in the Department, and for long Dr. Reisner's chief assistant at Giza, he having recently been released from war service. During my stay in Egypt I was given an opportunity, through the kindness of A. J. Arkell, Esq., then Commissioner for Archaeology and Anthropology in the Sudan Government, to visit all the sites in the Sudan at which our Expedition had worked, to liquidate our remaining interests in that country, and to review with the Sudan Government the obligations toward scientific publication which remained to be fulfilled.

Since Dr. Smith and I were the only members of the Department staff who had taken part in Dr. Reisner's work in Egypt and the Sudan, and since I had been associated especially with his excavations in the latter country, it seemed logical that we should divide between us along geographical lines the publication work which remained to be done. I, therefore, undertook to deal with the Sudan work while Dr. Smith was to occupy himself with the Egyptian, primarily the great Old Kingdom site of Giza.

The present volume is designed to be the first in a series covering the excavation of the Kushite Royal Cemeteries, later installments to be devoted to the cemeteries of Nuri, Barkal, and the three royal ones at Meroë. Since the entire group forms an archaeological unit, no element of which can be fully understood without reference to the others, it seems best to the

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writer, in this initial offering, to present the material facts only, without the addition of interpretative or comparative studies. No readers can evaluate conclusions based on a much larger mass of material than is contained in this volume until the full body of the evidence is available to them. The writer, therefore, bespeaks their patience with the assurance that he plans to present such studies in subsequent volumes of *The Royal Cemeteries of Kush*.

It cannot be stated too clearly that this as well as the projected volumes are based upon the pioneer work done by Dr. Reisner in excavating the sites, on the meticulously accurate and detailed records made by the Expedition, and on the archaeological conclusions long since published by Dr. Reisner in a series of preliminary reports.¹ My debt to Reisner, however, is far greater than this statement implies; he was over many years my teacher, and such competence as I may have as an archaeologist I owe in large measure to the years of my apprenticeship under him.

To the Trustees of the Museum of Fine Arts I am indebted for their allocation of funds for the costs of publication and for their generosity in providing assistance for me in my regular duties as a Museum Curator, without which I could not have found the time needed for the preparation of this book.

I am deeply indebted to my friend Dr. Miles F. Laming Macadam of University College, Durham, England, for collaboration in dealing with the complexities of the family relationships of the Napatan royalties, and over the vocalization of their names in "pronounceable" form. In the latter subject I have ventured to depart substantially from the practice followed by Dr. Reisner in his preliminary publications. Dr. Macadam is a pupil of the late Professor F. Ll. Griffith of Oxford, the outstanding pioneer in the study of the Meroitic language. His philological work under Griffith and his subsequent research into Meroitic and Napatan names and relationships have made his counsel invaluable. His publication of the inscriptions from Kawa (Excavations of the Griffith Institute of the Ashmolean Museum, Oxford),² and our joint

¹ "Note on the Harvard-Boston Excavations at El-Kurruw and Barkal in 1918-19," in *Journal of Egyptian Archaeology*, vi (1920), 61-64; "Discovery of the Tombs of the Egyptian XXVth Dynasty at El-Kurruw in Dongola Province," in *Sudan Notes and Records*, II (1919), 237-254; "Preliminary Report on the Harvard-Boston Excavations at Nuri: The Kings of Ethiopia after Tirhaqa," in *Harvard African Studies*, II (1918), 1-64; "The Meroitic Kingdom of Ethiopia: A Chronological Outline," in *Journal of Egyptian Archaeology*, IX (1923), 34-77, and "Additional Note," *ibid.*, pp. 157-160.

Articles in *Bulletin of the Museum of Fine Arts* (Boston): vol. xv (June 1917), "Excavations at Napata"; vol. xvi (October 1918), "Known and Unknown Kings of Ethiopia"; vol. xix (June 1921), "The Royal Family of Ethiopia"; vol. xxi (April 1923), "The Pyramids of Meroë and the Candaces of Ethiopia"; vol. xxiii (June 1925), "Excavations in Egypt and Ethiopia."

"Outline of the Ancient History of the Sudan," in *Sudan Notes and Records*: "The Egyptianization of Ethiopia," I (1918), 217-237; "The First Kingdom of Ethiopia," II (1919), 35-67.

² *The Temples of Kawa*, vol. I, Oxford, 1949.

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work in correlating these with the evidence provided from our own excavations has led us to the adoption of agreed writings for the royal names, and to proposing definite relationships between individuals in many cases.³

To my assistant, Miss Suzanne E. Chapman, I owe heartfelt thanks for her great skill and patience as artist and draftsman. Many of the figures are the result of her skill as a copyist, and most of them have been inked by her. To my colleagues William Stevenson Smith and Bernard V. Bothmer I am grateful for counsel and judgment in many ways, to the latter for much patient work in preparing manuscript for the press, and to both for thoughtful consideration in relieving me from much administrative detail in the Museum.

DOWS DUNHAM

Museum of Fine Arts, Boston

June, 1949

³ "Names and Relationships of the Royal Family of Napata," in *Journal of Egyptian Archaeology*, xxxv (1949), 139-149, Pls. xv-xvi.

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C	Ku. 52	Silver relief, Isis suckling King. See p. 82.
D	Ku. 55	Cloisonné enamel hawk and silver statuette. See p. 93.
E-G	Ku. 55	Gold and crystal amulet, head of Hathor. See p. 94.
LXI A-C	Ku. 55	Five amulets. See p. 93, 94.
LXII A-E	Ku. 15	Mirror of Shabako. See p. 57.
LXIII A	Ku. 72	Gold collar. See p. 104.
B-C	Ku. 16, 101	Two gold pendants. See p. 61, 109.
D	Ku. 10	Fragmentary gold band with cartouches of Shabako (ex. Ku. 15). See p. 48.
LXIV A-B	Ku. 55	Two decorated faïence bowls. See p. 93.
C	Ku. 4	Two silver vessels. See p. 32.
LXV A-B	Ku. 53	Beads and miscellaneous. See p. 86, 87.
LXVI A	Ku. 54	Beads. See p. 91, 92.
B	Ku. 52	Beads. See p. 82.
LXVII A	Ku. 15	Beads and small objects. See p. 56.
B	Ku. 61	Beads and small objects. See p. 98.
C	Ku. 201	Reconstructed horse trappings. See p. 111, 112.
LXVIII A-B	Ku. 209	Horse trappings. See p. 113.
LXIX A	Ku. 212	Horse trappings. See p. 114.
B	Ku. 203	Horse trappings. See p. 112.

LIST OF PLATES

LXX	A	Ku. 62, 71, 72, 101, 103	Miscellaneous small objects. See p. 99-110.
	B	Ku. 52	Miscellaneous small objects. See p. 81, 82.
	C	Ku. 51	Miscellaneous small objects. See p. 78, 79.
	D-E	Ku. 5	Two mud seal impressions. See p. 39.
LXXI	A	Ku. 22	Fragments of faïence amulets. See p. 77.
	B	Ku. 4	Fragments of small objects. See p. 31.
	C	Ku. Tum. 1, Tum. 2, Tum. 4, Ku. 19	Arrowheads and arrow tips. See p. 13, 15, 17, 72.
	D	Ku. 51-54	Miscellaneous bronze objects. See p. 81-92.
	E	Ku. 209	Bronze fitting. See p. 113.
LXXII	A	Ku. 17	Faïence and stone inlays. See p. 65.
	B-C	Ku. 4	Pebbles. See p. 30, 31.
	D	Ku. 72	Fossil shells. See p. 103.
LXXIII	A-B	Ku. 1	Foundation deposits. See p. 23.
	C-D	Ku. 2	Foundation deposits. See p. 25.

MAPS AND CHARTS

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Map II	The Royal Cemetery, El Kurru.	following plates
Chart I	Evolution of the Kushite Tomb.	page 123
Chart II	Evolution of the Kushite Tomb.	page 129

ABBREVIATIONS AND SYMBOLS

Site Designations

Bar.	Barkal (Gebel Barkal)	بركل
Beg.N.	North Cemetery at Meroë (Begrawiyeh)	مروى (بقراويه)
Beg.S.	South Cemetery at Meroë	مروى
Beg.W.	West Cemetery at Meroë	مروى
Ku.	Cemetery at El Kurru	الكورو
Nu.	Cemetery at Nuri	نورى

General Abbreviations

c.	Course of masonry or brick construction
dec.	Decoration, decorated
found.	Foundation
f.c.	Foundation course; that course of masonry upon which a building is founded; usually projecting somewhat beyond the limits of the structure proper.
F.D.	Foundation deposit.
frag.	Fragment
frags.	Fragments
inc.	Incised
inscr.	Inscription, inscribed
misc.	Miscellaneous
pol.	Polished
ptd.	Painted
Substr.	Substructure: that portion of a tomb which lies below the level of the ground.
Superstr.	Superstructure: that portion of a tomb which rises above the level of the ground.
T.D.	Thieves' debris: material disturbed by ancient plundering. Objects found in thieves' debris are not necessarily from the particular tomb in which they are found, although there is a probability that they are: they may have been dropped by plunderers who had been looting another tomb, or may have been brought to their finding place by thieves of a later date, and be

contemporary with the thieves rather than with the tomb in which they are found. Objects, on the other hand, which come from the original undisturbed deposit or filling of a tomb must be contemporary with it and form part of its original furnishing.

Tum. Tumulus: the primitive mound-like superstructure which preceded the developed mastaba and pyramid tombs. It occurs only in the earliest Napatan period, but is superficially similar in appearance to the X-Group superstructures of post-Meroitic date at Ballana, Qustul, Gammal, and other sites.

uninscr. Uninscribed.

Materials

alab.	Alabaster
carn.	Carnelian
fai.	Faïence
lapis	Lapis lazuli

Pottery Designations

Bk.	Black
BkW.	Black ware
Br.	Brown
BrW.	Brown ware
C.	Coarse
CRW.	Coarse red ware
Db.	Drab
DbW.	Drab ware
Dec.	Decoration, decorated
F.	Fine
FHRW.	Fine hard red ware
FRW.	Fine red ware
H.	Hard
HBrW.	Hard brown ware
HRW.	Hard red ware
Inc.	Incised
P.	Pink
Pol.	Polished

ABBREVIATIONS AND SYMBOLS

PRW.	Pinkish red ware
Ptd.	Painted
PW.	Pink ware
R.	Red
RBrW.	Red brown ware
RPol.	Red polished
RW.	Red ware
Sl.	Slip
W.	Ware
Wh.	White
X.	A coarse grayish-black ware contain- ing gritty inclusions
Y.	Yellow

Plate Reference System

In referring to plates where many objects are shown on the same photograph, a system of numbers is used in which is given first the row (from top to bottom) and second the object in that row (from left to right). In cases where confusion might arise over the extent and numbering of rows, they are defined on the photograph. Thus Pl. LIII.A 2/5, 3/1 makes reference to Plate LIII.A, the fifth object from the left in the second row down (a large faïence Udjat eye broken in three pieces) and the first object at the left of the third row down (a large Udjat eye decorated in elaborate relief). Pl. LIII.A 4/5-7 refers to the last three objects on the right in the bottom row (three faïence winged scarab plaques).

EL KURRU

CHAPTER I

General Observations

KUSH

The term "Ethiopia" used by classical authors, and in modern times by archaeologists generally, is unsatisfactory as a designation for that part of the Upper Nile Valley with which we are to be concerned in these volumes. This area comprises the river valley from about Wadi Halfa, near the northern frontier of the Anglo-Egyptian Sudan, to the confluence of the Blue Nile and the White Nile at Khartoum. Its principal ancient centers of culture and population were the Dongola Reach, between the Third and Fourth cataracts, and the district of Meroë. It does not include the mountainous country of Abyssinia to the southeast. "Ethiopia" has been used to designate the regions south of Egypt proper, including the area just defined, but often in such a vague way as to include both Lower Nubia and Abyssinia. A further element making for confusion is that present day Abyssinia is officially known as Ethiopia. Furthermore the modern inhabitants of the Sudan do not consider themselves "Ethiopians" and do not like having their country designated in this way.

The Egyptians of the New Kingdom referred to the "Southern Lands" by two terms: "Wawat" was equivalent to Lower Nubia, from Assuan to perhaps Wadi Halfa, "Kush" was to them the Nile Valley south of Wadi Halfa, centering at Napata and ruled by a viceroy with the title "King's Son of Kush." This Kingdom of Kush, in its subsequent independence, included Meroë and was, in its later phases, ruled from that city.

For these reasons in this and subsequent volumes we shall speak of Kush in preference to "Ethiopia."

DATING

Relative dating of the tombs in the royal cemeteries of Kush was worked out in its general lines by Reisner,¹ and has been carried into further detail, with a few minor modifications,

¹ G. A. Reisner, "The Meroitic Kingdom of Ethiopia: A Chronological Outline," in *Journal of Egyptian Archaeology*, ix (1923), 34-77, summarized *ibid.*, pp. 75-76. For the tombs preceding Pi'ankhy see G. A. Reisner, "The Discovery of the Tombs of the Egyptian XXVth Dynasty at El-Kurruw in Dongola Province," in *Sudan Notes and Records*, vol. II (1919), No. 4, pp. 237-254.

by the writer. Beginning with Kashta (*ca.* 760–751 B.C.)² sixty-five generations of rulers are indicated, with about five generations of ancestral forebears preceding him. An attempt has been made to place the great majority of the tombs, both royal and minor, in their proper places in the sequence. Those places are indicated as follows:

The five generations of the predecessors of Kashta are marked (*A*) to (*E*).

Kashta and his successors are numbered (1) to (65).

Tombs which cannot be assigned to a specific generation, but which fall within certain limits of date, are indicated thus: (3–7), (40–45), etc.

A full discussion of the chronology of the entire Kushite series of royal cemeteries is planned for a subsequent volume. Here it must suffice to deal only with the chronology of the tombs at El Kurru itself.

CHRONOLOGY OF THE TOMBS AT EL KURRU

The principal period during which the cemetery at El Kurru was used comprises twelve generations, the last seven of which are represented by the tombs of members of the royal family from Kashta to Atlanersa. Previous to the generation of Kashta there appear to be five generations of ancestral tombs which, at an estimate of twenty years per generation, would place the earliest of these ancestral burials (Ku.Tum. 1) at somewhere about 860 B.C. To these five ancestral generations — (*A*) to (*E*) — have been assigned, on the basis of the development of the burials and tomb structures, thirteen tombs. No names have been recovered from the excavations which could be assigned to any of these ancestral tombs.

Beginning with the kings of Napata we are in somewhat better case and can identify many of the later tombs by inscribed material found in them. Below will be found, chronologically grouped, the tombs assigned to the twelve generations of the ancestors and of the Napatan royal period at El Kurru, with the estimated date of each generation and with names and relationships where established.³ It should be noted that the dates assigned are those of the tomb, that is, of the generation in which the person died and was buried.

Generation	Date range	Tomb number, name, and relationship	
(<i>A</i>)	<i>ca.</i> 860–840 B.C.	Ku.Tum. 1, Tum. 4, Tum. 5	} No names found.
(<i>B</i>)	<i>ca.</i> 840–820 B.C.	Ku.Tum. 6, Ku. 19	
(<i>C</i>)	<i>ca.</i> 820–800 B.C.	Ku. 13, Ku. 14	

² See the Chronological Table.

³ I have based my chronology, with one slight modification, on the dates given by E. Drioton and J. Vandier, *Les Peuples de L'Orient Méditerranéen*, II: L'Égypte ("Clio," Introduction aux Études Historiques, 1), Paris, 1946, table on p. 541. Published twenty-three years after Reisner's "Chronological Outline" in *Journal of Egyptian Archaeology*, IX (1923), 34–77, this table eliminates, in the light of recent research, certain minor inconsistencies among Dynasties XXII–XXV which had become apparent after Reisner's study of the subject was made.

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<i>Generation</i>	<i>Date range</i>	<i>Tomb number, name, and relationship</i>
(D)	ca. 800-780 B.C.	Ku.Tum. 2, Ku. 9, Ku. 10, Ku. 11 } No names
(E)	ca. 780-760 B.C.	Ku. 21, Ku. 23 } found.
(1)	ca. 760-751 B.C.	Ku. 8. Probably tomb of KASHTA
(2)	751-716 B.C.	Ku. 17. Pi'ANKHY, son of KASHTA
		Ku. 7. Possibly Queen Pebatma, sister-wife of KASHTA
		Ku. 20. Name and sex unknown
		Ku. 22. Name and sex unknown
		Ku. 53. Queen Tabiry, wife of Pi'ANKHY, daughter of ALARA
		Ku. 54. Possibly Queen Peksater, wife of Pi'ANKHY, daughter of KASHTA
		Ku. 55. Probably a queen
		Ku. 221-224. Horses of Pi'ANKHY
(3)	716-701 B.C.	Ku. 15. SHABAKO (Reisner's Shabaka), son of KASHTA, brother of Pi'ANKHY
		Ku. 51. Probably a queen
		Ku. 52. Queen Nefrukekashta, wife of Pi'ANKHY
		Ku. 62. A queen
		Ku. 71. Probably a queen
		Ku. 201-208. Horses of SHABAKO
(4)	701-690 B.C.	Ku. 18. SHEBITKU (Reisner's Shabataka), son of Pi'ANKHY
		Ku. 72. Probably a queen
		Ku. 209-216. Horses of SHEBITKU
(5)	690-664 B.C.	King TAHARQA, buried at Nuri (Nu. 1), son of Pi'ANKHY
		Ku. 3. Queen Naparaye, daughter of Pi'ANKHY, wife of TAHARQA
		Ku. 4. Queen Kheñsa, daughter of KASHTA, wife of Pi'ANKHY
(6)	664-ca. 653 B.C.	Ku. 16. TANWETAMANI (Reisner's Tanutaman), son of SHEBITKU
		Ku. 5. Queen Qalhata, wife of SHEBITKU, mother of TANWETAMANI
		Ku. 6. Probably Queen Arty, perhaps to be identified with Pi'ankh-arty, daughter of Pi'ANKHY, wife of SHEBITKU, and, if this identification is correct, married to TANWETAMANI as her second husband
		Ku. 217-220. Horses of TANWETAMANI
(7)	ca. 653-643 B.C.	King ATLANERSA, buried at Nuri (Nu. 20), son of TAHARQA
		Ku. 61. A queen (?) of TANWETAMANI (?), buried by ATLANERSA (?)
(24)	ca. 362-342 B.C.	Ku. 1. A king (not identified) of the late Napatan period
		Ku. 2. A queen (not identified) contemporary with Ku. 1

POINTS OF THE COMPASS

It should be noted that some users of Reisner's preliminary reports dealing with the sites of El Kurru, Barkal, and Nuri have found his indications of orientation confusing.⁴ The difficulty is caused by the peculiar local manner of designating points of the compass. In the region of Napata the Nile flows from northeast to southwest, whereas through most of its course it runs from south to north. The local population in Upper Dongola is accustomed to orient itself by the river rather than by the actual points of the compass. Thus in local parlance "north" means downstream (actually southwest), and the sun rises in the "west." For practical convenience in field work, which involved constant verbal reference to directions addressed to the local workmen, it was found necessary to adopt their terminology, and the

⁴ E.g. I. E. S. Edwards, *The Pyramids of Egypt* (London: Penguin Books, 1947), pp. 202ff.

field records of the Expedition distinguished between the true points of the compass and the local directional terms by placing the latter in quotation marks: "N," "S," "E," and "W." In some of his preliminary writings Reisner "translated" these terms into normal usage, but in others he retained the quotation marks, and used them in their local sense. Readers unfamiliar with this practice have inevitably been confused by the apparent contradictions, and this statement is made here in the attempt to clarify the matter. In this publication the designations N, S, E, and W will be used in their normal sense.

THE SYSTEM OF REGISTRATION NUMBERS

Most of the objects referred to in this and subsequent volumes will be designated by their "Object Register" numbers. This register, together with the diaries, constitutes the major field record of the Expedition in which all finds were recorded from day to day as found. It gives a verbal description, usually with a scale drawing, measurements, material, date, and place of finding. Objects from several sources may be entered at the same time, or those from a single tomb may be entered over a period of several days, months, or in some cases years. The result is that the sequence of Object Register numbers is no necessary indication of the relation of different objects to one another. For example: in Ku.⁵ 15, the tomb of Shabako, 19-1-646 was the 646th object entered in January 1919, a jasper Udjat-amulet from the stair debris, while the next object entered from that place was 19-1-736. The objects designated by the intervening numbers were found in the work on the Barkal temples which was going on at the same time.

In a few instances important objects were never entered in the Object Register — perhaps because they were so important that they were set aside for special treatment such as photography and individual study by Reisner himself, or because they were not removed from the site to the Camp until long after their finding, or for some other unusual reason. These unregistered objects are listed in this publication after the registered objects.

At the end of this volume will be found a list of Object Register numbers of such objects as are in the Museum of Fine Arts, Boston. Those of them which have been incorporated into that Museum's exhibition collection are designated by an additional number, the official accession number of the Museum. A supplementary list, arranged in the order of accession numbers, will be found in the same place.

LOCATION OF THE SITES

The royal cemeteries of Kush to be dealt with in this series of publications are six in number and are divided between two general centers called Napata and Meroë which lie

⁵ See list of Abbreviations and Symbols, pp. xxi-xxii, above.

on the Nile, the first below the Fourth cataract and the second above the Fifth. Three cemeteries are associated with each of these centers and can be most conveniently located with reference to the latter.

Ancient Napata (see Map I, page 6), the capital during the earlier phases of Kushite culture, is closely associated with the great religious sanctuary of Amun which lies under the eastern edge of the spectacular butte-like "Holy Mountain" ⁶ of Gebel Barkal. This landmark rises about one mile west of the Nile in latitude $18^{\circ} 32' N.$, longitude $31^{\circ} 50' E.$, near the modern village and branch-line-railway and steamer terminal of Kareima. Kareima marks the head of navigation on the Dongola Reach, and steamers now ply from there as far downstream as Argo and Kerma, beyond which the Third cataract blocks further navigation for all but small boats. The exact location of the ancient administrative center of Napata has not been determined with certainty, but there is some evidence pointing to its having been at, or close to, the modern district headquarters of Merowe (not to be confused with ancient Meroë) which lies four miles downstream from Gebel Barkal on the east bank of the river.⁷

The three royal cemeteries in the Napatan region are *El Kurru* (Ku.), about one mile west of the Nile and about ten miles downstream from Gebel Barkal; *Nuri* (Nu.), about one mile south of the Nile and about six miles upstream from Gebel Barkal; and *Barkal* (Bar.), two small groups of pyramids lying close to Gebel Barkal on the south and west.

Two other ancient sites in the Napatan district have in the past been associated with it, but their prominent mounds have not as yet been subjected to scientific excavation. Both appear from superficial indications to be late, perhaps post-Meroitic or X-Group. They are Tangassi on the east bank about eleven miles downstream from Gebel Barkal, and Zuma on the west bank some fifteen miles below Barkal.

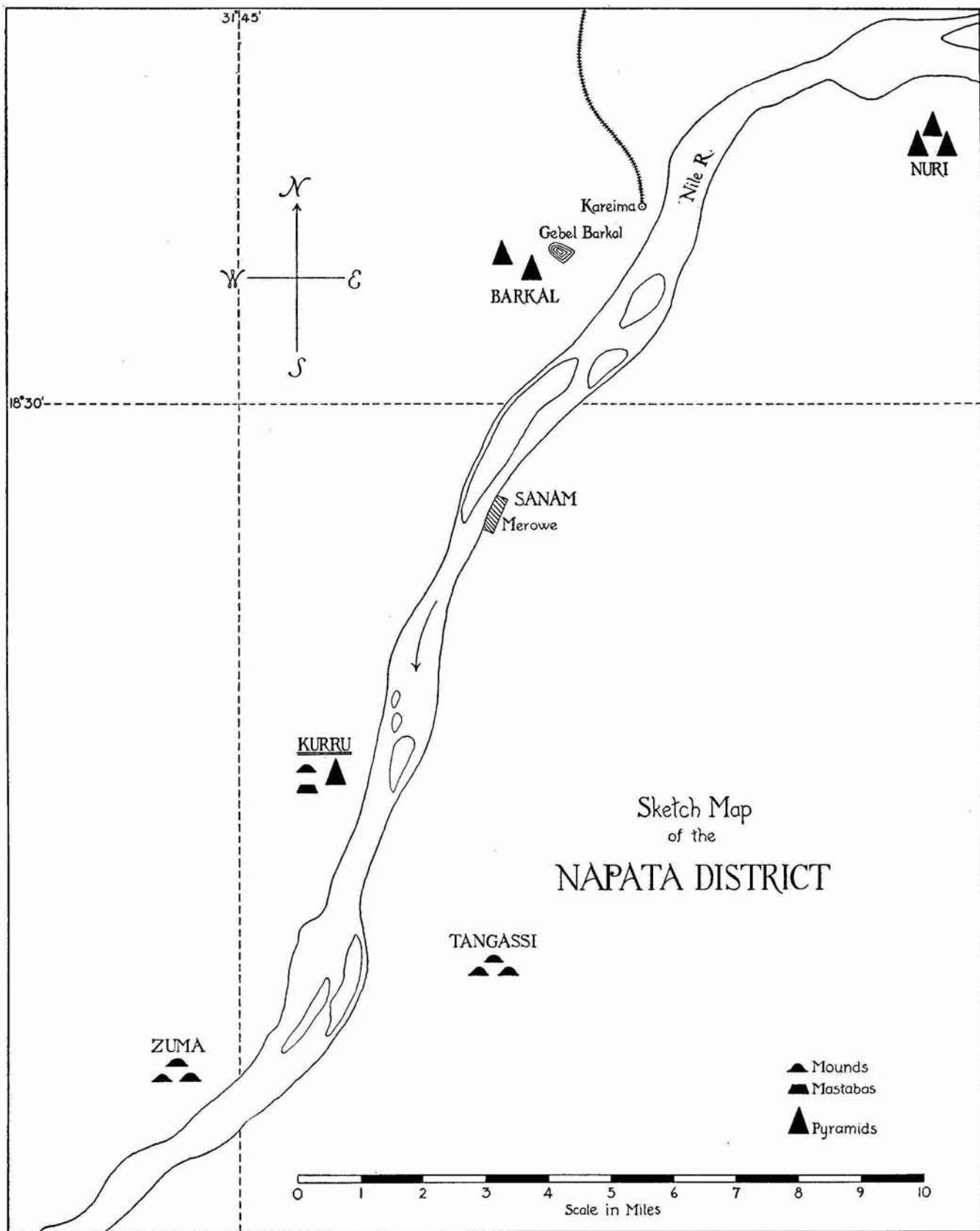
The ancient city of Meroë was the administrative center of Kush during the later phases of its culture, called Meroitic. In an air line it lies some 150 miles across the desert southeast of Gebel Barkal, via the ancient caravan track which is still used from time to time. Meroë lies on the east bank of the Nile in latitude $16^{\circ} 55' 15'' N.$, longitude $33^{\circ} 42' 30'' E.$, 213 kilometers or about 133 miles by rail north of Khartoum. The modern village of Begrawiyeh covers part of the ancient site, the principal landmark of which is the Temple of Amun.⁸

The three royal cemeteries of Meroë excavated by the Harvard University-Museum of Fine Arts Expedition lie east of the city where a wide plain extends back from the Nile for

⁶ Egyptian *dw-w'b*. See Gauthier, *Dictionnaire Géographique*, *sub. voc.*

⁷ See Griffith, "Excavations at Sanam," in *Liverpool Annals of Archaeology and Anthropology*, IX (1922), 77-124; X (1923), 73-171.

⁸ Parts of the city and its temples were excavated by John Garstang, and have been published by him in *Meroë, the City of the Ethiopians* (Oxford, 1911) and in a series of preliminary reports in *Liverpool Annals of Archaeology and Anthropology*, III (1910), 57-70; IV (1911), 45-71; V (1912), 73-83; VI (1913), 1-21; VII (1914), 1-24.



Map I

GENERAL OBSERVATIONS

some two miles. They are the *West Cemetery* (Beg.W.), about one and one-eighth miles east of the Temple of Amun, partly on a low knoll in the plain and partly in an extension east from it; the *North Cemetery* (Beg.N.), about two and a half miles east of the Temple of Amun and one and three-eighths miles east-northeast from the West Cemetery, crowning the ridge of one of the first rocky outposts of the eastern hills and extending down its eastern slope; the *South Cemetery* (Beg.S.), hardly more than an eighth of a mile south of the North Cemetery, across a sandy wadi, its older parts on the top of a rocky hill and its later buildings extending down the eastern slopes almost into the wadi.

HISTORY OF THE EXCAVATION OF THE ROYAL CEMETERIES OF KUSH

The excavation of the six royal cemeteries of Kush by the Harvard University-Museum of Fine Arts Egyptian Expedition under the direction of the late Dr. George A. Reisner occupied eight consecutive seasons from 1916 to 1923.

First Season (1916). Dr. Reisner, with the writer assisting, arrived at Kareima on January 24, 1916. The pyramids of Barkal were excavated while work on the temples of Gebel Barkal was proceeding. The main clearance of the lower group (Bar. 9 to 24) was accomplished by February 21, when work was started on the upper group (Bar. 1 to 8). Work at the pyramids ended on February 27. On March 10 a preliminary examination of the site at El Kurru was made, and on the following day Nuri was inspected for the first time. On March 23 work commenced at Nuri, but was terminated a month later after partial clearance of three of the major pyramids (Nu. 1, 5, and 8) only. On April 23 the first season's work was terminated. Throughout the season the main forces of the Expedition were concentrated at the temples of Gebel Barkal, and some minor clearances were undertaken at the Taharqa Temple, Sanam (excavated by Professor Griffith), but since this work is to be the subject of another publication it is not described here.

Second Season (1916-17). The entire season was devoted to the excavation of the Nuri Cemetery. Dr. Reisner was assisted by the late W. G. Kemp, recorder, and Robert Williams, architect, with Mrs. M. Travers Symons as secretary. On October 26, 1916, the head foreman Said Ahmed arrived to undertake preliminary heavy clearance work and was followed on November 7 by Mr. Kemp. On November 27 Dr. Reisner arrived and began the complete excavation of all the major tombs at Nuri, continuing without interruption on the site until May 10, 1917.

Third Season (1917-18). Dr. Reisner arrived for the season on December 17, 1917, with Mr. Kemp as assistant. The major effort of the season was devoted to continuing and completing the excavations at Nuri, which were terminated on April 18, 1918. The mounds of Tangassi and Zuma were inspected in February with a view to their possible excavation, but

were estimated to be non-royal and of late date, apparently similar to those excavated by the late Oric Bates and the writer at Gammal,⁹ and it was decided not to undertake work at these two sites. On March 13 preliminary clearance on the site of El Kurru was begun by Said Ahmed, and a month later Dr. Reisner visited the site, made a careful review of the evidence to date, and determined to undertake full-scale excavation the following season.

Fourth Season (1918-19). During this season the Expedition divided its attention between the temples at Gebel Barkal and the Kurru cemetery. On December 17, 1918, a gang of Egyptians under Said Ahmed arrived at Kareima to build a camp for the Expedition at Barkal. Dr. Reisner, with Mr. Kemp again assisting, arrived on December 31 and commenced work at the Barkal temples. On January 26, 1919, work was started at Kurru, and on the following day Said Ahmed moved there to take charge, reporting daily to Dr. Reisner who remained at Barkal. On January 29 Dr. Reisner visited the site to give general directions. On February 2, Ku. 15 was identified as the tomb of Shabako, on February 4, shawabti figures of Shebitku were found in Ku. 18, and on February 17, Ku. 16 was proven to be the tomb of Tanwetamani. With the identification of the pyramids of these kings of the Twenty-fifth Dynasty the importance of the site became manifest, and on February 4 Dr. Reisner decided to concentrate work on the site and gave orders for the construction of a camp there. Consequently, on February 20 work at Barkal was suspended for the season, and on the following day the Expedition took up quarters at Kurru. From February 21 to May 4, 1919, the full energies of the Expedition were devoted to the complete clearing and recording of this cemetery, which was finished by the latter date. Dr. Reisner returned to Barkal on May 5 and resumed work on that site for a few days while awaiting the reopening of travel facilities to Egypt, suspended on account of the serious disorders which had taken place during April 1919 in Cairo and Upper Egypt.

Fifth Season (1919-20). On December 10, 1919, the writer with a gang of Egyptians arrived at Barkal to continue clearance of the great Temple of Amun. He was joined by Said Ahmed on December 23 and by Dr. Reisner on February 3, 1920, the latter having just returned from a semester of teaching at Harvard. The season was devoted primarily to completion of work on the Barkal temples, but at intervals final examination of both the Barkal and Nuri pyramids was made, with special reference to recording their foundation deposits. At the end of March the foreman Said Ahmed and a small gang of Egyptians were sent to Meroë with orders to locate and clear the stairways of sample pyramids in the South Cemetery. Dr. Reisner and the writer followed on April 4 and set up temporary headquarters in the old Garstang house near the railway siding. In a brief ten-day period five pyramids and five other tombs were partially or completely cleared, two pyramids in the West Cemetery

⁹ Bates and Dunham, "Excavations at Gammal," in *Harvard African Studies*, VIII (1927), 1-121.

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were opened, and a careful survey of the North Cemetery was made, all with a view to the concentration of work at Meroë the following year. The Expedition departed for Egypt on April 16, 1920.

Sixth Season (1920-21). Said Ahmed and thirty-two Egyptians arrived at Meroë on January 1, 1921, and began to build a camp at the North Cemetery. A week later, on January 7, Dr. Reisner, with Ashton Sanborn to assist him, arrived and set up temporary quarters in the Garstang house, moving to the new camp on its completion the end of the month. Work during the season was divided between the South and North cemeteries, leaving the great West Cemetery for future attention. The first month was devoted exclusively to the South Cemetery, and work at the North Cemetery was not begun until February 13. From then, until March 26, work proceeded on both sites simultaneously, putting great strain on the technical staff in keeping up with the recording. On February 25, relief was afforded by the arrival of the late Lyman Story from the Boston Museum. By March 26 the South Cemetery was substantially completed, and the remainder of the season was spent at the North Cemetery. On April 10, active work stopped, Dr. Reisner and Mr. Sanborn returned to Egypt, and Mr. Story proceeded to Kareima to arrange for packing and shipping the antiquities from Barkal, Nuri, and Kurru which had been stored there.

Seventh Season (1921-22). The writer arrived at Meroë on November 21, 1921, with the foreman and a small gang of Egyptians who spent a week in repairing damage to the camp and workmen's quarters caused by the summer rains. A short visit to Khartoum, where he was the guest of Mr. J. W. Crowfoot, Director of Education, enabled the writer to study the archaeological material at Gordon College, and he returned to Meroë on November 28. On November 27 excavation in the North Cemetery was resumed. On January 8, 1922, the writer accompanied Mr. F. Addison of the Sudan Antiquities Service on a visit to the small desert site of Alem, subsequently reported on by Mr. Addison.¹⁰ A few more tombs in the South Cemetery and the large Queen's Pyramid in the wadi between the North and South cemeteries (Beg.S. 503) were excavated from January 12 to 18. A preliminary survey of the West Cemetery was made on January 15, and on January 19, excavation of this site was begun and digging at the North Cemetery was terminated.

On February 12 the writer was obliged to return to Egypt, leaving Said Ahmed in charge pending the arrival of Dr. Reisner, with instructions to continue surface clearing and the opening of stairways and to suspend all work on tomb chambers. On February 24, Dr. Reisner, With Mr. A. Goddard as assistant, reached Meroë, and full-scale work at the West Cemetery was resumed. Apart from minor clearing for survey work and the refilling of completed tombs in the North and South cemeteries, the remainder of the season was spent

¹⁰ "Alem, a Meroitic Site," in *Sudan Notes and Records*, v (1922), pp. 39-46.

on the West Cemetery, ending on April 13, 1922, when Dr. Reisner and Mr. Goddard left for Egypt.

Eighth Season (1922-23). On December 23, 1922, the writer, assisted by Mr. Goddard, arrived at Meroë and resumed excavation at the West Cemetery. Since all work was concentrated here at an inconvenient distance from the camp at the North Cemetery, an auxiliary camp was established at the West Cemetery and the staff moved there on January 14, 1923. On February 10, Dr. Reisner arrived from Egypt, bringing Mr. A. E. Austin, Jr., as his assistant, and took up quarters at the North Cemetery camp. The season's work continued to be concentrated at the West Cemetery, especially on the clearing of the large number of early graves on the western knoll, although some supplementary work of clarification, location of foundation deposits, and refilling of completed tombs was carried out at both the North and South cemeteries.

The final act of the season was the storage of all recorded but unwanted antiquities, such as broken pottery of the commoner types, in the burial chambers of Pyramid Beg.N. 9, together with a written record of the action sealed in a bottle. The doorway was then walled up and the stair refilled. This was done on the last two days of March 1923, and thus ended the series of campaigns of the Expedition at Napata and Meroë.

SUMMARY

KURRU	1916, March 10	First inspection of site.
	1918, March 13-April 13	Preliminary clearance.
	1919, January 16-May 4	Excavation completed.
NURI	1916, March 11	First inspection of site.
	March 16-April 23	Excavation begun.
	1916-17, November 27-May 10	Full season of excavation.
	1917-18, December 17-April 18	Excavation completed.
	1920	Final survey and refilling.
BARKAL	1916, January 24-February 27	Excavation started and finished.
	1920	Final survey and refilling.
MEROË SOUTH	1920, May 4-16	Started excavation; ten tombs examined.
	1921, January 7-March 26	Full season of excavation.
	1922, January 12-18	Excavation completed.
	March-April	Survey and refilling.
	1923	Survey and refilling completed.
MEROË NORTH	1920, May 4-16	Preliminary inspection of site.
	1921, February 13-April 10	Excavation begun.
	1921-22, November 27-January 19	Excavation completed.
	March-April	Survey and refilling.
	1923	Survey and refilling completed.
MEROË WEST	1920, May 4-16	Started excavation; two tombs examined.
	1922, January 15-April 13	Excavation begun.
	1922-23, December 23-March 31	Excavation completed.

CHAPTER II

The Cemetery of El Kurru

GENERAL DESCRIPTION OF THE CEMETERY

(See Map II)

The desert plateau on the west bank of the Nile, as it disintegrates in the gradual descent toward the river, is broken up by wadies running from northwest to southeast, formed by the action of rain through the ages. Two of these depressions, the North and South wadies, divide the cemetery into three parts, of which the central one, or Main Cemetery, is both the oldest and the most important. Before excavation it presented a rather discouraging appearance. At the northwest a low oval knoll, the highest point on the site, displayed an undulating surface, obviously disturbed, but without signs of definable structures. About fifty meters down the slope to the southeast a row of low more or less rectangular mounds running in a north-south direction indicated the presence of ancient structures which became known as the Main Row (Pl. I.A). In front of the Main Row rose the one prominent landmark on the site, a high mound which appeared, to judge by the plentiful dressed masonry blocks lying about its base, to be a ruined pyramid (Pl. v.c). To the north of this landmark, which was designated Ku. 1, were indications of two or more completely ruined structures similar in appearance to the Main Row behind. On an outlying spur to the north, and a little behind the Main Row, another low mound indicated some ruined structure.

Across the South Wady, about a hundred meters southwest of Ku. 1, a much smaller mound also showed indications of masonry construction, and this was designated Ku. 2. Behind it surface irregularities marked a row of ruined structures, similar in appearance to the Main Row in the central cemetery and approximately in line with it (Pl. I.B).

North of the North Wady a wide promontory of high ground juts out in a southeasterly direction. Before excavation there were no visible indications of ancient remains in the area, although later minute investigation revealed two important groups of graves. Of these the group Ku. 51-55 lies about two hundred and fifty meters north and slightly east of Ku. 1 (Pl. II.B), while the cemetery of horse graves, Ku. 201-224, is situated a hundred and twenty-five meters southeast of Ku. 51-55 and about two hundred meters from Ku. 1 (Pl. IV.A). Two more groups of tombs, Ku. 61-62 and Ku. 71-72, lie further north along the eastern edge of the plateau (see Map II and Plate III).

El Kurru is the earliest of all the Kushite royal cemeteries and is also the least well preserved in so far as the superstructures are concerned. Very severe plundering for building stone by the ancient local population has left only the barest traces of the original superstructures, and no burials were found intact. Nevertheless, the historical importance of the site is paramount, and its yield in material evidence was considerable. In fact the excavation of El Kurru has laid the basis for an understanding of the development of the Napatan royal tomb structure as well as for the chronological sequence of reigns, and the information on burial customs as well as on the artifacts deposited with the dead has facilitated the task of dating in the other cemeteries of the Kushite period.

DESCRIPTION OF TOMBS: EL KURRU
(In numerical order)

Ku. Tum. 1. (A). Figure 1a.

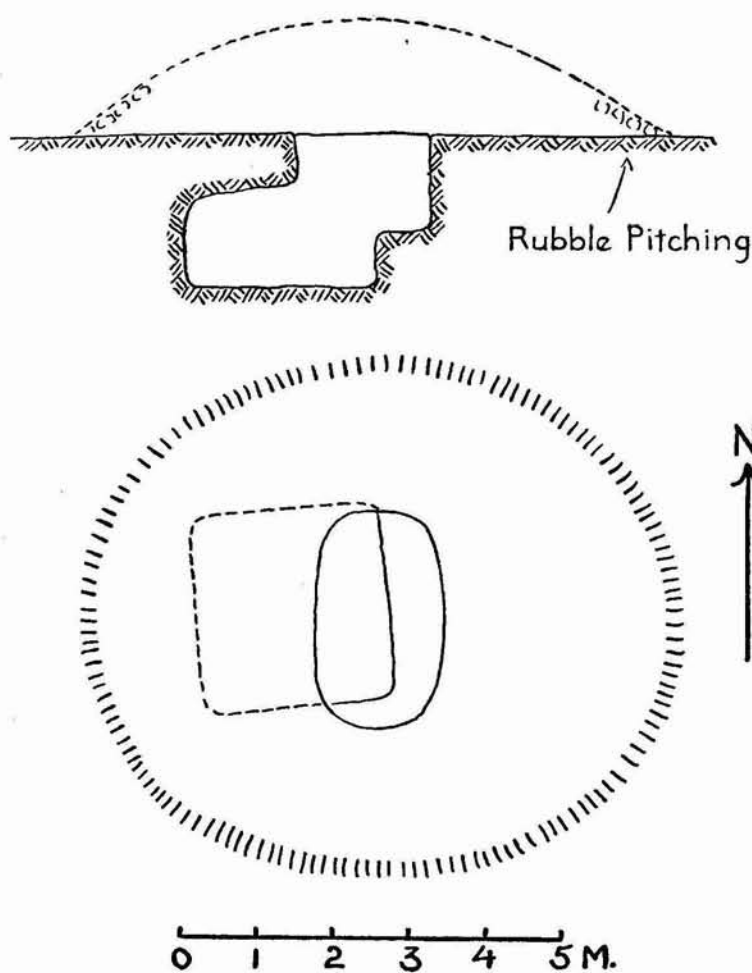


Figure 1a

SUPERSTR.	Circular gravel mound, rubble pitched, denuded. Diam. <i>ca.</i> 7.30 m.	19-3-353 Rim frag. of a bronze bowl. Fig. 1b.
ENCLOSURE	No trace.	358 Frag. large RW. basin, wheel made. Fig. 1b.
CHAPEL	No trace.	359, 360 Ivory arrow point and frags. of 5 more. Fig. 1c, Pl. LXXI.C 4/7-11 upper.
F.D.	None.	361 Six carnelian or chalcedony lunate arrow tips. Fig. 1c, Pl. LXXI.C 4/.
SUBSTR.	In center of mound: pit with side-chamber to W., oriented N-S. Step along E. side of pit. No trace of blocking.	362 Four hundred seventeen gold beads; ball, barrel and double cone. Fig. 1c, Pl. LVII.B 2.
BURIAL	Plundered. Few disturbed bones in NW. corner of chamber (Pl. v.A).	363 About 100 fai. beads; ring, ball, and barrel.
OBJECTS ¹	All disturbed in debris or from siftings, not necessarily part of the original deposit. 19-3-336 to 348, 350 to 370, 398, 399, 528 to 530. 19-4-179 to 186.	364 Five gold bar spacers, 7 holes. Pl. LVII.B 2.
19-3-338	Rim frags. FRW. bowl, wheel made, glazed and pol. Y. surface, Bk. Ptd. geometric dec. Fig. 1b.	365 Seven solid gold barrel beads. Fig. 1c, Pl. LVII.B 1.
342	Base of RW. jar, wheel made. Fig. 1b.	366 One hollow gold bottle pendant, flat backed. Fig. 1c.
343	Rim frags. alab. vase. Fig. 1b.	367 One diamond-shaped granulated gold pendant. Fig. 1c, Pl. LVII.B 2.
347	Six frags. of a blue fai. cup; lotus pattern in brown line dec. Fig. 1b.	(362, 364 and 367 are shown reconstructed in Pl. LVII.B 2.).
348	Eight frags. of a blue fai. straight-walled beaker, Br. line dec. at top and bottom. Fig. 1b.	369-370 Four flint or quartzite tanged arrow-heads. Fig. 1c, Pl. LXXI.C 4/1-4.
350	Seven frags. blue fai. shallow bowl; crude Bk. line dec. inside. Fig. 1b.	399 Human bones from NW. corner of chamber. Pl. v.A.

¹ Only objects of possible significance or interest are listed in detail in these catalogues of objects. In Ku. Tum. I, for example, 19-3-336, several charred dum nuts, and 19-3-337, frags. of charcoal, both found in siftings, are not listed. It has been felt that complete entry of such finds would only encumber and confuse the record: those interested can obtain a complete list from the original excavation records on file in the Museum of Fine Arts, Boston. The writer has exercised his best judgment in making such omissions throughout the following pages.

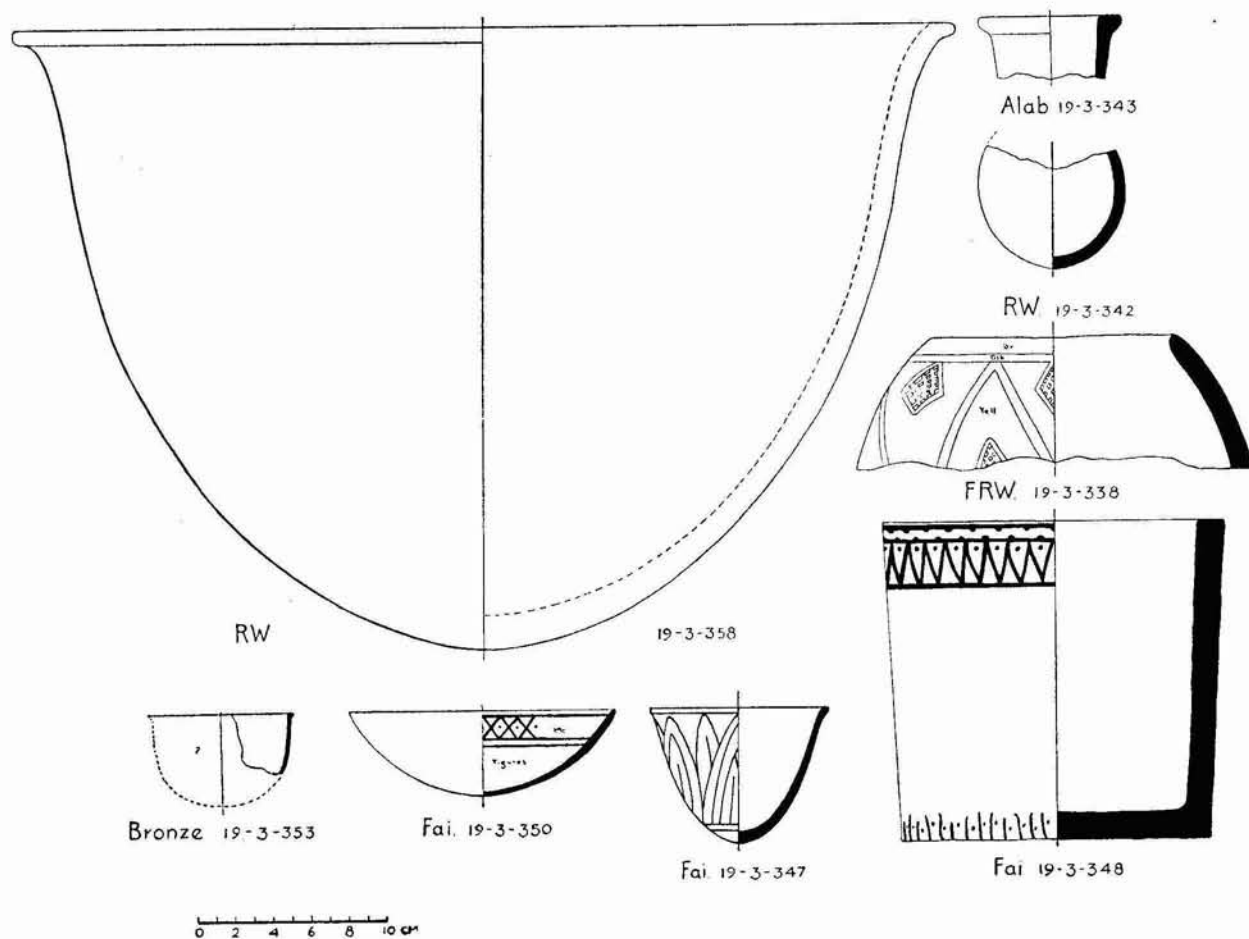


Figure 1b

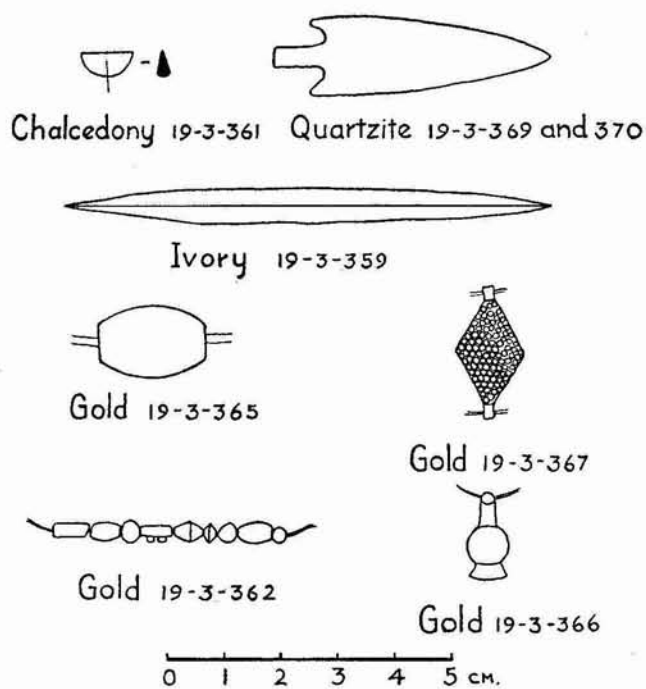


Figure 1c

Ku. Tum. 2. (A), Figure 2a.

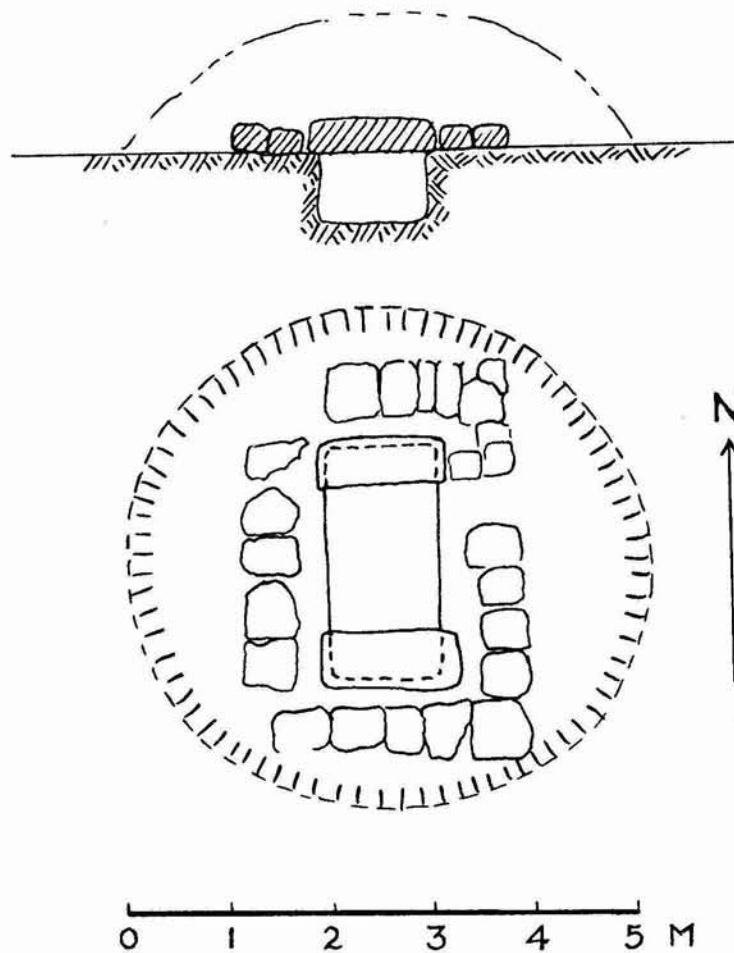


Figure 2a

SUPERSTR.	Circular gravel mound, probably rubble-pitched, denuded away. Diam. <i>ca.</i> 5.00 m.
ENCLOSURE	No trace.
CHAPEL	No trace.
F.D.	None.
SUBSTR.	In center of mound: shallow open pit grave, oriented N-S. Roofed with transverse stone slabs. Remains of roughly rectangular stonework within mound.
BURIAL	Body on right side, head S. Central portion plundered out; arms and one leg disturbed (Pl. v.B). Head and chest intact with jewelry in place (Pl. v.D).
OBJECTS	19-3-391 to 397, 400 to 405, 414 to 419, 531 to 535; all in disturbed debris. Also unregistered objects in position: Tum. 2. #1 to #6.

	19-3-391, 417 Three tangleless flint arrowheads. Fig. 2c, Pl. LXXI.C 1/1-2.
	392 Bones of original burial. Pl. v.B, D.
	397 Frags. Pol. RW. bowl. Fig. 2b.
	418 Eleven flint lunate arrow tips. Fig. 2c, Pl. LXXI.C 1/3.
#1.	Necklace of 16 large double-cone gold beads (Fig. 2c), from which were suspended as pendants #5 and #6 below. The whole, Pl. LVII.B 6.
#2.	Necklace of 27 gold Udjats alternating with 25 garnet ball beads. Pl. LIIA-B, Pl. LVII.B 5.
#3.	Plain gold finger ring, on left hand. Pl. LVII.B 3.
#4.	Gold earring, at head. Fig. 2c, Pl. LVII.B 4.

- #5. Gold amulet: double figure of Pataikos and a hawk-headed deity, strung with #1. Pl. LII.A-B, Pl. LVII.B 6.

#6.

- Natural gold nugget, bored, and inscribed with hieroglyphs: strung with #1. Fig. 2d, Pl. LII.A-B, Pl. LVII.B 6.

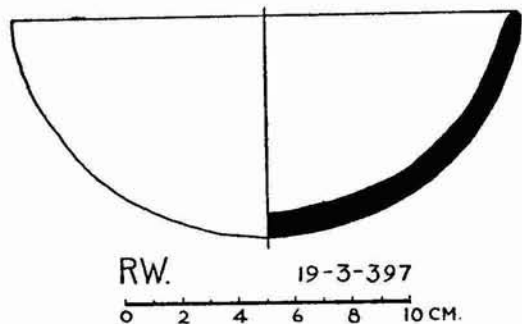


Figure 2b

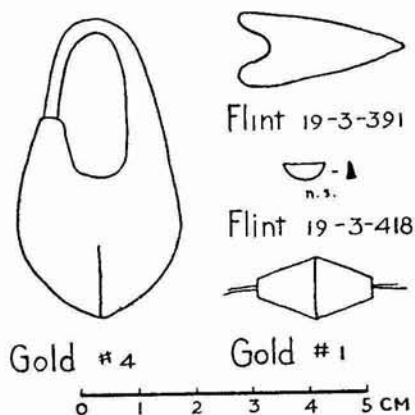


Figure 2c

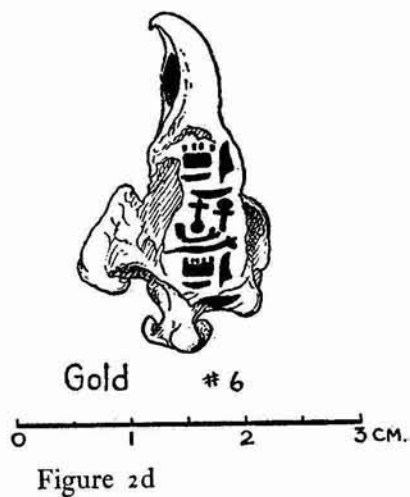


Figure 2d

Ku. Tum. 3. See Ku. 14.

Ku. Tum. 4. (A).

SUPERSTR.	Same as Tum. 1, but smaller. Diam. <i>ca.</i> 6.00 m.
ENCLOSURE	No trace.
CHAPEL	No trace.
F.D.	None.
SUBSTR.	Same as Tum. 1.
BURIAL	Completely plundered out; frags. of bones in debris.
OBJECTS	19-3-406 to 413, 420 to 433, 536; all in debris or from siftings.

19-3-407 Frags. Pol. RW. bowl. Fig. 3a.

409 Frags. RW. pot, wheel made. Fig. 3a.

410 Frags. Pol. RW. bowl. Fig. 3a.

411 Frags. from neck of large PRW. jar, wheel made. Fig. 3a.

420 Twenty-two flint or carn. lunate arrow tips. Fig. 3b, Pl. LXXI.C 2/all.

19-3-421 Eleven flint and quartzite tanged arrow-heads. Fig. 3b, Pl. LXXI.C 3/all.

423 Two frags. of ivory arrow points as in Tum. 1.

424 About 100 fai. ball beads.

425 Fifty-four carn. ball beads. Fig. 3b.

426 Thirty-eight carn. barrel beads. Fig. 3b.

427 Two hundred and eight small carn. ball beads.

428 Fifty-three flat beads. Fig. 3b.

429, 430 Eighty-three gold ball beads.

431, 432 Three hundred and forty-nine gold barrel beads of two different shapes. Fig. 3b.

433 One hundred and sixty small gold ball or ring beads.

536 A few decayed human bones.

Four necklaces made up from the above beads are shown on Pl. LVII.B 7-10, as follows:

String 7 (top) 19-3-427 and 433.

String 8 19-3-431 and 432.

String 9 19-3-426, 429, and 430.

String 10 19-3-425 and 428.

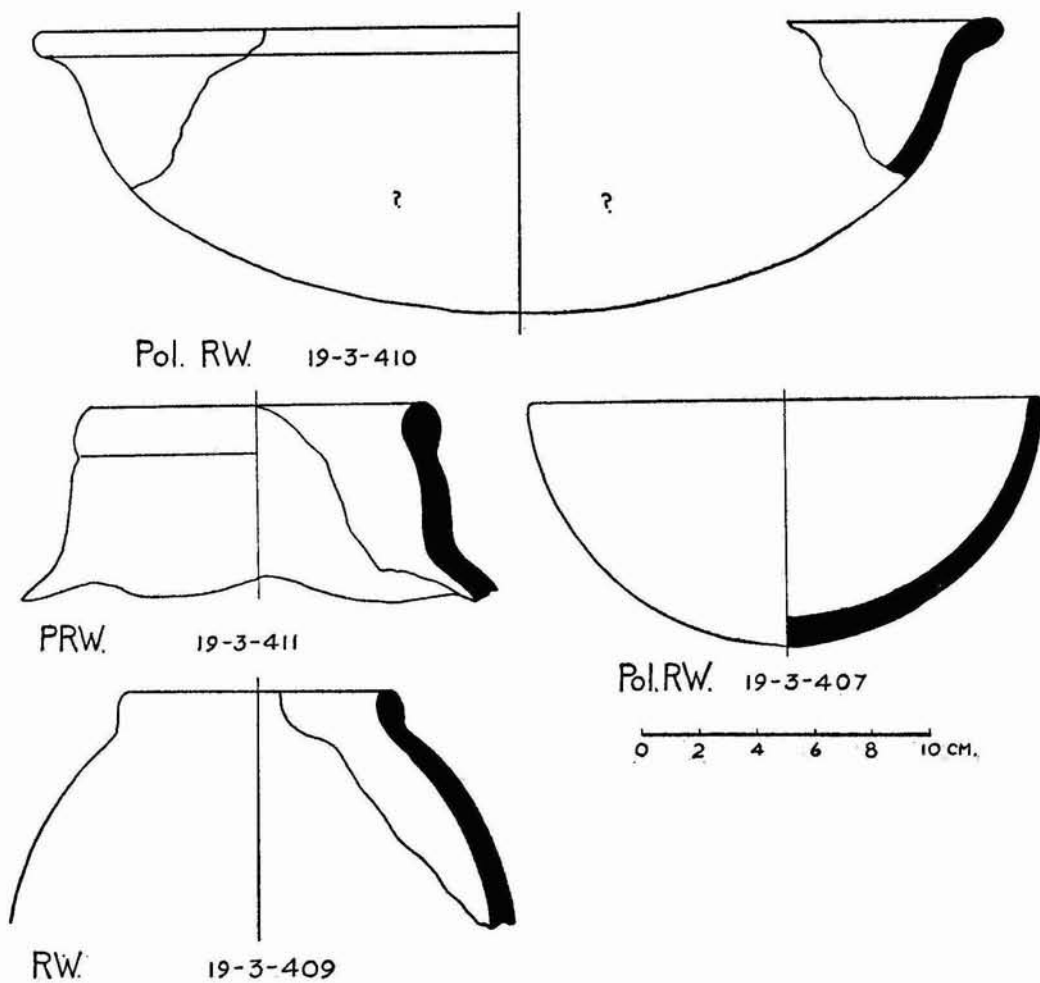


Figure 3a

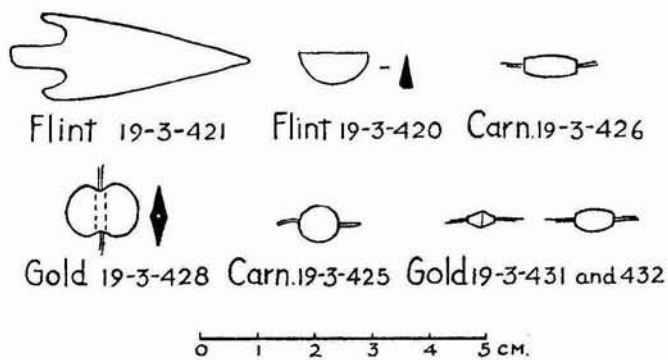


Figure 3b

Ku. Tum. 5. (A) Fig. 4a (plan only).

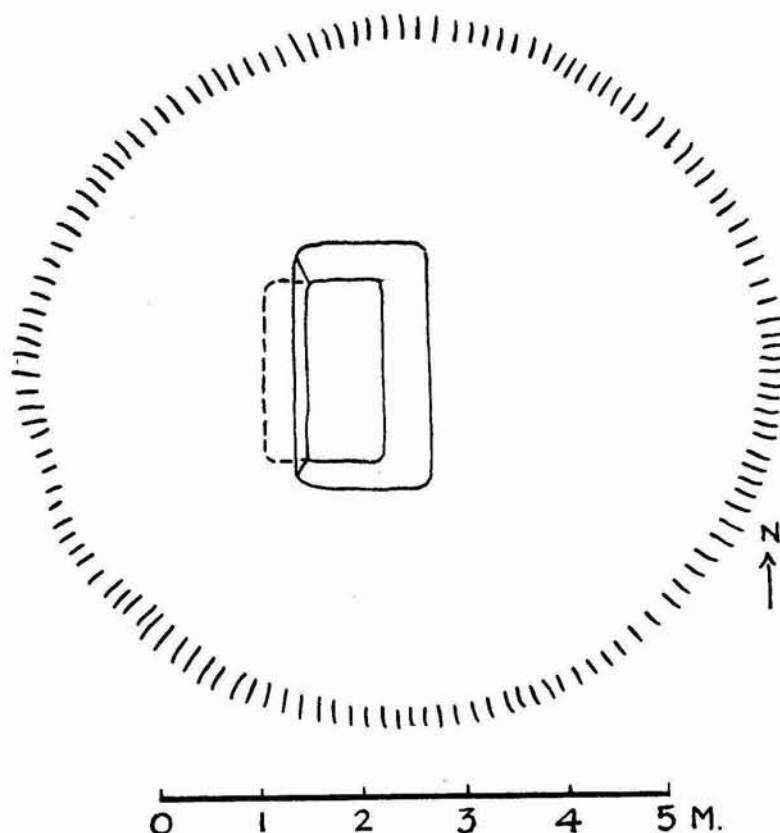


Figure 4a

SUPERSTR.	Circular gravel mound like Tum. 1, denuded. Diam. ca. 7.00 m.
ENCLOSURE	No trace.
CHAPEL	No trace.
F.D.	None
SUBSTR.	Pit with side chamber on W., oriented N-S., similar to Tum. 1 but with a step extending around N. and S. ends and less undercutting of chamber.
BURIAL	Completely plundered out.
OBJECTS	19-3-589 to 601 from debris and siftings only; 19-3-859 from original body of mound.
	19-3-590 One carn. ring bead.
	592 Eight scraps of worked ivory.

19-3-593 Two frags. of a thin-walled slate vessel, apparently part of 19-3-493 found in Ku. 4 (*q.v.*)

595, 601 Many frags. of burnished black-centered HBrW. vessels with inc. dec., of which other frags. were found in stair of Ku. 1 (19-3-924), (undoubtedly late and intrusive here). Fig. 4b.

596 Four frags. of 2 fai. shawabti figures of Pi'ankhy.

859 Parts of ca. 9 mud jar sealings, uninscribed.

The remainder are misc. pottery, faience, and alabaster vessel frags. too indeterminate for reconstruction. *N.B.*: 19-3-593, 595 plus 601, and 596 appear to come from widespread plundering of the cemetery.

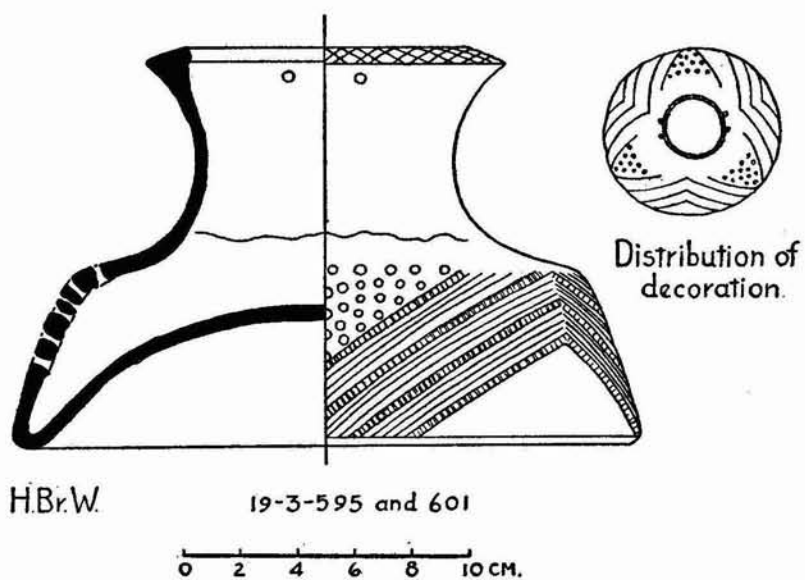


Figure 4b

Ku. Tum. 6. (B) Fig. 5a, Pl. IV.B.

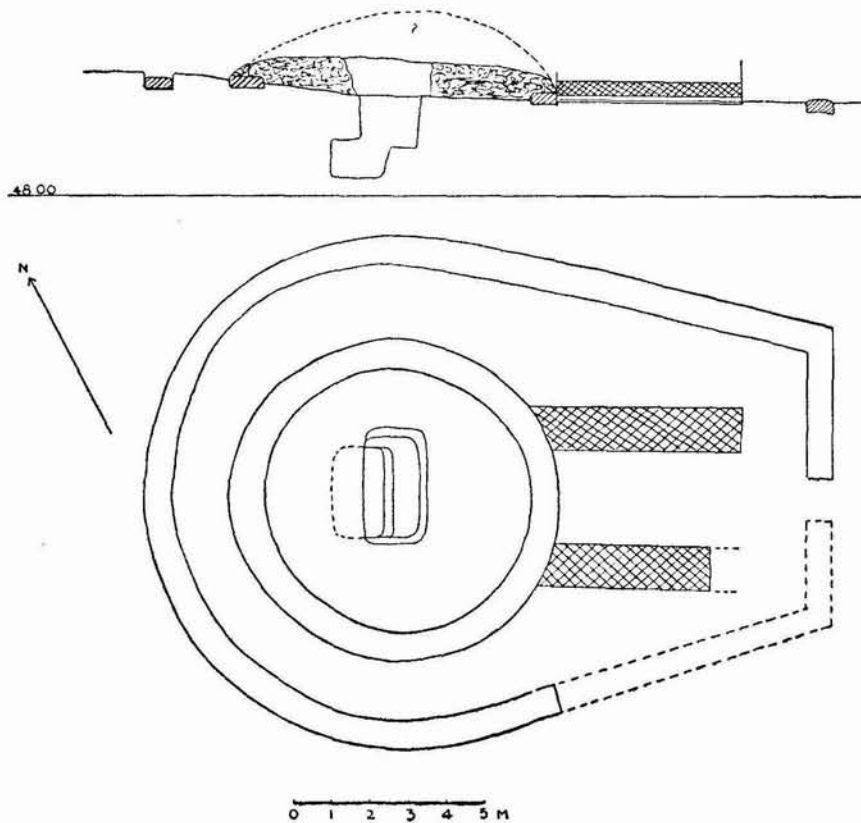
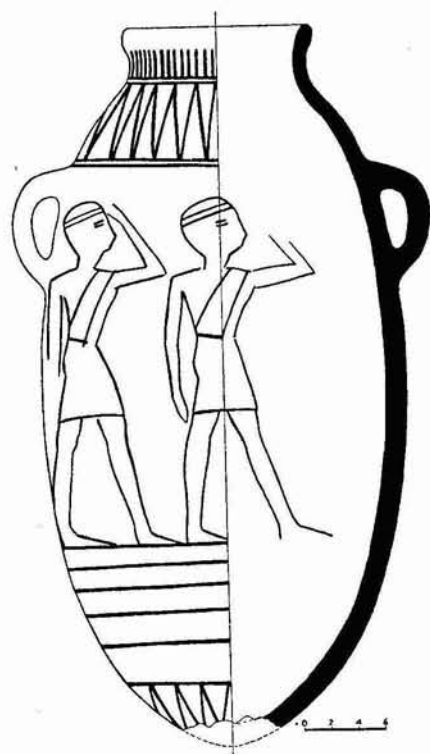
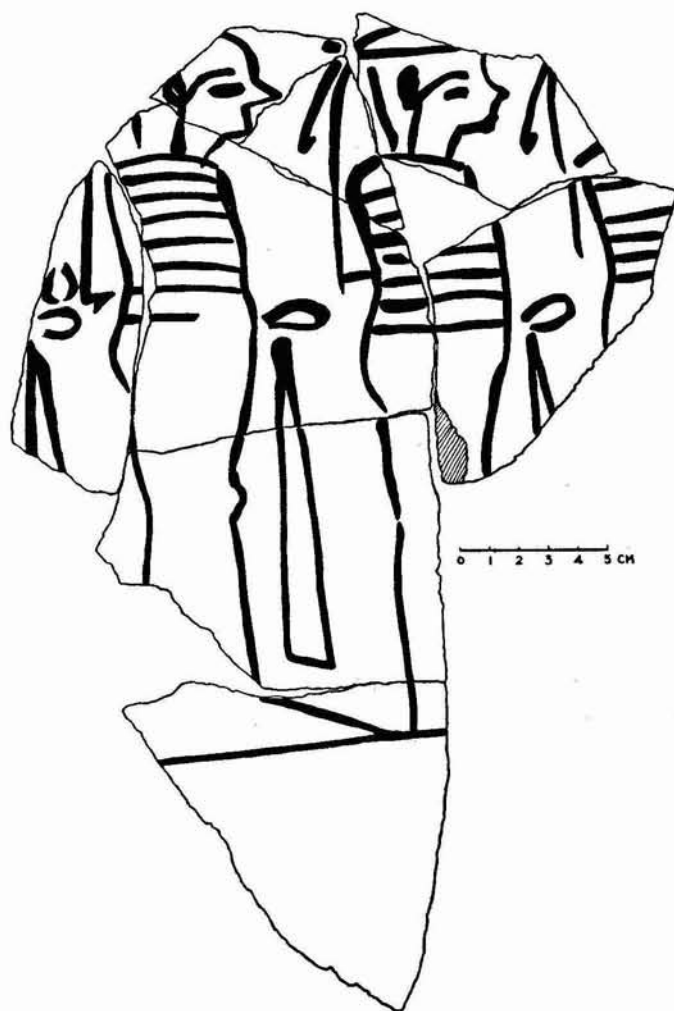


Figure 5a

SUPERSTR.	Circular rubble mound with masonry f.c. and masonry casing. Diam. <i>ca.</i> 8.50 m.	OBJECTS	19-3-624 to 627, 701 to 704 in thieves' debris; 19-3-906 to 911 from enclosure.
ENCLOSURE	Masonry, horseshoe form.	19-3-626	Blue fai. rosette with 4 holes. Fig. 5d.
CHAPEL	Mud-brick, plain.	704	Broken blue fai. rectangular plaque; illegible design in dark blue; holes at 4 corners. Fig. 5d.
F.D.	None.	907	Frgs. of 4 to 6 large two-handled jars of RPol. RW., ptd. in crude Wh. lines with human figures. Fig. 5b, c.
SUBSTR.	In center of mound: pit with side chamber on W., oriented N-S; step on E. extending round N. end.		The remainder are misc. fai. and pottery sherds too fragmentary and indeterminate for reconstruction.
BURIAL	Completely plundered out.		



RW Prd. 19-3-907

Figure 5b

RW. Prd. 19-3-907

Figure 5c



Fai 19-3-626



Fai 19-3-704

0 1 2 3 4 5 cm

Figure 5d

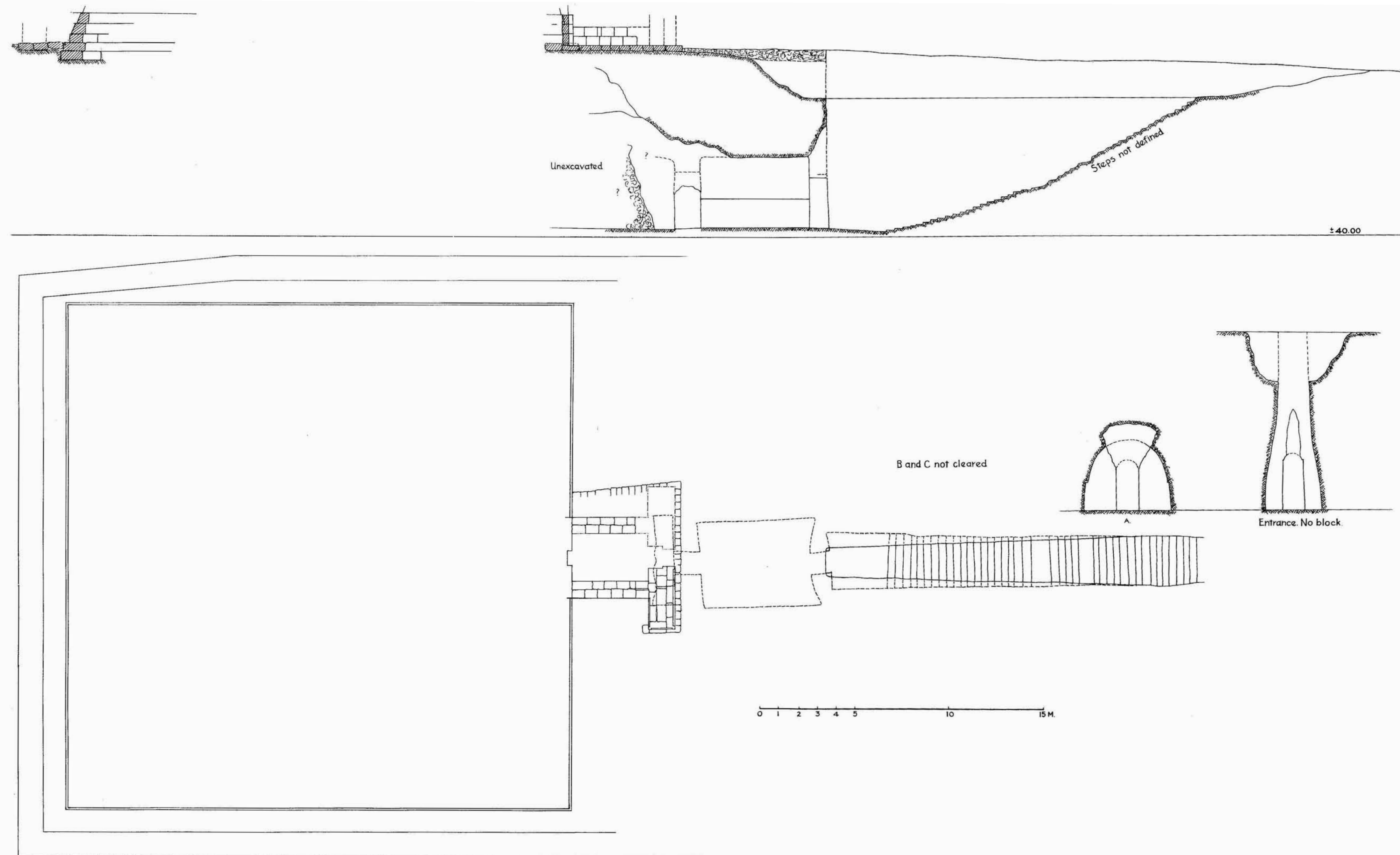


Figure 6

Ku. 1. (24) Fig. 6, Pl. v.c, E. King, name not recovered.

- SUPERSTR.** Sandstone masonry pyramid on plinth course; stepped courses, plain corners. Size: 26.65 m. (on c. 1).
- ENCLOSURE** Sandstone masonry; front destroyed.
- CHAPEL** Sandstone masonry; pylon with recessed doorway and square corner moldings. Empty niche in W. wall. Reliefs in part preserved. W. wall (Pl. vi.c); S. wall (Pl. vi.A-B) king seated before table of offerings with queen standing behind him, faced by procession of offering bearers; upper part lost. N. wall largely destroyed.
- F.D.** Calf bones; pottery; grinder and rubber; uninscr. stone, metal and paste tablets; bronze and iron model tools. Preserved at all 4 corners. (Pl. vi.D-E).
- SUBSTR.** Stair in front of chapel. Plain high doorway, round topped, offset at spring.¹ Blocking destroyed. Only one chamber excavated (there were at least two), had high vaulted roof, offset at spring.
- BURIAL** No evidence (not excavated; dangerous conditions prevented completion of substr. clearance).
- OBJECTS** 18-4-470 to 487 F.D., SW.; 18-4-488 to 510 F.D., SE.; 18-4-511 to 513, 517 from debris in preliminary clearing of chapel and stair; 19-2-554 to 558 stair; 19-3-349 F.D., NE.; 19-3-537, 912 to 930 from stair debris; 19-4-207 to 225 F.D., NW.; 19-4-226 to 253 F.D., NE.
- 19-2-557 Frags. RW. globular bowl, Br. Ptd. Dec. Fig. 7a.
- 19-3-537 Frag. from edge of fai. offering basin with part of hieroglyphic inscr. including a cartouche, possibly that of Kashta. Fig. 7c, Pl. xxxii.c.

- 19-3-912 Frags. small RW. saucer. Fig. 7a.
- 913 Frags. FRW. bowl, cream Sl., impressed dec. on rim (Christian?). Fig. 7a.
- 915 Frags. RPol. RW. bowl. Fig. 7a.
- 917 Frags. RW. pot. Fig. 7a.
- 919 Rim and neck frag. of a RW. jar. Fig. 7a.
- 920 Frags. from rim and shoulder of a large RW. pot, RPol. exterior, interior surface Bk. Fig. 7a.
- 924 Sherds of Bk. centered HBrW. with inc. dec., fitting others from Tum. 5 (cf. 19-3-595 + 601, Fig. 4b).
Repertory of the 4 sets of F.D.s. Fig. 7a (pottery), Fig. 7b (tablets and models); Pl. LXXIII.A (tablets and models, NE.), Pl. LXXIII.B (pottery etc. SE.).

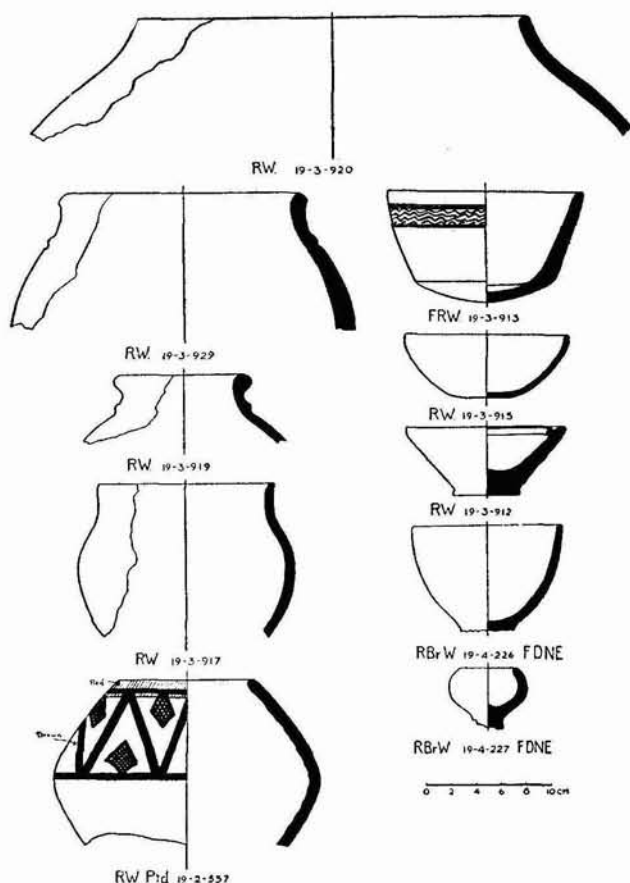


Figure 7a

¹ See Chart II, p. 129, Chamber Vaulting IV.

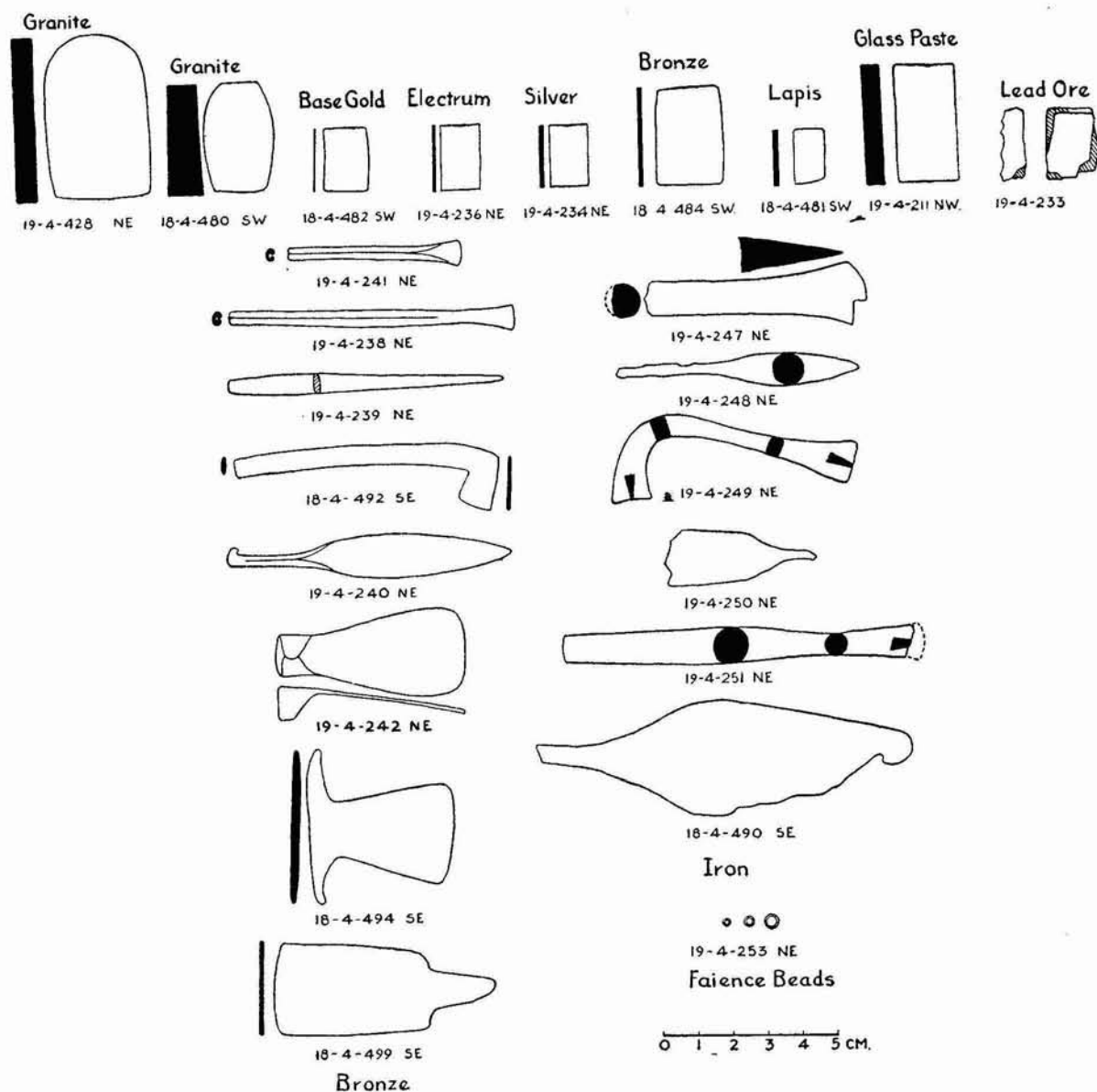


Figure 7b



Figure 7c

Ku. 2. (24) Fig. 8. Pl. VII.A. Queen, name not recovered.

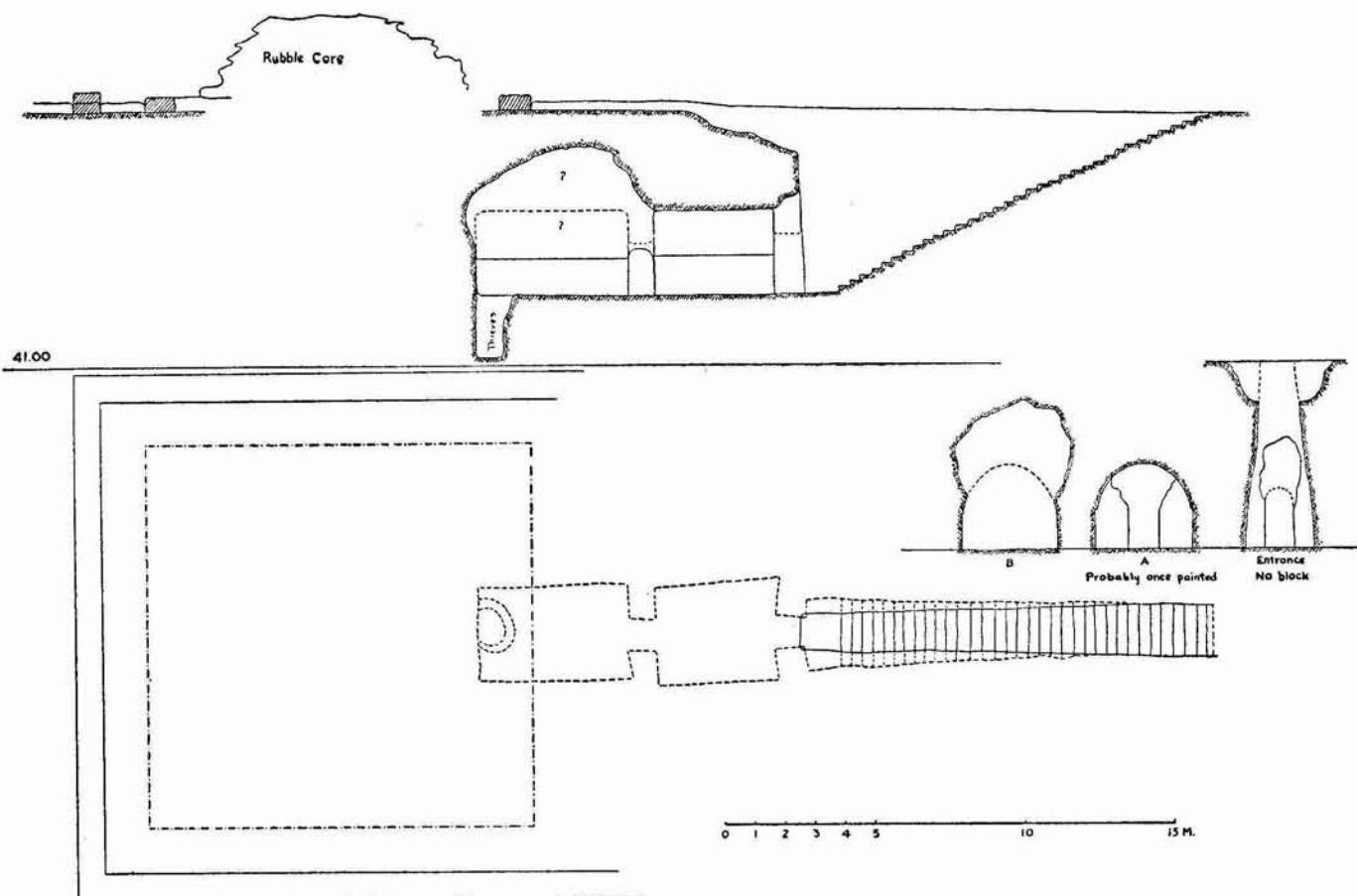


Figure 8

SUPERSTR.	Sandstone masonry pyramid destroyed (rubble core and a few blocks of f.c. only remain). <i>ca.</i> 12.00 m. sq.
ENCLOSURE	Sandstone masonry; front destroyed.
CHAPEL	No trace remaining.
F.D.	Four corners. Calf bones; pottery; grinder and rubber; uninscr. tablets of stone, metal, and fai.; bronze and wooden model tools (Pl. VII.B-C).
SUBSTR.	Stair in front of chapel. Plain doorway, top destroyed. Two rectangular chambers with high vaulted roofs offset at spring. No thresholds or steps.

BURIAL OBJECTS

Completely plundered out.

The four F.D.s only were registered: 18-3-802 to 822 F.D., SE.; 823 to 832 F.D., NE.; 833 to 854 F.D., NW.; and 855 to 876 F.D., SW. Three pottery vessels found in thieves' debris and probably intrusive were not registered: they are shown on Fig. 9a. Repertory of F.D.s Fig. 9a (pottery), Fig. 9b (tablets and models); Pl. LXXIII.C (tablets and models, SW.), Pl. LXXIII.D (pottery, etc.). *N.B.*: A few crude fai. shawabti figures of late type found in Ku. 6 (*q.v.*), are thought to have originated in Ku. 2. Pl. XLVII.G.

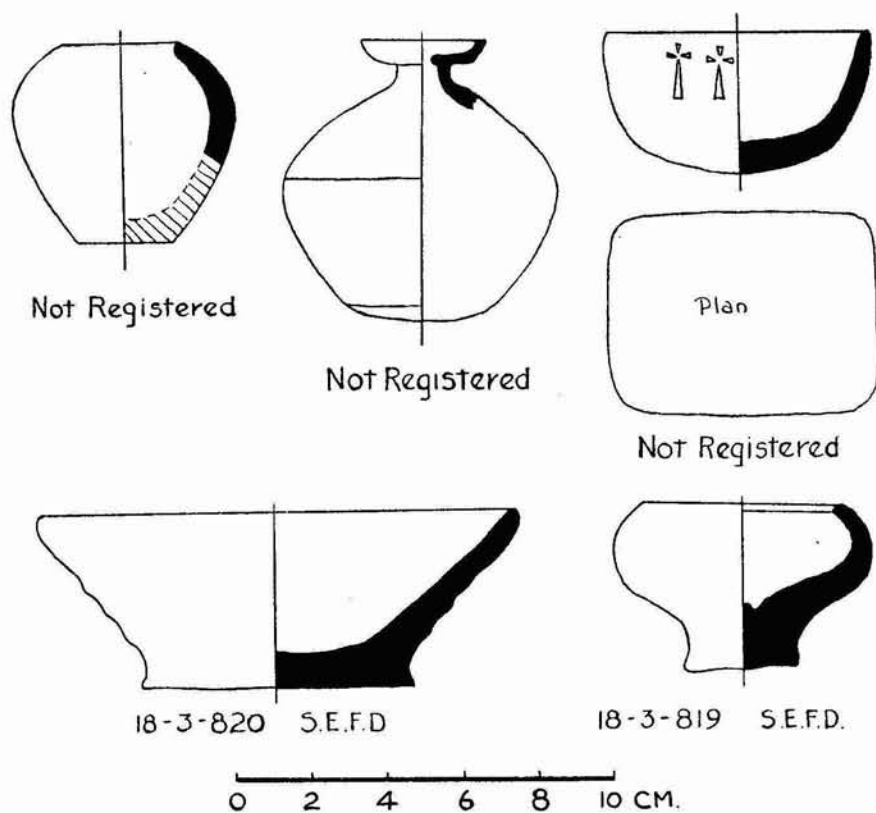


Figure 9a

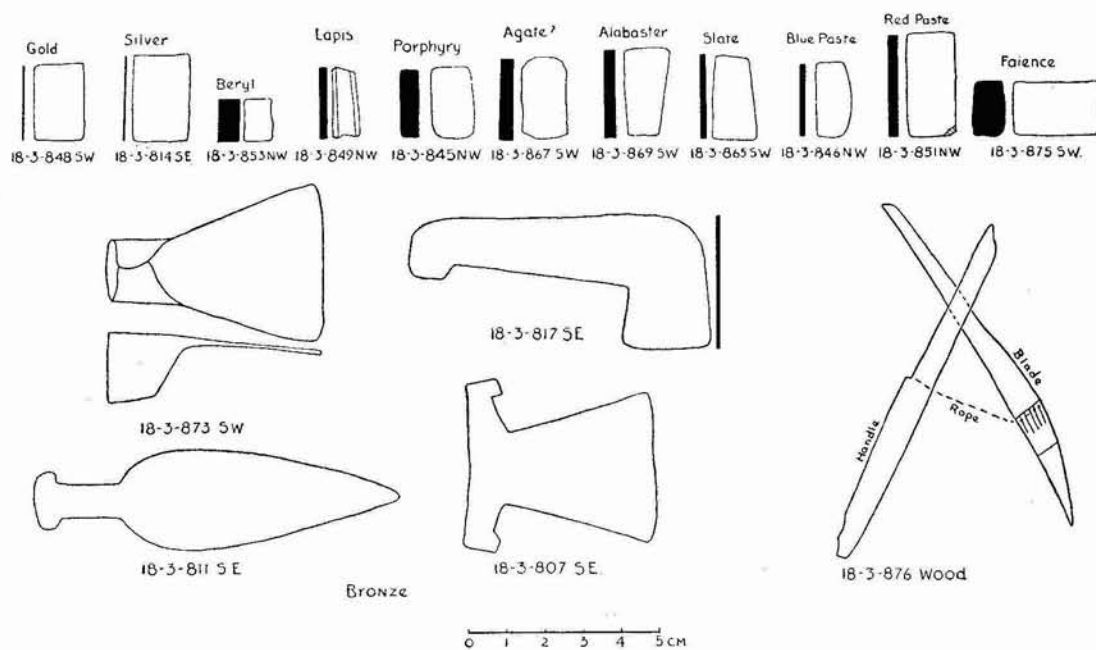


Figure 9b

Ku. 3. (5) Fig. 10a. Queen Nāparaye, daughter of Pt'ANKHY, sister-wife of TAHARQA.

Found Course only in part

Chapel destroyed

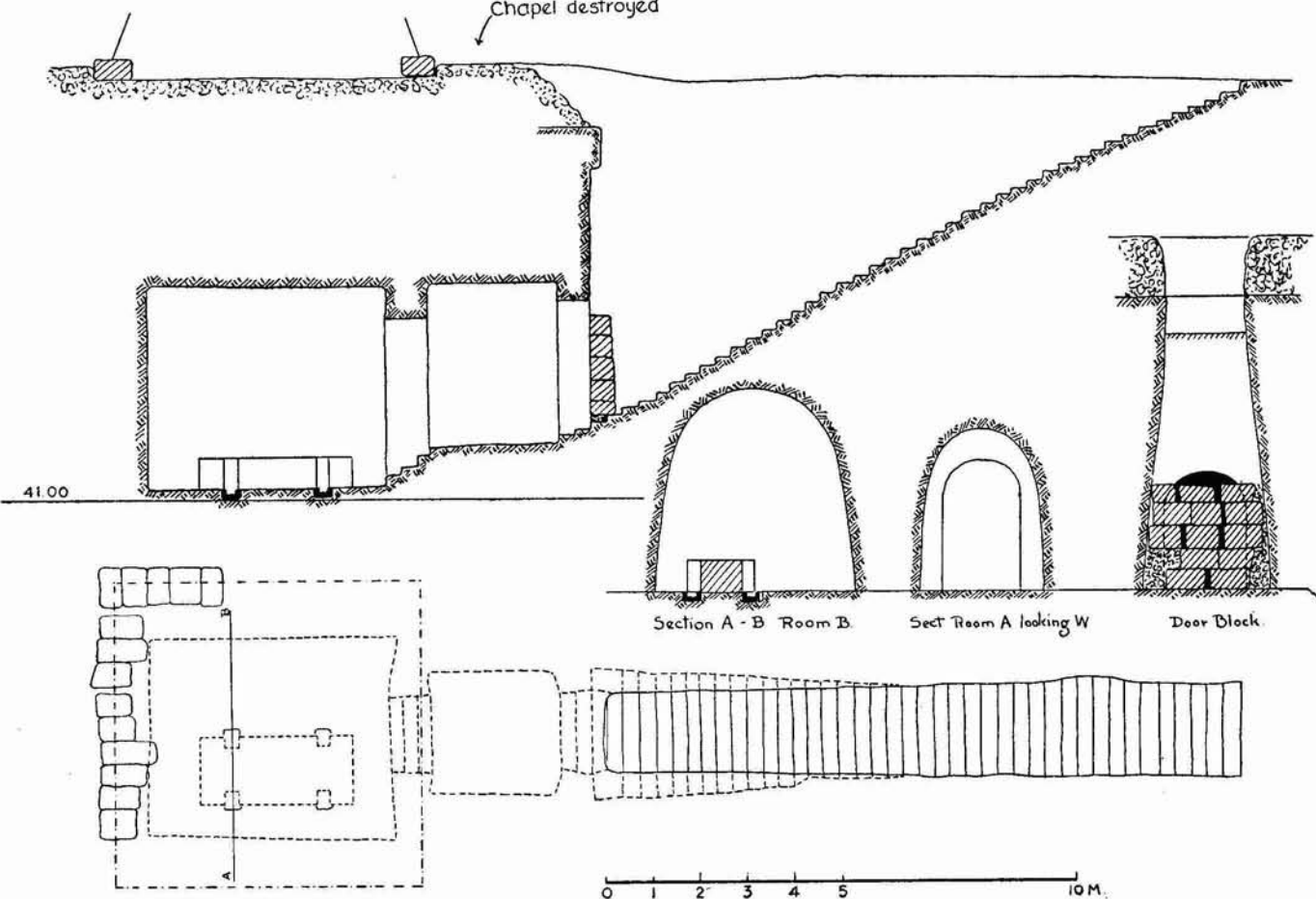


Figure 10a

SUPERSTR. Sandstone masonry pyramid destroyed (traces of masonry f.c. only). ca. 6.50 m. sq.

ENCLOSURE No trace.

CHAPEL No trace.

F.D. None.

SUBSTR. Stair in front of chapel. Plain round-topped doorway. Door-block of masonry in front of jambs (Pl. VII.D). Two chambers: A, rectangular 2.70 × 2.60 m., high vaulted roof, 2 steps down in doorway; B, rectangular 5.10 × 4.30 m., high vaulted roof, 3 steps down in doorway. Free-standing masonry bench (Pl. VII.E), S. of axis, cut out for bed legs which stood in alab. boxes sunk into floor.

BURIAL

Completely plundered out.

OBJECTS

- 19-2-404, 473 to 477 T.D. in stair;
19-3-47 to 57 T.D. before door-block;
19-3-295 to 297 debris Chamber A;
19-3-574, 575, 580 to 582 debris Chamber B; 19-3-583 to 588 debris Chamber A; 19-3-602 to 623 debris Chambers A and B; 19-4-203a and b shawabti figures from debris in Chambers A and B.
- 19-2-404 Frag. of inscr. alab. vase. Fig. 10c.
- 19-3- 47 Frags. hemispherical bronze bowl, silver-plated outside. Fig. 10b.
- 48 to 50 Frags. of one or more large RW. beakers. Fig. 10b.
- 295 Frag. Y. glazed fai. "swimming girl" toilet spoon. Pl. LIX.H-1.
- 574 Alab. canopic jar lid; ape head. Pl. XXXVII.H.

19-3-575 Alab. canopic jar lid; hawk head. Pl. xxxvii.h.

580 Neck of HRW. jar. Fig. 10b.

581 Frags. PRW. jar with loop handles. Fig. 10b (not to scale).

582 Frags. RW. jar; rim missing. Fig. 10b.

583 Alab. half of a mummy eye.

588 Alab. offering table with bordering incised hieroglyphic inscription giving name and titles of Neparaye. Offerings in relief in central field. Pl. xxxi.b.

602 Three frags. of a blue fai. plant-like object in the round. Blue-gray body. Fig. 10c.

19-3-610 Two frags. from body of a cock: blue fai. with incised and Bk. ptd. details. Fig. 10c.

623 Frag. Pol. RW. bowl. Fig. 10b.

19-4-203 Frags. of fai. shawabti figures of 2 types:

a. Frags. of 10 figures; half molded, rough dressed back. Beard, lappet wig, no queue, no uraeus. Pl. XLVII.B 2/.

b. Frags. of 21 figures; half molded, rough dressed back. No beard, lappet wig, broad queue, no uraeus. Pl. XLVII.B 1/. (Type a. may be intrusive from Ku. 4.)

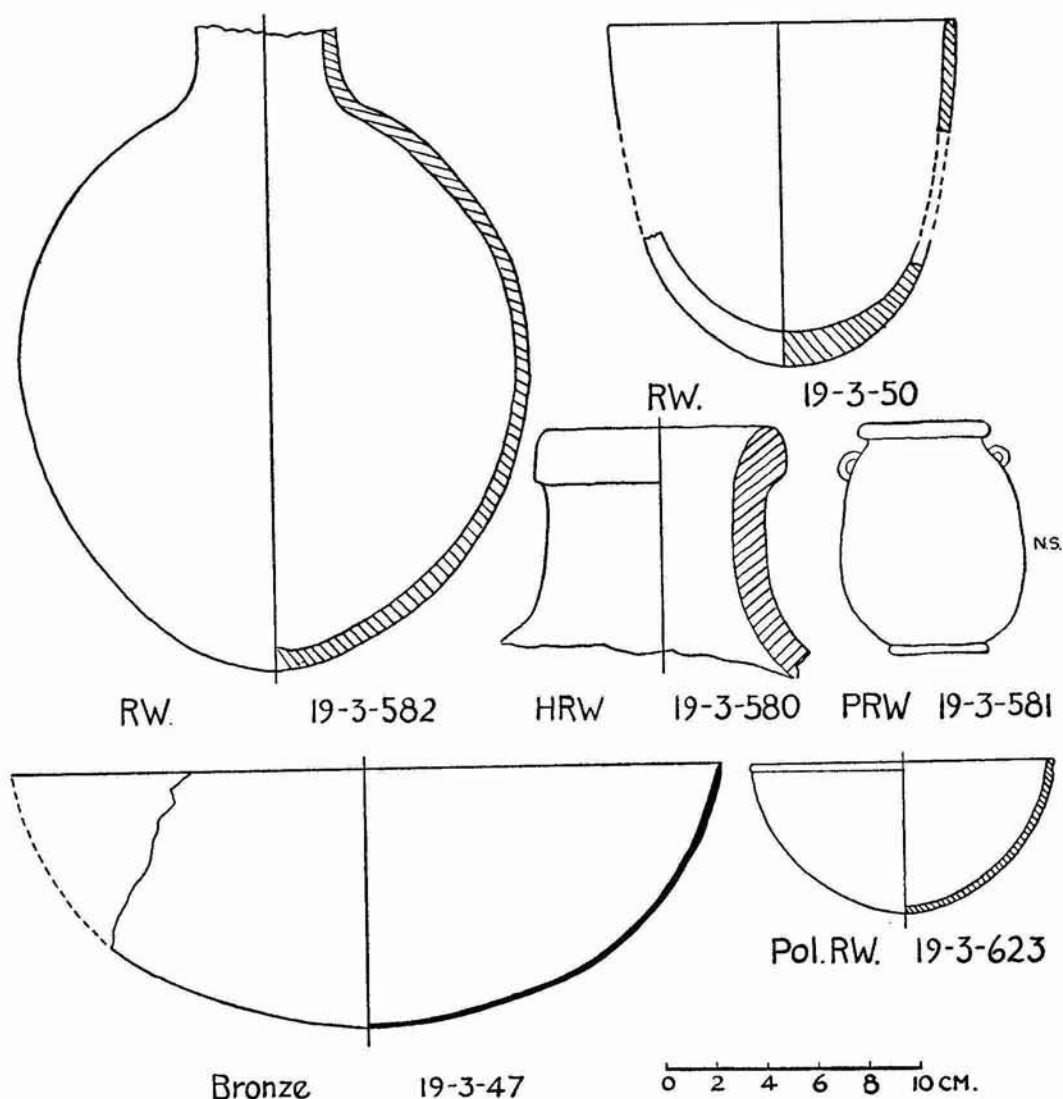


Figure 10b

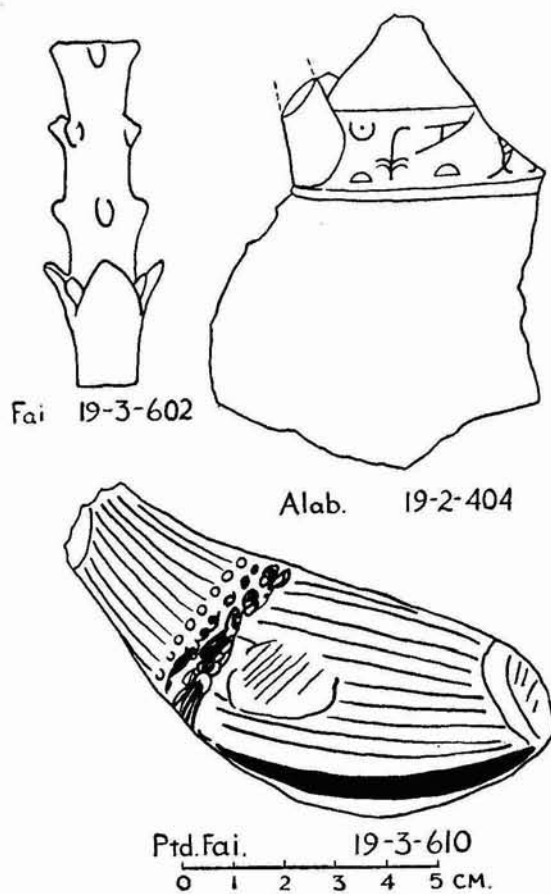


Figure 10c

Ku. 4. (5) Fig. 11a. Queen Kheñsa, daughter of KASHTA, sister-wife of Pi'ANKHY, buried by TAHARQA.

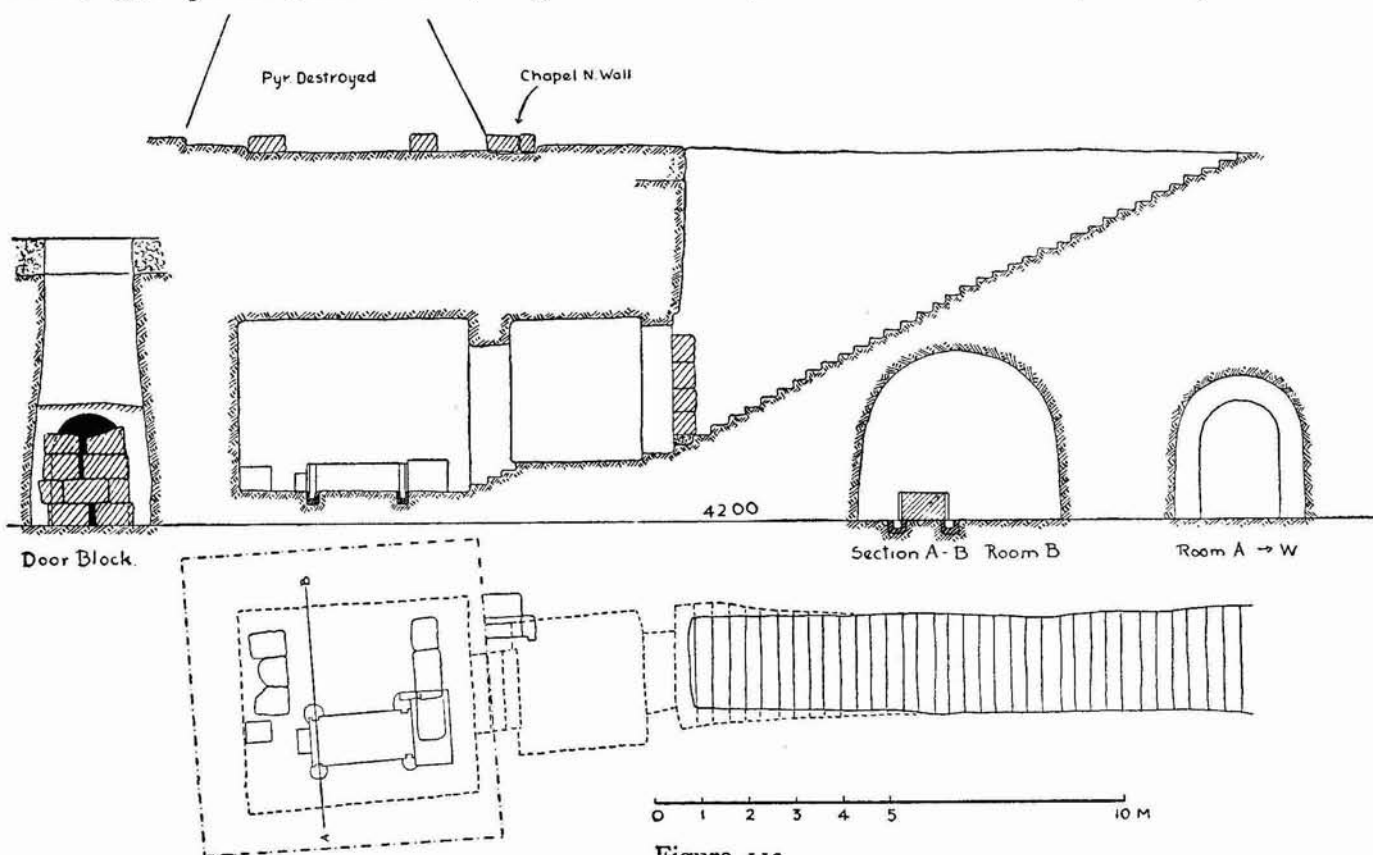


Figure 11a

SUPERSTR.	Sandstone masonry pyramid destroyed (found. trench and a few stones of f.c. remain). Size: ca. 6.45 m.	BURIAL	Completely plundered out.
ENCLOSURE	No trace.	OBJECTS	19-2-597 to 600 in debris of pyramid foundations; 19-2-643 to 646, 649, 650 T.D. in stair; 19-2-678 T.D. at W. end of stair; 19-3-38 to 43, 45, 46 T.D. at door block; 19-3-434 to 510 debris in Chambers A and B; 19-3-511, 512 debris in front of door block; 19-3-513 to 527, 541 to 552, 559 to 570 debris in Chambers A and B; 19-3-576 to 579 chamber debris; 19-3-663 to 665 stair in front of door block; 19-4-204 chamber debris. Also unregistered granite offering stone in stair.
CHAPEL	Sandstone masonry. Traces of N. wall only.		
F.D.	None.		
SUBSTR.	Stair in front of chapel. Plain round-topped doorway. Masonry blocking in front of jambs (Pl. VIII.B). Two chambers: A, 2.80 × 2.85 m., vaulted roof, one step down in doorway, walls had been sized and painted; B, 5.00 × 4.30 m., vaulted roof, three steps down in doorway. Free-standing masonry coffin bench S. of axis with cut-outs for bed legs, the feet of which stood in alab. boxes sunk in floor (Pl. VIII.D). Further masonry constructions at foot and head ends of bench and against W. wall of chamber B (Pl. VIII.C).		19-2-597 Frag. shallow RW. pan. Fig. 11b. 678 Battered round-topped Y. sandstone stela with traces of a scene in upper portion. 19-3-434 Frags. of a small agate bowl. Pl. XXXIX.F. 435 Alab. canopic jar lid: human head. Pl. XXXVII.L. 436 Twenty-five odd-shaped natural pebbles. Pl. LXXII.C.

- 19-3-440 Oval knob, blue glazed fine red paste. Fig. 11f.
- 444 Brown stone pomegranate. Fig. 11f.
- 445 Dec. fai. ball, faded glaze, white paste. Fig. 11f.
- 446 Fai. lotus bud, blue glaze, gray-white body. Fig. 11f.
- 448 Faded fai. Udjat. Fig. 11f.
- 450 Half of alab. mummy eye, length 0.015 m.
- 451 Half of alab. mummy eye, larger, length 0.040 m.
- 468 Alab. inlay piece; human face. Fig. 11f.
- 471 Green glazed gray stone figure of a sand grouse (?), incomplete. Fig. 11f.
- 472 Dec. green and white glazed stone pendant. Fig. 11f.
- 476 Many frags. sheet metal; electrum and gilded silver.
- 482 Frag. of a lapis hand in relief. Fig. 11f.
- 486 Neck and shoulder of a small alab. vase. Fig. 11c.
- 491 Fingers of a human hand in the round; lapis. Pl. LXXI.B 2/1.
- 492 Hemispherical bronze bowl. Fig. 11e.
- 493 Frag. lid of a goose-shaped slate offering case. Pl. LXXI.B 2/2.
- 494 Small CRW. pot. Fig. 11b.
- 495 Frag. small alab. vase with ring handles. Fig. 11c.
- 496 Frag. small green glazed steatite object, inscr. and with part of human hand in relief. Pl. LXXI.B 1/5.
- 498 Glazed steatite base. On top the feet of a hoofed animal, one foreleg in kneeling position. On under side two inc. figures of bound captives. Pl. LXXI.B 1/1.
- 499 Frags. of alab. ornamental object. Two scarabs and an 'nh and dd in openwork rising from rim of a vessel. Pl. LXXI.B 1/2-4.
- 500 Frags. tiny alab. vase, neck made separately, missing. Fig. 11c.
- 506 Frag. blue fai. vessel with inc. inscr. Fig. 11k.
- 19-3-509 Frags. two small pottery cups. Horizontal ribbing and dec. of Bk. triangles. Fig. 11b.
- 511 Three (originally 4?) bronze canopy poles; hand grasping a tube. Fig. 11e, on Pl. VIII.A in situ.
- 515 Many frags. ivory, including two elephants (game pieces?). Fig. 11f.
- 516 to 520 Numerous pebbles and polished stones of porphyry, alab., flint, agate, amethyst, etc. Pl. LXXII.B.
- 522 Rim and base frags. tiny limestone vase. Fig. 11c.
- 527 Steatite imitation volute shell with inc. hieroglyphic inscr. Fig. 11g, Pl. LIX.H-I.
- 541 Large globular BkW. bottle, dec. rolled dots (intrusive?). Fig. 11b.
- 542 Alab. canopic jar, base broken off. Filled with hard plaster and inscr. Kebekh-senuf. Also ape head lid found with it. Pl. XXXVII.1/3.
- 543 Six frags. forming *ca.* half of alab. offering table. Offerings in relief. Bordering hieroglyphic inscr. to the "King's wife, king's sister, king's daughter Kheñsa." Pl. XXXI.C.
- 544 Steatite ball covered with inc. dec. and inscriptions. Fig. 11h, Pl. LIX.H-I.
- 552 Two alab. boxes for bed legs (visible on Pl. VIII.C).
- 560 Alab. vase with ring handles and tabs. Band of inc. hieroglyphs below tabs, and twin cartouches. Fig. 11c, j, Pl. XXXIX.E/2.
- 561 Large bronze basin with raised center and lion handles. Diam. over handles 0.988 m. Fig. 11d, Pl. XLI.C, (in situ Pl. VIII.A).
- 562 Frags. quartzite jug with trefoil mouth. Inc. inscr. and cartouches. Fig. 11c, j, Pl. XXXIX.E/3.
- 563 Frags. jug similar to 562 but with different inscr. Fig. 11j, Pl. XXXIX.E/4.
- 564, 565 Frags. 2 inscr. alab. jars similar to 19-3-560. Fig. 11j (564 on Pl. XXXIX.E/1).
- 566 Frag. from shoulder of inscr. alab. vessel (intruded from Ku. 5?). Fig. 11k.

19-3-570 Alab. canopic lid: jackal head. Pl. xxxviii.1/1.

576 Frags. large wide-mouthed jar; RPol. Wh. Sl., ptd. dec. in R., Wh., and Bk. Fig. 11b.

663 Two solid silver kohl sticks, one with hawk head top, the other with jackal head top. Fig. 11f.

664 Silver bowl with twin spouts and half covered top. Fig. 11e, Pl. LXIV.C/2.

665 Large silver basin with 2 cartouches inc. on side. Fig. 11h, Pl. LXIV.C/1.

19-4-204 Remains of at least 241 fai. shawabtis. Half-molded, rough dressed flat back. Mummiform, lappet wig and beard, un-inscr. Fine brittle Wh. body. In style and workmanship like shawabtis of Shabako. Pl. XLVII.C (also, intruded, 3 frags. shawabtis of Tanwetamani, 1 head of Shebitku).

Not registered. Rough granite offering stone. Plain field, bordering hieroglyphic inscr. with name and titles of Kheṣa. Fig. 11k, Pl. XXXI.D.

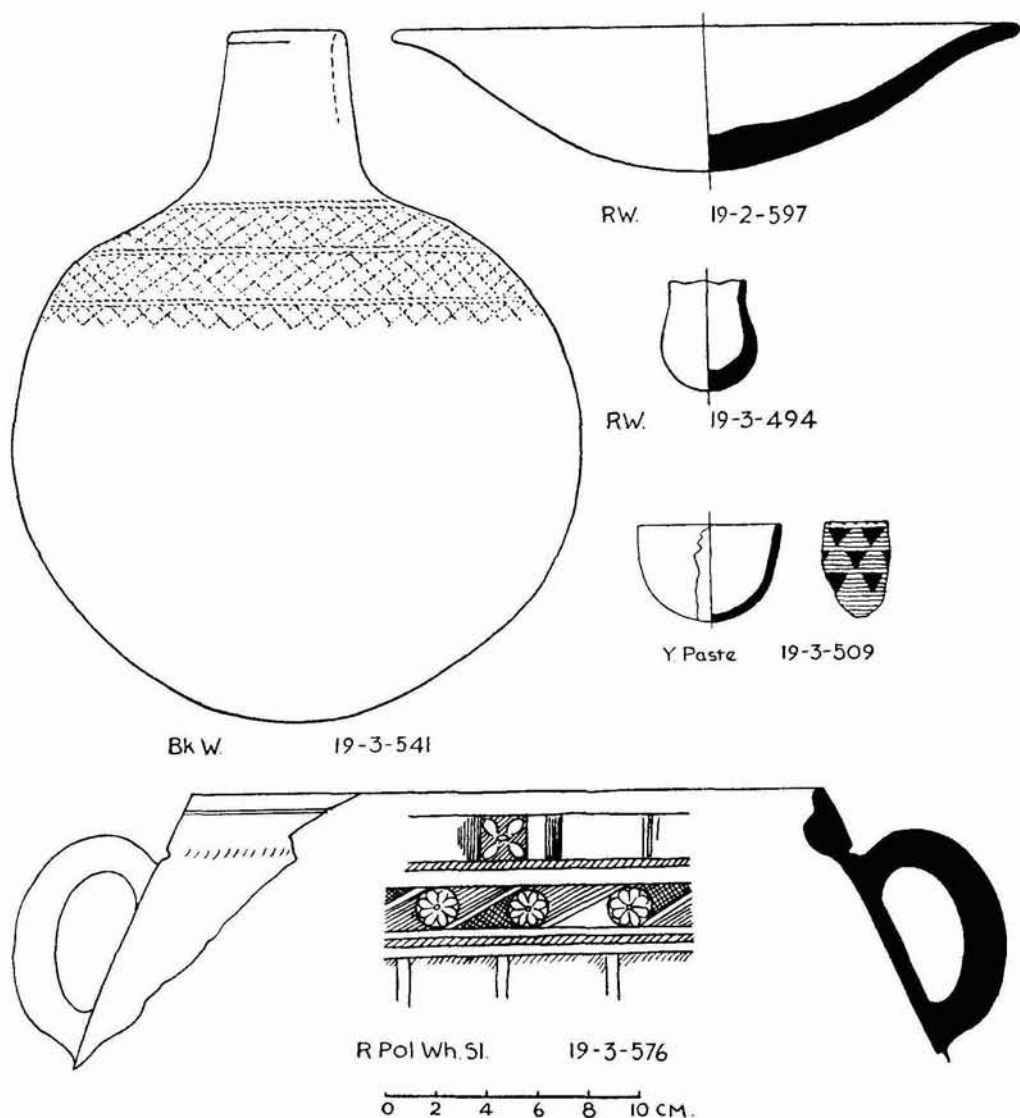


Figure 11b

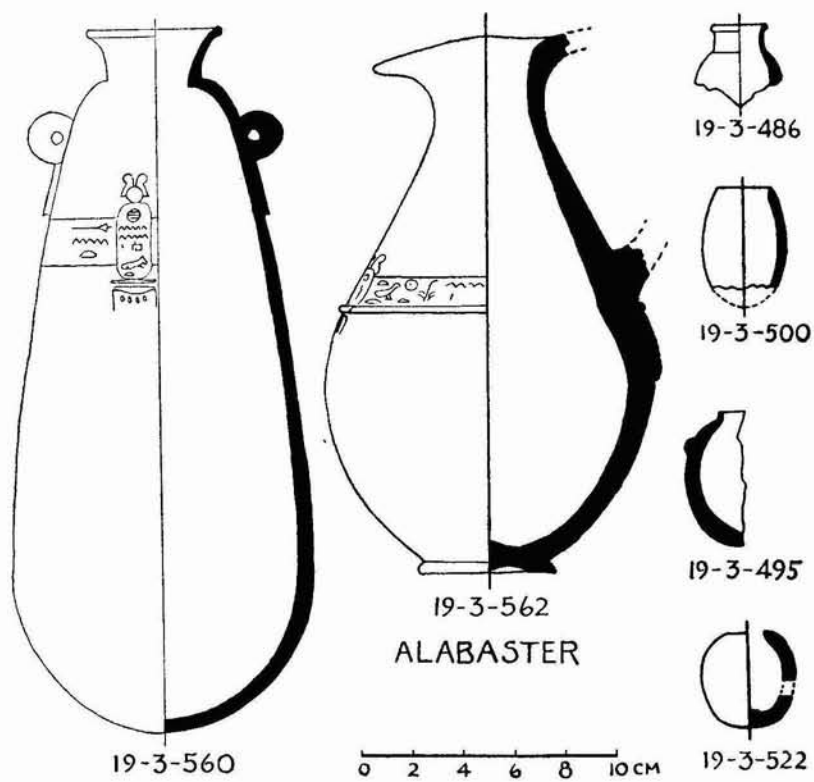


Figure 11c

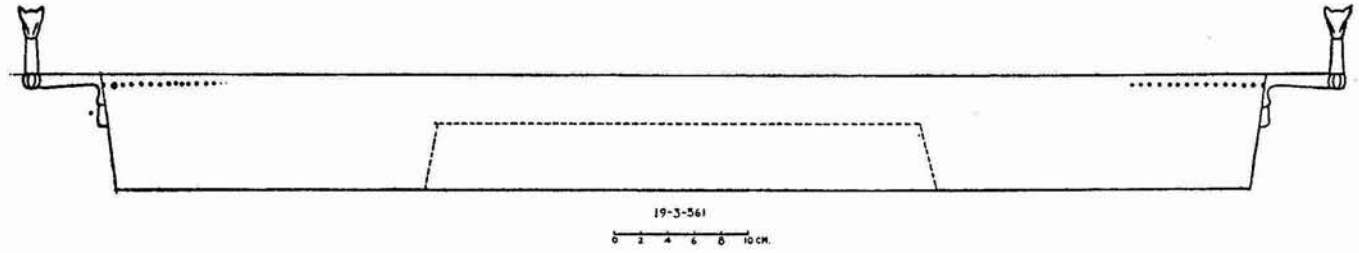


Figure 11d

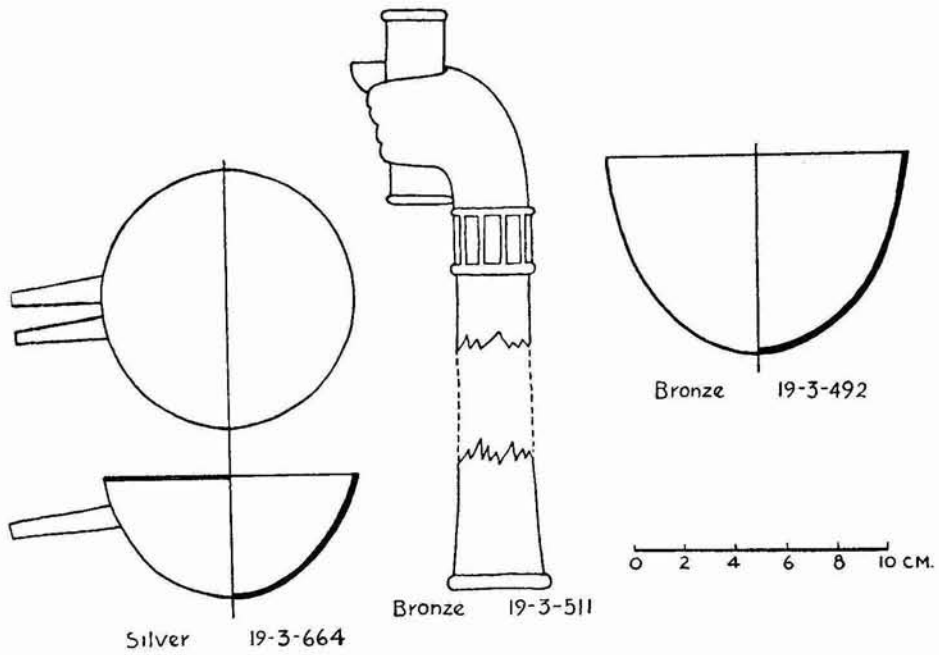


Figure 11e

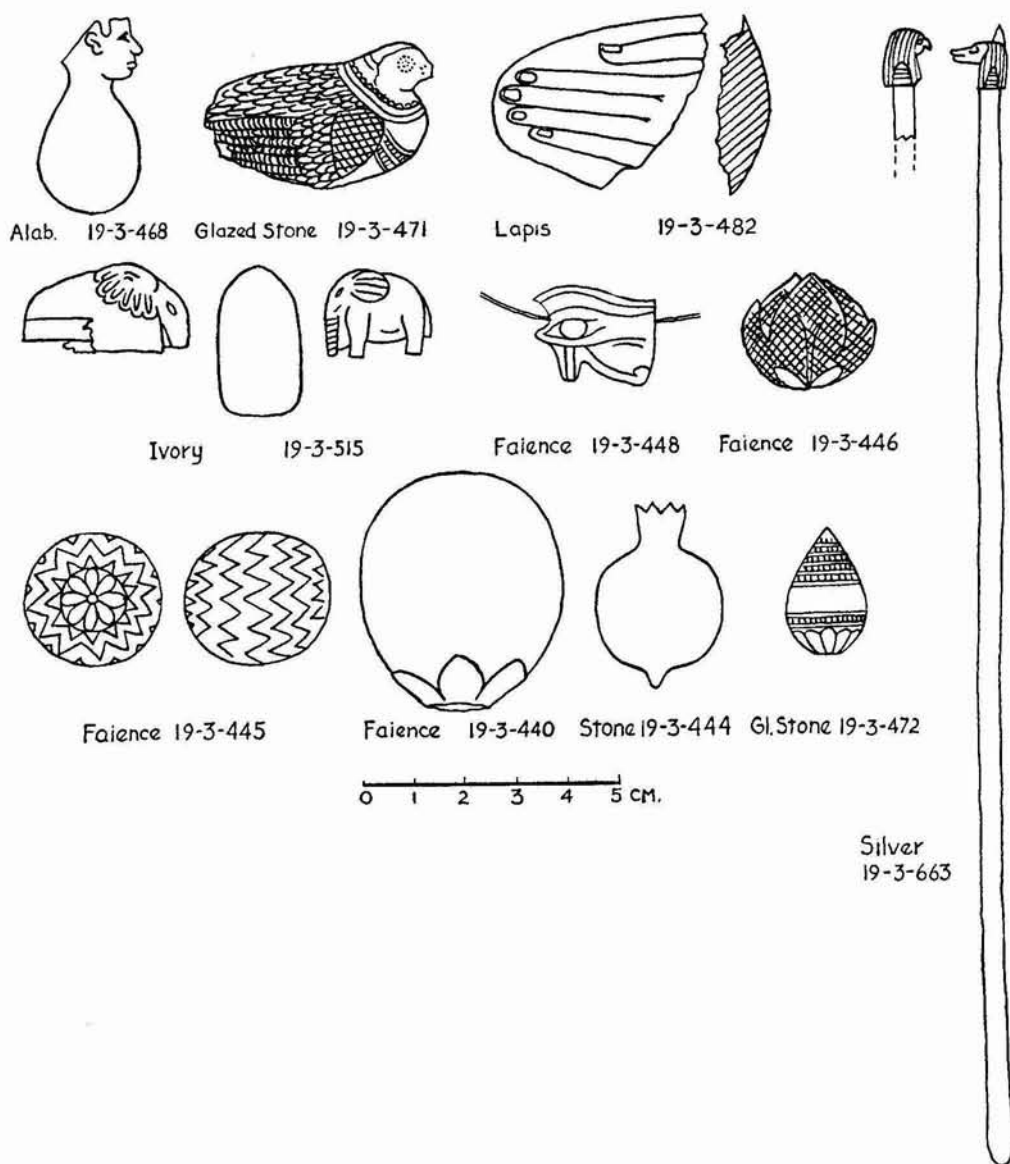
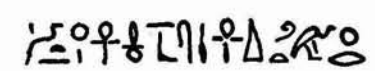
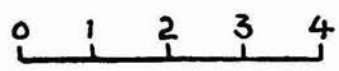


Figure 11f



Steatite Shell



19-3-527

on under face

Figure 11g

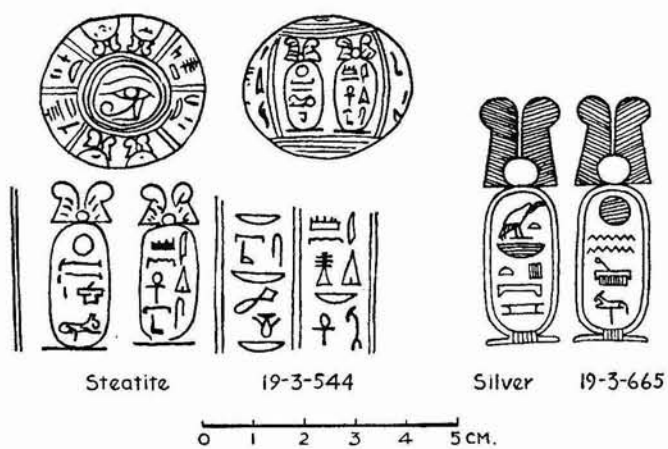


Figure 11h

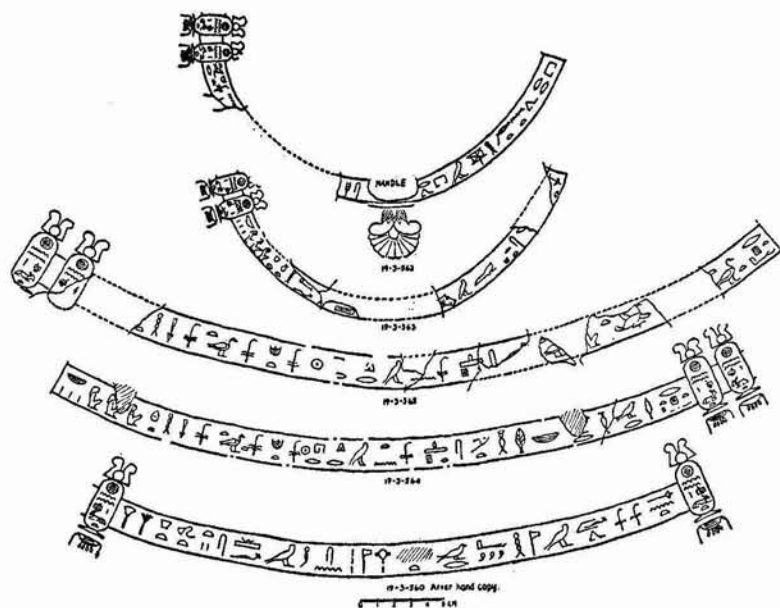


Figure 11j

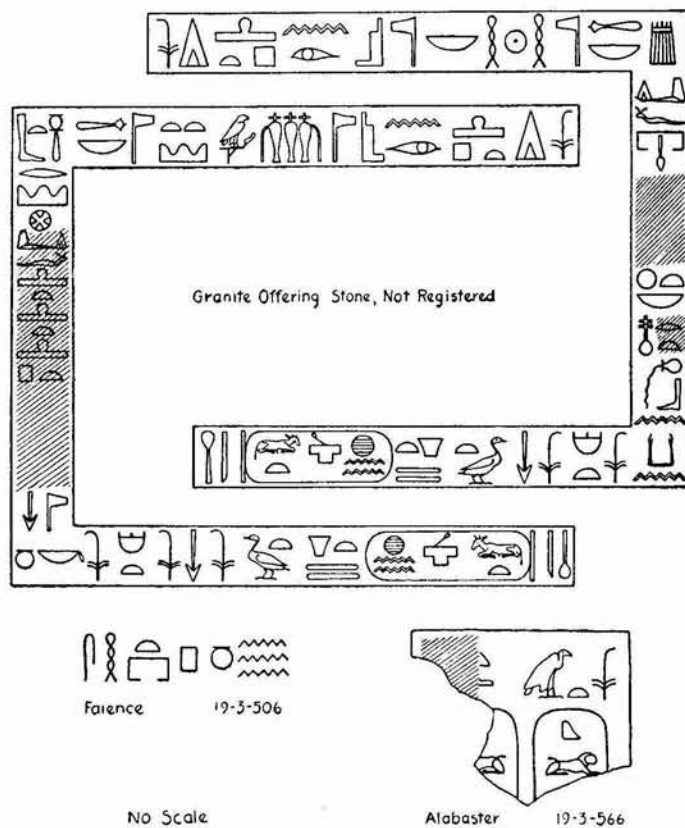


Figure 11k

Ku. 5. (6) Fig. 12a. Queen Qalhata, sister-wife of SHEBITKU, mother of TANWETAMANI, who buried her.

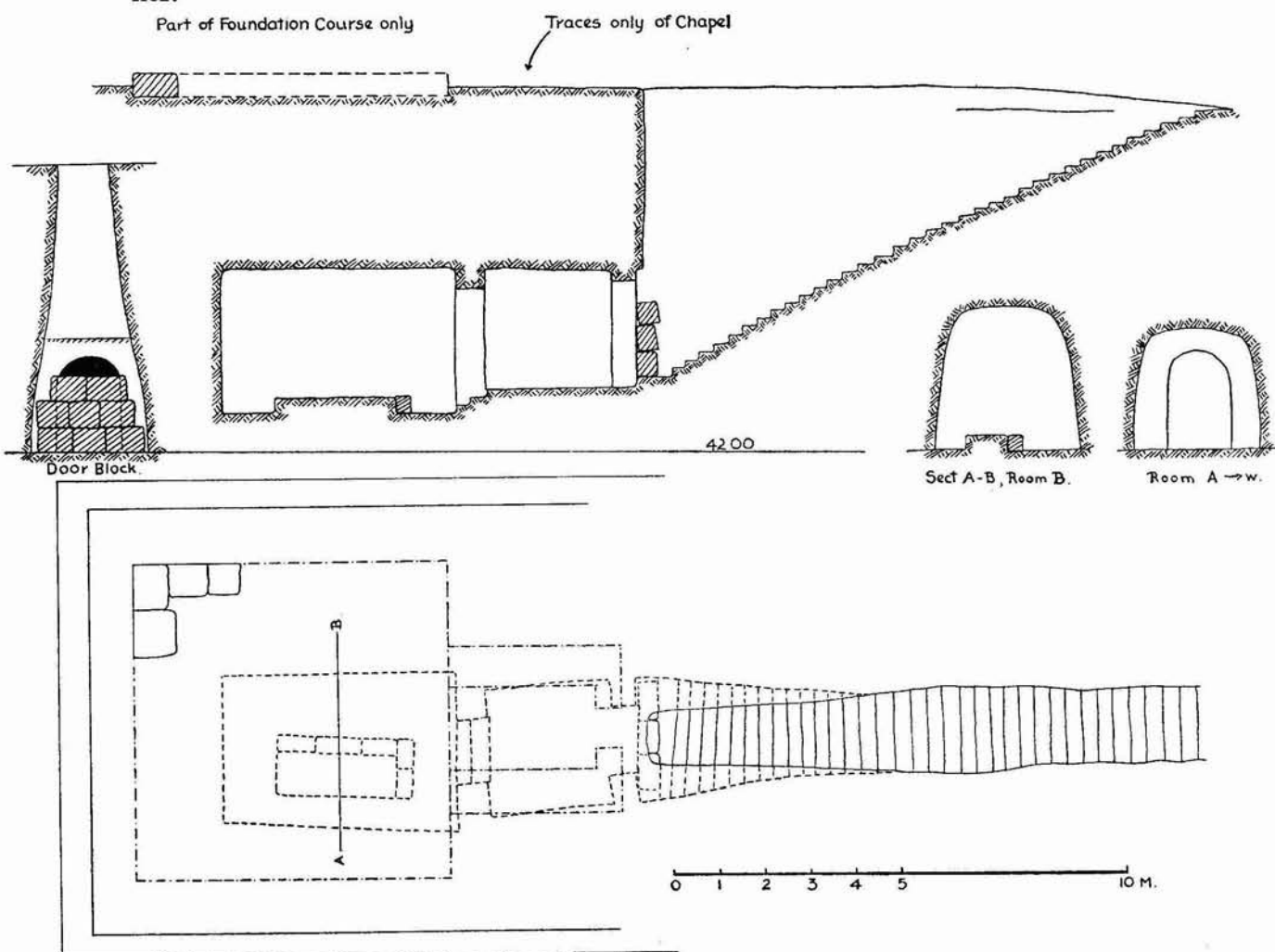


Figure 12a

SUPERSTR. Masonry pyramid, destroyed (found. trench and part of f.c. only preserved). *ca.* 7.00 m. sq.

ENCLOSURE Masonry, plain. Front destroyed.

CHAPEL Destroyed. Found. trench indicating plain masonry without pylon.

F.D. None.

SUBSTR. Stair in front of chapel. Round-topped plain doorway. Masonry door-block in front of jambs (Pl. XI.A), removed at top by thieves. Two chambers: A, 2.75 × 2.75 m., flattened vaulted roof, one step down to doorway, both side walls plastered and ptd. with mortuary scenes

and texts (N. wall Pl. IX, S. wall Pl. X), roof dec. with ptd. stars; B, 5.20 × 3.40 m., flattened vault roof, two steps down in doorway, free-standing gebel bench S. of axis, enlarged on N. and E. with masonry. No niche.

BURIAL

Completely plundered out.

OBJECTS

19-2-403, 405 to 407, 413 to 415, 438 to 444 original filling in stair; 19-2-445 T.D. in stair; 19-2-478 to 482 original filling in stair; 19-2-547 to 551 debris in thieves' hole; 19-2-559 to 563 sandy filling in stair; 19-2-589 to 596 stair; 19-2-647, 648, 651 to 656 sandy filling in stair; 19-2-657 to 669 original filling in stair; 19-2-670 to 672, 19-3-88 to 90

- on bottom step in stair; 19-3-91 to 112 T.D. in Chamber A; 19-3-113 to 121 debris in Chamber B; 19-3-122 to 127 debris in Chamber A; 19-3-775 to 787 Chamber A and B debris; 19-3-840 to 842 floor before door block; 19-4-205 shawabti figures from general debris. Two unregistered objects.
- 19-2-403 Four mud jar stoppers (2 with thumb impressions).
- 406 Frags. RW. bowl, R. wash with blue color adhering. Fig. 12c.
- 439 Three broken fai. Menat amulets.
- 19-2-440 Base of small RW. cup, like 19-2-429 from Ku. 17 (*q.v.*)
- 548 Rim frag. FRW. beaker, ribbed inside. Fig. 12c.
- 559 *ca.* half of a heavy alab. squat jar. Fig. 12d.
- 562 Corner of blue fai. offering table; hard gray body. Cakes in relief, no inscr. Fig. 12e.
- 563 Small RW. pot, bright R. color. Fig. 12c.
- 647, 648 Nine mud jar stoppers and frags., with seal impressions. Fig. 12f, Pl. LXX.D-E.

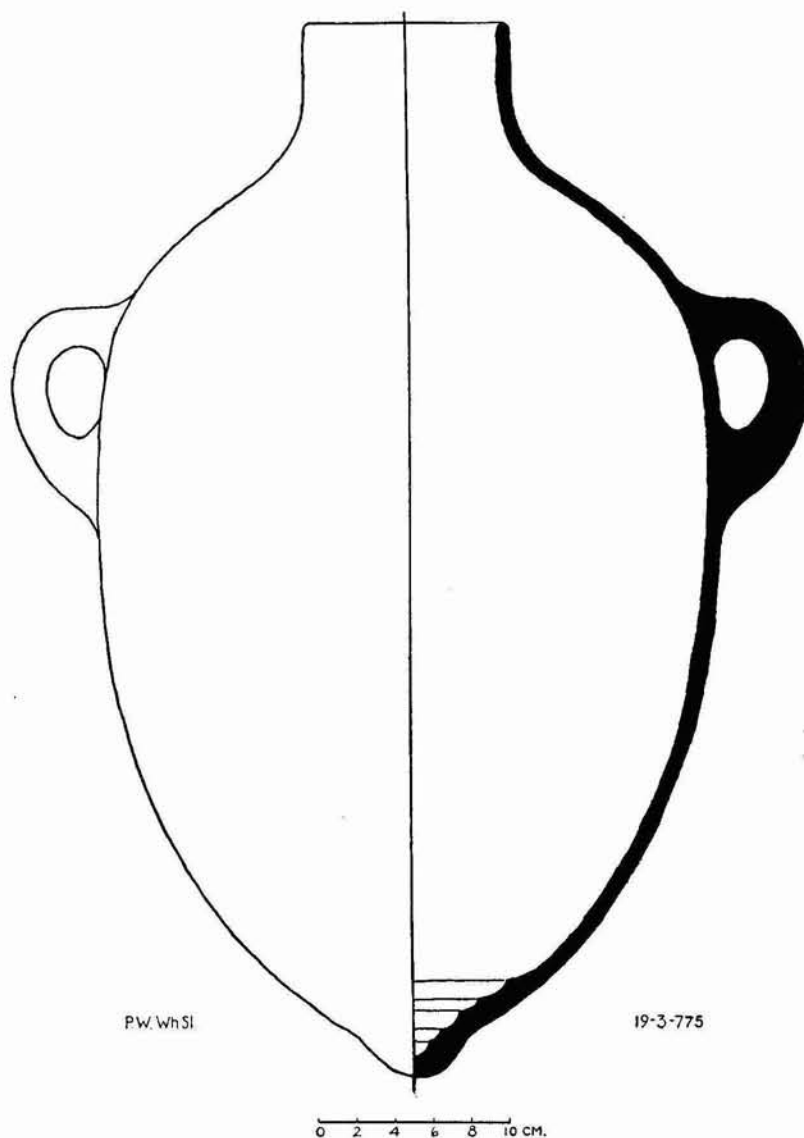


Figure 12b

19-2-651 Two blue fai. Menat amulets, together with fai. ring and cylinder beads 19-2-653 and 654. Fig. 12c, and Cf. Pl. LVII.A.

670 to 672 Menat amulets and beads as above.

19-3- 88 to 90 Twelve Menat amulets and beads as above. Pl. LVII.A.

99 Base of a blue fai. cup. Fig. 12d.

775 Frags. of 5 or more large amphorae of PW. with Wh. Sl. Fig. 12b.

777 Rim frags. of *ca.* 3 HRW. pots, P.Pol. Fig. 12c.

782 Frags. of RW. deep bowl, Y.P. Sl., Dec. Br. Ptd. bands. Fig. 12c.

785 Rim frags. RW. deep bowl. Fig. 12c.

786 Rim frags. RW. deep bowl. Fig. 12c.

19-4-205 Frags. of at least 27 fai. shawabti figures, of which only one is complete. Two types:

a. Lappet wig, beard, queue. Hands crossed holding two hoes, basket on back. Coarse cream body, heavy blue glaze. Hair Bk., ink inscr. Pl. XLVII.D 1-2.

b. Same as *a.* but without beard. Pl. XLVII.D 3-6.

Not registered: Head of a cat in fine olive-green stone, found in debris of Chamber A. Pl. LIX.B-C.

Not registered: Upper part of a glazed steatite female figure grinding corn (?), found in debris of Chamber B. Pl. LIX.E-G.

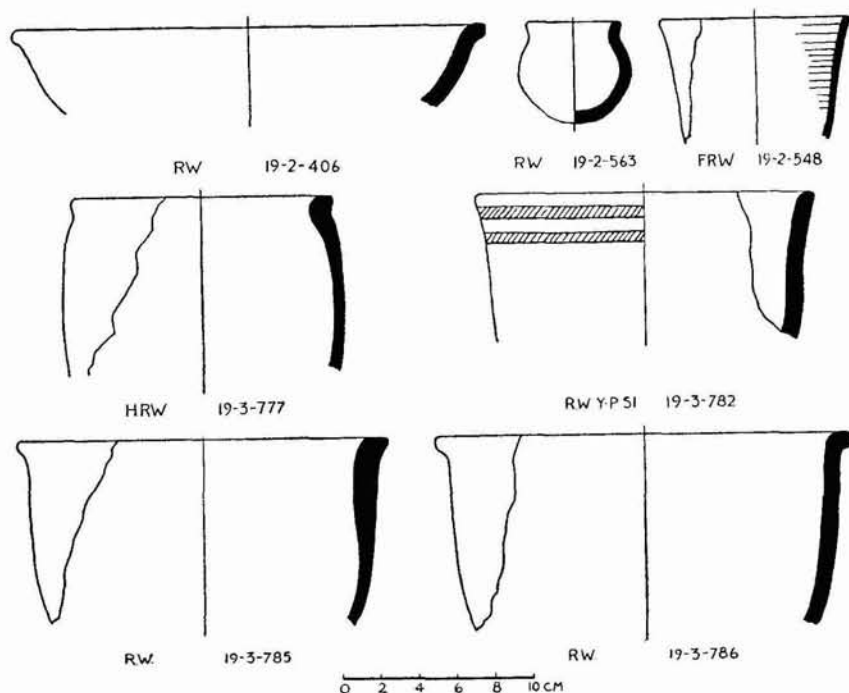


Figure 12c

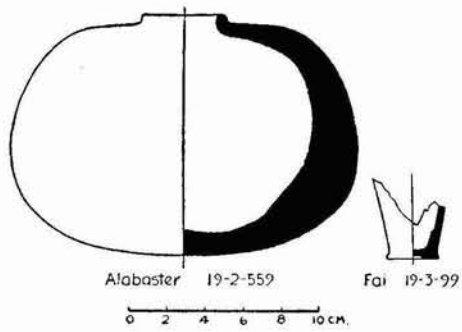


Figure 12d

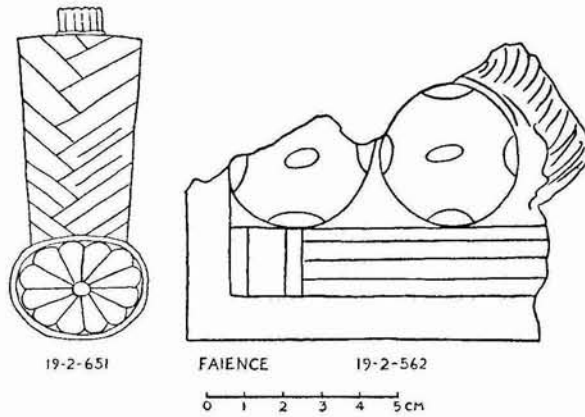


Figure 12e

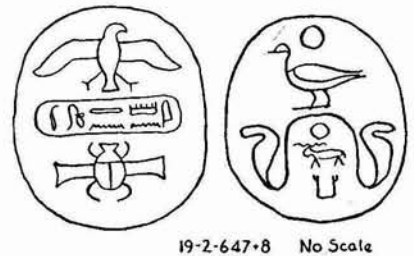


Figure 12f

Ku. 6. (6) Fig. 13a. Queen Arty (probably). Perhaps to be identified with the Pi'ankh-arty of the "Dream Stela."² Daughter of Pi'ANKHY, sister-wife of SHEBITKU and, if the "Dream Stela" identification be accepted, married again after his death to her nephew TANWETAMANI.

Foundation Trench only

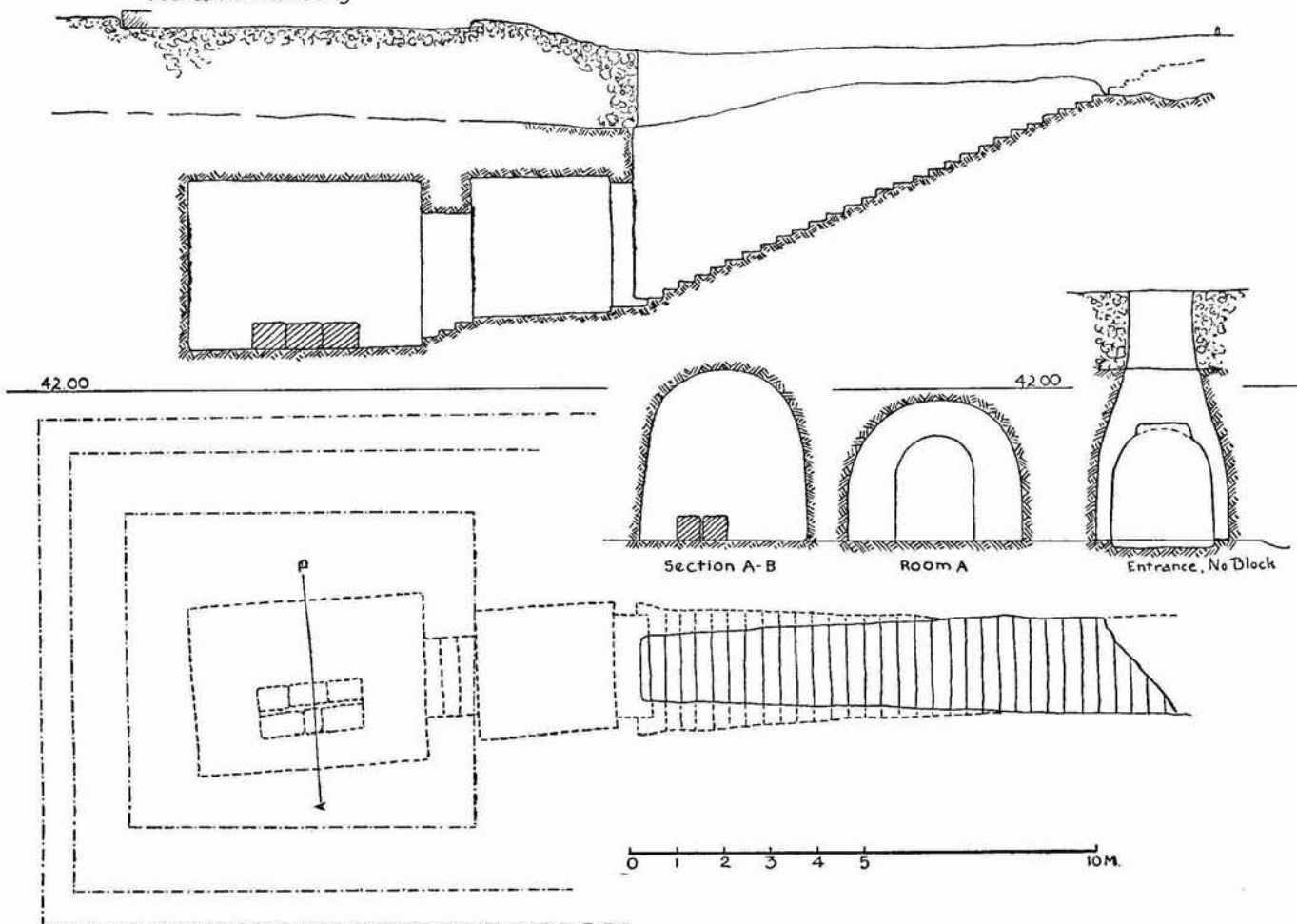


Figure 13a

SUPERSTR. Masonry pyramid, destroyed (found. trench only preserved). ca. 6.50 m. sq.

ENCLOSURE Found. trench only at N., S., and W.

CHAPEL No trace.

F.D. None.

SUBSTR. Stair in front of chapel. Plain round-topped doorway in slightly sunk landing. Door-block destroyed. Two chambers: A, 3.00 × 2.75 m., round vaulted roof, one step down in doorway, traces plaster and ptd. dec. as in Ku. 5; B, 5.05

OBJECTS

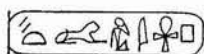
× 3.40 m., high rounded vault, three steps down in doorway, free-standing masonry bench S. of axis. No niche.

19-2-359 debris in front of chapel site; 19-2-385 to 391 T.D. in stair; 19-2-399 to 401 stair before thieves' hole; 19-2-505 to 511 debris in Chamber A; 19-2-512 to 526 debris in Chamber B; 19-2-536 to 539 in front of entrance doorway; 19-2-618, 619 stair debris; 19-2-620 to 623 debris from chapel site; 19-2-624 to 629 debris in B; 19-2-680 debris in A; 19-3-21 to 36 debris in B;

² In Cairo; cf. Gauthier, *Livre des Rois*, iv, pp. 42-43.

19-3-73 to 75 doorway to B; 19-3-76 to 87 debris in B. Unregistered bronze and shawabti figures. *N.B.* The tomb had been thoroughly plundered at least twice, the second time apparently when Ku. 2 was plundered. No objects are necessarily from the original deposit.

- 19-2-391 Frags. RW. basin, hand made. Fig. 13b.
 508 Base of a HRW. vessel, hand made. Fig. 13b.
 513 Frags. of a large alab. jar with pierced knob handles. Fig. 13c.
 514 Frag. of alab. with part of a cartouche Fig. 13d. Probably to be completed as



- 521 Rim frag. shallow RW. bowl. Fig. 13b.
 524 Frags. RW. pot, R. washed. Fig. 13b.
 19-3-28 About half a small globular limestone vessel. Fig. 13c.
 75 Frag. from pale blue glazed offering table with section of bordering inscr. Gray body. Fig. 13d.

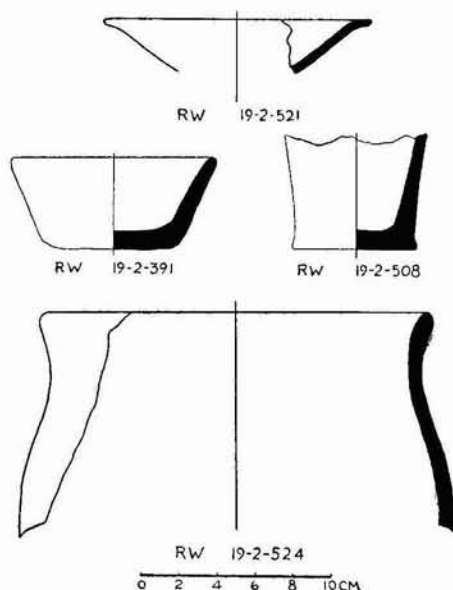


Figure 13b

Not registered. Small bronze figure of a gazelle, from debris in doorway between A and B. Pl. LIX.D. (Khartoum)

Not registered. Group of shawabti figures found in debris washed into doorway between A and B. Lappet wig, uraeus, and beard. Right hand above left, no implements indicated. Uninscribed. Very poor paste. Molded, partially hand dressed details and back. 28 complete plus 124 heads; total at least 152. Pl. XLVII.G. (These figures are certainly not original in Ku. 6, but are intruded, probably from Ku. 2.)

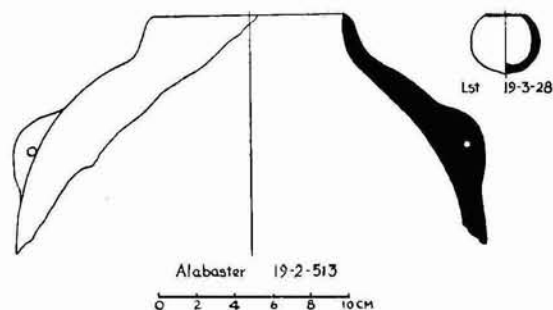


Figure 13c

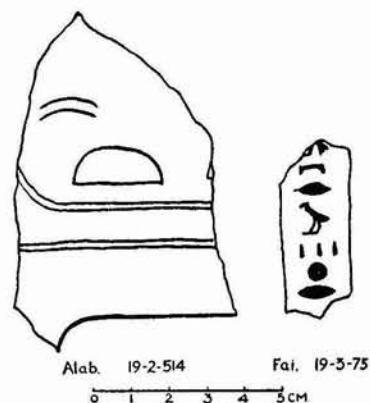
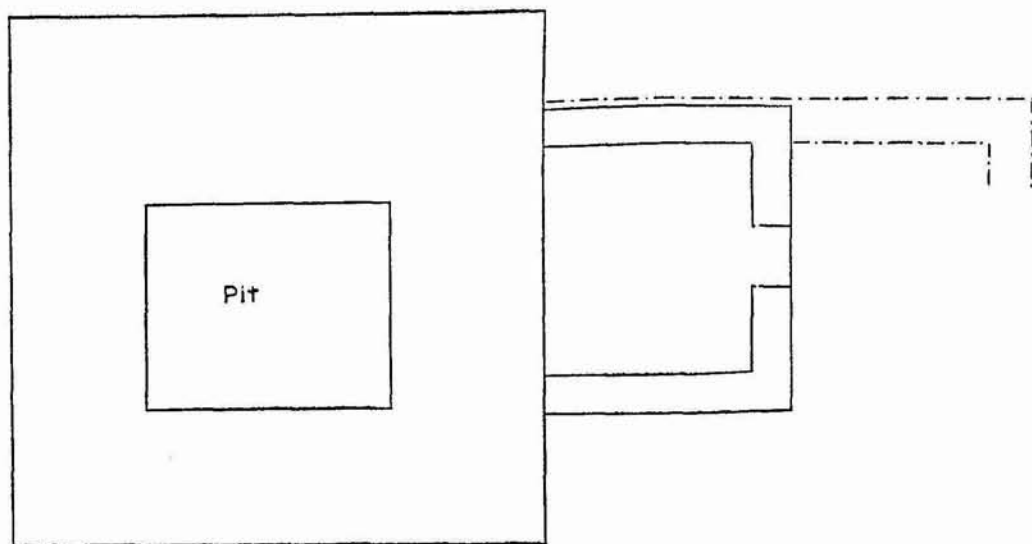


Figure 13d

Ku. 7. (2). Fig. 14a, Pl. XI.B. Probably a queen. Name not recovered. The suggestion that this may be the tomb of Pehatma, sister-wife of KASHTA, is put forward as plausible but not proven.



No Levels

0 1 2 3 4 5 10M

Figure 14a

SUPERSTR.	Traces of one c. of sandstone masonry mastaba (?), <i>ca.</i> 7.00 m. sq.	BURIAL	Completely plundered out.
ENCLOSURE	Traces of found. trench at N. only.	OBJECTS	19-2-527 to 532 debris E. of chapel; 19-2-533 to 534 debris N. of Superstr.; 19-2-543 to 546, 679 chapel debris. Only the last number appears to be specifically associated with the tomb.
CHAPEL	Traces plain sandstone masonry without pylon. A masonry widening and extension on N. side suggests a later rebuilding, or addition of a second room.		19-2-527 Four rim frags. alab. vessel. Fig. 14b. 529 Rim frag. alab. bowl. Fig. 14b. 531 Rim frag. alab. bowl. Fig. 14b. 543 Frags. alab. jar with two pierced loop handles. Fig. 14b. 679 Four frags. of a white sandstone stela, crude, no inscr.
F.D.	None.		
SUBSTR.	Rectangular pit near center of superstr., 3.20 × 2.70 m. Long axis E-W. Method of covering not apparent.		

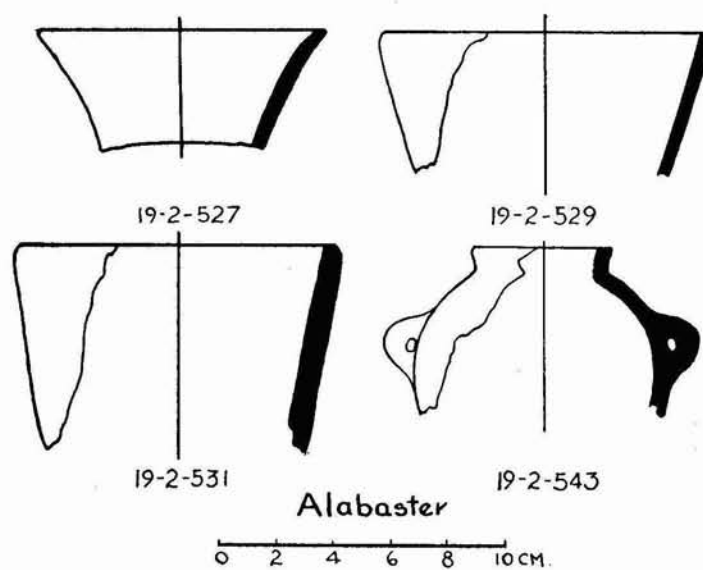
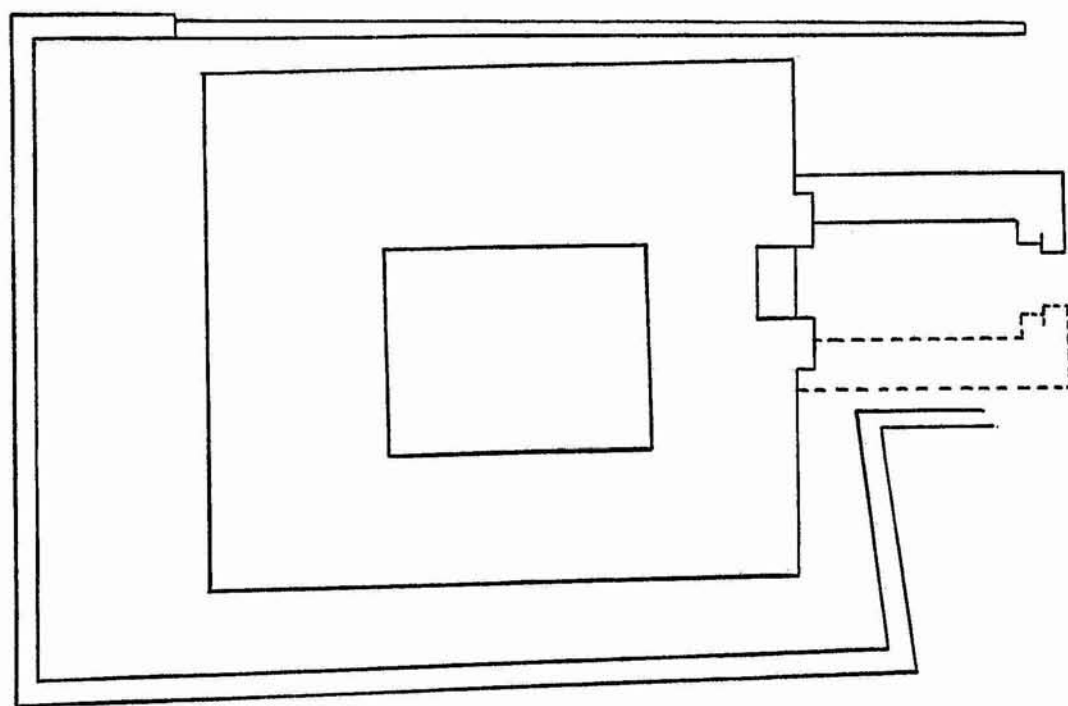
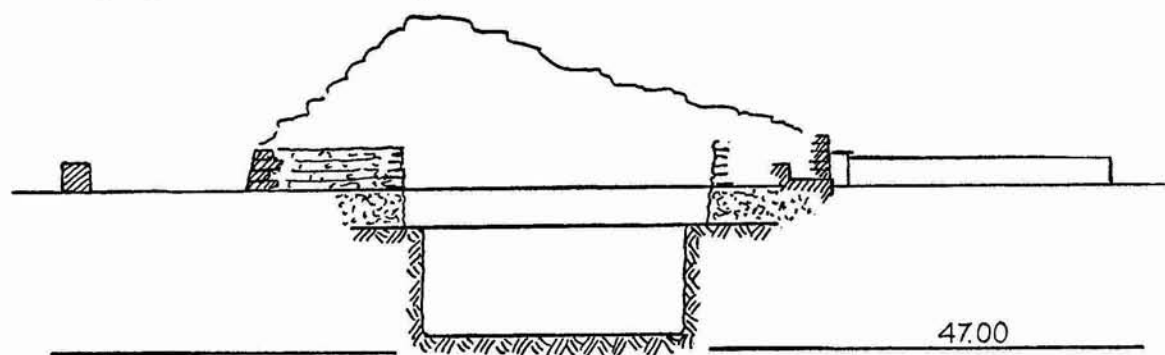


Figure 14b

Ku. 8. (1) Fig. 15a, Pl. XII.A. Probably tomb of KASHTA.



0 1 2 3 4 5 10 M.

Figure 15a

SUPERSTR.	Sandstone masonry mastaba (?). Size: 10.00 × 9.75 m.	SUBSTR.	Rectangular pit, 4.45 × 3.50 m., long axis E-W. May have been roofed by a corbel now destroyed.
ENCLOSURE	Sandstone masonry, in part preserved. Plain, but turned in S. of chapel to avoid the older tomb Ku. 21. (See Map II.)	BURIAL	Completely plundered out.
CHAPEL	Sandstone masonry. Plain with recessed doorway. Apparently a rebuilding of an older chapel of which the abutments remain. Deep niche in W. wall.	OBJECTS	19-2-258 to 263 enclosure S. of superstr.; 19-2-264 to 266 T.D. E. of chapel; (19-2-267 to 285 debris NE. of Ku. 8, perhaps from Ku. 20); 19-2-286, 287 debris of enclosure W. of Superstr.; 19-2-288 to 295 chapel debris; 19-2-408 to 412, 446 to 452, 535, 19-4-149, 150 debris of
F.D.	None.		

superstr., probably from pit, 19-4-151,
152 debris of enclosure.

19-2-260 Frags. alab. bowl. Fig. 15c.

269 Frag. blue fai. with part of a scene in
relief (perhaps from Ku. 20). Fig. 15d.

272 Rim frag. pale RW. spouted bowl (per-
haps from Ku. 20). Fig. 15b.

294 Frag. small blue fai. jar, white body.
Fig. 15c.

411 Twin barrel bead of bone. Fig. 15d.

449 Frag. blue fai. Menat amulet, dec. on
both sides. Fig. 15d.

450 Frag. RW. bowl, RPol. inside. Fig. 15b.

535 Neck and shoulder of alab. vase. Fig. 15c.

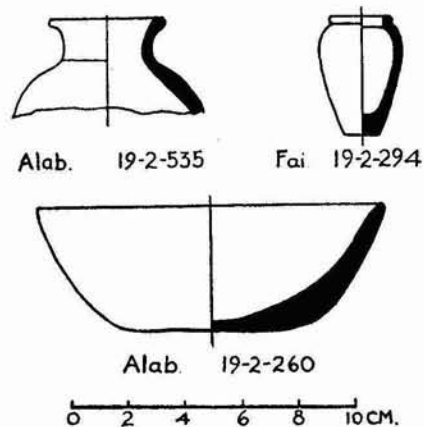


Figure 15c

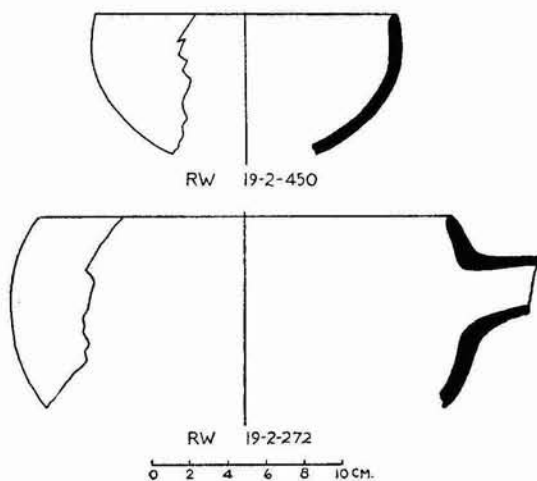


Figure 15b

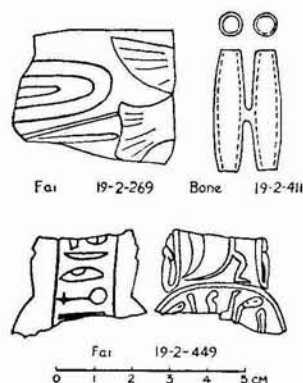


Figure 15d

Ku. 9. (D) Pl. XII.B. (Type of Ku. 10, *q.v.*) Name and sex not known.

SUPERSTR. Sandstone masonry mastaba, one c. in part
preserved. *ca.* 6.90 m. sq.
ENCLOSURE Sandstone, plain form. Slabs laid on edge.
CHAPEL Sandstone masonry, simple form, front
destroyed.
F.D. None.
SUBSTR. Pit with side chamber on W., oriented

N-S. Blocked with mud brick and roofed
with stone slabs. Side chamber much
shorter than pit, necessitating a partially
contracted burial (if adult).
BURIAL Completely plundered out.
OBJECTS Misc. scraps from debris of enclosure
only, of no significance for this tomb;
19-3-62 to 72.

Ku. 10. (D) Fig. 16, Pl. XIII. Name and sex not known.

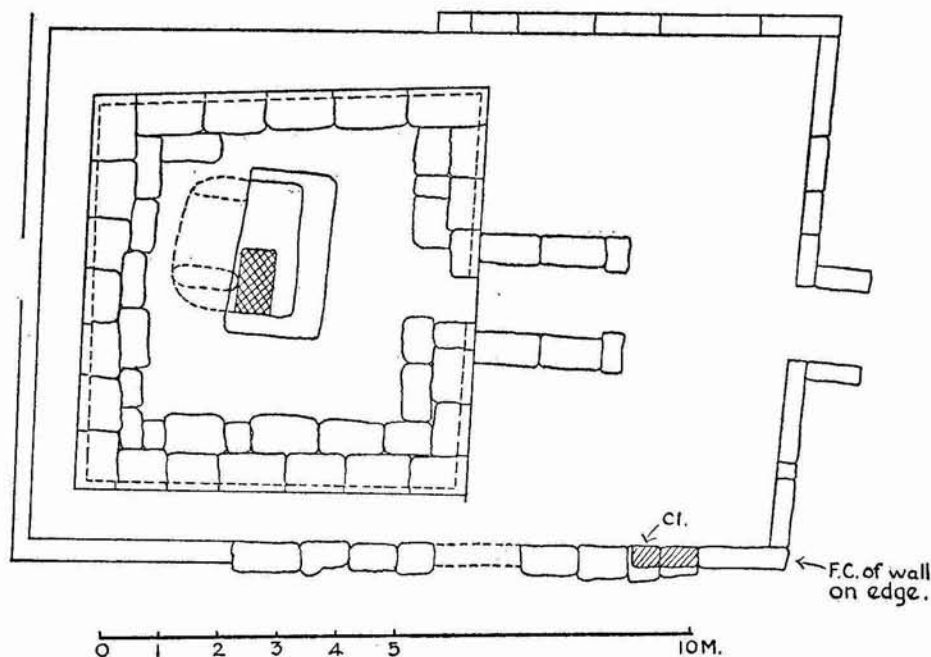
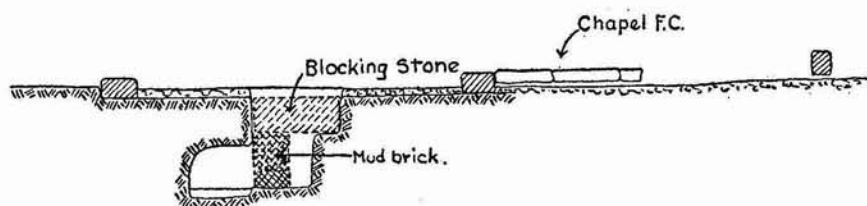


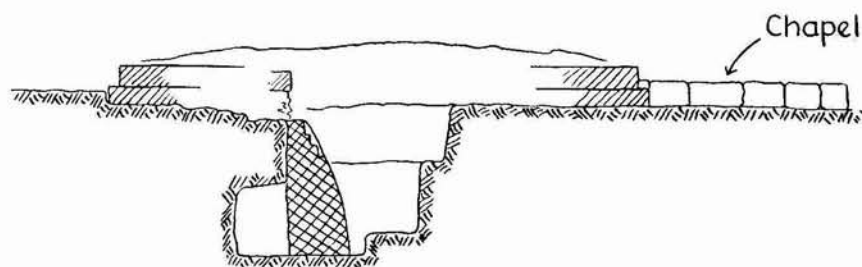
Figure 16

SUPERSTR.	Sandstone masonry mastaba, one c. only in part preserved. 6.47 m. sq.
ENCLOSURE	Sandstone masonry laid on edge. Plain form.
CHAPEL	Sandstone masonry, simple form. One c. only preserved.
F.D.	None.
SUBSTR.	Pit with side chamber on W., oriented N-S. Bed leg trenches in side chamber. Blocked with mud brick and roofed with stone slabs resting on block and on a shelf E., N., and S. of main pit.
BURIAL	Plundered. In N. end of chamber upper end of tibia apparently in place. If in

original position this indicates burial position on left side, head S., face W. (Reisner observed in Diary, March 3, 1919, that the characteristic Nubian burial position is on right side, head W., face S.)

OBJECTS	19-2-630 to 636 debris of foundations and enclosing wall; 19-3-44, 157, 158 debris of Superstr. and pit; 19-3-223 surface debris at door of chapel. All are misc. frags. from general plundering of site, but two examples are worthy of note.
	19-3-158 Frag. of fai. shawabti figure of Pi'ankhy.
	223 Frag. from heavy sheet gold band bearing cartouches of Shabako, certainly part of that king's burial equipment, originating in Ku. 15. Pl. LXIII.D.

Ku. 11. (D) Fig. 17a, Pl. XIV.B. Name and sex not recovered.



± 48.00

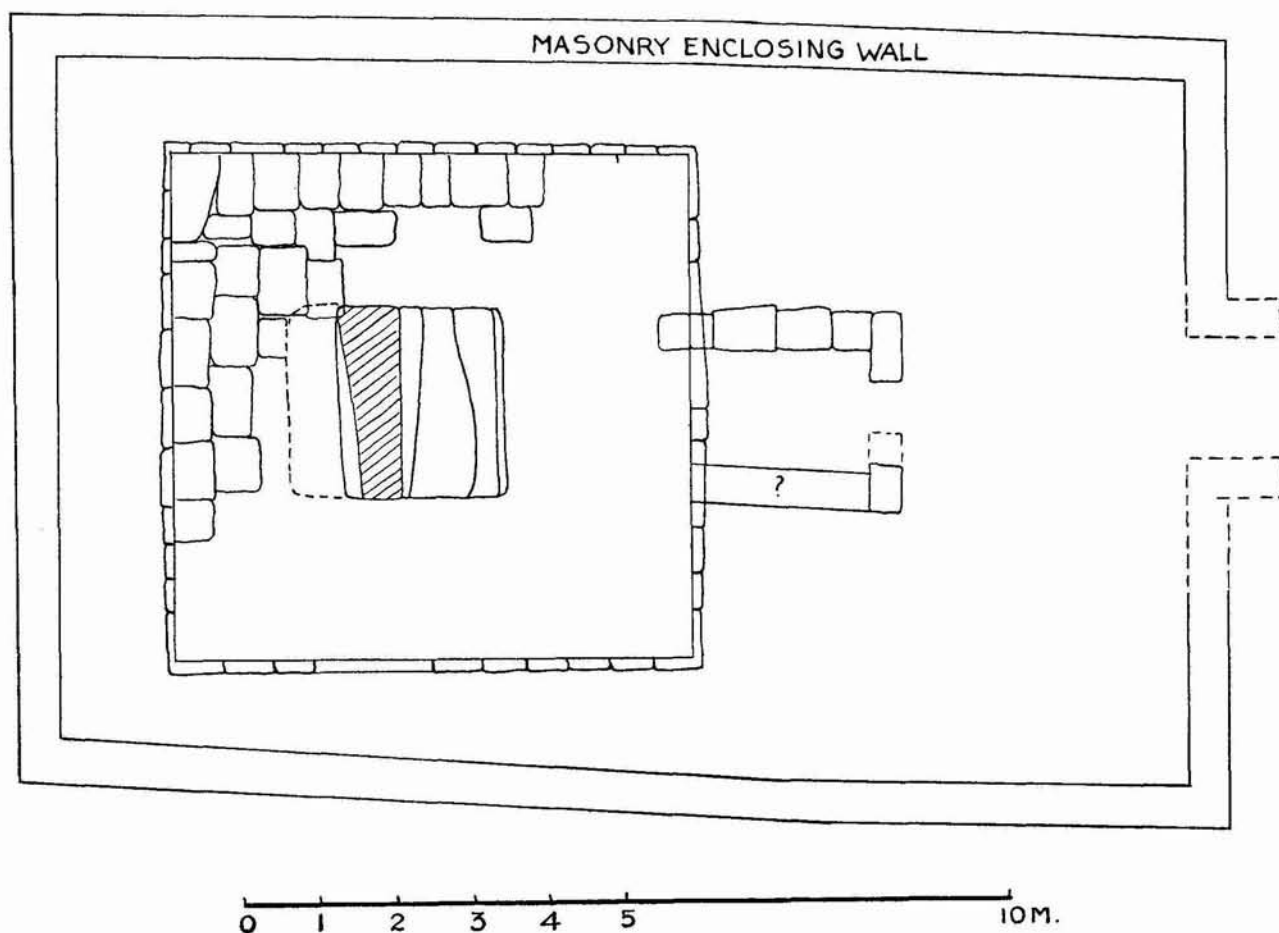


Figure 17a

SUPERSTR.	Sandstone masonry mastaba. Part of c. 1 over projecting found. course preserved. ca. 6.70 m. sq. at c. 1.
ENCLOSURE	Sandstone masonry. Simple form.
CHAPEL	Sandstone masonry. Plain form.
F.D.	None.
SUBSTR.	Rectangular pit with side chamber on W., oriented N-S. Low step on E. side with shelf at higher level. Mud brick blocking whole length of pit on W. side,

BURIAL

stepped back at top to take ends of stone roofing slabs. Note that found. course of superstr. rests on brick blocking, hence was built after burial.

Plundered. Some bones in filling of pit indicate that body was dragged out through plunderers' hole in block (Pl. XIV.A). In Diary, Feb. 25, 1919, Reisner reports "frag. of skull, collar bone, the end of a radius, seem light and small but not necessarily female."

OBJECTS 19-2-453, 454 debris of enclosure at E.;
 19-2-455 to 460 debris of Superstr.; 19-
 2-461 debris between Superstr. and
 chapel; 19-3-668 to 676 chamber debris;
 19-3-677 to 686 debris in pit.
 19-2-456 Frag. Pol. BkW. pottery jar. Fig. 17b.
 19-3-669 Two frags. fai. shawabti figures, types
 of Tanwetamani. Cf. Pl. xlv.c, d.

19-3-673 Frags. of human bone.

675 Frags. blue fai. box with Bk. ptd. dec.
 inside and out. Blue-gray body. Fig. 17b.

677 Human skull and a few bones. Pl. xiv.A.

678 Hollow gold ball bead with granulation
 around opening. Fig. 17c.

The rest are miscellaneous indeterminate fragments.

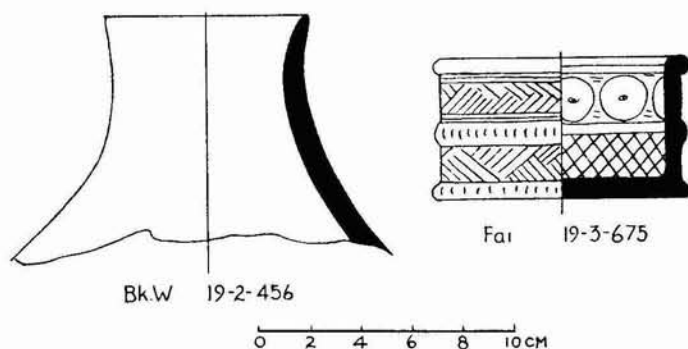


Figure 17b

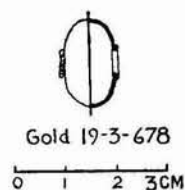


Figure 17c

Ku. 12. Number omitted.

Ku. 13. (C) Fig. 18a, Pl. xv.A. Name and sex not known.

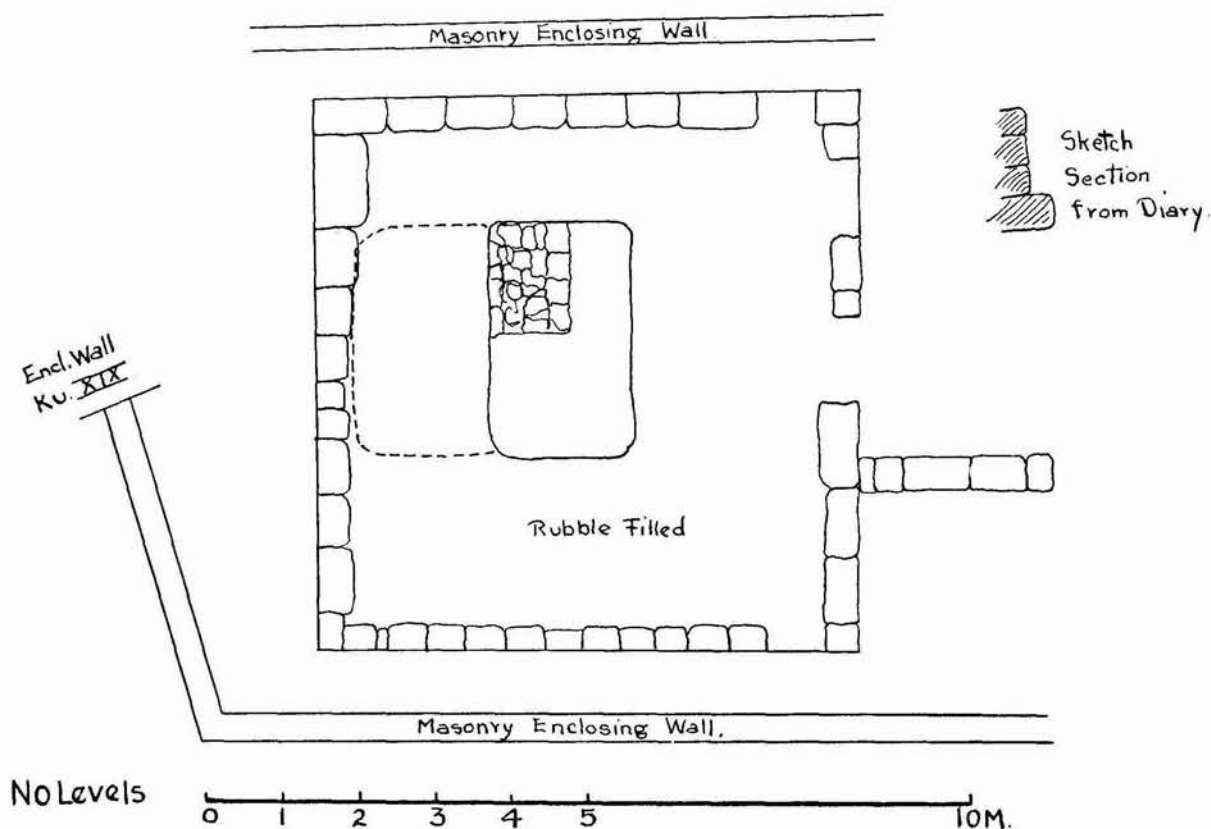


Figure 18a

SUPERSTR.	Sandstone masonry mastaba on projecting found. course. Preserved in part to c. 3. ca. 7.00 m. sq. at c. 1.
ENCLOSURE	Sandstone masonry, laid flat. Simple form. Note that on W. enclosing wall abuts on that of Ku. 19, which is older.
CHAPEL	Sandstone masonry. Plain form. S. wall only preserved.
F.D.	None.
SUBSTR.	Rectangular pit with large side chamber on W., oriented N-S. Blocking of small masonry blocks, not brick, in part preserved.
BURIAL	Completely plundered out.
OBJECTS	19-3-128 to 138 debris in enclosure; 19-3-259 E. of chapel; 19-3-268 to 275 debris in enclosure; 19-3-276 to 288 debris in pit; 19-3-289, 290 surface debris

W. of enclosure; 19-3-291 to 293 debris in pit; 19-3-889 to 905 debris in enclosure.

19-3-128 Head of a cat; electrum. Fig. 18f.

259, 270 Frags. blue fai. offering table with offerings in relief. Gray body. No inscr. Fig. 18e.

268 Two sheet copper graters (?), pierced. Fig. 18d.

271 Frags. hemispherical RW. bowl. Fig. 18b.

273 Frags. of human bone, perhaps intrusive.

276 Decayed frags. of a wooden bed leg.

277 Blue fai. scarab. Fig. 18f.

279 White stone pendant. Fig. 18f.

280 Flat circular green glass bead. Fig. 18f.

281 Black and white stone pendant. Fig. 18f.

288 BkW. pouring bowl. Fig. 18b.

19-3-289 Gray granite basin. Fig. 18d.

291 Frags. Pol. RW. bowl with inc. dots on top of rim. Fig. 18b.

889 Small RW. bowl. Fig. 18b.

890 Rim frag. RW. vessel. Fig. 18b.

891 Base frag. RW. vessel. Fig. 18b.

893 Frags. flat bottomed RW. dish. Fig. 18b.

897 Frags. RW. offering bowl on foot. Fig. 18b.

899 Sherds of RW., one with a Wh. Ptd. human head. Fig. 18c. (probably in-

truded here from Ku. 19 [q.v.], cf. 19-3-882).

19-3-900 FRW. sherd with part of an inc. pot-mark. Fig. 18c.

902 Two X. Ware sherds with three inc. hieroglyphs. Fig. 18c.

903 Frags. from one or more HRW. handled jars; Wh. Sl. Two sherds showing parts of an inc. hieroglyphic inscr. Fig. 18b-c.

904 Frags. from mouth of large X. Ware jar. Fig. 18b.

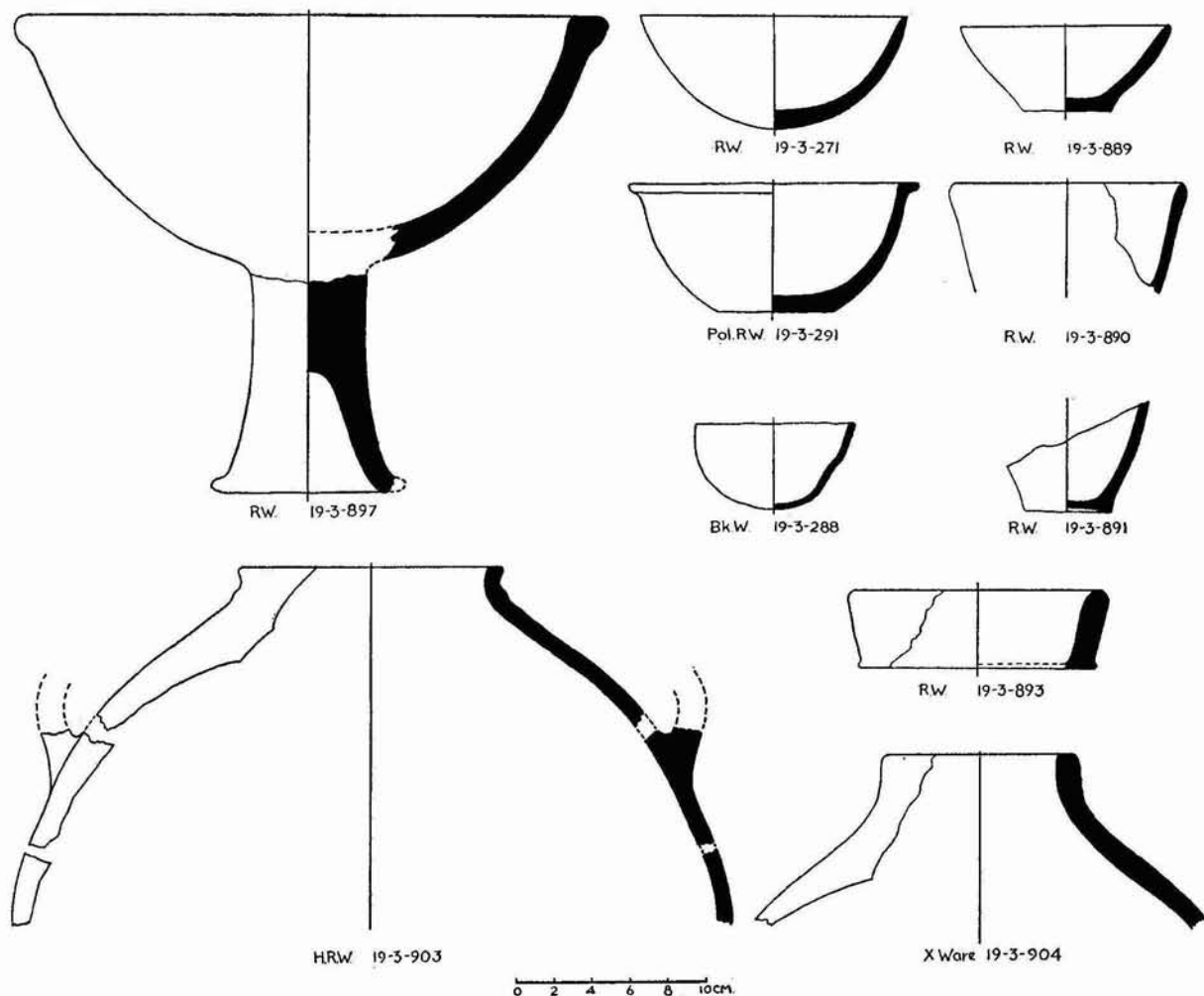


Figure 18b

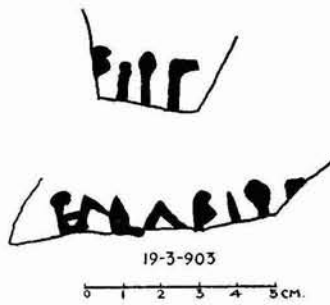
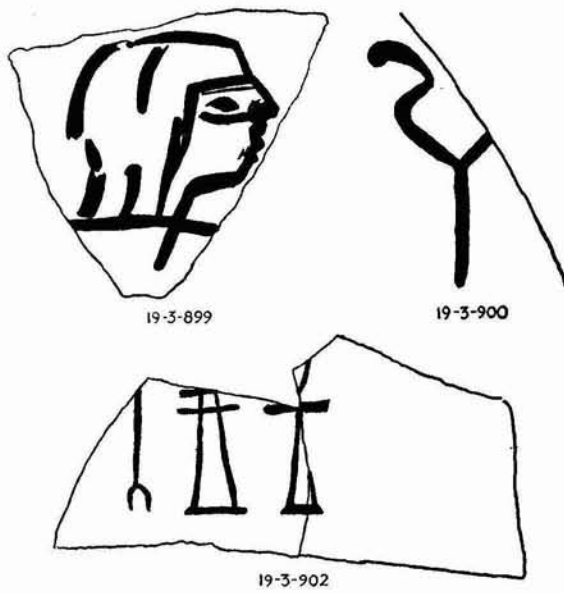


Figure 18c

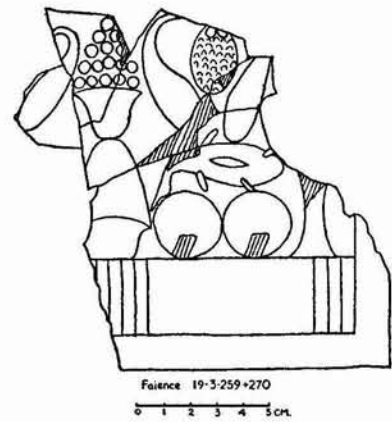


Figure 18e

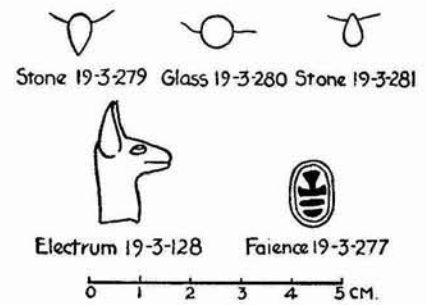


Figure 18f

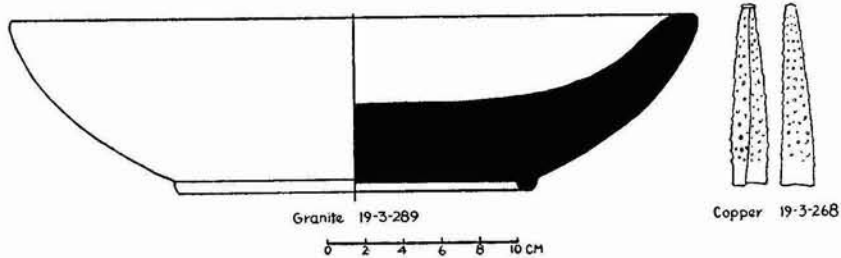


Figure 18d

Ku. 14. (C) Fig. 19a, Pl. xv.B. Name and sex not known.

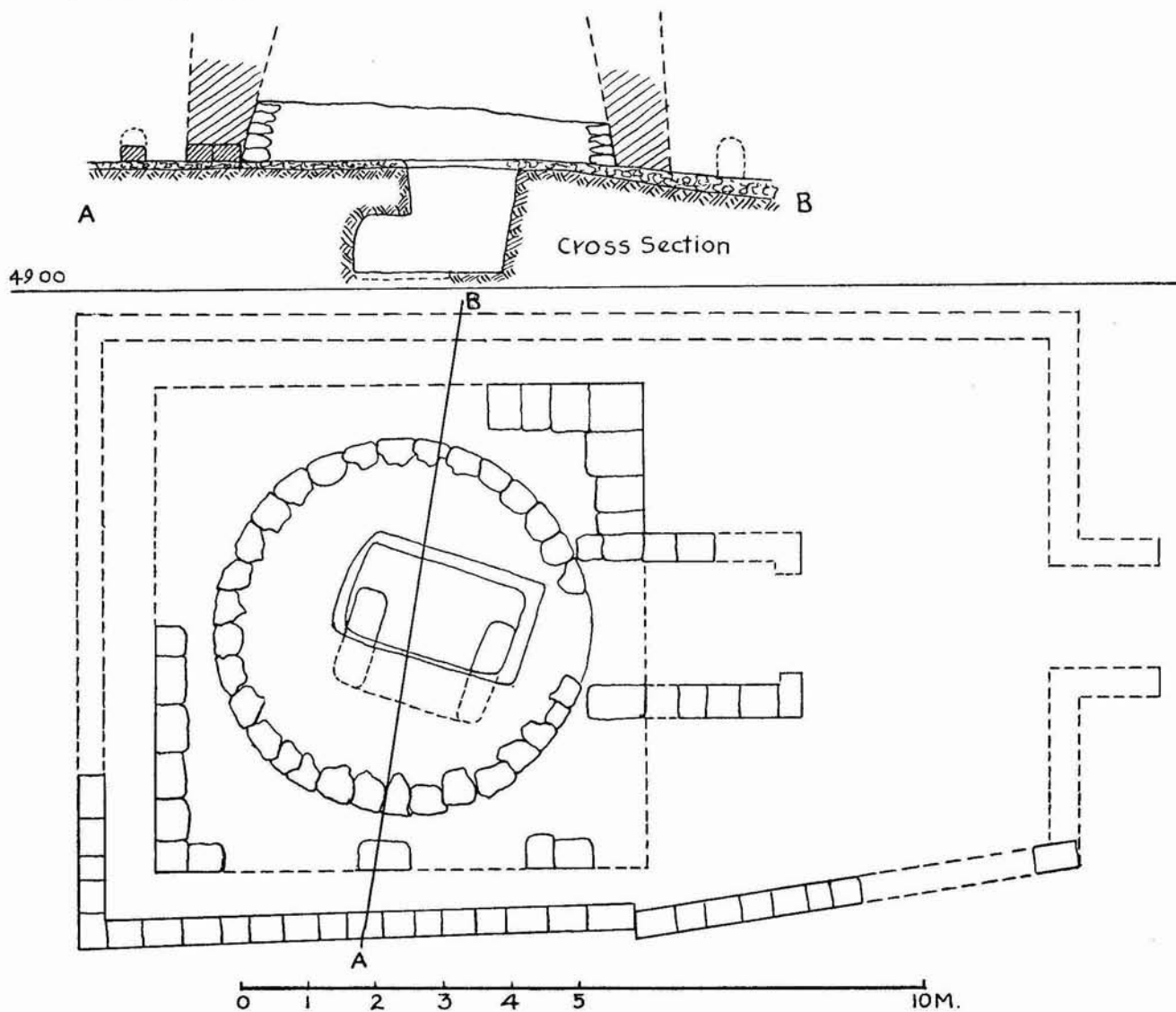


Figure 19a

SUPERSTR. Circular rubble tumulus encased in square sandstone masonry mastaba of which only part of found. course remains. *ca.* 7.10 m. sq. (diameter of tumulus *ca.* 5.50 m.)

ENCLOSURE Sandstone masonry. Plain form. The S. side has been skewed to the N. so as to leave open access to the older tomb Ku. 19 (see Map II).

CHAPEL Sandstone masonry. Plain form.

F.D. None.

SUBSTR. Pit with side chamber on SW., oriented NW.-SE. Chamber has trenches for bed legs. Blocking destroyed.

BURIAL

Completely plundered out.

OBJECTS

19-3-139 to 145 debris in enclosure; 19-3-262 to 267, 294 debris of pit and chamber.

19-3-262b. Two gold double cone beads. Fig. 19b.
 262e. Gold zig-zag fitting. Fig. 19b.

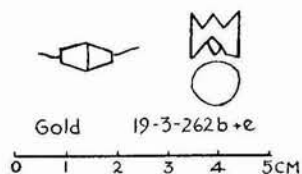


Figure 19b

Ku. 15. (3) Fig. 20a, Pl. xvi.A. King SHABAKO, son of KASHTA, younger brother of Pt'ANKHY.

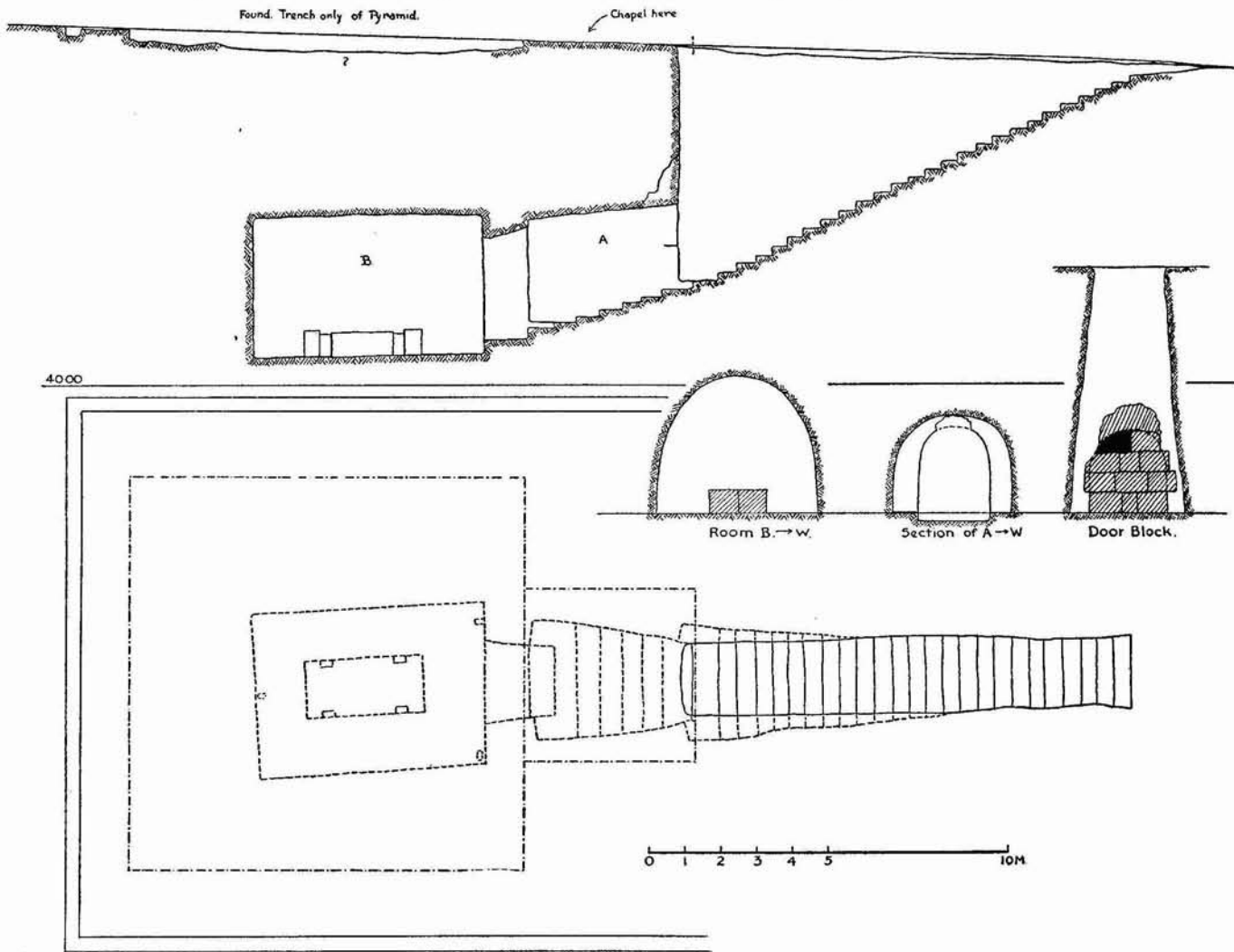


Figure 20a

SUPERSTR.	Presumed sandstone masonry pyramid. Found. trench only remains. Size: ca. 11.00 m.
ENCLOSURE	Sandstone masonry, in part preserved. Simple form.
CHAPEL	Destroyed. Found. trench gives general position.
F.D.	None.
SUBSTR.	Stair in front of chapel. Short sunk landing. Simple round-topped doorway. Blocking of sandstone masonry, partly in front of doorway (Pl. xvi.B). Two chambers: A is a corridor with sloping vaulted roof and seven steps, flaring to W., length 4.20 m. Entrance to B

BURIAL OBJECTS

through round-topped doorway and sunk landing. One step down in doorway. B, 6.35 × 4.60 m., high vaulted roof. Free standing masonry coffin bench on axis with niches for bed legs. On S. wall of B faint traces of ptd. scenes. No niches in chambers.

Completely plundered out.

19-1-645, 646 stair debris; 19-1-736 to 762 stair filling; 19-2-45 to 51 T.D. in stair; 19-2-52 to 62 lower part of stair; 19-2-63 to 69 thieves' hole in stair; 19-2-185 to 191 original filling at base of stair; 19-2-192 to 207 debris below thieves' entry in Chamber A; 19-2-208 to 216 debris in A; 19-2-483 to 504 T.D. in A;

- 19-2-552, 553 mixed debris in A; 19-2-564 to 581 T.D. in A; 19-2-582 to 588, 601 to 617, 637 to 642 debris in Chamber B; 19-2-673 T.D. in A; 19-2-676, 677 debris near door block in A; 19-3-5 to 12 siftings from B; 19-3-165 to 185, 187 to 222, 224 to 238 T.D. from A and B; 19-3-803 to 818 siftings from chambers; 19-4-140 shawabti figures from debris of chambers. Also one unregistered object.
- 19-1-645, 736, 737 Frags. fai. shawabti figures of Pt'ANKHY.
- 747 Frags. blue fai. cup; white body. Fig. 2ob.
- 750 Bronze Osiris figure. Fig. 2od.
- 758 Frags. from rim of gray granite basin. Fig. 2oc.
- 19-2- 52 Electrum inlay piece; eyebrow.
- 56 Two blue fai. Menat amulets. Fig. 2od.
- 57 Forty-six blue fai. barrel beads. Fig. 2od.
- 186 Frag. from conical base of a vessel, pinkish RW. Wh. Sl. Fig. 2ob.
- 197 Rim frag. from a porphyry vase. Fig. 2oc.
- 198 Base frag. crude RW. vessel. Fig. 2ob.
- 483 Frag. from neck and rim of large spherical alab. jar. Fig. 2oc.
- 489 Frags. alab. vase, two loop handles. Fig. 2oc.
- 490 Frags. alab. vase, two boss handles with tablets. Fig. 2oc.
- 494 Base of a RW. beaker. Fig. 2ob.
- 495 Frags. RW. pan. Fig. 2ob.
- 568 Frags. Pol. RW. beaker. Fig. 2ob.
- 616 Frag. crude RW. bowl. Fig. 2ob.
- 673 Gray granite offering table cut out to receive fai. insert (missing). Inc. hieroglyphic inscr. on top and bottom borders, with cartouche of Shabako. Fig. 2oe (Inscr.), Pl. xxx.B.
- 676 Alab. canopic jar lid; ape head. Pl. xxxvii.B.
- 677 Alab. canopic jar lid; human head. Pl. xxxvii.C and H.
- 19-3-165 to 171 One hundred twenty Udjat eye amulets of gold, silver, lapis, beryl, red jasper, stone, and paste. Pl. LVIA.
- 172 Serpentine fish pendant. Pl. LVIA 1/4.
- 173 Three conical electrum pendants. Pl. LXVIIA 4/2-3.
- 174 Frag. fai. figure of a cock, brown and yellow glaze, white body. Pl. LXVIIA 2/6.
- 175 Four gold disc beads with granulated edges. Pl. LXVIIA 1/1.
- 176 Gold cylinder with granulated banding. Pl. LXVIIA 1/3.
- 177 Three gold twin ring beads. Pl. LXVIIA 1/2.
- 178 Eight gold cylinder beads. Pl. LXVIIA 2/1-5, 7-9.
- 180 Three lapis cylinder beads. Pl. LXVIIA 2/10-12.
- 181 Amethyst pear-shaped drop. Pl. LXVIIA 1/4.
- 199 Half an alab. eye-white (mummy?).
- 200 Corner frag. from a blue fai. offering table. Gray body. Part of a debased hieroglyphic inscr. Fig. 2od.
- 201 Many frags. silver or electrum plate, some with embossed ribbing. Pl. LXVIIA 4/4-6.
- 217 Porphyry vase with pierced handles. Fig. 2oc, Pl. xxxviii.E.
- 231 Many fragments of decorated ivory, both incised and in relief: scenes and hieroglyphic inscs.:
- a. Figure of a kneeling Nile. Fig. 2of, Pl. xxxiii.A 1/4.
- b. Cartouche of Shabako with figure offering. Fig. 2of, Pl. xxxiii.D 2/2.
- c. Frags. of a Heb-sed scene with cartouche of Shabako. Fig. 2of, Pl. xxxiii.A 1/5.
- d. Frags. of decorative inscr. Fig. 2of, Pl. xxxiii.D 1/3-4.
- e. Many frags. of two processional scenes, perhaps from two long sides of a box; facing left; date palms and a man with an ostrich; facing right; papyrus clumps,

man with papyrus bundle on his back, cattle and birds. Fig. 20g, Pl. XXXIII.A-D.

19-3-232 Misc. frags. dec. ivory, incised and in relief. Figs. 20h-j, Pl. XXXIV.B-D.

233, 234 Ivory game pieces and frags.: seated lions and one ram-headed lion. Pl. XXXIV.A.

807, 808 Two granulated gold disc beads. Fig. 20d.

19-4-140 Fai. shawabti figures in debris, all broken, but representing not less than 183 figures. One type only: lappet wig, beard, no uraeus, no hands, no attributes.

Ink inscr. down front mostly illegible. Most have base under feet. Half molded, back hand-dressed. Soft white body, some with gray center, thin blue glaze. Pl. XLIV.B-C.

(Also intrusively 4 frags. of Pi'ankhy figures, 18 frags. Tanwetamani figures, and 5 frags. of queen's figures.)

Not registered. Found on floor of chamber B near NE. corner (Pl. XVI.C): Bronze disc mirror with gilded silver handle in form of a palm column, with four deities in high relief standing against it. Pl. LXII.A-E.

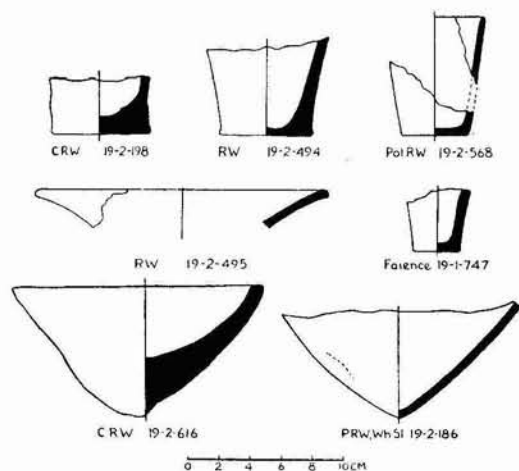


Figure 20b

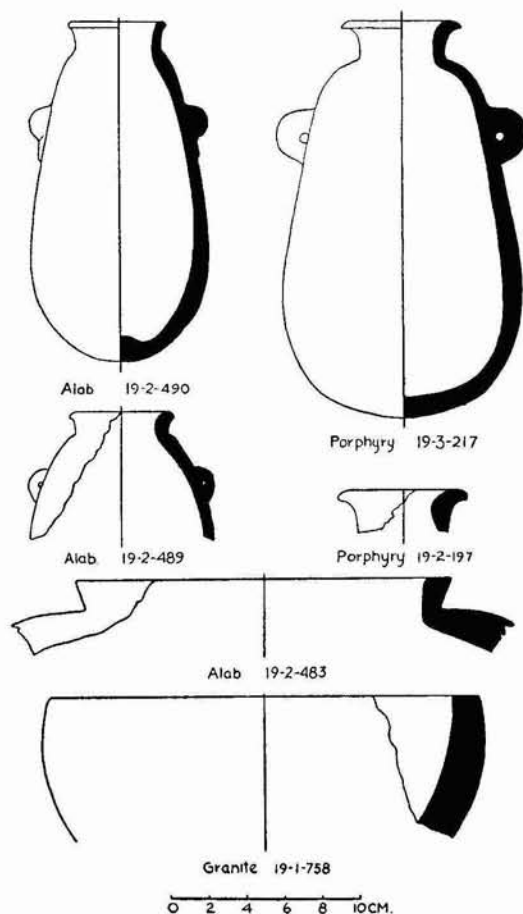


Figure 20c

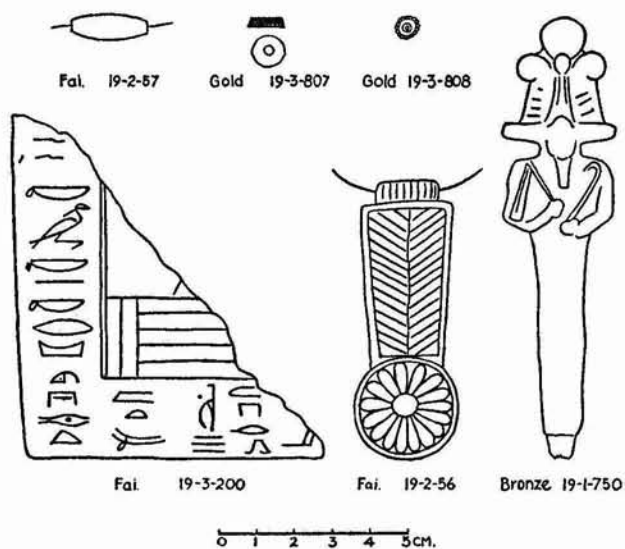


Figure 20d



Figure 20e

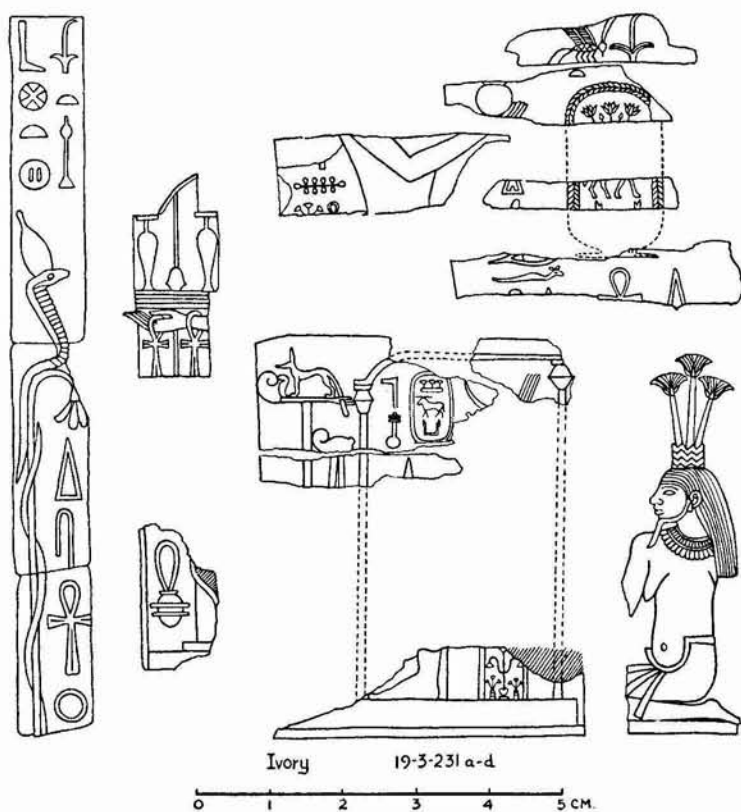
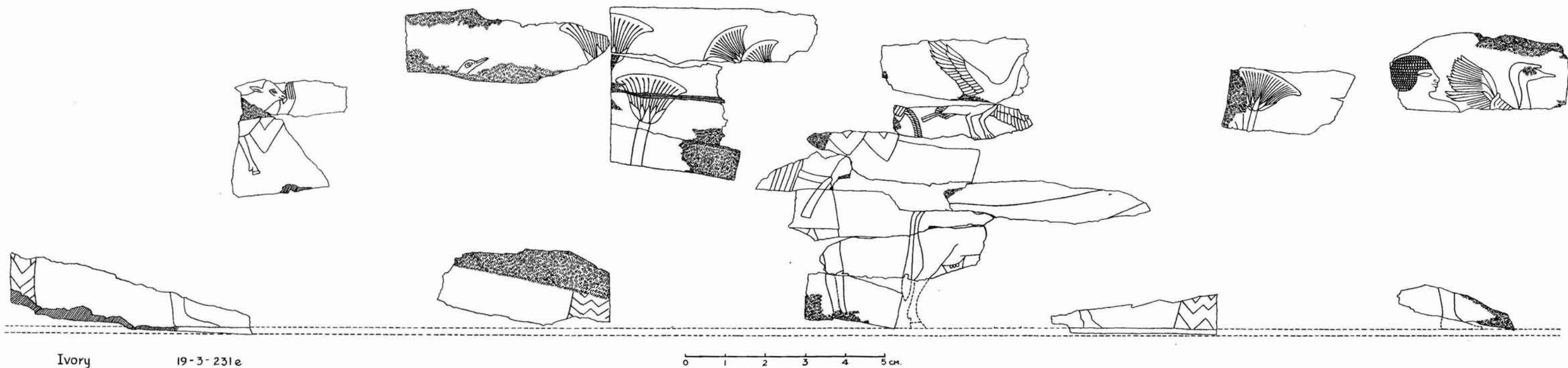
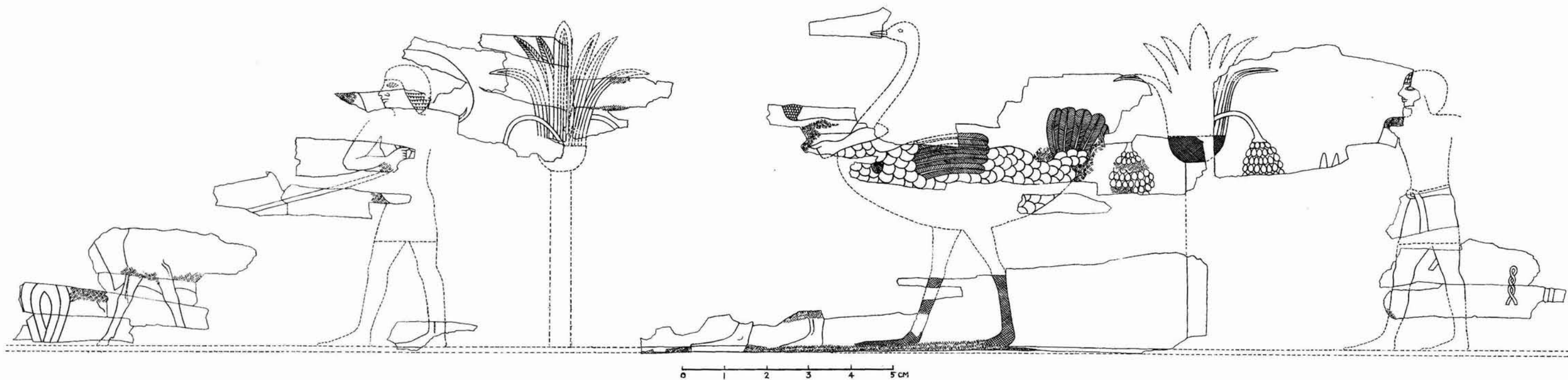


Figure 20f



Ivory

19-3-231e

0 1 2 3 4 5 cm.

Figure 20g

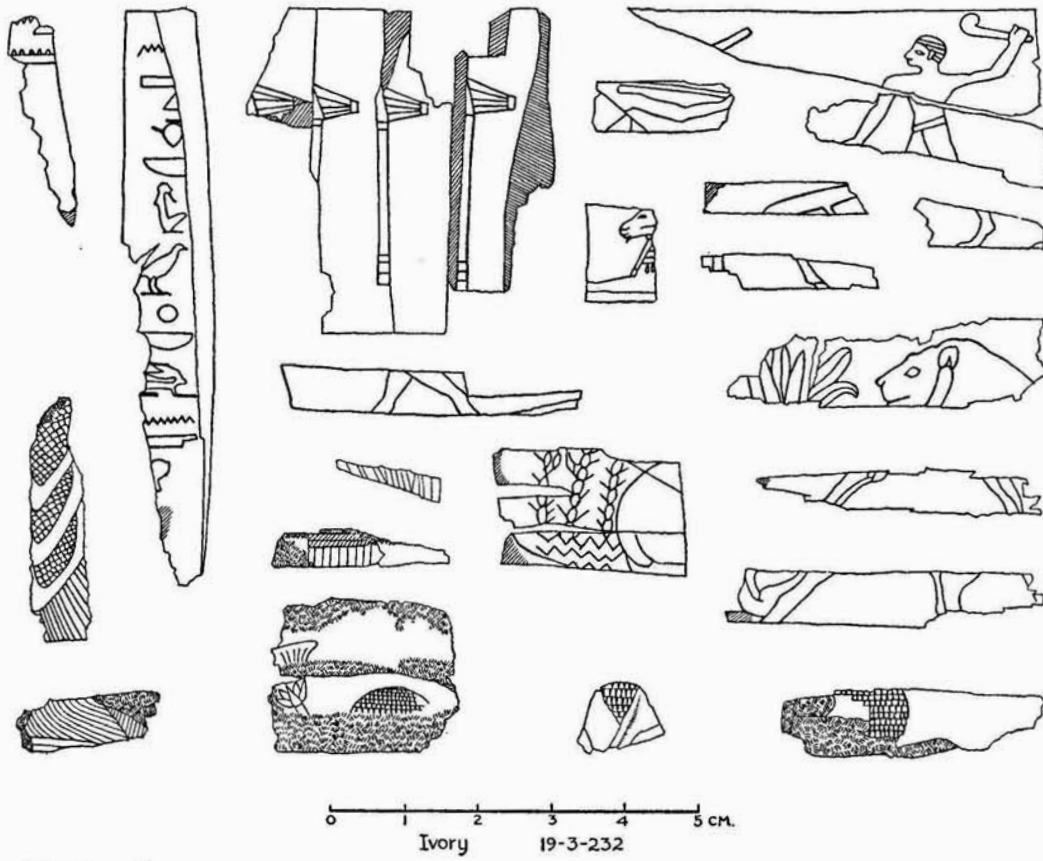


Figure 20h

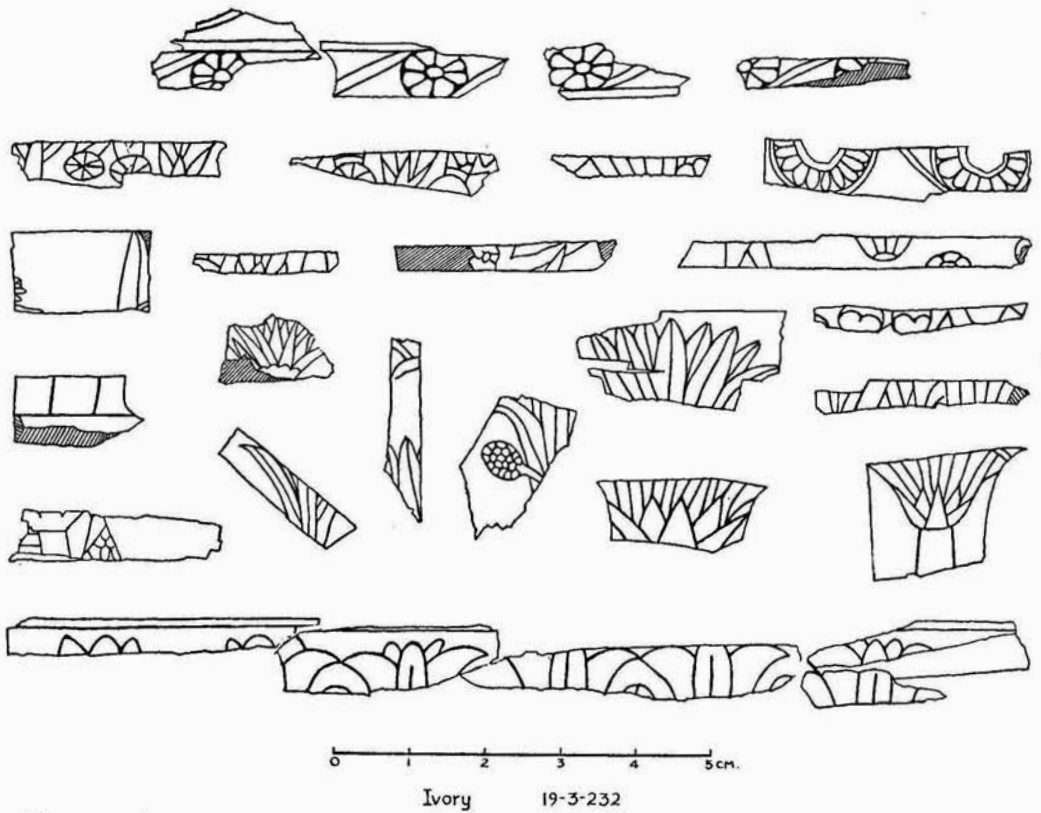


Figure 20j

Ku. 16. (6) Fig. 21a, Pl. xvii.A. King TANWETAMANI, son of SHEBITKU.

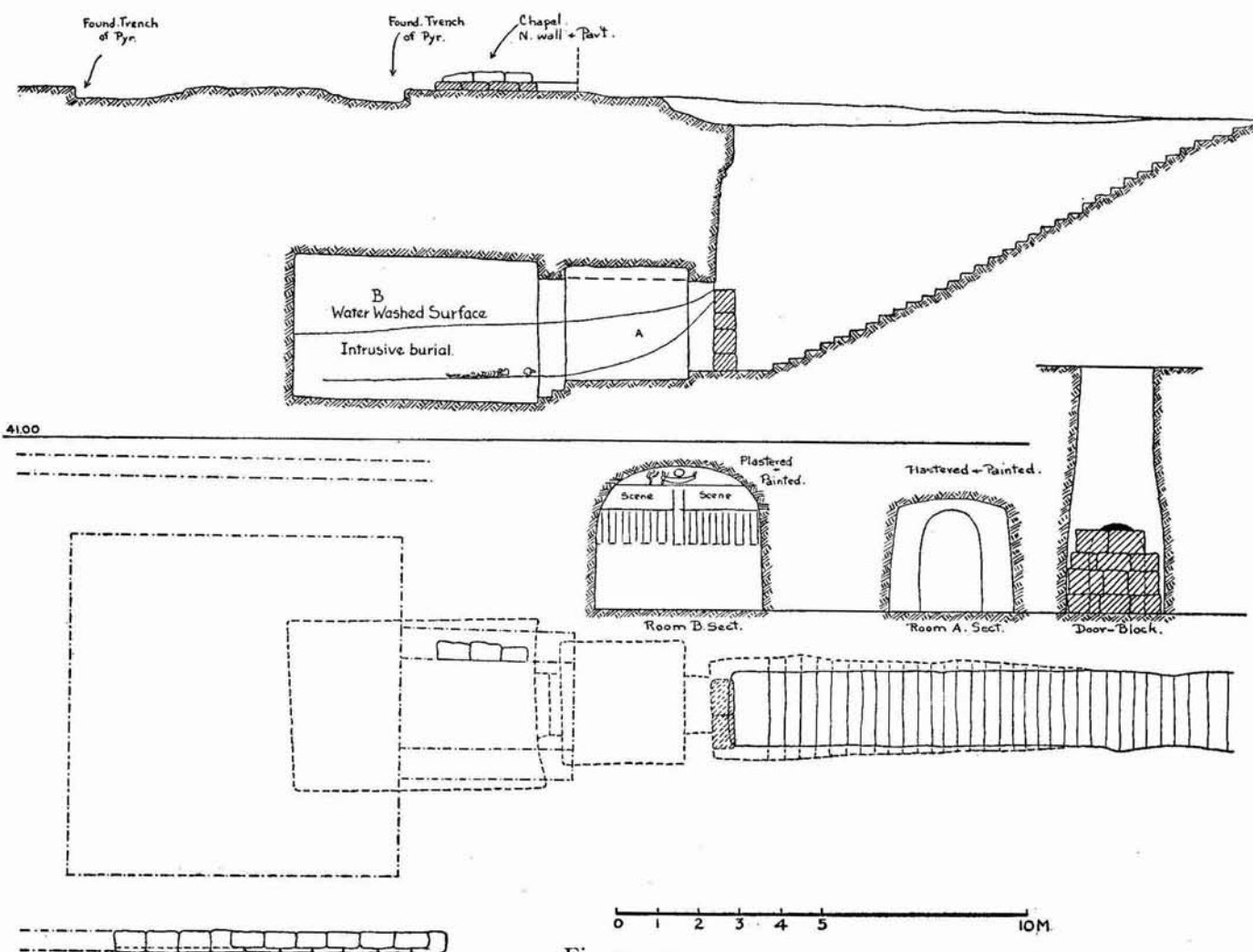


Figure 21a

- SUPERSTR.** Probably sandstone masonry pyramid. Found. trench only remains. ca. 8.25 m. sq.
- ENCLOSURE** Sandstone masonry. Few blocks of S. wall remain, found. trench on N., S. and W. only.
- CHAPEL** Sandstone masonry. Few blocks of N. wall remain. Form probably plain.
- F.D.** None.
- SUBSTR.** Stair in front of chapel. 34 steps with average of 2 Menat amulets in place on each. Short flat landing. Plain round-topped doorway. Masonry blocking in front (Pl. xvii.B) with top stone removed by thieves. Two chambers: A, 3.00 × 3.00 m., nearly flat roof, step down from

- entrance. Walls ptd. and inscr. (Pl. xvii.D); B, 6.00 × 4.15 m., slightly flattened vault roof, two steps down in doorway. No coffin bench or niche. Walls and roof of B plastered and ptd. with scenes and inscr.: E. wall Pl. xviii.A; W. wall Pl. xviii.B; N. wall Pl. xix; S. wall Pl. xx.
- BURIAL** Original burial plundered out. Later intrusive female burial with three pots just inside chamber B on ca. 65 cm. of washed debris, extended on back, head E. (Pl. xvii.C).
- OBJECTS** 19-2-297 to 311 on stair, upper part; 19-2-312 to 331 T.D. in stair; 19-2-340 original filling before door block; 19-2-341 to 346 thieves' hole in stair; 19-2-350

to 357 original filling, lower steps; 19-2-360 to 368 T.D. at door block; 19-2-369 to 372 chapel debris; 19-2-392 thieves' hole in stair; 19-2-393 to 398 at door block; 19-3-1 to 4, 13 to 20 debris washed into Chamber A; 19-3-298 to 303 debris in A and B; 19-3-304, 305, 307 intrusive burial in Chamber B; 19-3-308 to 319 debris in A and B; 19-3-320 with intrusive burial; 19-3-321 to 326 debris in A and B; 19-3-327, 328 with intrusive burial; 19-3-329 to 335 chamber debris; 19-3-371 to 382 T.D. in A; 19-3-383 to 390 debris in A; 19-3-571, 572 SW. corner of A; 19-3-573 NE. quarter of B; 19-4-142 fai. shawabti figures from debris; 19-4-176 to 178, 187, 188 plunderer's debris on surface of stair cut; 19-4-200 surface debris SE. of chapel site. Also 3 unregistered objects.

19-2-297 to 300 Blue glazed fai. Menat amulets (and many more on steps and at doorway). Pl. LVIC.

- 301, 305 Many dark blue fai. ring beads.
- 316 Rough CRW. pot, hand made. Fig. 21b.
- 330 Neck and handle frag. of HBrW. drum-type bottle. Fig. 21b.
- 340 Frags. RW. pan, bright R. wash inside rim. Fig. 21b.
- 341 Seven neatly folded sheets of gold leaf.
- 346 and 19-3-323 Frags. upper part large alab. jar with twin ring handles. Fig. 21b.
- 353 Blue fai. Menat amulet. Fig. 21c.
- 392 Rim frags. RW. pot. Fig. 21b.
- 393 Frags. shallow RW. bowl. Fig. 21b.

- 19-3-15 Frags. from a large RW. drum-type jar.
- 298 Gold rosette button with loop inside. Fig. 21c.
- 299 Gold disc button; loop underneath. Fig. 21c.
- 301 Six gold disc beads, granulated, like 19-3-376 (below).
- 302 Gold leaf-shaped ornament suspended from a ballbead; ring shank soldered to back. Pl. LXIII.B, c.

19-3-304, 305 Skull and bones of intrusive female burial. Pl. XVII.C.

- 308, 315 Part of large pale green fai. amulet: lion-headed aegis, modeled on both sides, ring shank at back. Fig. 21c.
- 310 Base of Y. glazed fai. figure with foot of a bird in brown. Fig. 21c.
- 320 Small Pol. BkW. bottle (with intrusive burial). Fig. 21b.
- 324 Three inscr. frags. from side of alab. canopic jar. Fig. 21e.
- 327 Pol. BkW. jar with Inc. Dec. band at throat (with intrusive burial). Fig. 21b.
- 328 RW. jar (with intrusive burial). Fig. 21b.
- 376 Two gold disc beads with granulated edges. Fig. 21c.
- 571 Alab. canopic lid: ape head. Pl. XXXVII.E 3.
- 572 Alab. canopic lid: hawk head. Pl. XXXVII.E 1.
- 573 Alab. canopic lid: human head (larger than the preceding). Pl. XXXVII.E 2, F.

19-4-142 Fai. shawabti figures of two types:

- a. Small. Lappet wig, beard, no uraeus. Hands opposed, each holding hoe. Basket over left shoulder. Base but no pilaster up back. Inc. inscr. down front, the formula continuing through 15 to 16 figures. Half molded, hand-dressed backs. Good white to blue-white body, heavy blue-green glaze. At least 176 figures represented. Pl. XLV.C. (Order of inscr.: top row, left to right; 10, 9, 7, 6, 5, 4, 3, 2, 1, 8; bottom row; 9, 8, 7, 6, 5, 4 and 3, back, side.

- b. Larger, queen's type. Bag wig without beard or uraeus. Hands crossed right over left, hoe in r. on l., basket on r. back held by two cords in l. Pilaster and base. Uninscr. Technique and ware as a. At least 318 figures represented. Pl. XLV.D.

- 176 Three frags. blue glazed fai. offering table, reddish body. Offerings in low relief. Bordering hieroglyphic inscr. including cartouche of Tanwetamani. Fig. 21d, Pl. XXXII.B.

19-4-200 Granite offering table. Offerings in relief. Bordering hieroglyphic inscr. with cartouches of Tanwetamani. Pl. XXXII.A.

Not registered. Green serpentine heart scarab from base of thieves' hole before door block, probably originally from Ku. 15. Inscr. in ten lines, but without name. Pl. XLVIII.G-I.

Not registered. Green slate heart scarab from debris in Chamber B, and probably from this tomb. Inscr. in eleven lines but without name. Pl. XLVIII.D-F.

Not registered. Steatite scarab found in surface debris NE. of superstr. and undoubtedly from Ku. 15. Inscr. with sphinx and name of Shabako. Pl. XLVIII.A-C.

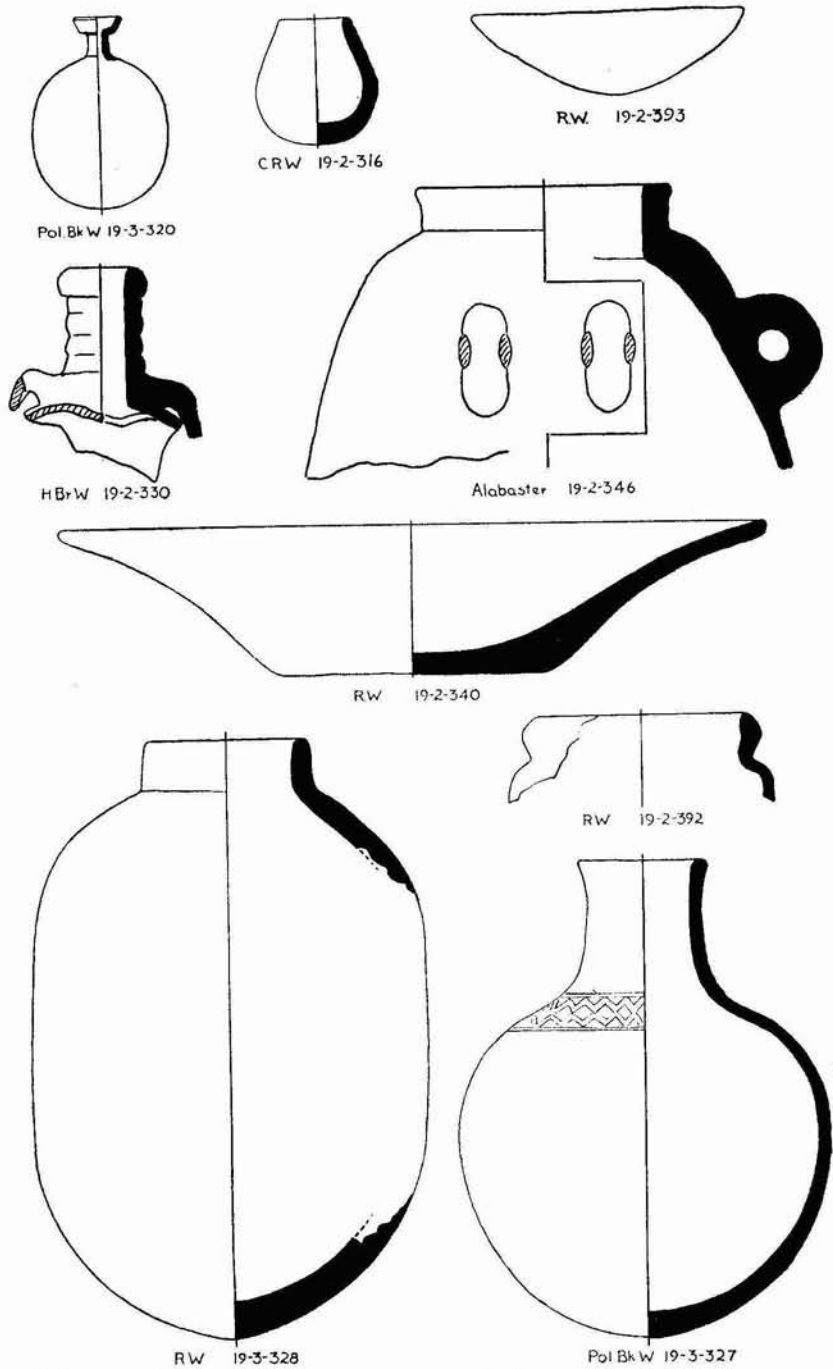


Figure 21b

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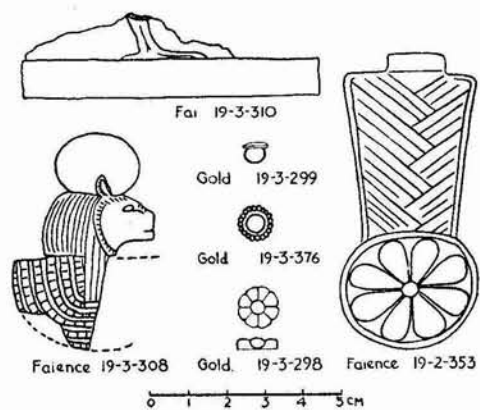


Figure 21c



Figure 21e

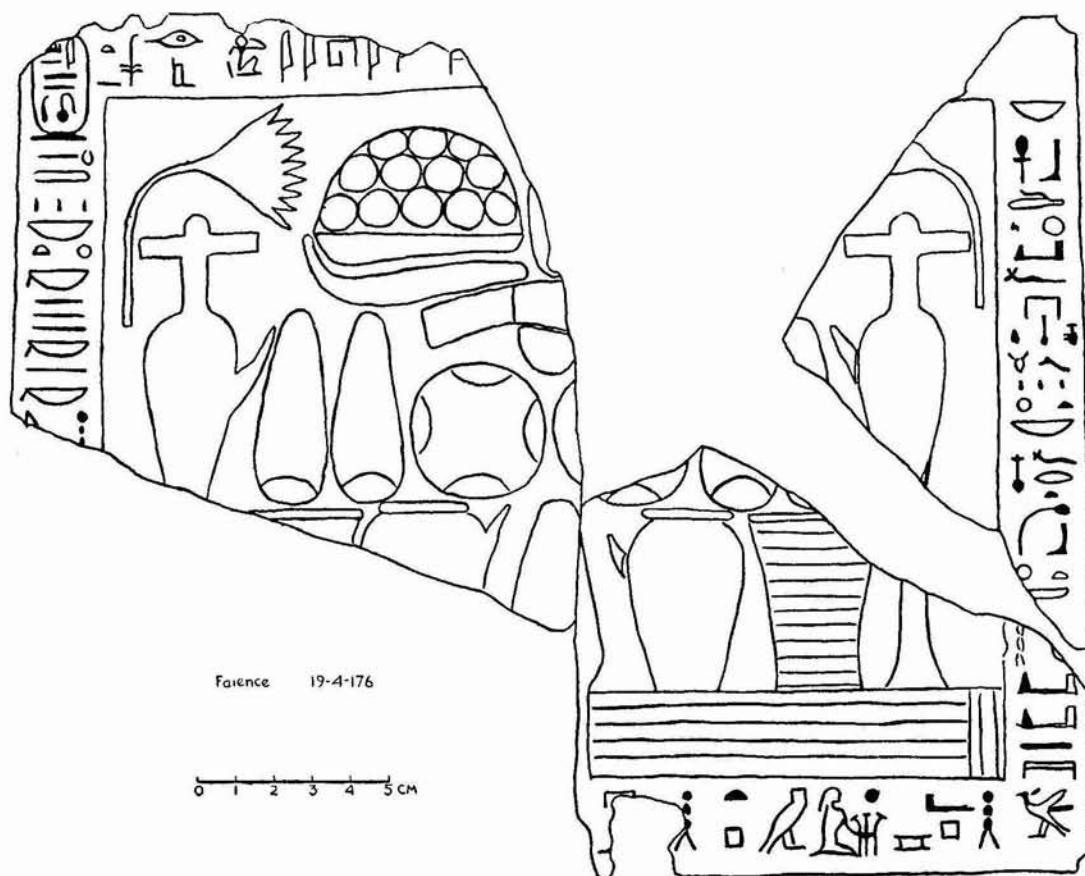


Figure 21d

Ku. 17. (2) Fig. 22a, Pl. XXI, XXII.A. King Pt'ANKHY, son of KASHTA, elder brother of SHABAKO.

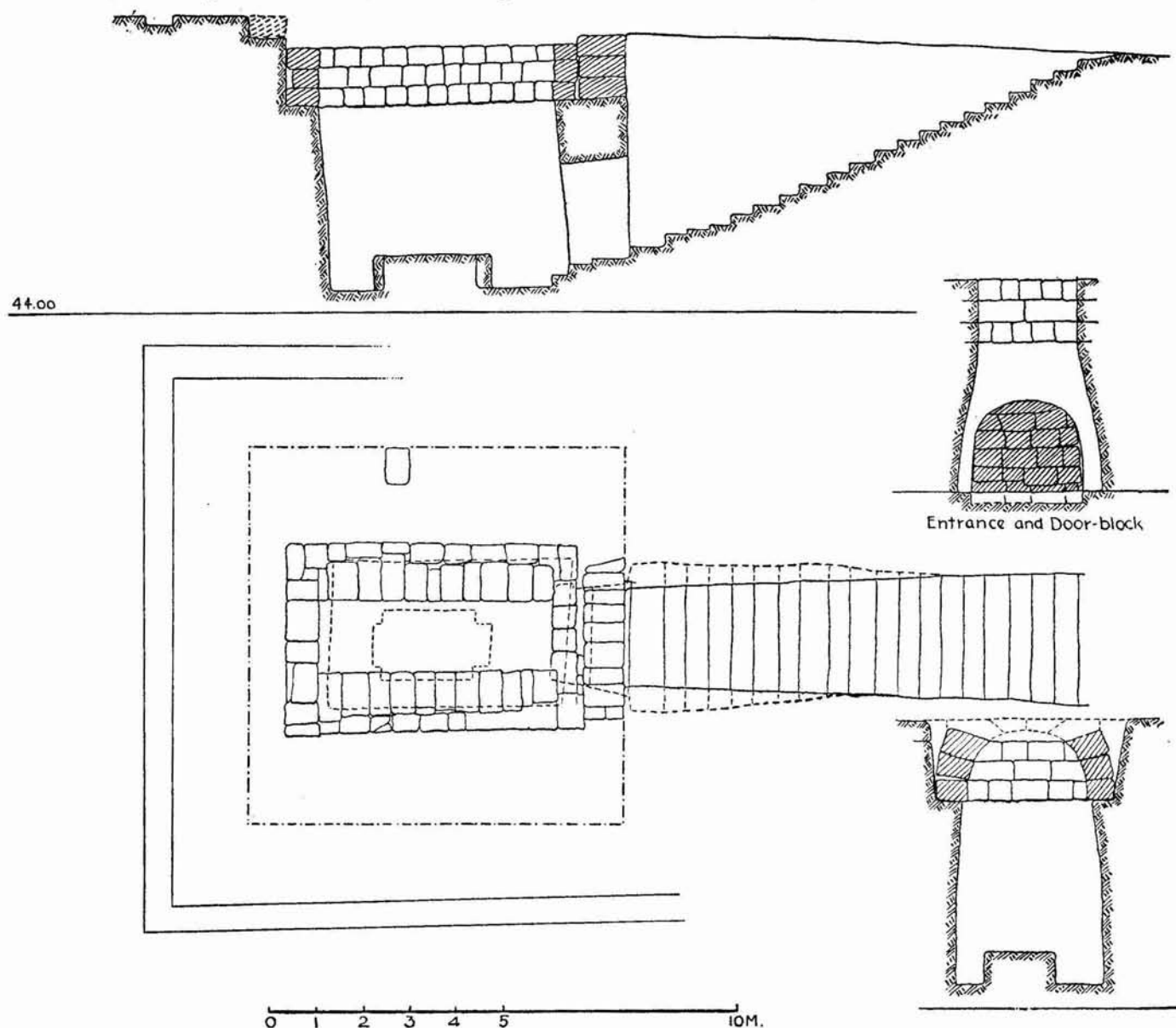


Figure 22a

SUPERSTR.	Probably sandstone masonry pyramid. One stone of f.c. remains in found. trench. ca. 8.00 m. sq.
ENCLOSURE	Sandstone masonry. Plain form. Parts of S., W., and N. walls preserved.
CHAPEL	Completely destroyed.
F.D.	None.
SUBSTR.	Stair of 19 steps to doorway directly beneath E. face of superstr. (chapel must have been over stair cut). Slightly flattened round-topped doorway with

BURIAL

masonry block between jambs carefully laid in plaster (Pl. XXII.C), behind which was an inner masonry block. Two steps in doorway, above which the rock extends only part way to surface (see Fig. 22a). Single chamber 5.05×3.15 m., roofed with masonry corbel vault. One step down inside doorway. Free-standing rock coffin bench very slightly S. of axis, with cut-outs for bed legs. No niche.

Completely plundered out.

- OBJECTS**
- 19-2-244 to 255, 296, 332 to 339 stair debris (no undisturbed filling remains); 19-2-347 to 349 stair before door block; 19-2-373 to 384 surface debris S. of superstr.; 19-2-416 to 437, 471, 472, 540 to 542, 674, 675 T.D. at door block; 19-3-146 to 156 T.D. in chamber; 19-3-164, 239, 241 to 251 chamber debris; 19-3-252, 253 chamber siftings; 19-3-257, 258, 260, 261, 720 to 724, 1317 chamber debris; 19-4-139 shawabti figures from stair and chamber debris; 19-4-165 to 169 surface debris N. and W. of stair cut; 19-4-170 to 175 debris of S. enclosing wall; 19-4-197 to 199 not located.
- 19-2-244 to 251 Misc. scraps gold foil, alab. and fai. vessels, lapis inlays, and blue glass.
- 252 Rim frag. RW. bowl with overhanging rim. Fig. 22b.
- 253 Rim frag. RW. vessel; RPol. outside. Fig. 22b.
- 334 Six fragmentary lapis inlays. Pl. LXXII.A.
- 347 Small BkW. pot, traces R. wash outside. Fig. 22b.
- 375 Frag. of a blue fai. amulet; winged female figure. Pl. LXXII.A.
- 19-2-416, 417 Frag. of a blue fai. Menat amulet and ring beads.
- 418 Lapis inlay pieces and frags. Pl. LXXII.A.
- 419 Two lapis Udjat eyes. Pl. LXXII.A. 1/5-6.
- 420 Eleven frags. light blue paste inlays. Pl. LXXII.A.
- 429 RW. pottery cup with pointed base. Fig. 22b.
- 436 A few human bones, perhaps female.
- 674 Bronze compound libation stand. In position in Pl. XXII.B. Fig. 22d, Pl. XL.B-C, restored Pl. XL.A.
- 675 Two bronze (or silver?) bowls with egg-shaped opening. Fig. 22c.
- 19-3-241 to 243 Many inlays and frags. of lapis and blue and red fai. Pl. LXXII.A.
- 245 Frag. of blue fai. Menat amulet with cartouche of Pt'ANKHY on back.
- 250 Frag. of human skull, intrusive (?)
- 257 Several burnt dog (?) and human bones, intrusive (?).
- 261 Four white limestone canopic lids: jackal head split in two, hawk head damaged, ape head intact, human head decayed and incomplete.

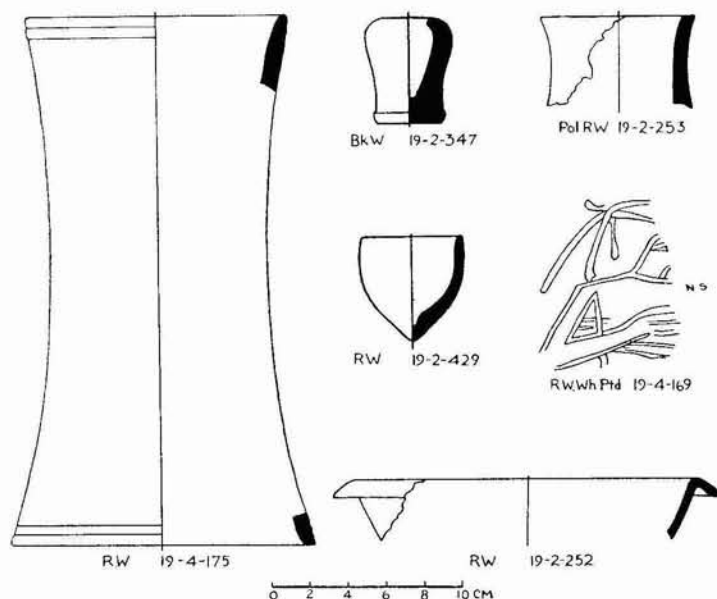


Figure 22b

- 19-3-720 Two limestone canopic jars to which the above belong. Fig. 22c, the group Pl. xxxvii.A.
- 19-4-139 Fai. shawabti figures of Pi'ANKHY from debris in stair and chamber, as follows:
- Lappet wig, uraeus, beard. Mummiform without hands or implements. Inscr. in ink with cartouche down front. Half-molded, flat dressed back. Hard fine white body with grayish center, blue or green glaze. Total: at least 56 figures. Pl. XLIV.A 1/all, 2/1-3.
 - Foreman. Standing figure with left foot advanced. Right arm hanging, left on breast holding crook. Bag wig, uraeus, and beard. Royal apron. Ink inscr. on back as in *a*. Technique as *a*. Total: at least 6 figures. Pl. XLIV.A 2/5-9.
 - Foreman. Standing figure as *b* but with position of hands reversed. Tab of apron pleated. No inscr. Hand-made? Material as *a* and *b*. Total: at least 2 figures. Pl. XLIV.A 2/4.
- 169 Sherd of RPol. RW. with part of a Wh. Ptd. human figure. Fig. 22b.
- 175 RW. pottery cylindrical stand, almost complete. Fig. 22b.

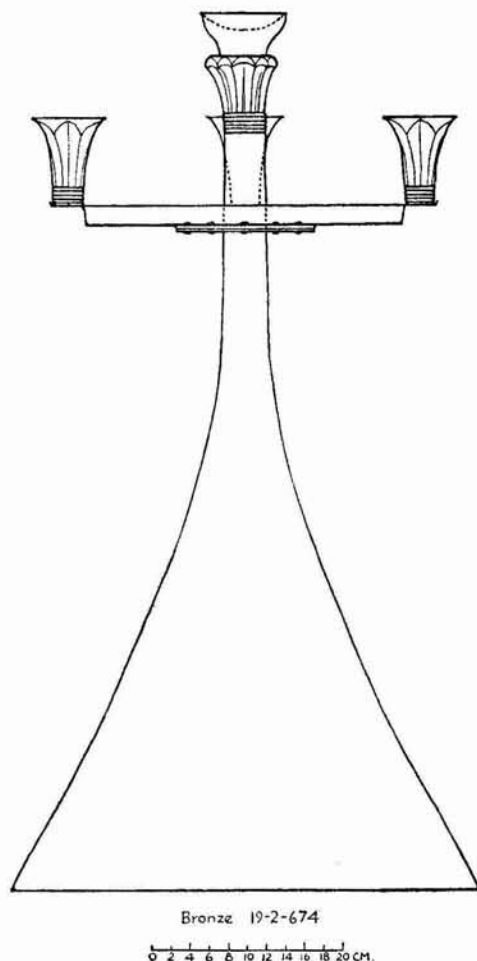


Figure 22d

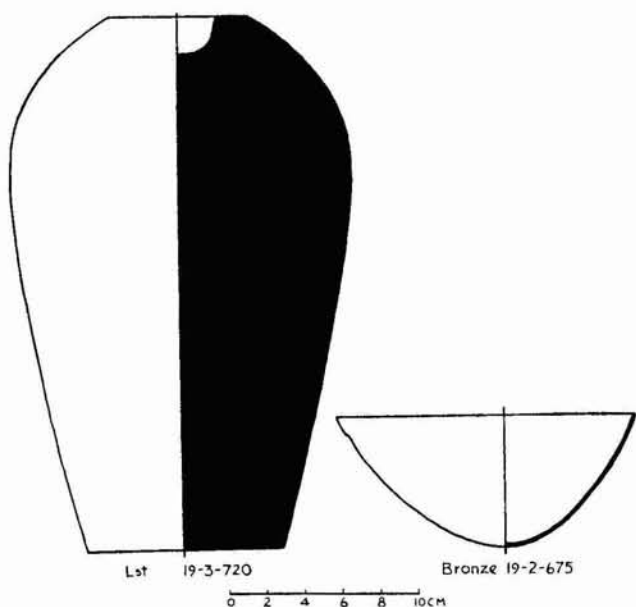


Figure 22c

Note: Miss R. Moss of the Griffith Institute, Oxford, has called my attention to the linen with ink inscription bearing the cartouches of Pi'ankhy, British Museum 6640, and tells me that it is referred to in Wilkinson MSS., ix, 137, as having been brought from Thebes to England by A. C. Harris of Alexandria. The text is published by J. B. Greene, *Fouilles Exécutées à Thèbes en 1855*, Pl. viii, 3 and 3a. See also Brit. Mus., *Guide to the Fourth, Fifth, and Sixth Egyptian Rooms*, p. 224 (13). The suggestion that this object may have come from the burial of Pi'ankhy himself appears most improbable. Ku. 17, in common with all the tombs at El Kurru, was thoroughly plundered in antiquity, at the latest in late Meroitic times. That such a thing as inscribed linen should have survived exposure for at least 1500 years seems well-nigh incredible. It is far more likely that this object came to light at Thebes in recent times, perhaps a gift from Pi'ankhy to some temple or to the tomb of an adherent or relative buried there.

Ku. 18 (4) Fig. 23a, Pl. xxiii.A. King SHEBITKU, son of Pt'ANKHY, father of TANWETAMANI.

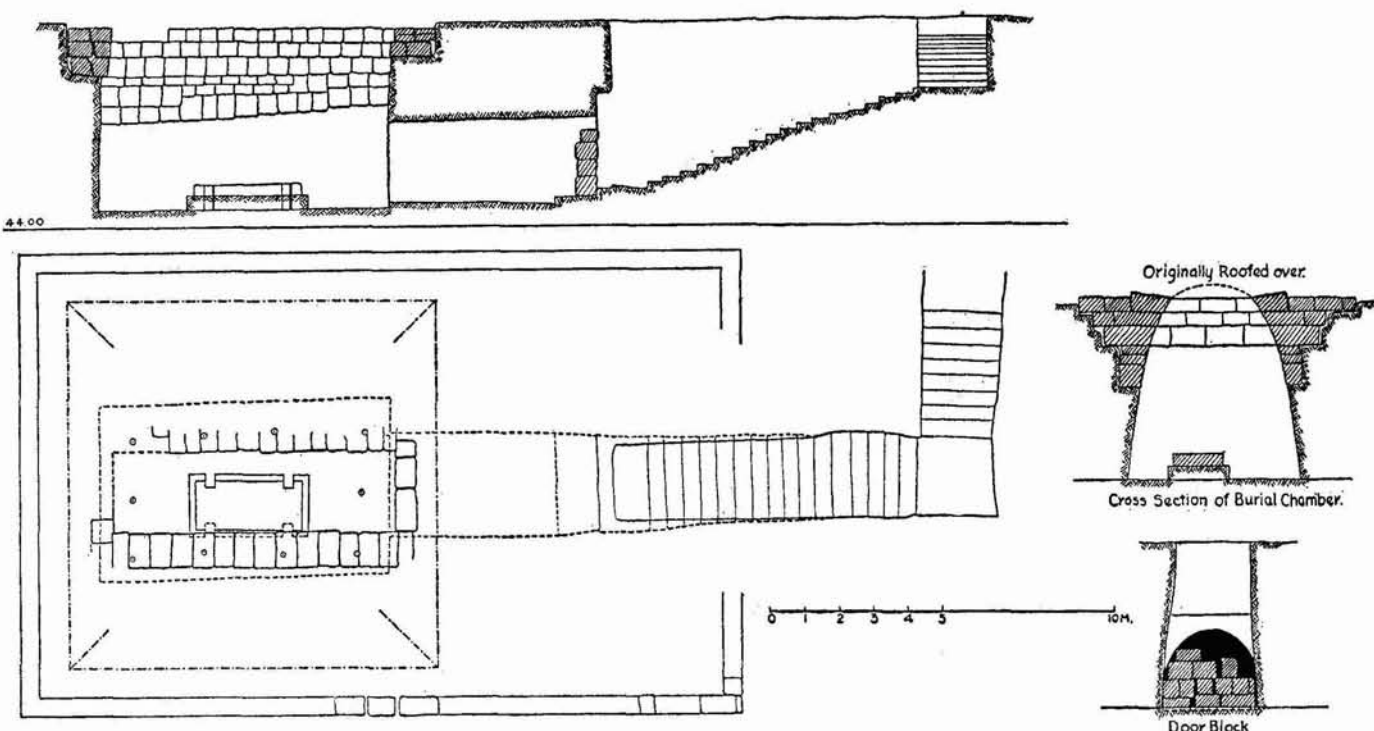


Figure 23a

SUPERSTR.	Probably sandstone masonry pyramid. Found. trench only remains. <i>ca.</i> 10.70 m. sq.
ENCLOSURE	Sandstone masonry. Found. trench and few blocks on S. and SE. only. Plain form.
CHAPEL	Completely destroyed.
F.D.	None.
SUBSTR.	Stair: Nine steps descending to S., then turning W. and descending 18 more steps to a short irregular landing. (The turn in the stair suggests that the pre-existing tomb Ku. 8 to the E. prevented a straight run to the desired depth.) Irregularly round-topped doorway to full width of cutting. Masonry door block partly in place (Pl. xxiii.B). Two chambers: A, 6.00 × 3.00 m. is level tunnel with half-round vaulted roof and one step down inside entrance; B, 6.40 × 5.10 m., masonry corbel roof. Free-standing coffin bench S. of axis, the lower part rock, the upper of masonry. Deep cut-outs for bed legs. Ten holes in

BURIAL

OBJECTS

floor of B suggest use of poles for a canopy. No niche. Pl. xxiii.C.

Completely plundered out. Six intrusive burials of later date were found in drift sand high up in B.

19-2-217 to 220 original filling in stair; 19-2-221 to 224 T.D. in stair; 19-2-225 to 227 on step 18; 19-2-228 to 237 stair debris near thieves' hole; 19-2-238 original filling; 19-2-239 to 243 thieves' hole; 19-2-256, 257 top of door block; 19-2-358 original filling in stair; 19-3-254 to 256 debris in Chamber A; 19-3-725 to 770 debris in A and B; 19-3-820 to 833 debris; 19-3-835 intrusive burials in B; 19-3-1580, 1581 debris in A; 19-4-141 shawabti figures from debris in stair and chambers.

19-2-223 Base frag. blue fai. vessel. Fig. 23d.

225 to 227 Two blue fai. Menat amulets, Pl. LVI.B, and blue fai. ring beads.

228 Skull and a few bones, probably from plundered original burial.

230 White-bodied fai. spacer, like 19-2-242 (below), but smaller.

19-2-235 Rim frag. bright blue fai. saucer, gray body. Fig. 23d.

239, 240 Frags. of 2 limestone dummy canopic jars, one with human head, forming set with 19-3-733, 769 (Pl. xxxvii.D).

242 White bodied fai. spacer. Fig. 23d.

358 Large light RW. jar with twin handles and rilled surface. Fig. 23b.

19-3-732 Many lapis inlays and fragments.

733 Limestone dummy canopic jar: ape head. Pl. xxxvii.D 1.

738 Rim frag. crude RBrW. pot, Bk. surface. 4 bosses connected by crude inc. dec. Hand-made. Fig. 23c.

739 Base frag. RW. jar. Fig. 23c.

740 Base frag. RW. vessel. Fig. 23c.

743 Frags. from top and base of hand-made RW. jug, RPol. exterior. Fig. 23b.

19-3-748 Rim frag. deep RW. bowl. Fig. 23c.

761 Frag. of faded blue fai. offering table with bordering hieroglyphic inscr. Hard gray body. Fig. 23d.

768 Base frag. RW. vessel. Fig. 23c.

769 Dummy limestone canopic jar: hawk head. Pl. xxxvii.D 2.

770 Frags. of human bones.

822 Frag. RW. lid of a vessel. Fig. 23c.

823 Mouths of 2 FHRW. vases. Fig. 23c.

825 Frags. of *ca.* 3 round-bottomed handled jars of PRW., Wh. Sl., R. wash inside. Fig. 23c.

826 Rim frag. RW. bowl. Fig. 23c.

827 Frags. of a large PRW. vessel, Wh. Sl., horizontal ledge handles pierced, ring base. Fig. 23b.

835 Bones of approximately six intrusive burials in B.

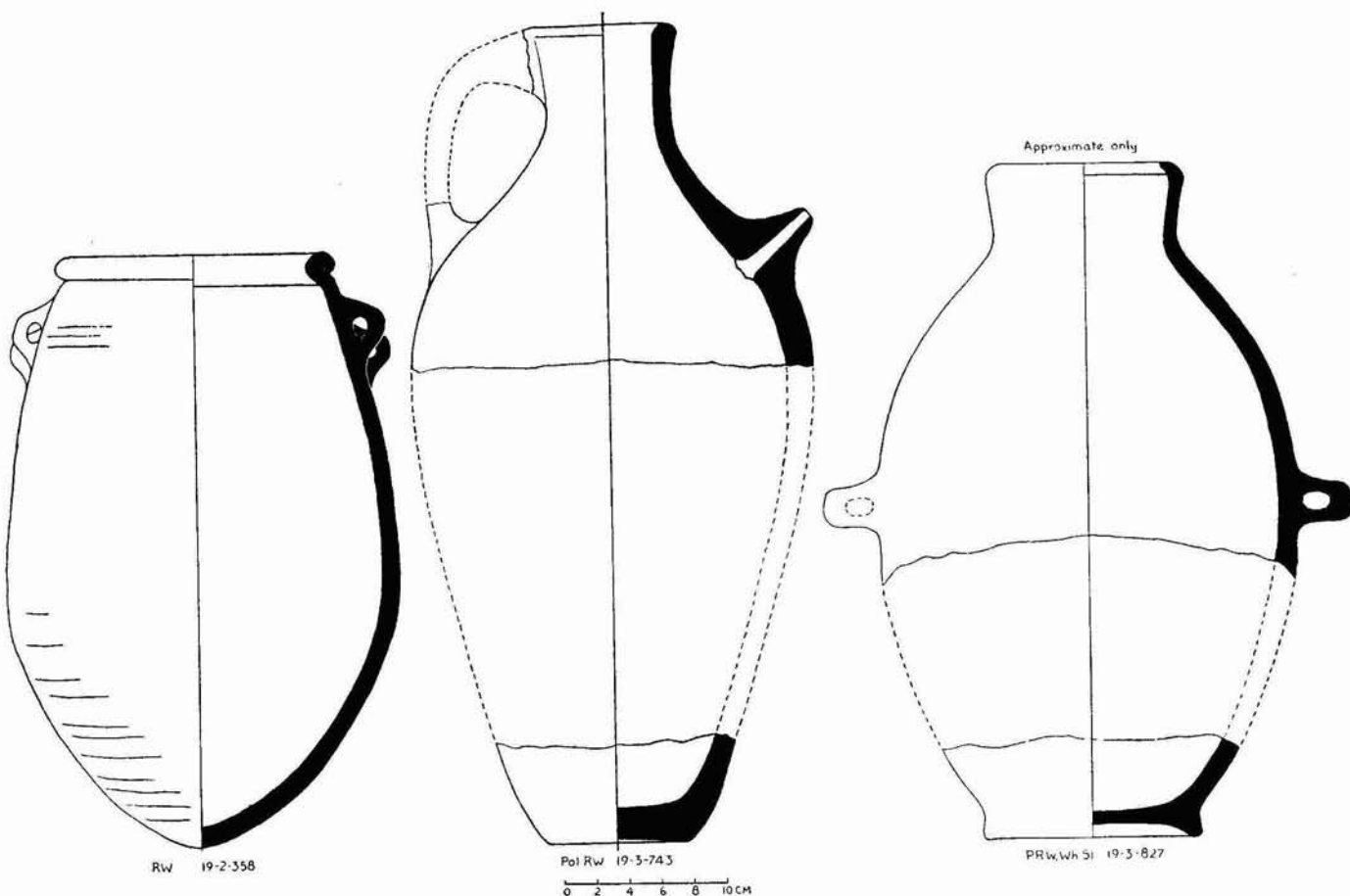


Figure 23b

19-3-1580 Decayed white limestone offering table. Illegible traces of bordering hieroglyphic inscr. Offerings in relief in center. Pl. XXXI.A.

1581 Many frags. of carved ivory as follows:

- a. Fine relief figures of Libyan and Negro captives and conquered towns, and of lion figures similar to 19-3-233, 234 (found in Ku. 15, q.v.). Pl. XXXIV.E.
- b. Fragments of processional scenes similar to 19-3-231e (found in Ku. 15, q.v.). Fig. 23e, Pl. XXXV.C.
- c. Misc. fragments, including Horus name and cartouche of Shebitku. Fig. 23f, Pl. XXXV.A, B.

19-4-141 Fai. shawabti figures as follows:

- a. Similar to Shabako a. Lappet wig sometimes parted, Bk. ptd. beard, no uraeus. Mummiform without hands or implements. Back of wig square at base. Inscr. with cartouche in Bk. ink down front. Half-molded, back hand-dressed. Fine hard white or drab paste, thin blue-green glaze. Total: at least 182 figures. Pl. XLV.A.

b. Foreman. Parted lappet wig, black beard, no uraeus. Standing with left foot advanced. Royal apron with pleated tab. Left hand hanging at side, right on breast holding cord (?). Wig squared at back, no basket (*sic!*). Material as a. Technique as a. but body and legs re-touched by hand. Total: at least 14 figures. Pl. XLV.B.

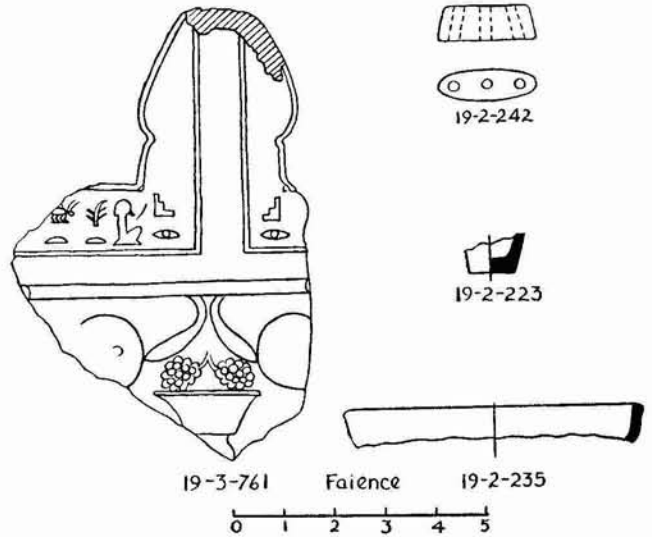


Figure 23d

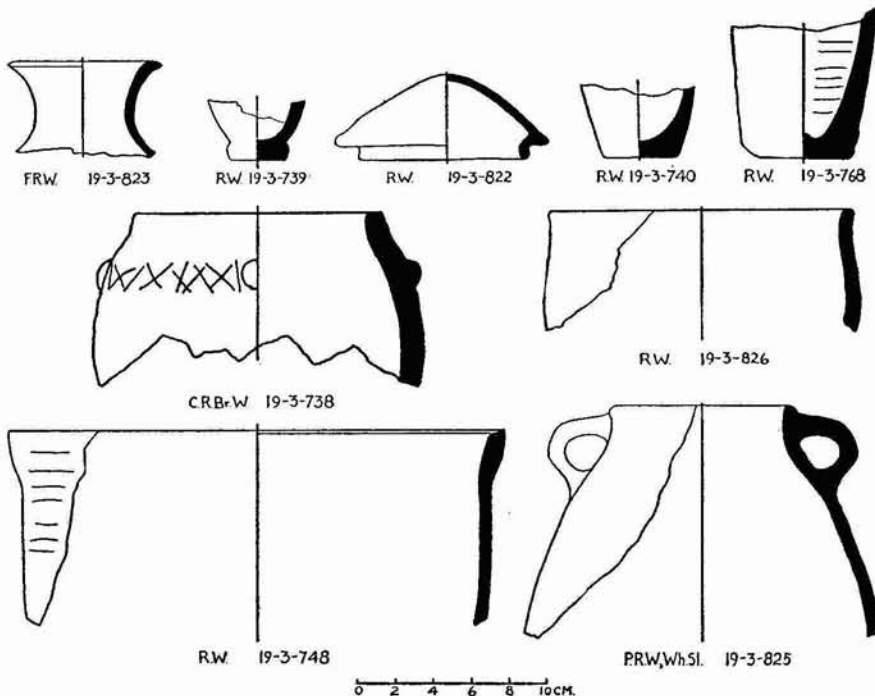


Figure 23c

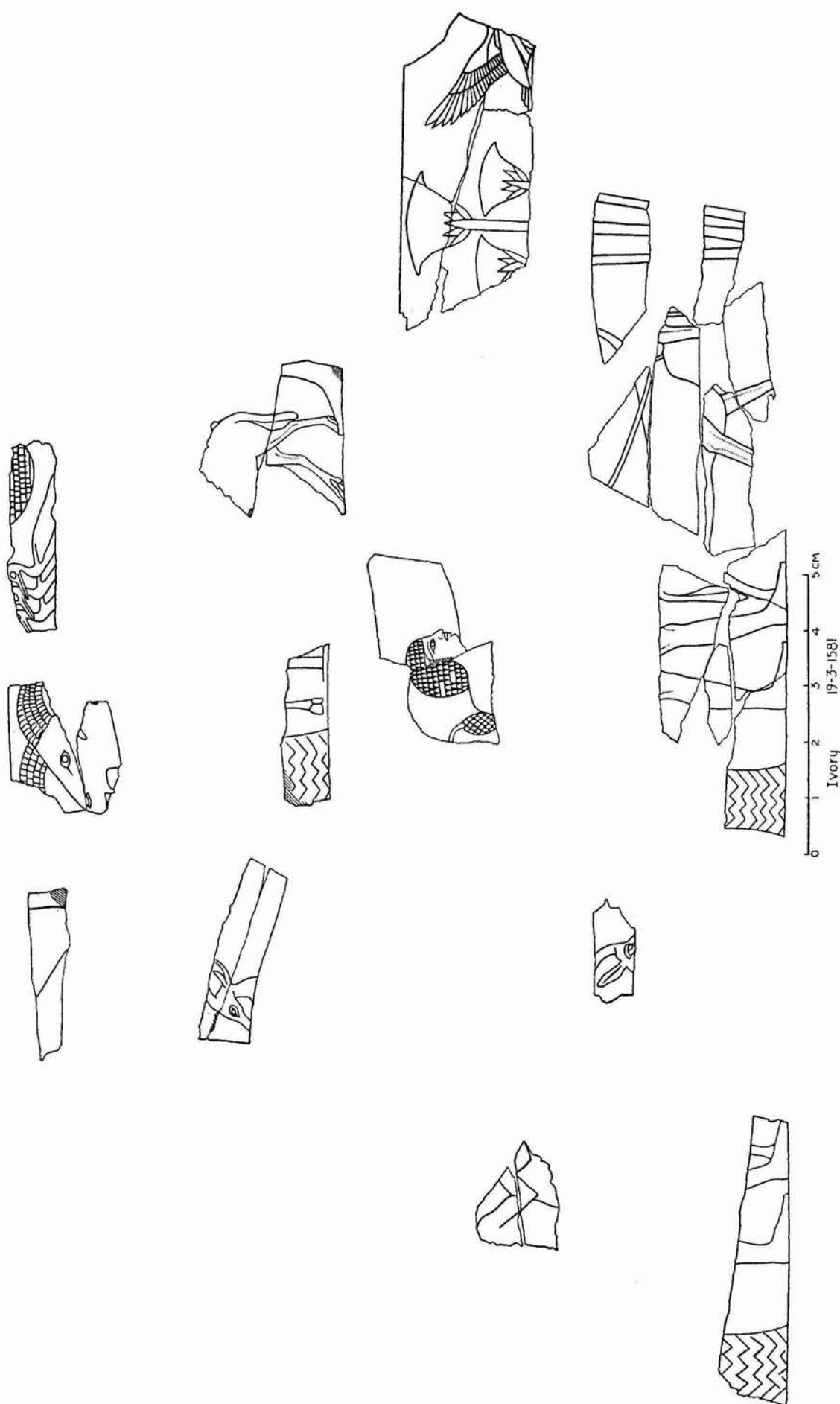


Figure 23c

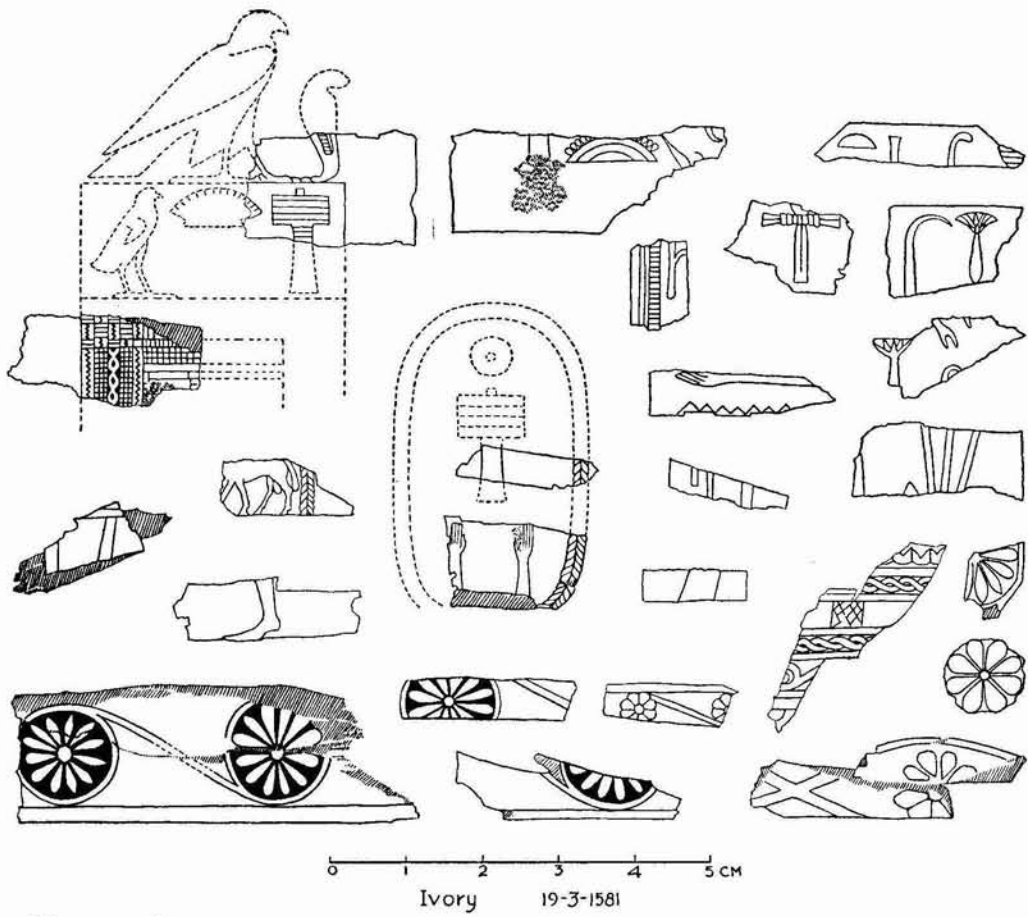


Figure 23f

Ku. 19. (B) Fig. 24a, Pl. xxiv.A. Name and sex not known.

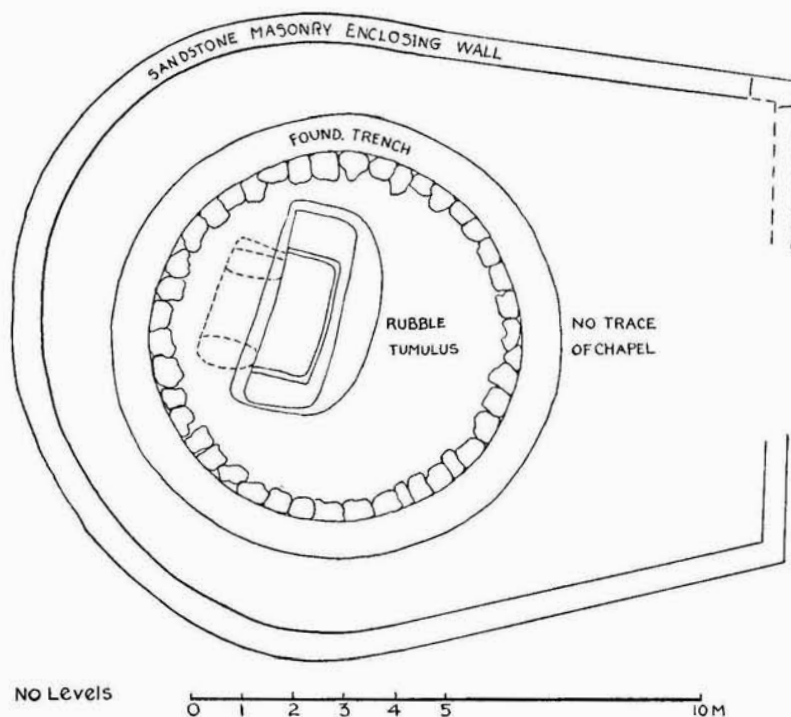


Figure 24a

SUPERSTR. Circular rubble tumulus, probably originally cased with masonry (found. trench only remains). Diam. of found. trench *ca.* 8.80 m.

ENCLOSURE Sandstone masonry; horseshoe shaped, in part preserved.

CHAPEL No trace.

F.D. None.

SUBSTR. Under superstr., pit oriented N-S. with side chamber on W. No blocking remains. Pit stepped back near surface on N., E., and S. as if to take roofing stones which presumably rested on blocking along W. side. Side chamber has trenches in floor for bed legs.

BURIAL Completely plundered out.

OBJECTS 19-3-788 to 802, 819 pit and chamber debris and siftings; 19-3-834, 836, 843 to 853 debris of superstr.; 19-3-860 to 888 debris of superstr. and enclosure.

19-3-789 Gold band bead with 5 rows of granulation. Fig. 24f.

793, 836 Fourteen flint arrowheads without tangs. Fig. 24f, Pl. LXXI.C, 1/6-10.

794 Frag. red jasper vessel lid. Fig. 24c.

802 Rim frags. from 2 dec. fai. bowls. Fig. 24f.

834 Sherd of HRW. with outline drawing of two wailing women in Bk. paint. Fig. 24d, Pl. XLII.B.

843, 844 Rim frags. of 2 DbW. vessels. Fig. 24c (both).

845 Frags. large hand-made pot. Ware not noted. Fig. 24c.

846 Frags. large HRW. amphora. Fig. 24c.

849, 850, 853, 882 to 884, 887, 888 Many frags. RPol. RW. vessels showing Wh. line figure Dec. These indicate several large amphorae similar in form and dec. to 19-3-907 (Tum. 6, Fig. 5b,c), and at least 4 heavy stemmed and footed bowls. The sherds which retain Dec. indicate scenes similar to those on 19-3-907. One of the stemmed bowls (19-3-887) shows

two seated women. Fig. 24b, Pl. XLII.A.
Cf. also the frag. 19-3-899 from Ku. 13
(Fig. 18c) which probably belongs to
this lot.

19-3-860 Frag. RW. bowl. Fig. 24b.

861 Frag. flat-based RW. vessel. Fig. 24c.

863 Frag. RW. hemispherical bowl. Fig. 24b.

864 Frag. HRW. jar with Y. Sl. Fig. 24c.

865 Frag. HRW. shallow pan. Fig. 24b.

867 Frag. PRW. jar, Wh. Sl. Fig. 24c.

19-3-868, 869 Rim frags. RW. bowls. Fig. 24b
(both).

871 Rim frag. thin RW. bowl. Fig. 24b.

876 Frags. RPol. RW. bowl with Inc. Dec.
below rim. Fig. 24b.

877 Rim frag. Pol. BkW. bowl. Fig. 24b.

884 Rim frag. Pol. RW. flaring bowl. Fig.
24b.

885 Frags. deep RW. two-handled basin,
Wh. Sl. Perhaps rope-marked? Fig. 24c.

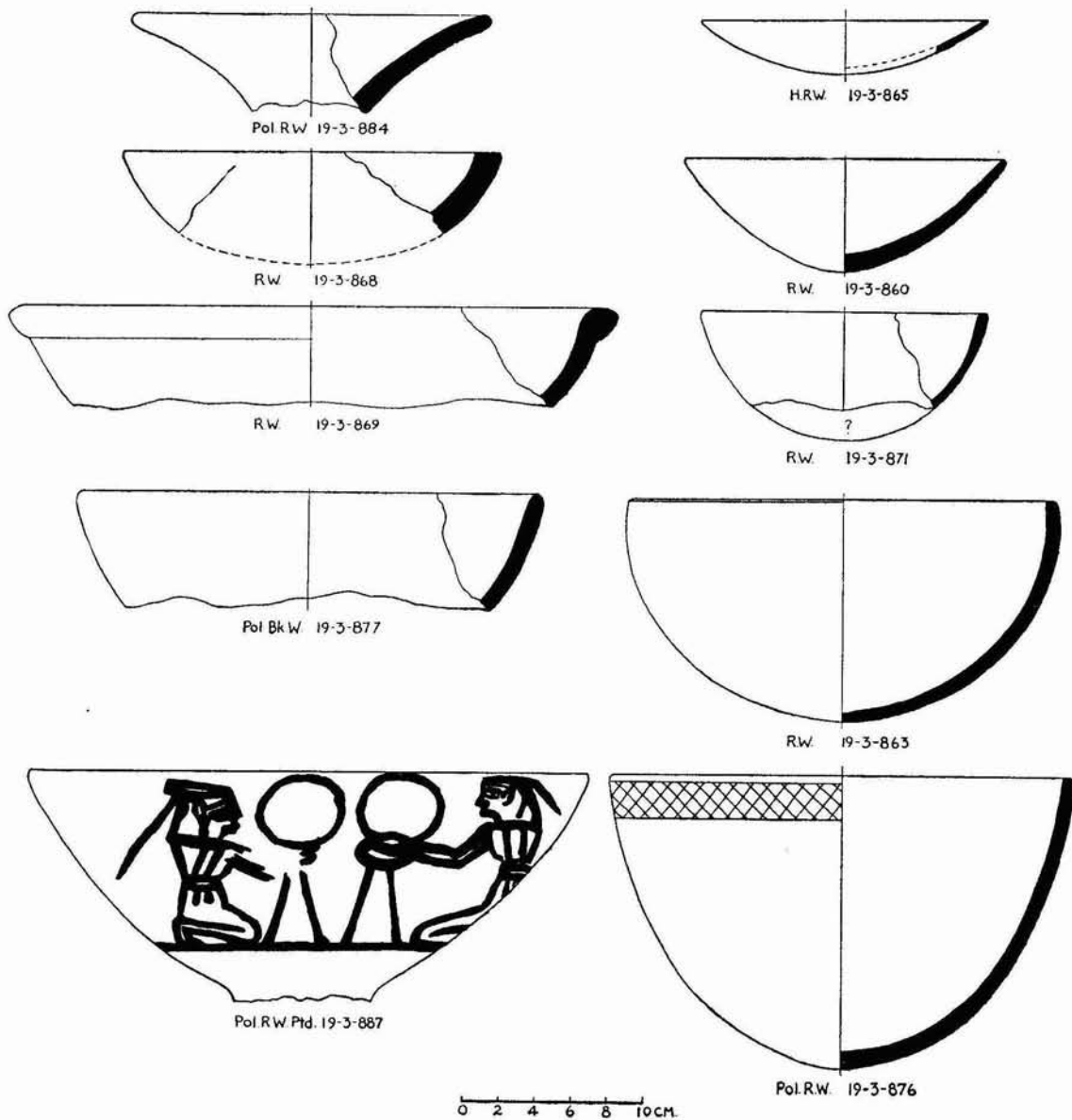


Figure 24b

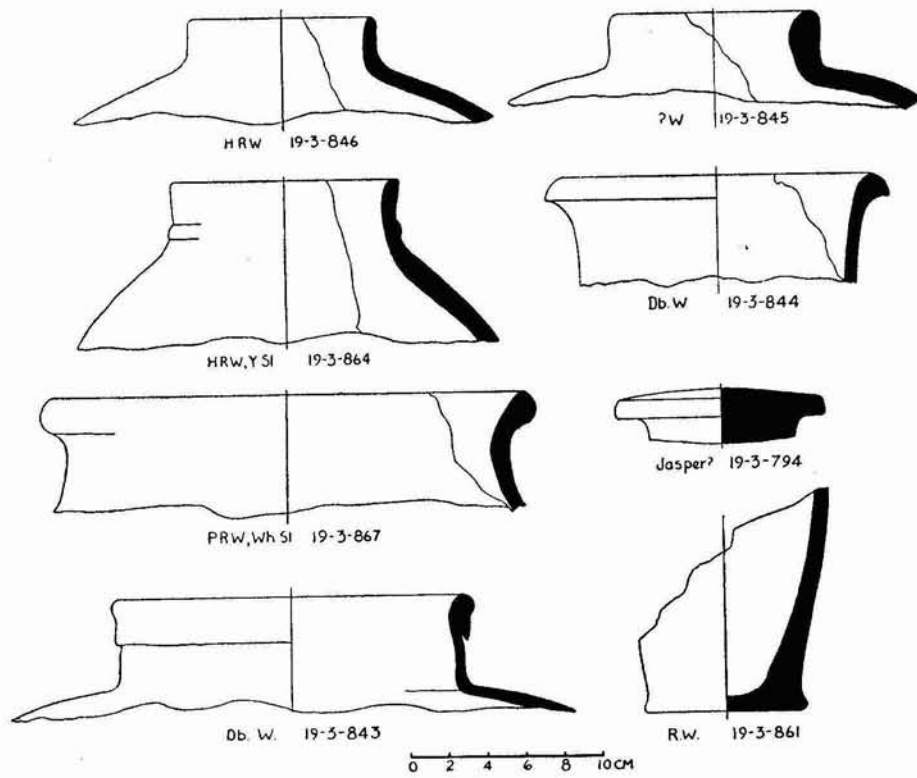


Figure 24c

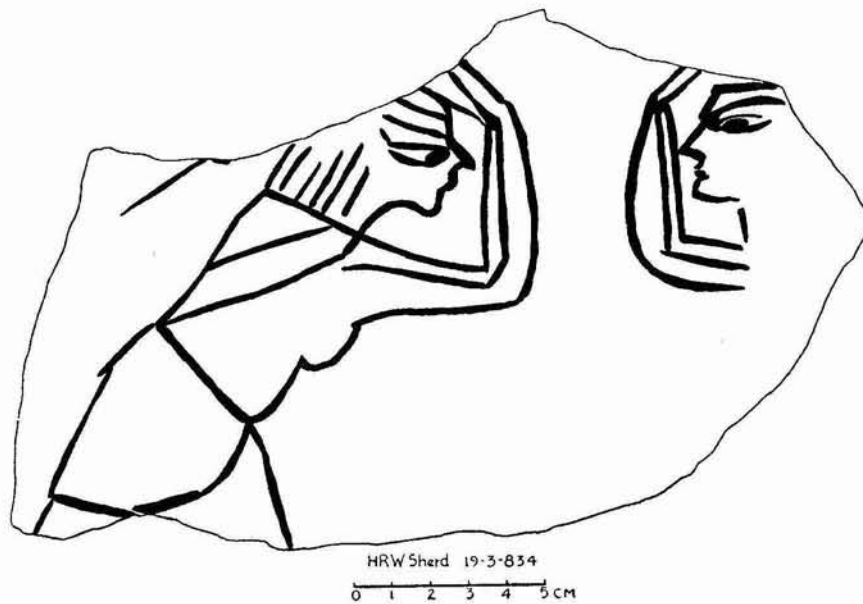


Figure 24d

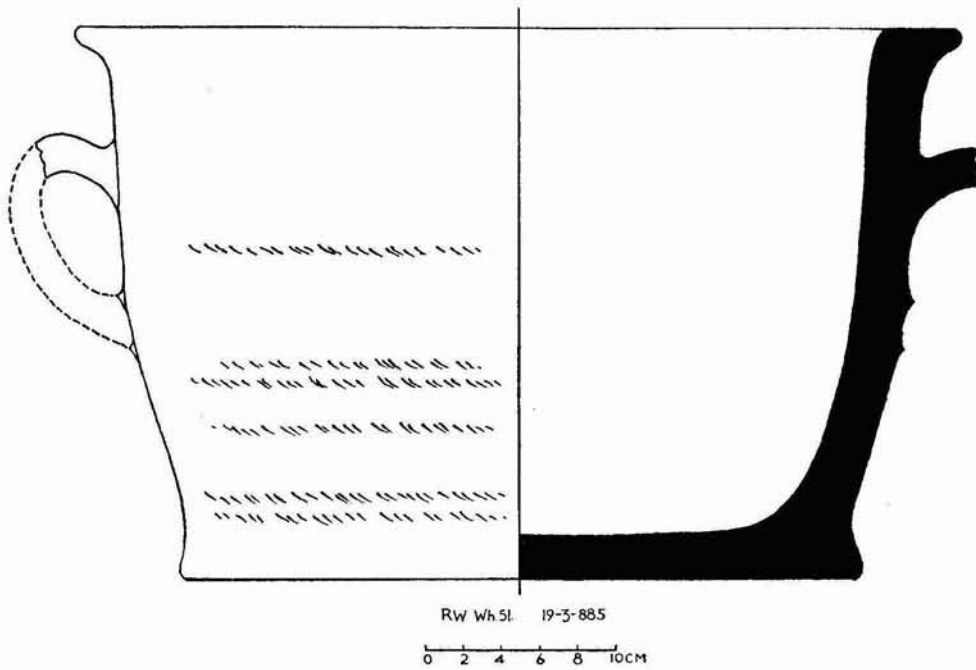


Figure 24e

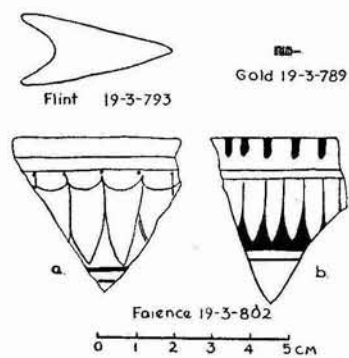


Figure 24f

Ku. 20. (2) Fig. 25, Cf. Pl. XII.A. Name and sex not known.

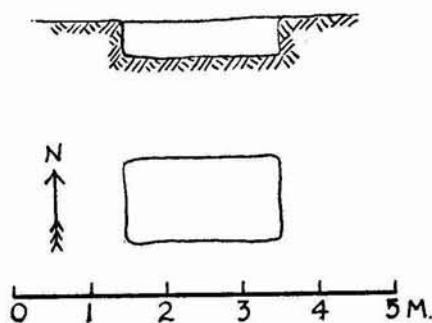


Figure 25

SUPERSTR. No trace.
ENCLOSURE No trace.
CHAPEL No trace.
F.D. None.

SUBSTR. Rectangular pit grave oriented E-W.,
2.00 × 1.10 m. Denuded.
BURIAL Completely plundered out.
OBJECTS None specifically assignable; 19-2-267
to 285 from NE. of Ku. 8(*q.v.*) may be
in part from this tomb.

Ku. 21. (E) Pl. XXIV.B. Name and sex not known.

SUPERSTR. No trace.
ENCLOSURE Masonry, rectangular, in part preserved.
Clearly older than Ku. 8, whose enclosure
is distorted to avoid it (see Map).
CHAPEL No trace.
F.D. None.

SUBSTR. Rectangular pit grave oriented N-S., *ca.*
3.00 × 2.00 m. Denuded to present
depth of *ca.* 0.75 m.
BURIAL Completely plundered out.
OBJECTS None.

Ku. 22. (2) Fig. 26a. A queen or princess. Name not known.

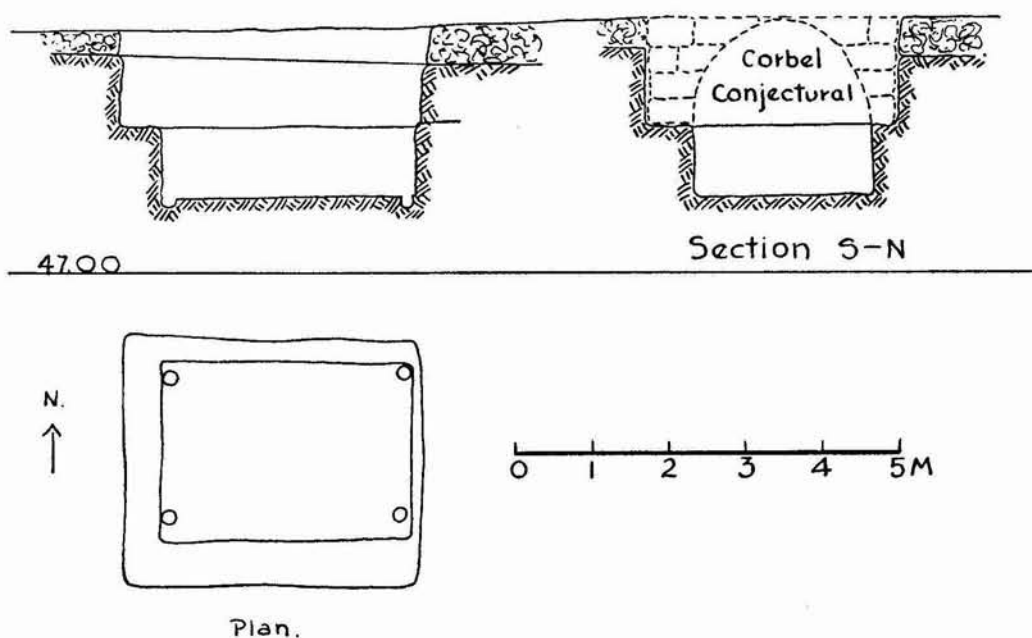


Figure 26a

SUPERSTR. No trace.

ENCLOSURE Masonry. Few stones only remain.

CHAPEL No trace.

F.D. None.

SUBSTR. Rectangular pit grave oriented E-W, 3.25×2.35 m., with offsets above for corbel roofing now destroyed. Small holes in each of the four corners (for canopy poles?)

BURIAL Completely plundered out.

OBJECTS 19-2-462 to 470 debris over pit; 19-3-628 to 662 T.D. in pit; 19-3-694 to 700 debris over and adjacent to pit.

19-3-628 Frags. small alab. vase. Pl. XXXVIII.B.

19-3-629 Frag. small alab. vase, probably with separate neck. Fig. 26b.

630 Small frags. from alab. jug, with part of inscription fitting the frags. 19-2-404 out of Ku. 3 (Fig. 10c). Fig. 26c, Pl. XXXVIII.B.

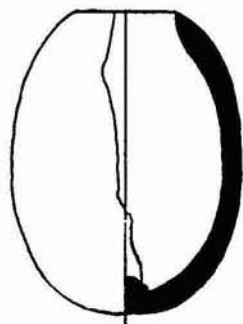
631 Frags. blue fai. statuette of a seated king or god; gray body. Pl. LXXI.A 2/1.

632 Part of a blue fai. Udjat eye, the center sunk for missing inlay. Pl. LXXI.A 2/3.

633 Frag. fai. winged scarab amulet like 19-3-988 (see Ku. 51, below). Pl. LXXI.A 2/2.

659 Frags. large blue fai. cynocephalous ape amulet. Pl. LXXI.A 1/1-2.

660 Large blue fai. Bes amulet; grayish-yellow body. Pl. LII.F.



Alabaster 19-3-629

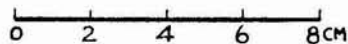


Figure 26b



Ku.3:19-2-404

Ku.22:19-3-630,

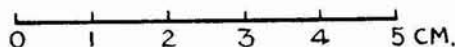


Figure 26c

Ku. 23. (E) See Map II and Pl. II.A. Name and sex not known.

SUPERSTR. Few traces masonry mastaba. *ca.* 8.50 m. sq.

ENCLOSURE No trace.

CHAPEL No trace.

F.D. None.

SUBSTR. Rectangular pit grave, oriented N-S.,

ca. 3.00 \times 2.00 m. No trace of side chamber.

BURIAL Completely plundered out.

OBJECTS 19-3-159 to 163 in intrusive debris: non-descript scraps of shawabti, and of fai., alab., and RW. vessels.

Ku. 51-55. A group of five tombs lying about 145 m. NE. of Ku. Tum. 6, across the North Wady. See Map II.

Ku. 51. (3) Fig. 27a, Pl. II.B. A queen of Pt'ANKHY (?), probably buried by SHABAKO. Name not found.

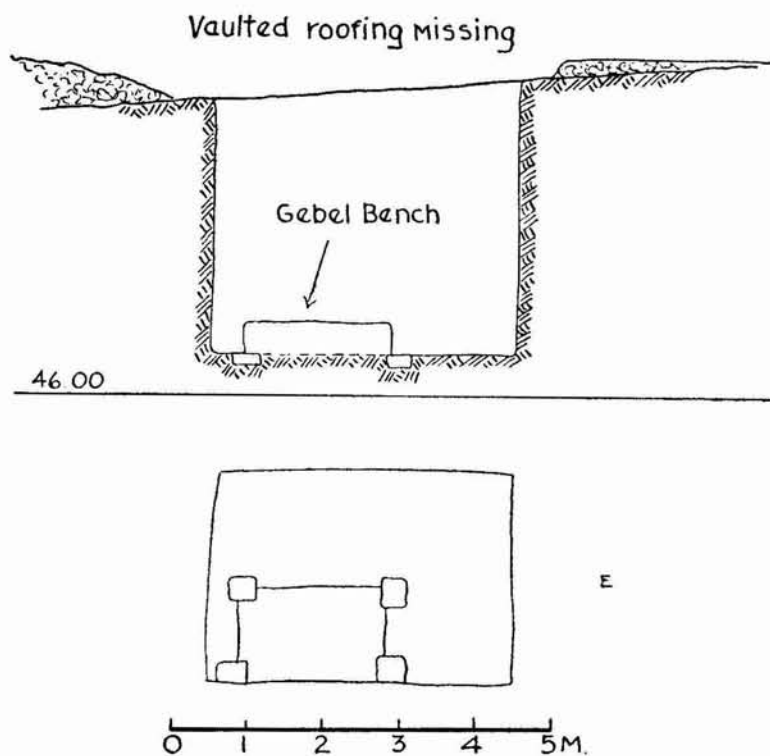


Figure 27a

- | | | | |
|-----------|---|-----------------|---|
| SUPERSTR. | No trace. | 19-3-973 to 978 | Scattered blue fai. beads; ring, disc, small ball, and cylinder types. |
| ENCLOSURE | No trace. | 979 | A few fai. cylinder beads sheathed in decayed silver. |
| CHAPEL | No trace. | 980 | Five lapis barrel beads. |
| F.D. | None. | 981 | Lapis Udjat eye without indication of details. |
| SUBSTR. | Rectangular pit oriented E-W., 4.00 × 2.75 m., depth ca. 3.70 m. Sandstone blocks from presumed corbel vaulted roof out of place in upper debris. Rock bench attached to S. wall near SW. corner, with cut-outs and square floor sinkages for bed legs. | 982 to 984 | Fai. rilled bead. Fai. two-lobed pendant. Brown and white stone pendant. Pl. LXX.C 1/3-5. |
| BURIAL | Completely plundered out. At least 10 plundered intrusive burials, probably of Meroitic date, in upper debris of pit. | 986, 987 | Mummy eye with lapis rims; white shell and obsidian eye. Pl. LXX.C 2/1. |
| OBJECTS | 19-3-968 to 972 pit floor; 19-3-973 to 1030 pit debris; 19-4-143 shawabti figures in debris. | 992 | Pale blue fai. pendant plaque. On front, under cornice, relief scene of 3 deities; on back, sunk figures of Bes and animals with hieroglyphs. Pl. LV.C,D. |
| | 19-3-968, 970 | 993 to 1009 | Seventeen blue fai. amulets and figures as illustrated: 3 rows, left to right, in numerical order. Pl. LV.A. 19-3-1000 also on Pl. LV.B. |
| | Two bronze bowls. Fig. 27c, Pl. XL.D. | 1011 | Blue fai. fluted double cone bead. Pl. LXX.C 2/2. |
| | 972 | | Alab. lentoid bottle; base separately made. Fig. 27c, Pl. XXXVIII.D 2/2. |

19-3-1012 Sheet gold amulet, perhaps Amset from a canopic set. Inc. details; suspension ring at back. Pl. LXX.C 1/2.

1014 Six small RW. bowls with pinched lip (Meroitic?). Pl. XLIII.B 1/3-4.

1015 Frag. fai. straight-sided vessel with Bk. line dec. below rim; hard sandy-gray body. Fig. 27b.

1018 Frag. globular Pol. RW. pot with Wh. line around shoulder (Meroitic?). Pl. XLIII.B 2/2.

19-3-1022, 1029 Frags. of 2 HRW. jars, Db. wash, ribbed surface. Type of 19-3-1459 (see Ku. 55, below, Pl. XLIII.A 2).

1028 Ribbed RW. jar with two handles, Db. Sl. Fig. 27b, Pl. XLIII.F 1.

19-4-143 Blue fai. shawabti figures of one type only: Female. Lappet wig without uraeus. Hands at sides, long tunic to feet. No inscr. Half-molded, backs not dressed. Brittle fine white body, good blue glaze. Total: at least 203 figures represented. Pl. XLVI.B.

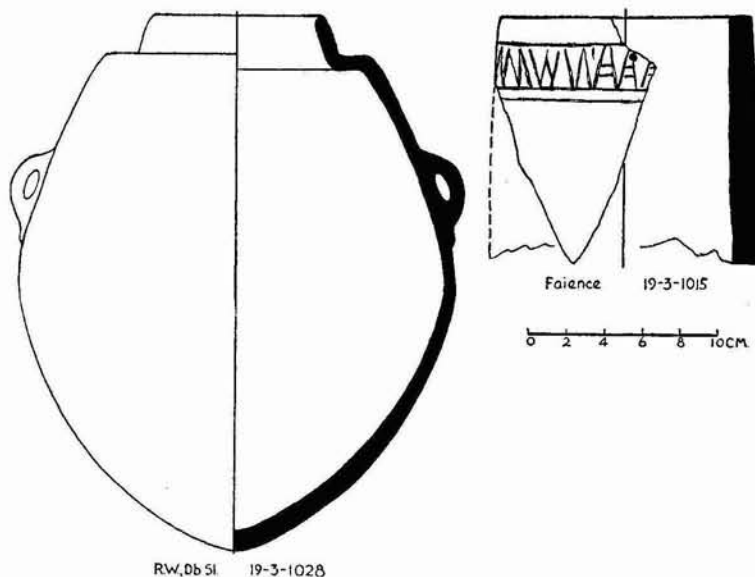


Figure 27b

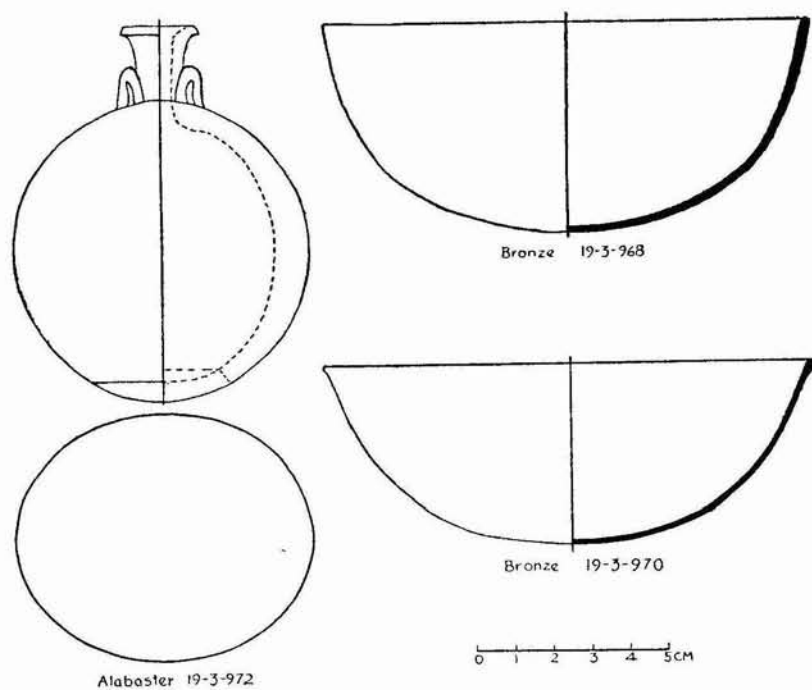


Figure 27c

Ku. 52. (3) Fig. 28a, on Pl. II.B. Queen Nefrukekashta, a wife of Pt'ANKHY, probably buried by SHABAKO.

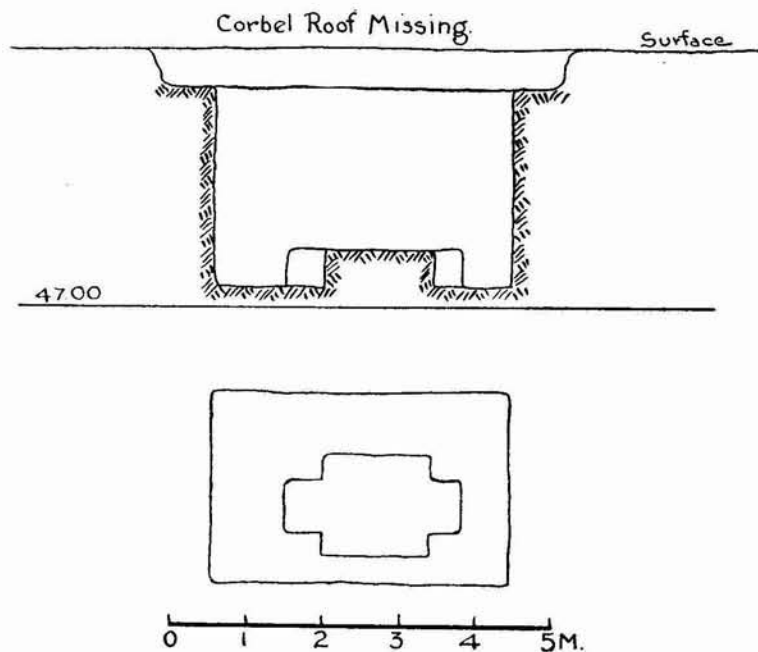


Figure 28a

SUPERSTR., ENCLOSURE, CHAPEL: No trace.

F.D. None.

SUBSTR. Rectangular pit oriented E-W., 3.90×2.55 m., depth 3.13 m. Masonry corbel vault destroyed (blocks in upper debris of pit). Free-standing rock bench S. of axis, with cut-outs for bed legs but no floor sinkages.

BURIAL Plundered; remains of leg bones on E. part of bench (Pl. xxv.B). Traces of wood and plaster on bench, the latter bearing print of hieroglyphs, suggest a coffin. Probable remains of a bead net noted in Diary.

OBJECTS (For objects in situ and numbered #1 to #46 see Pl. xxv.A,B) 19-3-1031 to 1070 on floor and bench; 19-3-1071 to 1138, 1141 to 1157 debris of grave; 19-3-1158 on floor, 19-3-1159 debris; 19-3-1160, 1161 on floor; 19-3-1162 debris; 19-3-1582 to 1595 siftings from grave; 19-4-144 shawabti figures in debris. N.B. The numbers 19-3-1085 and 1102 were not used.

19-3-1031 Bronze vessel stand. #1. Fig. 28d.

1032 Alab. vase with ring handles. #2. Fig. 28b.

1033 Alab. vase with loop handles. Fig. 28b, Pl. xxxviii.F 1.

1034 Blue fai. ram-headed figure; reverse, winged lion-headed figure in relief. #4. Pl. LIV.A-B 2/4.

1035 Pair of bronze sandals. #5. Pl. LVIII.A.

1036, 1037 Two bronze adze blades. #6, 7. Pl. LVIII.A, LXXI.D.

1038 Silver statuette: goddess wearing double crown. Suspension ring at back. #8. Pl. LX.A,B.

1039 Blue fai. winged lion-headed goddess, plain back. #9. Pl. LIII.A,B 1/1.

1040 Frags. of 7 or more ivory rectangles, some with remains of inc. figures, including a frog. Possibly once forming a set similar to 19-3-1553 (see Ku. 72, below). #10, 14-16, 18, 19, 44. Fig. 28f, Pl. xxxv.D.

- 19-3-1041 White stone amulet: standing figure with disc and feather crown. #11. Pl. LXX.B 3/3.
- 1042 Silver base or stand with remains of colored glass inlay. #12. Pl. LXX.B 3/1.
- 1043 Incomplete silver amulet: Sekhmet? #13. Pl. LXX.B 3/2.
- 1044 String of shell disc beads. #17.
- 1045 String of 13 blue fai. Udjat eyes. #20. Pl. LXX.B 1/top.
- 1046 Lapis amulet: seated Isis and child. #21. Pl. LXX.B 3/4.
- 1047 Lapis amulet: seated boy. #22. Pl. LXX.B 3/5.
- 1048, 1051 Two agate sets. #23, 26. Pl. LXX.B 3/8-9.
- 1049, 1050 An agate and a green stone plaque, both inscr., the latter with Udjat eye in relief on reverse. #24, 25. Fig. 28e (both), Pl. LXX.B 3/7,6.
- 1053 Fai. (?) twin scarabs: two 'nh signs. #28. Pl. LXX.B 2/1.
- 1054 DbW. jug. #29. Fig. 28c, Pl. XLIII.B 2/4.
- 1055 Alab. vase, pierced ring handles. #30. Fig. 28b, Pl. XXXVIII.C 4.
- 1056 Fai. winged scarab plaque, strung with fai. disc and barrel beads. #31. Pl. LIII.A,B 4/4.
- 1057 Fai. plaque. #32. Pl. LIII.A,B 1/4.
- 1058, 1064, 1101 Three blue fai. winged scarab plaques. #33, 40. Pl. LIII.A,B 4/5-7.
- 1059, 1061 Two blue fai. elaborately dec. Udjat eyes. #34, 36. Pl. LIII.A,B 3/1-2.
- 1060, 1066, 1103 to 1109 Nine blue fai. figures of Pataikos, scarab on head. #35, 42. Pl. LIV.A,B 1/1-9.
- 1063, 1113 Two blue fai. figures of Pataikos, winged lion-headed goddess on reverse. #39. Pl. LIV.A,B 2/6-7.
- 1065 Blue fai. standing deity with two hawk heads crowned with discs. #41. Pl. LIV.A,B 2/1.
- 1067, 1069, 1100 Three blue fai. Hathor head plaques, various scratched symbols on reverse. #43, 46. Pl. LIII.A,B 4/1-3.
- 19-3-1072 White shell inlay from mummy eye. Pl. LXX.B 2/8.
- 1074 Small colorless fai. scarab. Pl. LXX.B 2/2.
- 1079, 1130, 1136, 1159 Four blue fai. miniature canopic jar lids and frags. of three of the jars. Pl. XXXVII.G.
- 1080 White stone hawk, head missing. Pl. LXX.B 3/10.
- 1081 Frags. of a brown translucent veined stone vase; separate neck. Fig. 28b, Pl. XXXVIII.D 2/3.
- 1083 Alab. vase with two ring handles. Fig. 28b, Pl. XXXVIII.D 2/1.
- 1086, 1087, 1094 to 1096 Five blue fai. figures of lion-headed winged goddesses crowned with disc; inc. designs on back of first two. Pl. LIII.A,B 1/2-3, 2/1-3.
- 1088 to 1091 Four blue fai. figures of Sekhmet. Pl. LIII.A,B 1/5-8.
- 1092 Blue fai. seated Isis with child. Pl. LIII.A,B 1/9.
- 1093 Blue fai. ram-headed god. Pl. LIII.A,B 1/10.
- 1097 Blue fai. plaque: five standing deities; on reverse inc. giraffe and tree. Pl. LIII.A,B 2/4.
- 1098, 1099 A fai. and a lapis Udjat eye. Pl. LIII.A,B 2/5-6.
- 1110 Blue fai. standing deity with double ram's head and a single disc. Pl. LIV.A,B 2/2.
- 1111 Blue fai. Bes head, two inc. figures on reverse. Pl. LIV.A,B 2/3.
- 1112 Blue fai. ram-headed Pataikos between two columns; seated Sekhmet in relief on reverse. Pl. LIV.A,B 2/5.
- 1114 to 1118 Five blue fai. steatopygous winged female deities. Pl. LIV.A,B 3/1-5.
- 1119, 1120 Two blue fai. seated hawk-headed figures. Pl. LIV.A,B 3/6-7.
- 1127 Bronze implement. Pl. LXXI.D 2/2.
- 1128, 1150 Bronze eye frames. Pl. LXXI.D 1/1, 2.
- 1137 Rim frag. of a slate bowl which fits 19-3-1432 (out of Ku. 55 below, q.v.).
- 1143 Obsidian eye pupil.
- 1145 Gilded silver amulet: Isis suckling a king, in relief. Suspension ring behind. Height 5.5 cm. Pl. LX.C, LXX.B 4/1.

- 19-3-1146 Gilded silver relief figure: standing female with double crown. Pl. LXX.B. 4/2.
- 1148 Thin DbW. bowl Dec. with Bk. Ptd. scale pattern (Meroitic). Fig. 28c, Pl. XLIII.B 1/1.
- 1158 Large RW. jar. #3. Fig. 28c, Pl. xxv.A 3.
- 1160 Large RW. ribbed jar, Db. Sl. Fig. 28c, Pl. XLIII.A 1.
- 1162 Frags. of 2 large drum-shaped RW. bottles like 19-3-1558B (from Ku. 72, below, Pl. XLII.E 1).

19-3-1582 to 1595 Beads and miscellaneous from debris, as shown on Pl. LXVI.B.

19-4-144 Blue fai. shawabti figures; one type only. Lappet wig and uraeus (beard, included in mold, has been cut off). Mummiform without hands or implements. Ink inscr. down front reading "Osiris Nefrukekashta (without cartouche)". Half molded, flat back. Hard fine white body with grayish center, blue or green glaze. Exactly like Pi'ankhy figures but a little smaller. Total: not less than 286 figures. Pl. XLVI.C and F.

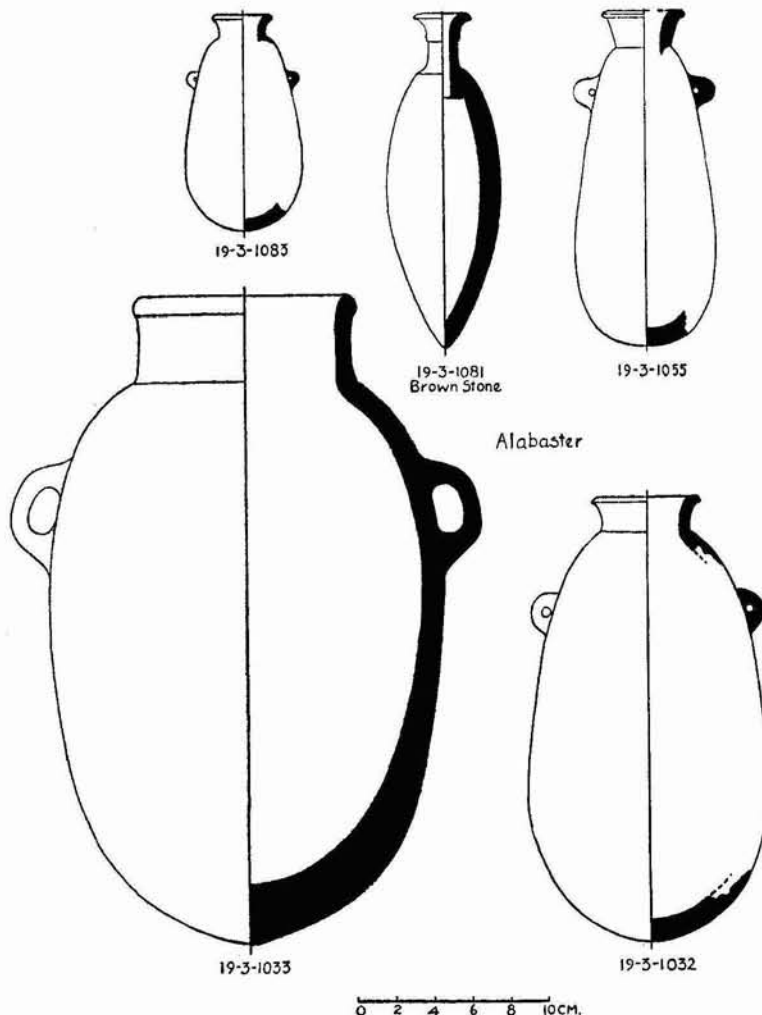


Figure 28b

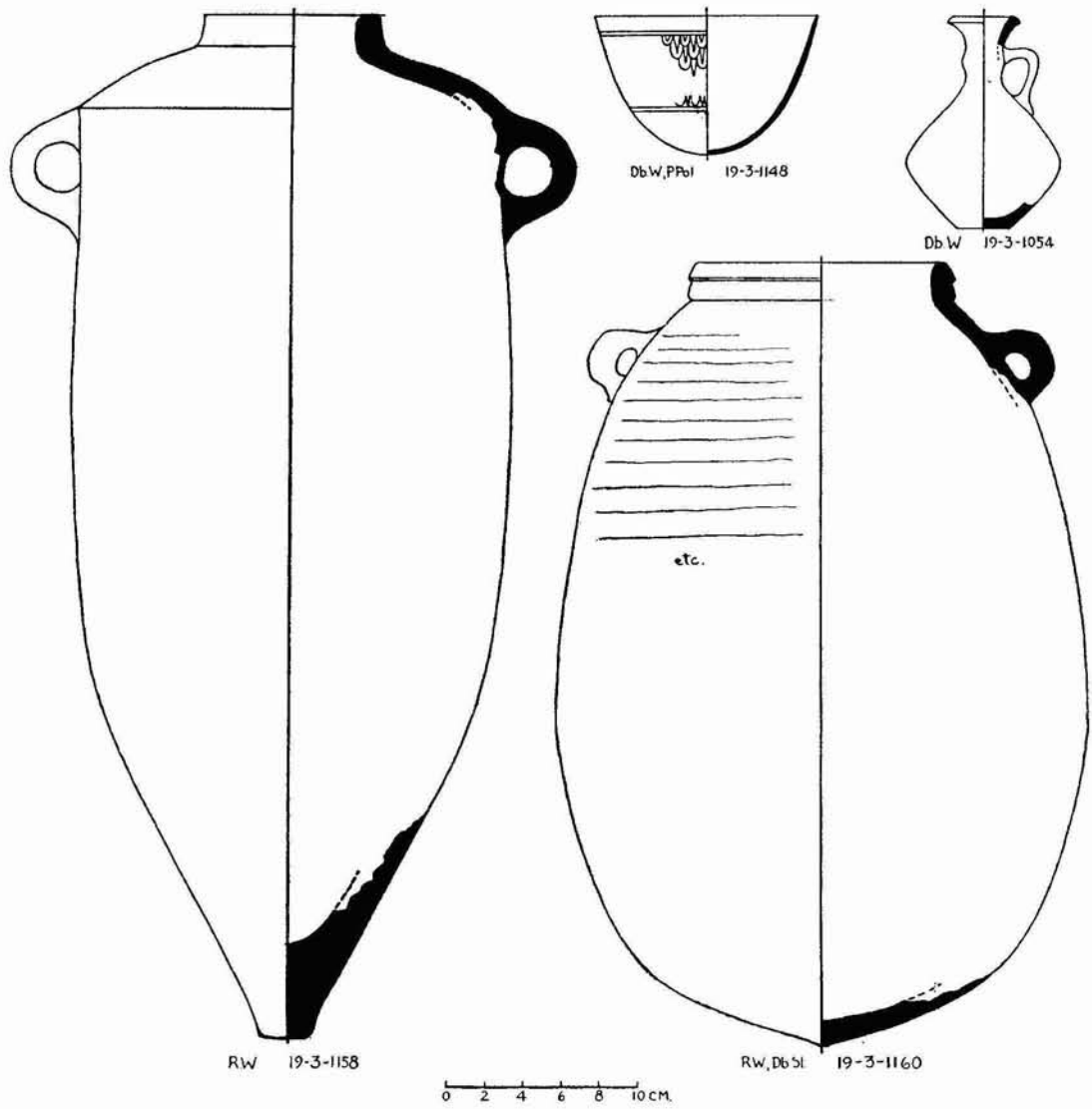


Figure 28c

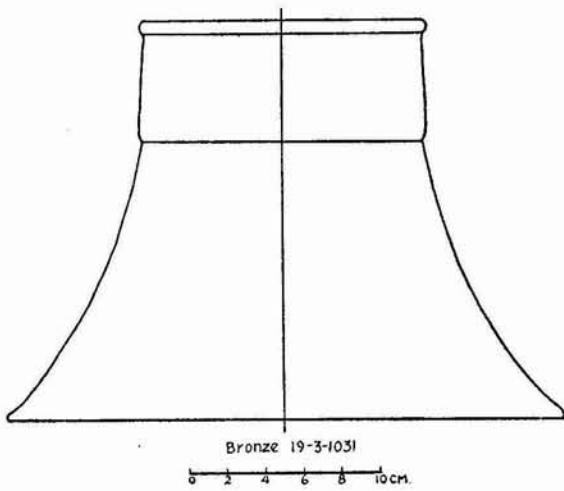


Figure 28d

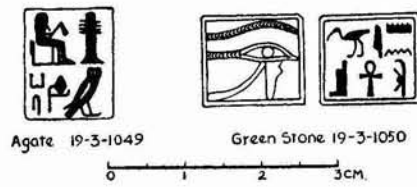


Figure 28e

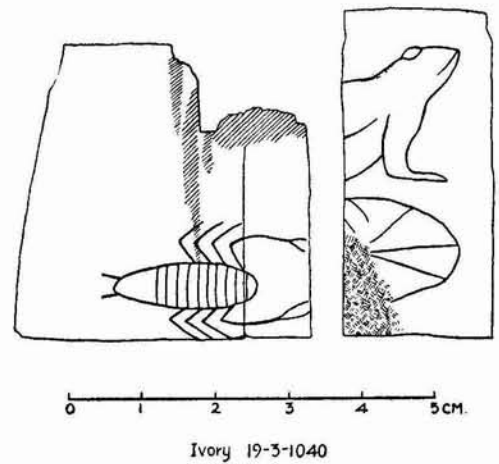


Figure 28f

Ku. 53. (2) Fig. 29a, Pl. II.B. Queen Tabiry, wife of Pt'ANKHY, daughter of ALARA.

Roofing Vault Missing.

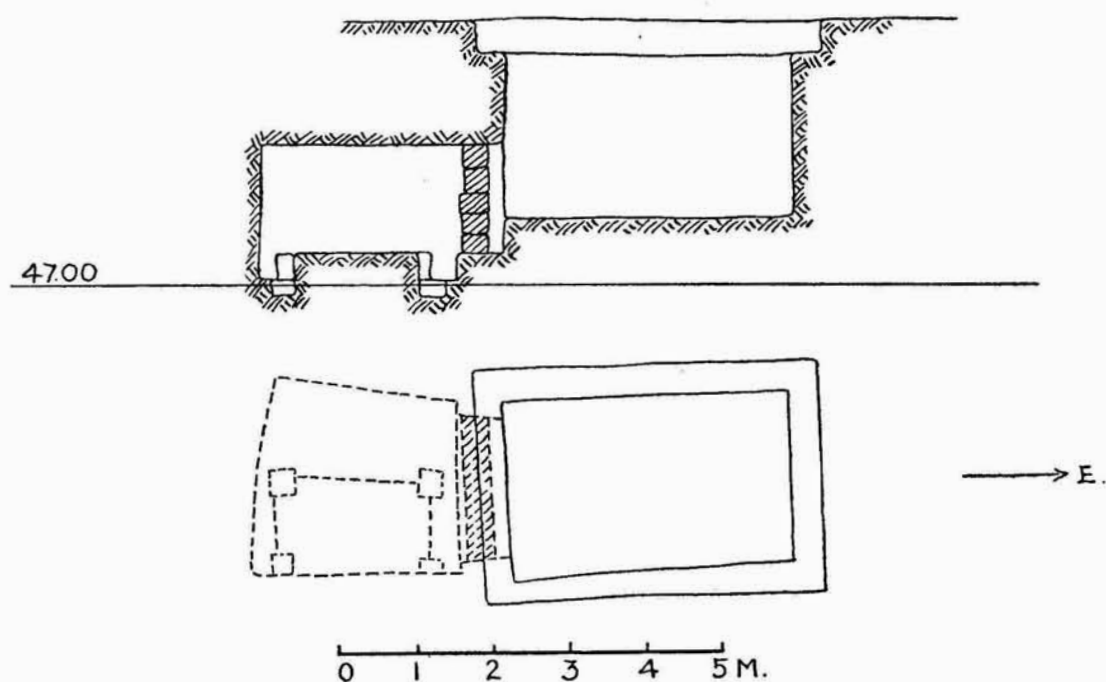


Figure 29a

SUPERSTR., ENCLOSURE, CHAPEL: No trace.

F.D. None.

SUBSTR. Rectangular pit A oriented E-W., 3.70 × 2.30 m., depth 2.65 m., originally roofed with masonry corbel (blocks in debris and shelf all around top of pit). Step down at W. end to square-topped doorway with sandstone masonry blocking in part preserved. Burial chamber B rectangular and flaring to W., 2.60 × ca. 2.40 m., height 1.75 m., rock-cut with flat roof. Rock bench attached to S. wall with cut-outs for bed legs which stood in square floor sinkages.

BURIAL Plundered; no trace of body.

OBJECTS For objects in situ on floor in B and numbered #1 to #21 see Pl. xxv.c-d. 19-3-1163 to 1316 T.D. in Pit A; 19-3-1335 to 1353 debris in Chamber B; 19-3-1354 in SE. bed leg hole, numbered; 19-3-1355, 1356 debris in B; 19-3-1357 to 1359 floor in B, numbered; 19-3-1360 debris in B; 19-3-1361 to 1366 floor in B, numbered; 19-3-1367 debris in B; 19-3-

1368 to 1371 floor in B, numbered; 19-3-1372 to 1382, 1448 to 1450, 1558 debris in B; 19-4-145 shawabti figures in debris. One unregistered object.

19-3-1163, 1164 Blue, yellow and red fai. cylinder beads. Pl. LXV.B 3/4, 4/7.

1165, 1355 Fifty-four blue fai. ball beads ptd. with Bk. circles and dots. Pl. LXV.A 8.

1166, 1356 Eleven blue fai. ball beads ptd. with Bk. Udjat eyes and 'nb signs. Pl. LXV.A 1.

1167 Two blue fai. flower pendants. Pl. LXV.A 6/4-5.

1169, 1170 Two sizes of blue fai. disc beads. Pl. LXV.B 3/2-3.

1172, 1352 Fai. cylinder beads encased in silver (once gilded?) sheaths. Pl. LXV.B 3/1.

1176, 1340 Three blue fai. column amulets. Pl. LIA.B 3/11-13.

1177, 1346 Fourteen blue fai. fluted ball beads; 12 red, 2 blue. Pl. LXV.A row 2.

1184, 1201 Parts of mummy eye; shell and obsidian. Pl. LXV.B 1/4.

1187 Green fai. striding ram-headed god, back inscr. Pl. LIA.B 3/4.

19-3-1188, 1189, 1344 Udjat eyes; 4 fai., 1 stone. Pl.

L.I.A,B 3/5-9.

1191 Silver amulet; cow or bull. Pl. L.I.A,B 3/2.

1192 Blue fai. vulture, head missing. Pl. LXV.B 1/3.

1194, 1448 Set of 4 hollow bronze canopic figures. Pl. L.I.A,B 2/1-4.

1195 Bronze Benu bird. Pl. L.I.A,B 3/3.

(The two preceding items may form a group: Pl. LII.C.)

1198 Five stone weights, flat-based, irregular:

a. 4.5 grams, or 1/3 of the Semna gold unit.

b. 8.7 grams.

c. 18.5 grams.

d. 44.5 grams.

e. 410 grams. Pl. LXV.B 4/1-5.

1200, 1341 Three large blue fai. barrel beads. Pl. LXV.A 6/1-3.

1203 Hollow gilded silver seated goddess, plaster filled. Pl. L.I.A,B 3/1.

1204 Slate bowl with two ledge handles and a ring base. Fig. 29c, Pl. XXXVIII.G 2.

1205 Four blue fai. lentoid bottles. Made in 2 halves; neck and handles set in. Fig. 29d, Pl. XLII.C.

1206 RW. vessel lid. Fig. 29b.

1208 RW. beaker, R. wash, dec. with 3 R. and 3 Wh. bands. Fig. 29b, Pl. XLIII.B 2/3.

1209, 1210 Frags. of 2 RW. bowls, Bk. Pol. rims. Fig. 29b.

1211, 1370 Two RW. ring stands (1370 is #12). Fig. 29b (both), #12 is Pl. XLII.D 1.

1214, 1339 Four oblong alab. blocks (weights?). Pl. L.I.A,B 2/5-8.

1215 Frags. of 4 RW. bowls, R. washed rims. Fig. 29b.

1223, 1359 Frags. of conical alab. vase with separately made shoulder and neck; and upper section of a similar vessel, the latter #3. Fig. 29c (both), Pl. XXXIX.A 2-3.

1224, 1358 Two ribbed RW. pots, irregular; the latter #17. Fig. 29b (1224), Pl. XLII.F 3, 2.

1225 Frags. alab. bowl. Fig. 29c.

19-3-1226 Frags. blue fai. pot. Fig. 29d.

1227 to 1269 Fai. amulets from debris in A: illustrated in numerical order in 4 rows, left to right. Pl. XLIX.A,B.

1270 to 1301 Fai. amulets from debris in A: illustrated in 3 rows as marked. Pl. L.A, B.

1302 Blue marble seated cat, ears pierced, left ear missing. H. 4.4 cm. Pl. LIX.A.

1308 Stone and silver pendant in form of a situla with bail handle; hole through body. Fig. 29e.

1335 Red jasper buckle amulet. Pl. L.I.A,B 3/15.

1337 Green agate cat; suspension ring. Pl. L.I.A, b 3/14.

1338 Brown stone hawk with double crown. Pl. L.I.A,B 4/10.

1342 Blue fai. heart amulet. Pl. L.I.A,B 3/10.

1343 Blue fai. stud with elaborate relief dec. Pl. L.I.A,B 4/1.

1350 Forty-four brown fai. ball beads. Pl. LXV.A row 3.

1354 Many fai. egg-shaped objects, unpierced. Pl. LXV.B 4/6.

1357 Two thick walled RW. cups; R. wash on rim. #10, 11. Fig. 29b, Pl. XLII.D 3, 4.

1362 RPol. RW. cup with inner shelf to rim. #5. Fig. 29b, Pl. XLII.D 2.

1363 Conical alab. jar with two handles; upper part separately made. #7, 8. Fig. 29c, Pl. XXXIX.A 1.

1364 Frag. of a slate vessel; trefoil design with three bowls. #1. Fig. 29c, Pl. XXXVIII.G 1.

1365 Heavy alab. jar with two ring handles. #6. Fig. 29c, Pl. XXXVIII.F 2.

1366 Roughly oval battered granite stela. Scene at top inc. showing Queen Tabiry adoring seated Osiris attended by Isis. 9 lines of inc. hieroglyphic inscr. giving offering formula, name, titles and ancestry of Tabiry. #4. Fig. 29f, Pl. XXX.A.

1367 Globular RW. pot, R. wash. Fig. 29b, Pl. XLIII.B 2/1.

1368 Bronze adze blade. #14. Pl. LXXI.D 2/3.

1375 Blue fai. Hathor head; ring at top. Pl. L.I.A,B 4/7.

19-3-1376 Blue fai. naos with scarab on top and relief figures on sides and back, containing a standing hawk-headed figure. Pl. LIA,B 4/6.

1377 Blue fai. Pataikos, scarab on head; relief ape on back. Pl. LIA,B 4/5.

1378, 1379 Two blue fai. figures of Pataikos with feather headdress. Pl. LIA,B 4/3, 2.

1380 Green fai. ram-headed figure with 4 wings. Pl. LIA,B 4/4.

1381, 1382 Two blue fai. groups of Isis with child. Pl. LIA,B 4/8-9.

1558 Two ivory pins and frags. of 3 more. Pl. XXXV.E.

19-4-145 Fai. shawabti figures as follows:

a. Standing female figure with lappet wig and arms at sides. No inscr. Blade dressed

back, some retouched. From same mold as figures from Ku. 51, but thicker. Fine white body, good blue glaze. Total: at least 237 figures. Pl. XLVIA.

b. Lappet wig, no uraeus or beard. Hands opposite on breast, no implements. No. inscr. Technique and material as a. 1 figure only. Pl. XLVIA 2/1.

c. Foreman. Standing with left foot advanced. Lappet wig and beard, no uraeus. Left arm at side, right on breast holding whip over right shoulder. Pleated kilt. Technique and material as a. One figure only. Pl. XLVIA 1/1.

Not registered. Rose quartz miniature vase. Height 3.5 cm. Not located in records, but perhaps from Ku. 53. Pl. LIX.C'.

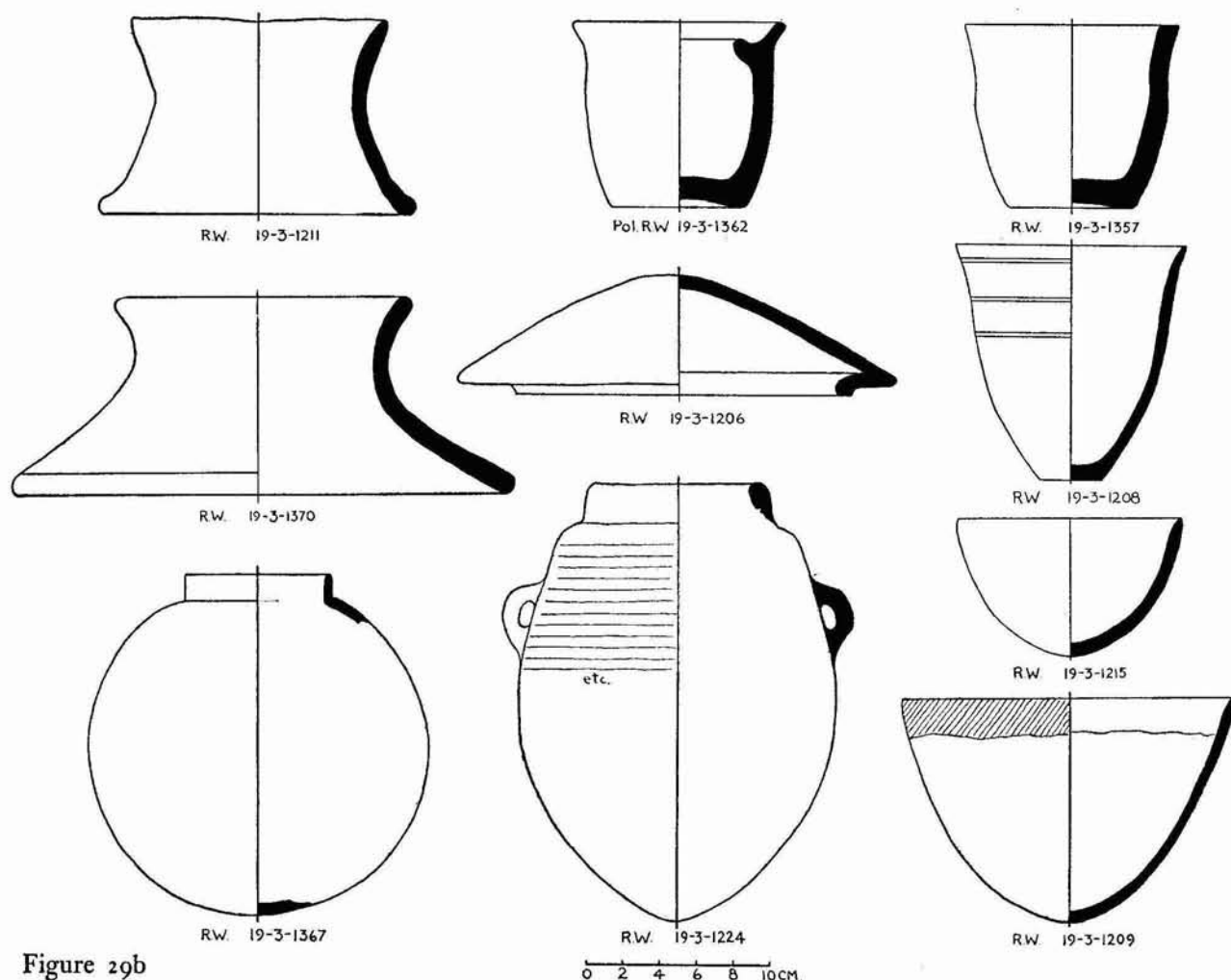


Figure 29b

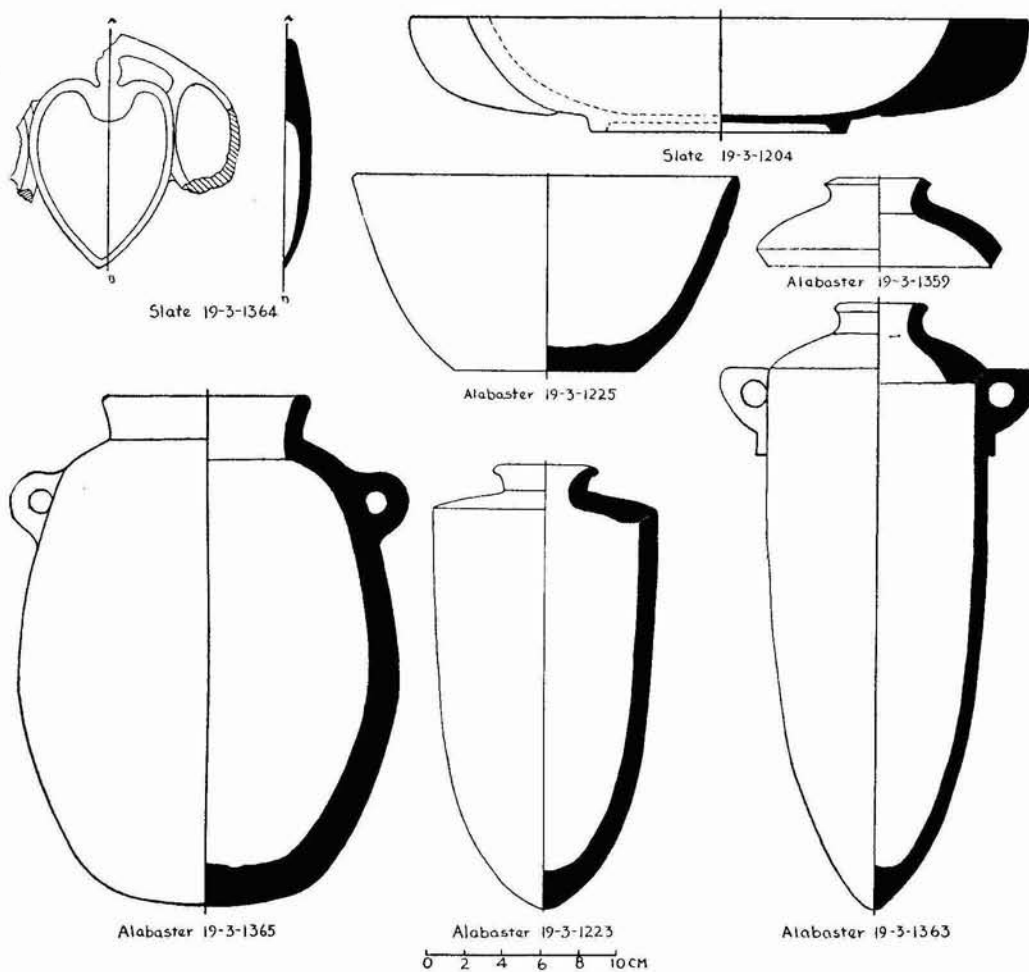


Figure 29c

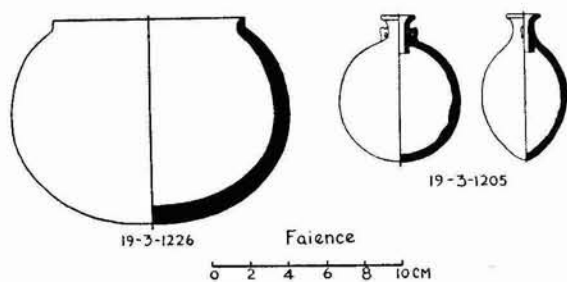


Figure 29d



Stone and Silver 19-3-1308

0 1 2 3 cm.

Figure 29e

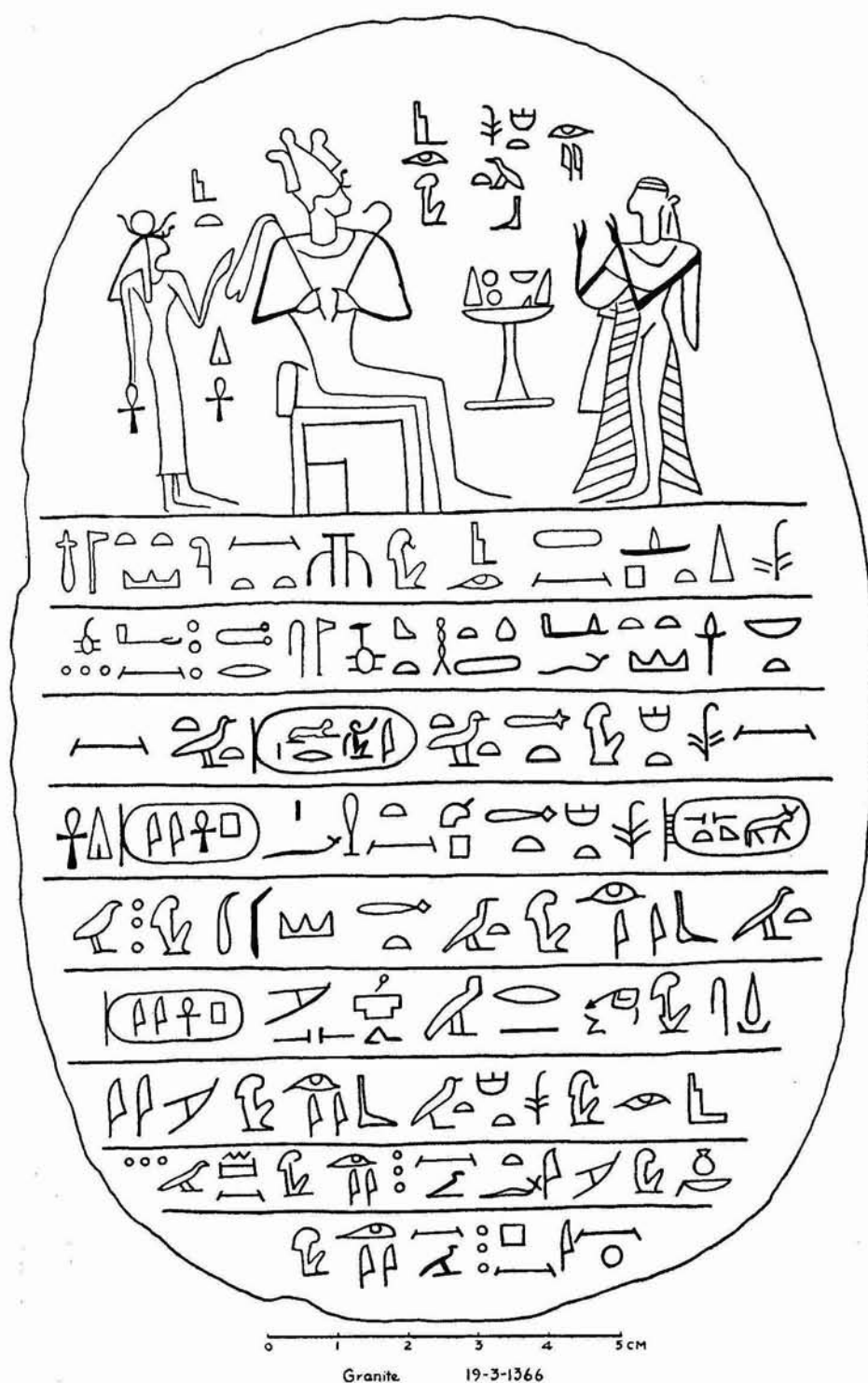


Figure 29f

Ku. 54. (2) Fig. 30a, Pl. II.B. Female, name not recovered.

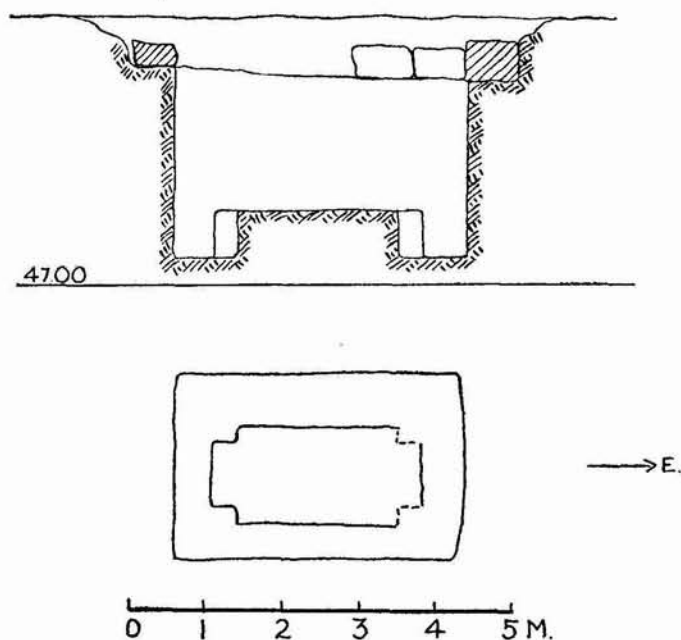


Figure 30a

The suggestion that this may be the tomb of Queen Peksater, wife of Pt'ANKHY and daughter of KASHTA, is put forward with reserve as plausible but not proven.

SUPERSTR., ENCLOSURE, CHAPEL: No trace.

F.D. None.

SUBSTR. Rectangular pit oriented E-W., 3.80 × 2.45 m., depth 3.15 m., originally roofed with masonry corbel of which a few blocks remain in place. Free-standing rock bench slightly S. of axis with cut-outs for bed legs but no floor sinkages.

BURIAL Remains of female skeleton, head W., and of a bead net. Pl. XXVIA.

OBJECTS Numbered objects (#2-5) found on bench in situ on Pl. XXVIA. 19-3-1318 to 1334 pit debris; 19-3-1383 (#1) SE. corner of pit, floor; 19-3-1384 pit debris; 19-3-1385 to 1390 disturbed about burial on bench; 19-3-1391 to 1407 pit debris; 19-3-1408 to 1410 (#2-4) on bench; 19-3-1411 to 1413 pit debris; 19-3-1414 (#5) on bench; 19-3-1415 to 1423 in debris. No shawabti figures.

19-3-1318 Two gold hair rings and 4 beads. Pl. LXVIA 4/6-10.

19-3-1320, 1321 Five dec. fai. beads. Pl. LXVIA 4/1-5.

1324 Tinted ivory rosette, black and white. Fig. 30d.

1325, 1405 Four lapis barrel beads. Pl. LXVIA 3/15-18.

1326 Four red and blue fai. pendants. Pl. LXVIA 2/8-11.

1327 Seven green fai. ribbed double cone beads. Pl. LXVIA 4/11-16.

1330, 1334 About 130 oblong beads of blue and red fai. and green paste. Fig. 30d, Pl. LXVIA 1/all; 2/1-7 and 12-19.

1331 Sixteen gilded silver hollow oblong beads similar in form and size to 19-3-1330. Pl. LXVIA 3/1-14.

1332 Two fai. or paste discs with inc. markings (Cf. 19-4-147 from Ku. 72, below). Fig. 30d.

1333 Forty-six faded blue fai. barrel beads. Pl. LXVIA 5/4.

1383 Small rock crystal vase. #1. Fig. 30c, Pl. XXXVIII.D 1/1.

1384 Dark brown agate (?) vase, ring handles. Fig. 30c, Pl. XXXVIII.C 1.

1385 to 1387 Many fai. cylinder beads in three sizes, from body. Pl. LXVIA 6/1-2 and 4.

- 19-3-1388, 1389 Many fai. and shell disc beads, from body. Pl. LXVIA 5/2-3.
 1390 Fai. cylinder beads sheathed in silver, from body. Pl. LXVIA 6/3.
 1391 Bronze implement. Pl. LXXLD 2/1.
 1396 Frags. of an alab. vase of same type as 19-3-1363 (from Ku. 53, above, *q.v.*).
 1397 Small alab. vase with separate neck. Fig. 30c, Pl. XXXVIII.D 1/2.
 1399 Frags. of a blue fai. winged scarab plaque. Pl. LIA,B 1/3.
 1401 Brown fai. twin short cylinder beads. Pl. LXVIA 5/5.
 1404 Alab. oval weight (?) like 19-3-1198 (from Ku. 53 above, *q.v.*). Weight 126 grams.
 1407 Blue fai. standing ram-headed god with disc and uraeus. Inc. hieroglyphs on back. Pl. LIA,B 1/5.
 1408, 1409 Two blue fai. figures of Pataikos with feather head-dress. #4 and 2. Pl. LIA,B 1/2 and 1.
 1410 Blue fai. amulet: Hathor head flanked by uraeae; hawk-headed god inc. on reverse. #3. Pl. LIA,B 1/4.

- 19-3-1414 Frags. of FRW. lentoid bottle; neck and handles separately made. #5. Fig. 30b.
 1416 to 1418 Frags. of 3 RW. bowls. Fig. 30b (all).
 1419 Frags. of ivory pin like 19-3-1558 (from Ku. 53, above, *q.v.*)

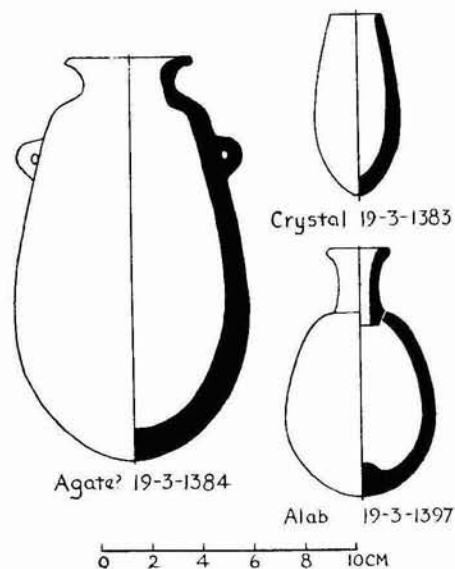


Figure 30c

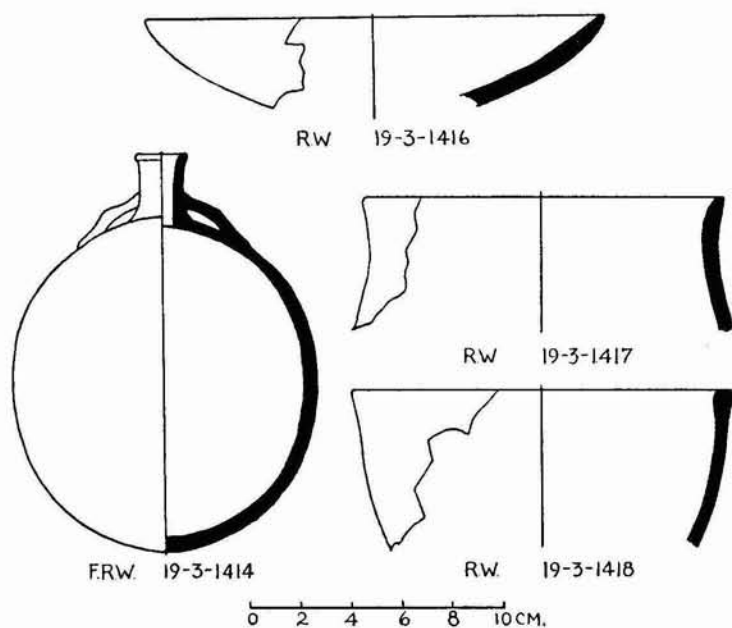


Figure 30b

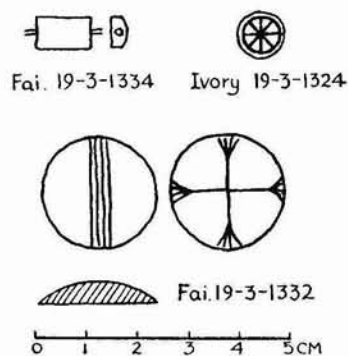


Figure 30d

Ku. 55. (2) Fig. 31a, Pl. II.B. Name not recovered. Sex presumed female.

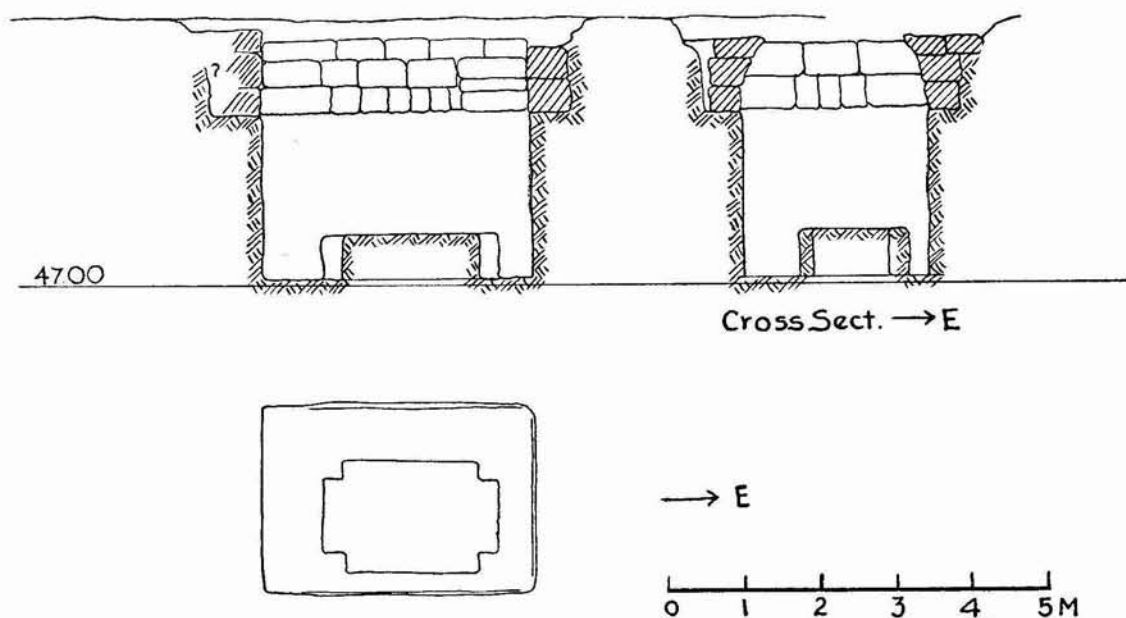


Figure 31a

SUPERSTR., ENCLOSURE, CHAPEL: No trace.

F.D. None.

SUBSTR. Rectangular pit oriented E-W., 3.56 × 2.40 m., depth 3.20 m., roofed with masonry corbel, in part preserved. Free-standing rock bench S. of axis with cut-outs for bed legs but no floor sinkages.

BURIAL Completely plundered out.

OBJECTS #3-5 in situ on Pl. XXVI.B; #4-5 in situ on Pl. XXVI.C; 19-3-240, 666, 667, 1424 to 1432 pit debris; 19-3-1433 #4 on floor at SW. corner of bench; 19-3-1434 #5 on floor at SW. corner of bench; 19-3-1438 to 1447, 1451 to 1458 pit debris; 19-3-1459 #1 E. end of pit on 40 cm. debris; 19-3-1461 #3 on floor at W. end of bench; 19-3-1462 to 1466 pit debris; 19-3-1467 #2 near SE. corner of pit on 8 cm. debris; 19-3-1468, 1469 pit debris. No shawabti figures found. One unregistered amulet from pit debris.

19-3-240 Large alab. vase, ring handles. Fig. 31c, Pl. XXXVIII.A.

666, 667 Two blue fai. shallow bowls, dec. on inside with processions of 4 bulls and a central medallion: on 666 this is a rosette, Pl. LXIV.B; on 667 a cow lying among papyri, Fig. 31e, Pl. LXIV.A.

19-3-1424 to 1427 Fai. cylinder, ring and disc beads.

1428 Fai. twin short cylinder beads like 19-3-1401 (from Ku. 54, above, *q.v.*).

1429 Fai. oblong beads like 19-3-1330 etc. (from Ku. 54, above, *q.v.*).

1430 Blue and red fai pendants like 19-3-1326 (from Ku. 54, above, *q.v.*).

1432 Frag. from rim of the slate bowl 19-3-1137 (from Ku. 52, above, *q.v.*).

1433 Group of beads and amulets #4 (Pl. XXVI.C). String of fai. ring beads with the larger units at intervals of as many as 90 ring beads. These units are:

a. Silver ibis with feather in front. Pl. LXIA-C 5.

b. Green stone Maat figure with silver feather on head. Pl. LXIA-C 4.

c. Silver Udjat eye.

d. Fai. openwork Udjat eye.

e, f. Two large lapis or blue paste barrel beads.

g. Cloisonné enamel hawk wearing double crown. Pl. LX.D 1.

h. Silver Isis with double crown. Pl. LX.D 2.

1434 Group of blue fai. disc beads strung with amulets, #5 (Pl. XXVI.C), as follows:

a, b. Two blue fai. winged scarab plaques. Pl. LII.D-E.

19-3-1434

c. Electrum ram seated on a pillar inlaid with scale pattern in paste cloisons. Fig. 31f, Pl. LXIA-C 2.

d. Electrum ram on a green stone column. Fig. 31f, Pl. LXIA-C 3.

N.B. The distribution of the amulets between 19-3-1433 and 1434 is not certain. See the confusion evident on Pl. XXVI.C.

1436, 1437 Silver ram's head mounted on a polygonal rock crystal column. Height 0.089 m. Pl. LXIA-C 1.

1440 One hexagonal gold barrel bead.

1445 Frags. blue fai. bowl, gray body. Fig. 31b.

1447 Alab. vase, ring handles. Fig. 31d, Pl. XXXVIII.C 3.

1452 FRW. bowl, broken. Fig. 31b, Pl. XLIII.B 1/2.

19-3-1453 Frags. FRW. bowl, Y. wash inside, R. wash outside and on inside of rim. Fig. 31b.

1454 Part of a shallow RW. bowl. Fig. 31b.

1458 RW. jar, lightly ribbed. Fig. 31b, Pl. XLIII.F 4.

1459, 1467 Frags. of 2 large RW. jars with loop handles, ribbed. #1-2. Pl. XLIII.A 2.

1461 Large oval drum jar. #3. Pl. XLIII.E 2.

1466 Frags. small deep pottery bowl. Fig. 31b.

1469 Frags. ribbed pot with loop handles, RW., Db. Sl. Fig. 31b.

Not registered. Gold Hathor head surmounting a rock crystal ball. A gold tube passes down from head through ball to a gold base-plate. Height 6 cm. Pl. LX.E-G.

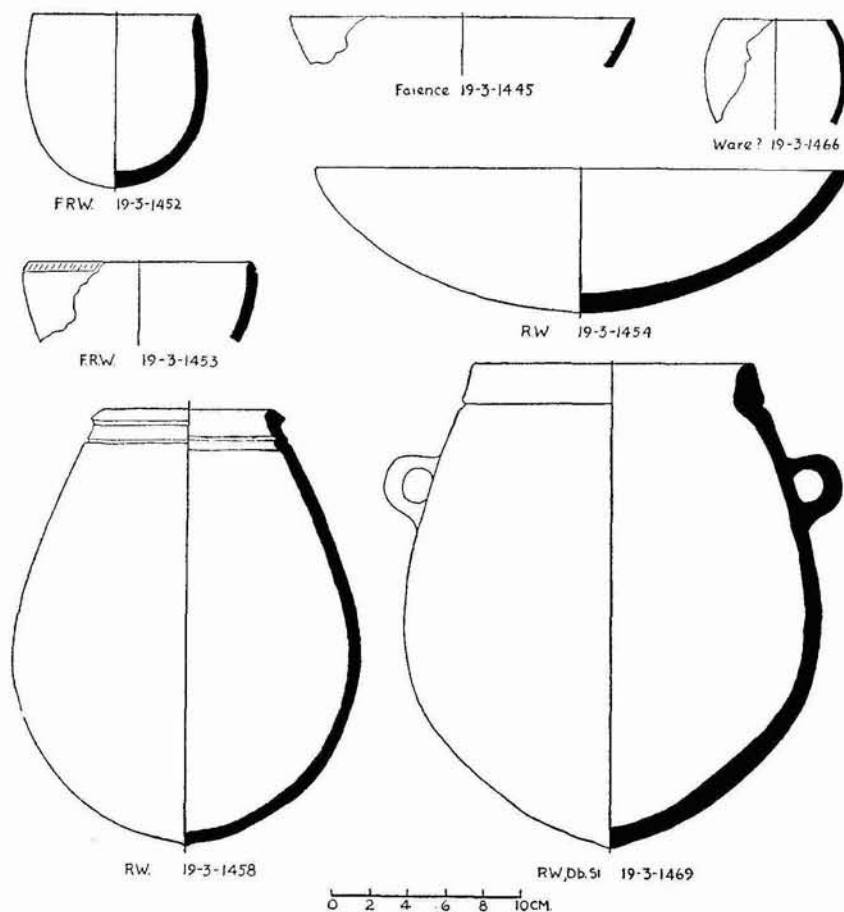


Figure 31b

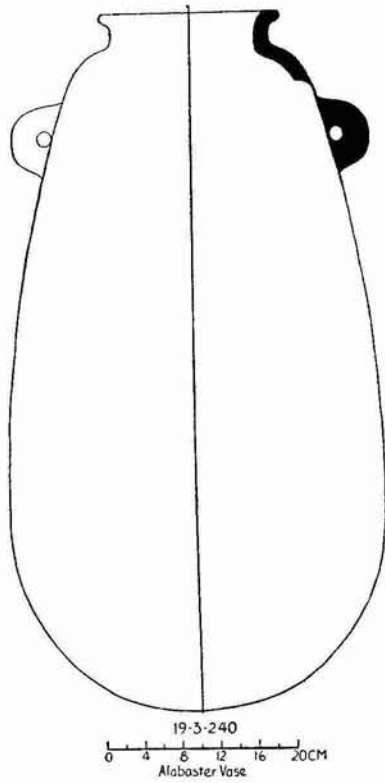


Figure 31c

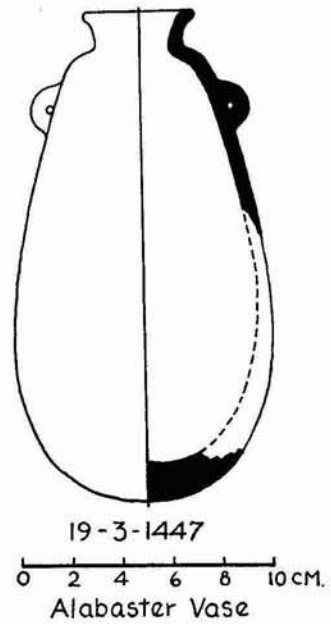


Figure 31d

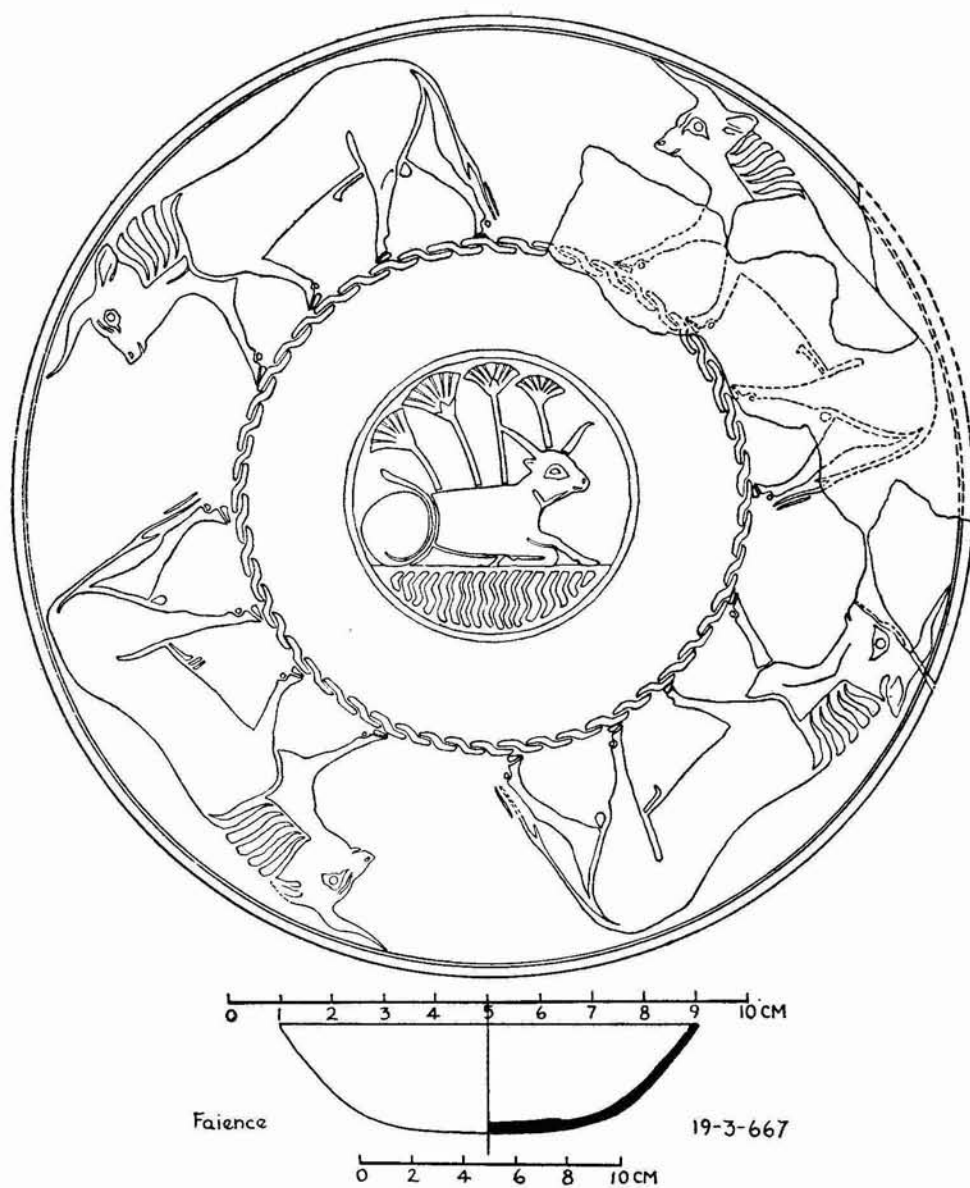


Figure 31c

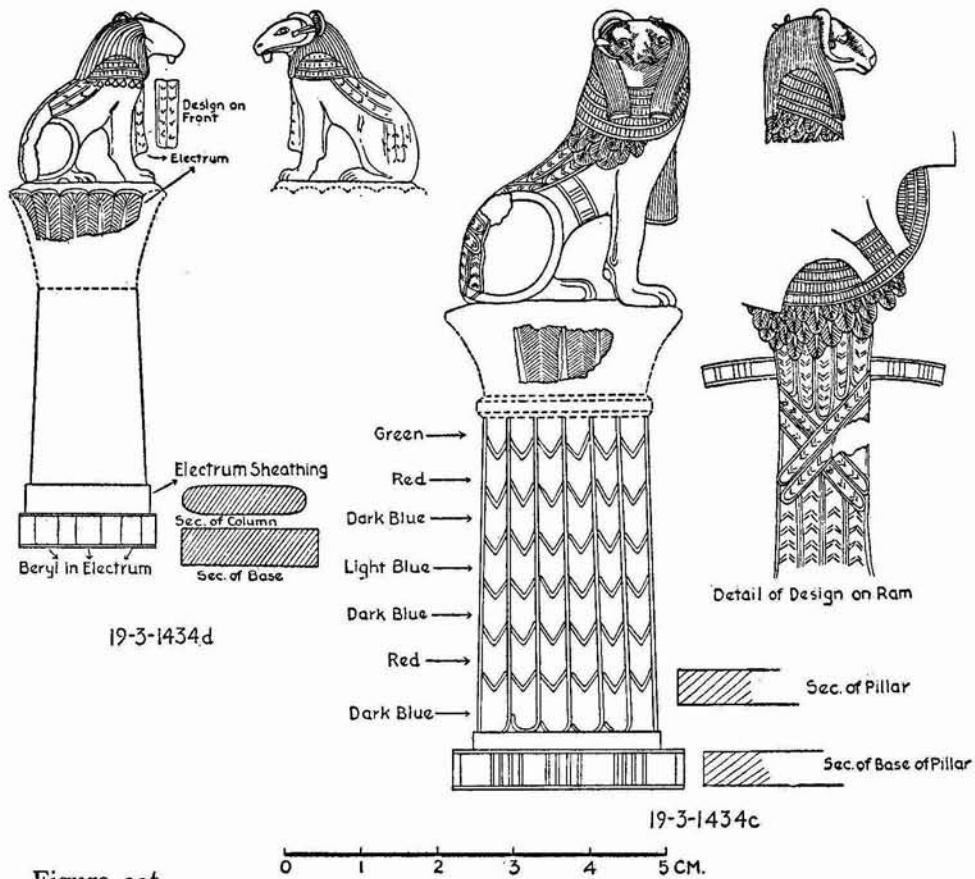


Figure 31f

0 1 2 3 4 5 CM.

Ku. 61. (7) Fig. 32a. Pl. III.A. Sex female, name not recovered. A queen (?) of TANWETAMANI (?), buried by ATLANERSA (?).

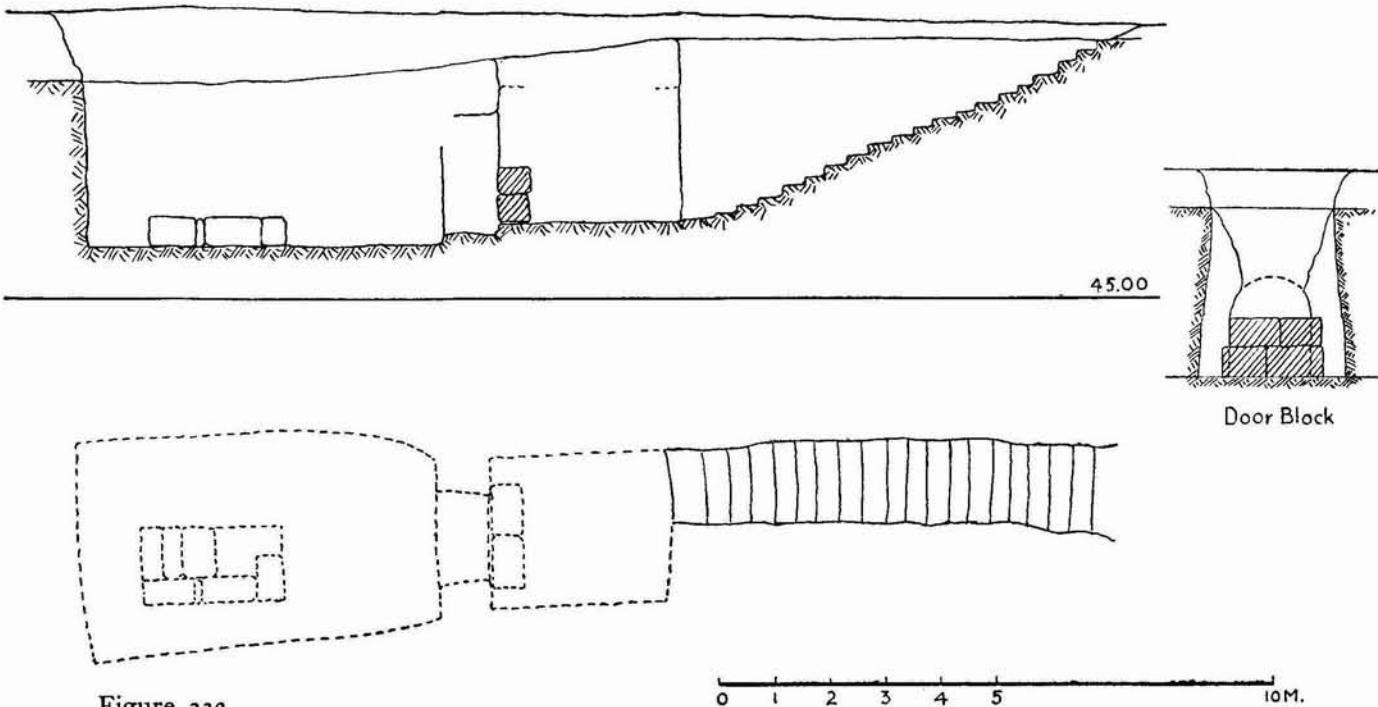


Figure 32a

0 1 2 3 4 5 10 M.

SUPERSTR., ENCLOSURE, CHAPEL: No trace.

F.D. None.

SUBSTR. Stair (presumably in front of chapel) of 20 steps giving directly on Chamber A, 3.25×3.75 m., originally rock-cut but with roof now entirely collapsed. Sandstone masonry door-block at entrance to Chamber B, in front of jambs, 2 courses preserved (Pl. XXVILA). Step down into doorway, step down into B, 6.45×3.80 m., slightly flaring to W., roof entirely collapsed. Free-standing masonry bench S. of axis in part preserved, but without cut-outs for bed legs. Slight traces ptd. dec. on walls of B, too faint for recording.

BURIAL Completely plundered out.

OBJECTS 18-4-514, 518, 519 stair debris; 18-4-520 to 529 debris in Chamber B; 19-3-1577, 1578, 19-4-63 to 66, 70 general debris. Not registered: shawabti figures in debris.

18-4-514 Frag. of a shawabti figure of Pi'ankhy.

18-4-518, 519 Misc. common fai. beads.

521 Seven blue paste cylinder beads. Pl. LXVII.B 3/3-4, row 4, row 5.

522 Three base gold cylinder beads. Pl. LXVII.B 2/7-9.

523 Gold as follows:

a-c. Disc beads, mostly with granulated edges. Pl. LXVII.B 2/1-6, 3/1-2.

d. Granulated band beads. Pl. LXVII.B 1/9-16.

e. Buttons. Pl. LXVII.B 1/1-8.

524 Crushed gold finger cap from mummy. Pl. LXVII.B 3/5.

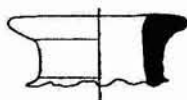
526 Six frags. of mummy eyes, representing 3 pairs of different sizes.

528 Rim frag. quartzite vase. Fig. 32b.

529 Two shawabti frags., one of Pi'ankhy, one of Tanwetamani.

Not registered. Blue fai. shawabti figures in debris.

Female, Bag wig, no beard, no uraeus. Hands crossed holding implements (unclear). Basket over right shoulder inc. on back. Half molded, back smoothed. Total: several hundred. Pl. XLVII.E,F.



Quartzite 18-4-528

0 2 4 6 8 CM.

Figure 32b

Ku. 62. (3) Fig. 33a, Pl. III.A. Sex female, name not recovered. A queen of SHABAKO.

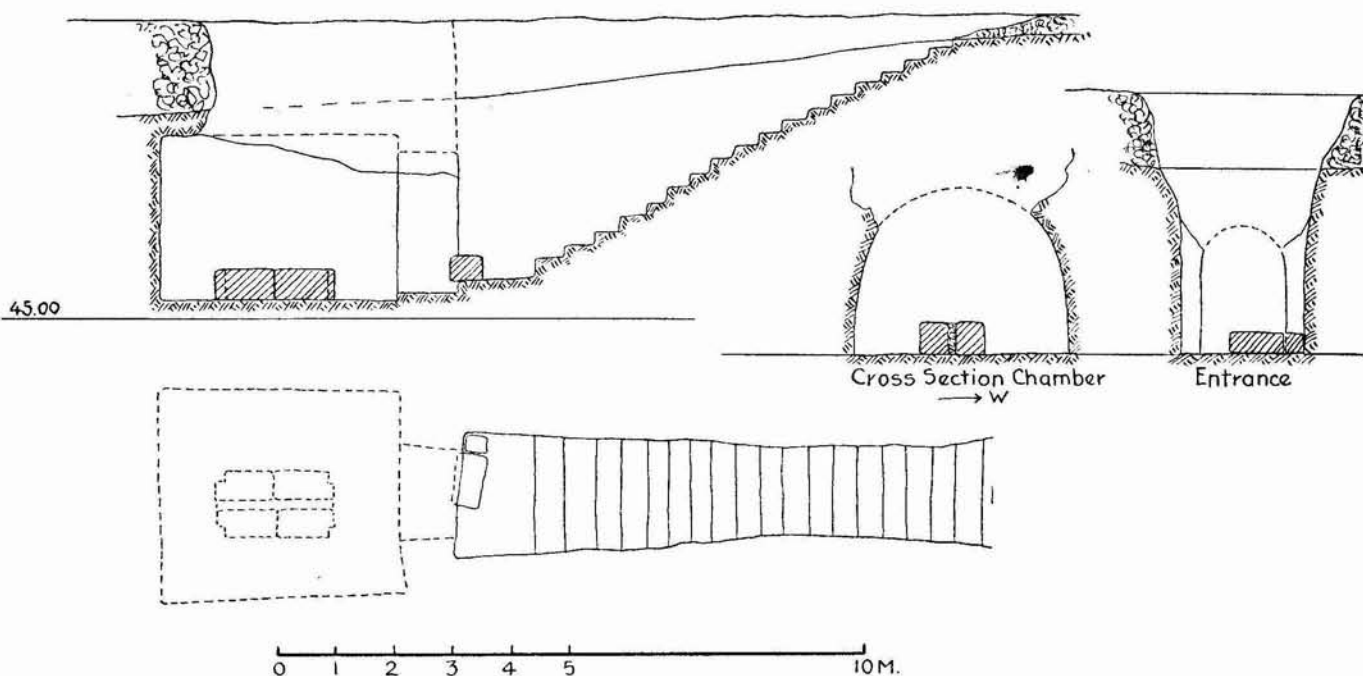


Figure 33a

SUPERSTR., ENCLOSURE, CHAPEL: No trace.

F.D. None.

SUBSTR. Stair of 19 steps to short flat landing. Base of sandstone masonry door block in front of jambs. Step down in round-topped doorway. Step down into single chamber, 4.10 × 3.60 m., originally with hemispherical vaulted roof, largely collapsed. Faint traces Ptd. dec. and hieroglyphs on walls. Free-standing masonry bench very slightly S. of axis with cut-outs for bed legs but no sinkages.

BURIAL Completely plundered out.

OBJECTS 19-3-1460 organic debris about bench; 19-3-1470 to 1492, 1559 to 1576 chamber debris; 19-4-67 to 69 siftings; 19-4-146 shawabti figures in debris.

19-3-1460 Many frags. of carved ivory, the whole group, Pls. XXXVI.A,B, including:

a. Cartouches of Shabako. Fig. 33d, on Pl. XXXVI.B.

d. Palm capitals. Fig. 33e, Pl. XXXVI.B.

j. Tongued *dd* and papyrus units from openwork dec. of a chest (?). Pl. XXXVI.A. (See also 19-4-67, below, certainly parts of the same objects.)

19-3-1470 Frag. of a large lapis mummy scarab. Pl. LXX.A n.

1475 Eight small eyes in bronze frames, too small for normal mummy or case. Pl. LXX.A n.

1478 Green glass paste triple barrel bead. Fig. 33c, Pl. LXX.A n.

1480, 1566 Two tiny bronze 'nh signs. Fig. 33c.

1489 Upper part of a quartzite vase with ring handles. Fig. 33b, Pl. XXXIX.B 1.

1490 Frag. of a similar vase, smaller. Pl. XXXIX.B 2.

1491 Rim frag. of large RW. pot or basin: holes below rim. Fig. 33b.

1567 Green glass paste bead. Fig. 33c.

1570 Y. fai. lily, broken off at neck, not pierced. Fig. 33c, Pl. LXX.A n.

1571 Pottery cup with pinched pouring lip. Fig. 33b.

1576 Tall neck of a R. washed pottery vessel. Fig. 33b.

19-4-67 Frags. of carved ivory (belonging with 19-3-1460, above). Fig. 33d-e, Pl. XXXVI.C.

19-4- 146 Blue fai. shawabti figures as follows:

- a. Lappet wig, beard cut off, no uraeus. Mummiform without implements. Uninscr. Half-molded, flat back, some are blade-dressed. Fine white paste, faded

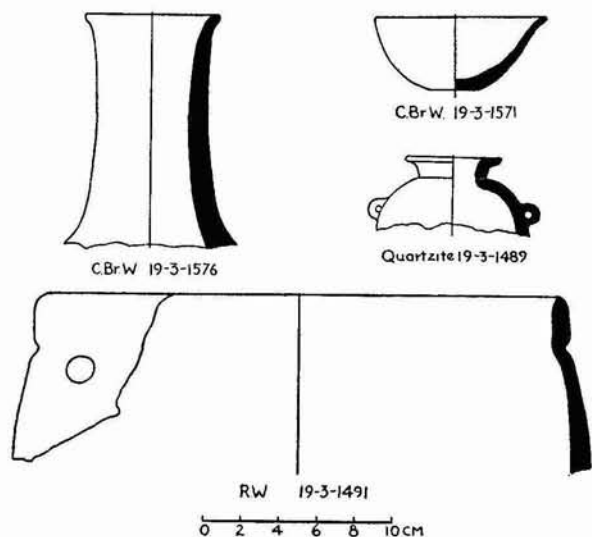


Figure 33b

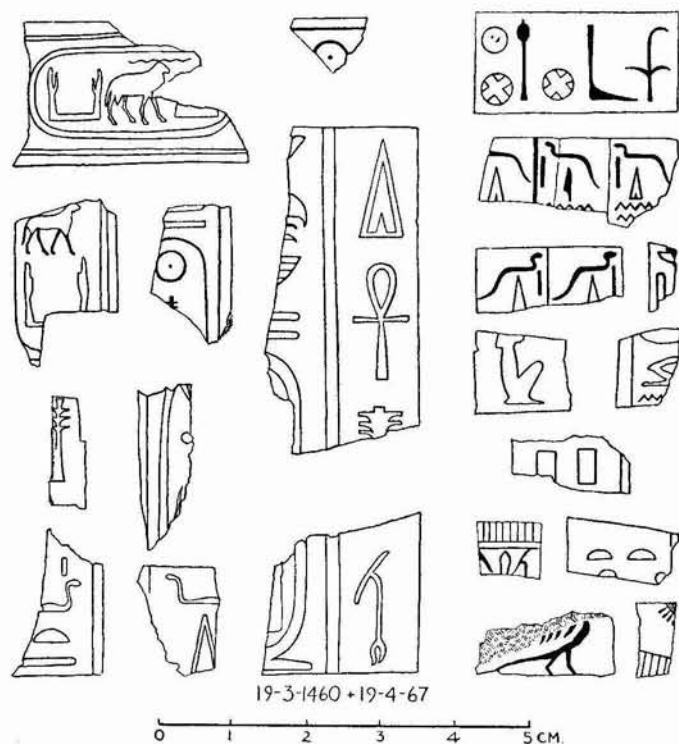


Figure 33d

glaze. Total: at least 106 figures. Pl. XLVI.D right.

- b. Lappet wig, no beard, no uraeus. Hands opposed on breast, no implements. Uninscr. Technique and material as a. Total: 6 figures. Pl. XLVI.D 1/1-2.
- c. Lappet wig, no beard, no uraeus. Right arm on breast holding hoe, left arm supporting basket on head. Uninscr. Technique and material as a. Total: 7 figures. Pl. XLVI.D 2/1-2.

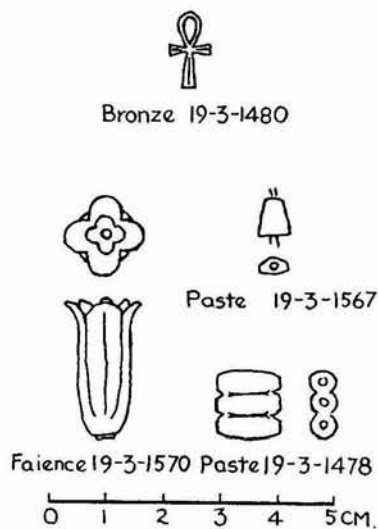


Figure 33c

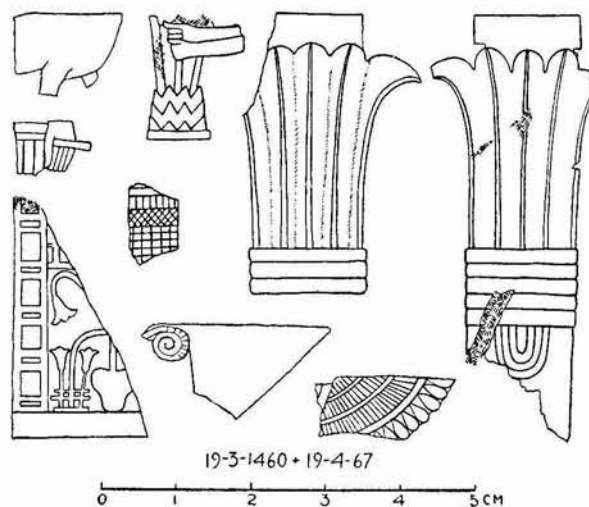


Figure 33e

Ku. 71. (3) Fig. 34a, Pl. III.B. No name found. Female. Probably a queen (?) contemporary with SHABAKO.

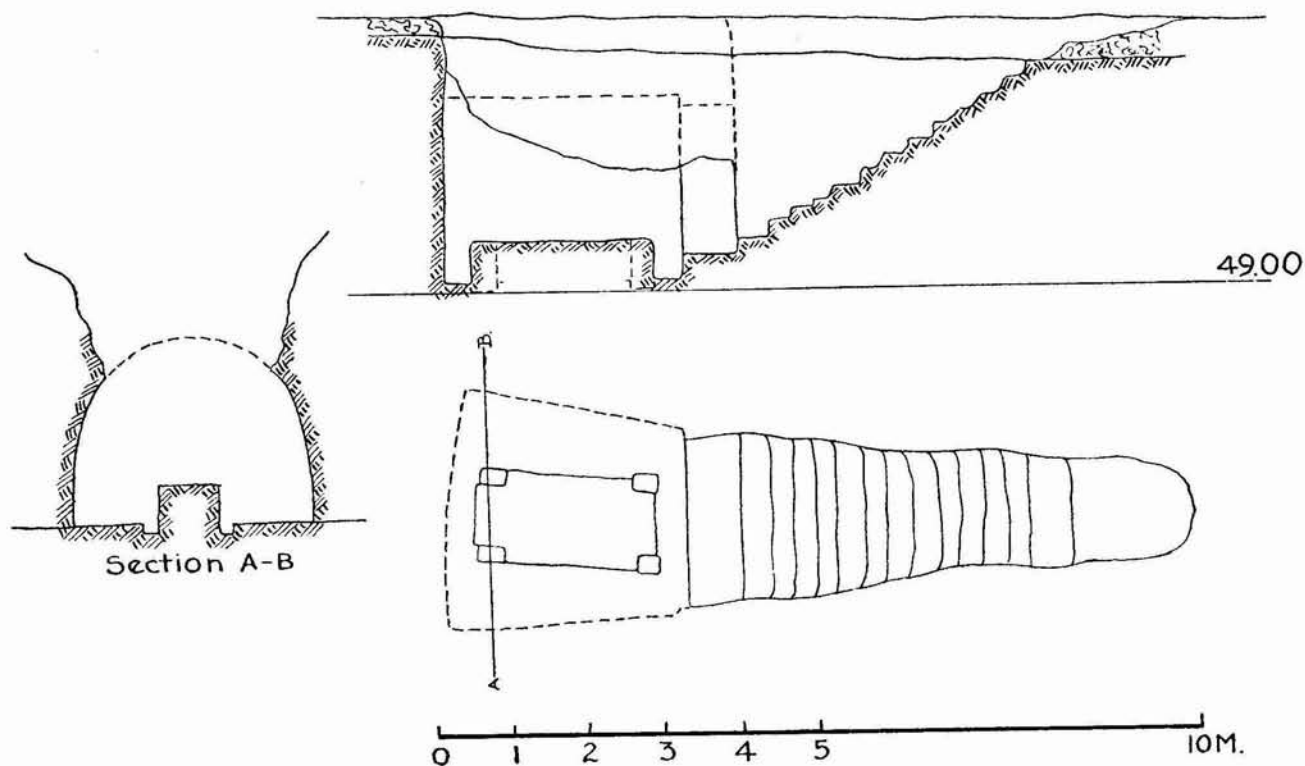


Figure 34a

SUPERSTR.	Destroyed; was of sandstone masonry.
ENCLOSURE	No trace.
CHAPEL	No trace.
F.D.	None.
SUBSTR.	Stair of 13 steps giving on doorway the full width of cutting. No block preserved. Doorway collapsed. step down in doorway. Step down into single chamber 3.10 × 2.80 m., flaring to W. Hemispherical vaulted roof broken down. Free-standing rock bench on axis with cut-outs for bed legs and square floor sinkages.
BURIAL	Completely plundered out.
OBJECTS	19-3-1493 stair debris; 19-3-1494 to 1513 chamber debris; 19-3-201 shawabti figures in chamber debris.

19-3-1493 Quantity blue fai. cylinder beads. Pl. LXX.A h.

19-3-1494 to 1496 Frags. of 3 CRW. footed cups, hand-made. Fig. 34b, Pl. XLIII.C 2/1.

1497 A few human bones.

1498 Two amulets cut from heavy sheet gold; ring at back. Pl. LXX.A g 1-2.

1499 Base of a CRW. beaker. Fig. 34b.

1501 Nineteen carn. ball beads. Pl. LXX.A, f.

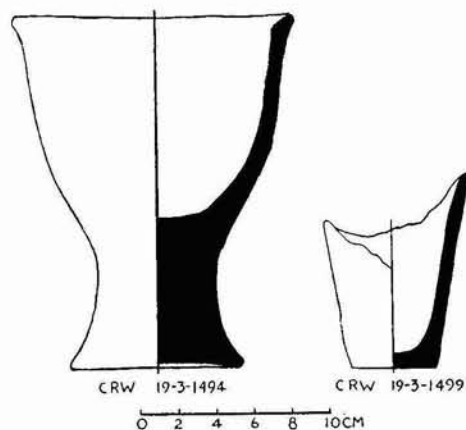


Figure 34b

- 19-3-1503 Four gilded silver sheet amulets; ring at back. Pl. LXX.A g 3-6.
- 1504 Serpentine amulet; hawk-headed deity. Pl. LXX.A g 7.
- 1506 Many gilded silver cylinder beads. Pl. LXX.A j.
- 1508 Two fai. "eye beads." Pl. LXX.A h.
- 19-4- 201 Fai. shawabti figures as follows:
- a.* Lappet wig, no beard, no uraeus. Hands opposed on breast without implements. Uninscr. Half-molded, flat-backed. Fine

- white body, faded blue glaze. Total: at least 18 figures. Pl. XLVI.E 1/1-2, 5-6.
- b.* Like *a.* but smaller. Hoe in left hand. Same technique and material as *a.* Total: at least 3 figures. Pl. XLVI.E 1/3-4.
- c.* Lappet wig, no beard, no uraeus. Right hand on breast with hoe, left hand holds basket on head. Technique and material as *a.* *Not* from same mold as this type in Ku. 62. Total: at least 13 figures. Pl. XLVI.E 2/all.

Ku. 72. (4) Fig. 35a, Pl. III.B. Name not found. Female. Presumed queen (?) buried by SHEBITKU.

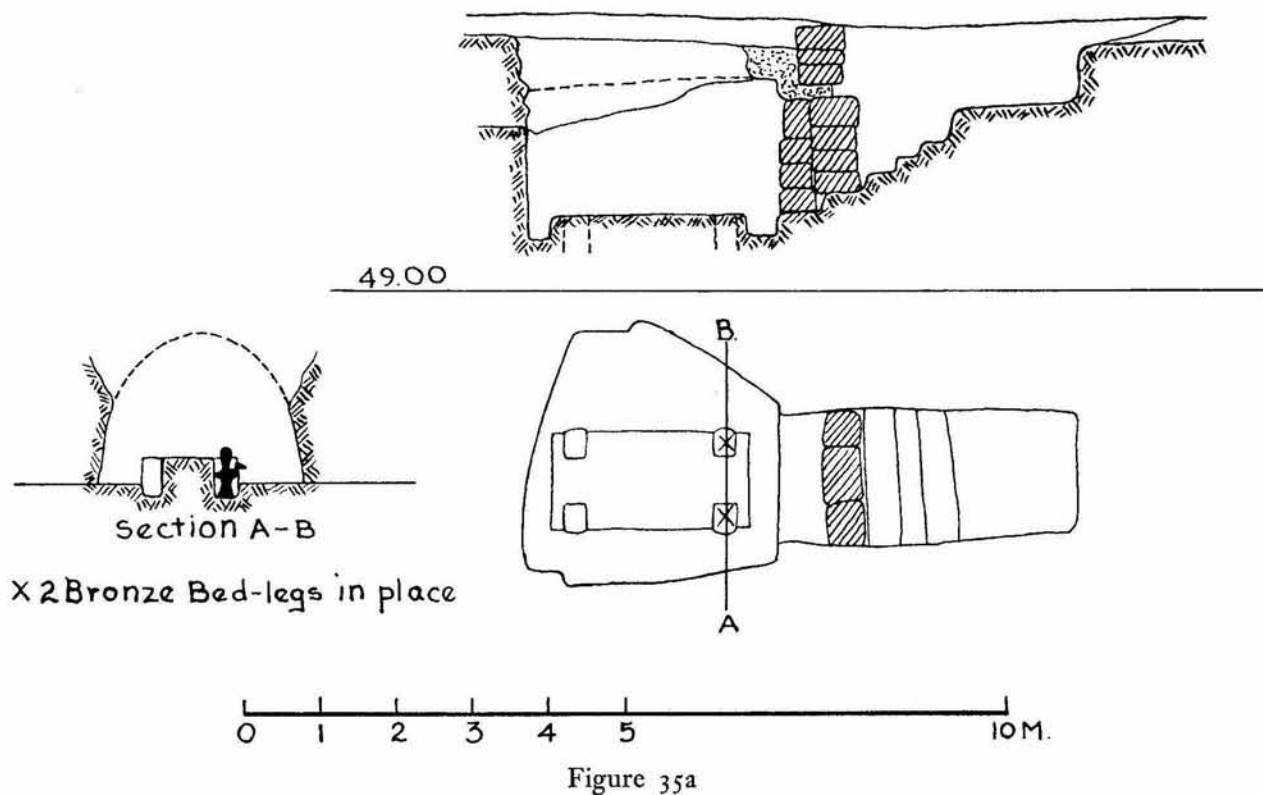


Figure 35a

SUPERSTR. Destroyed; probably sandstone masonry.

ENCLOSURE No trace.

CHAPEL No trace.

F.D. None.

SUBSTR. Stair a deep drop and five steps. Rough sandstone blocking in two thicknesses, resting on last step and threshold. No door jambs. Step down to single irregular flaring chamber, 3.20×3.30 m., with collapsed roof, apparently vaulted. Free-standing rock bench on axis with cut-outs for bed legs and floor sinkages. Two bronze bed legs in situ at E. end. Plundered through collapsed roof.

BURIAL Completely plundered out.

OBJECTS Numbered objects in situ are marked on Pl. XXVII.B (#4-29), c (#1-3); 19-3-1514 to 1520 stair and chamber debris; 19-3-1521 to 1525 numbered, in situ; 19-3-1526 to 1528 chamber debris; 19-3-1529, 1530, 1532 to 1535 numbered, in situ; 19-3-1536 chamber debris; 19-3-

1537 to 1540 numbered, in situ; 19-3-1541, 1542 chamber debris; 19-3-1543 to 1551 numbered, in situ; 19-3-1552, 1553 chamber debris; 19-3-1554 to 1556 numbered, in situ; 19-3-1557 debris; 19-3-1558B, numbered, in situ; 19-4-147 chamber debris; 19-4-202 shawabti figures, #16 and in debris. One unregistered object #29, a gold collar from debris between bench and door block.

19-3-1514 Small serpentine scarab in silver mount. Pl. LXX.A b.

1515 to 1517, 1519, 1520 Misc. beads of faience, and silver. Pl. LXX.A b-c, and e.

1521 Cup of greenish DbW. #4. Fig. 35c, Pl. XLIII.D.

1522, 1533 Three small RW. lentoid bottles and frags. of a fourth. #6-9. Fig. 35c, Pl. XLIII.C 1/1-2; 2/3.

1523 Alab. lentoid vase with separately made neck and rudimentary handles. #11. Fig. 35d, Pl. XXXIX.D 2.

- 19-3-1524 Alab. lotiform cup; hole in base for stem dowel which is missing. #10. Fig. 35d, Pl. xxxix.c 2.
- 1525 Alab. pot with ring handles. #2. Fig. 25d, Pl. xxxix.c 1.
- 1526 Gilded silver lotus bead. Pl. LXX.A c.
- 1529 Alab. vase with separately made neck. #12. Fig. 35d, Pl. xxxix.d 1.
- 1530 Two lapis Udjat eyes; inc. details on one side only. #13. Pl. LXX.A b.
- 1532 RW. cup dec. with triangles of rolled dots. #17. Fig. 35c. Pl. XLIII.C 2/2.
- 1534 Many frags. of sheet bronze casing, some rectangular (from bed?). #20 on bench.
- 1536 Bronze bolt(?); flat-backed. Pl. LXX.A d.
- 1537, 1538 A natural pebble and 13 fossilized bivalve shells. #15. Pl. LXXII.D.
- 1539 Veined alab. vase with ring handles. #5. Fig. 35d, Pl. xxxix.c 3.
- 1540 A few lumps of raw red jasper. #14. Pl. LXXII.D.
- 1542 Rough blue fai. plaque with inc. seated figure. Pl. LXX.A d.
- 1543 Bronze corner piece (from bed?). #3. Pl. XLE 2.
- 1544 Two identical bronze bed legs in the form of geese. Base dec. with papyrus clump in relief. Holes near top of post and depression over the top to take lacing, indicates a bed of the "angareeb" type. #19, 23. Fig. 35f, Pl. LVIII.B (One in Boston, the other in Khartoum).
- 1545 Bronze rod terminating in a hand grasping a tube (canopy frame element?). #30. Fig. 35g, Pl. XLIA 3.
- 1547 Large bronze bowl. #21. Fig. 35e, Pl. XLII.B 2.
- 1548 Bronze pot. #27. Fig. 35e, Pl. XLII.B 1.
- 19-3-1549 Bronze dish. #24. Fig. 35e, Pl. XLE 1.
- 1550 Bronze bowl; bent and broken. #26. Fig. 35e.
- 1551 Two large bronze kettles with bail handles. #18, 22. Fig. 35f, Pl. XLIA 2.
- 1552 Oval bronze bowl. Fig. 35e, Pl. XLIA 1.
- 1553 Rectangular ivory plaques and frags., with inc. designs including standing goddess, Hathor head, hawk, and papyri. Also frags. of 7 ivory pins terminating in horse and dog heads. Fig. 35h, Pl. XXXVI.D.
- 1554 Large greenish DbW. jar (broken), ribbed and grooved. #25. Fig. 35b.
- 1558B Large BrW. drum jar. #1. Fig. 35b, Pl. XLIE 1.
- 19-4- 147 Six ivory discs with three or four inc. parallel lines across diameter (cf. 19-3-1332 from Ku. 54, above). Pl. LXX.A a.
- 202 Fai. shawabti figures in debris as follows (#16):
- a. Figures from same mold as 19-4-201 a (Ku. 71, above). Total: at least 21 figures. Pl. XLVII.A 1/1-4.
- b. Figures from same mold as 19-4-201 b (Ku. 71, above). Total: at least 8 figures. Pl. XLVII.A 1/5-7.
- c. Figures from same mold as 19-4-201 c (Ku. 71, above). Total: at least 7 figures. Pl. XLVII.A 2/all.
- Not registered. #29. In debris between bench and door block. Gold collar forming a complete circle; the rear third joined to the front by two hinges held by pins. Granulated borders. In relief on front a kneeling winged figure with disc and uraeus; on back center a scarab in relief. Pl. LXIII.A.

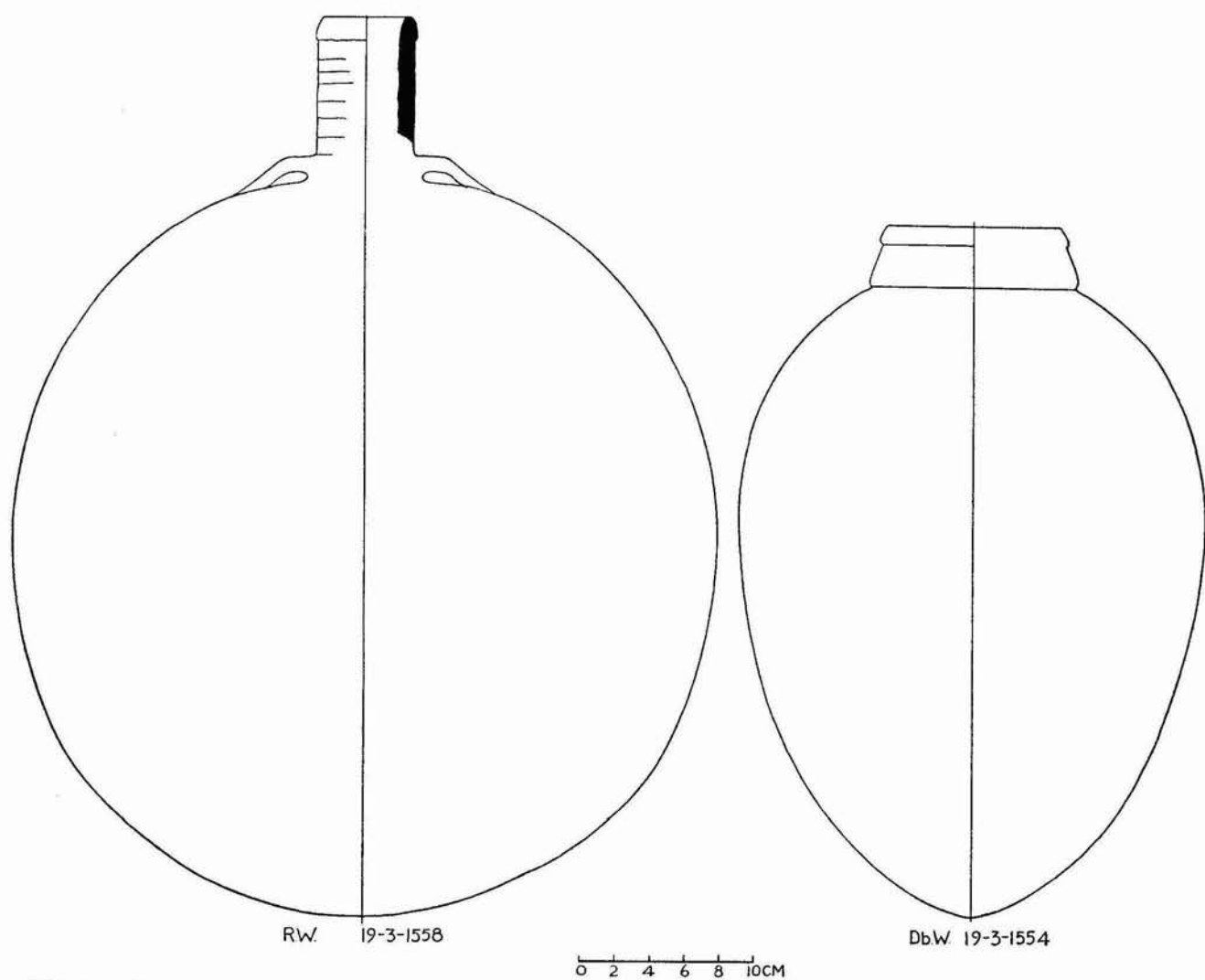


Figure 35b

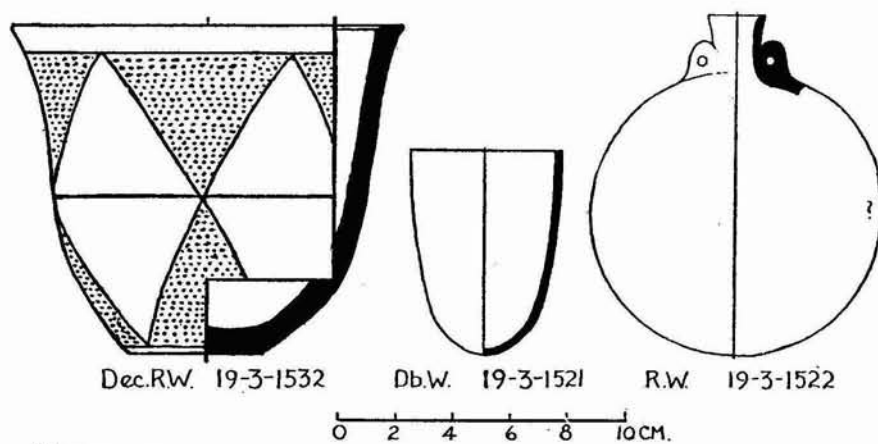


Figure 35c

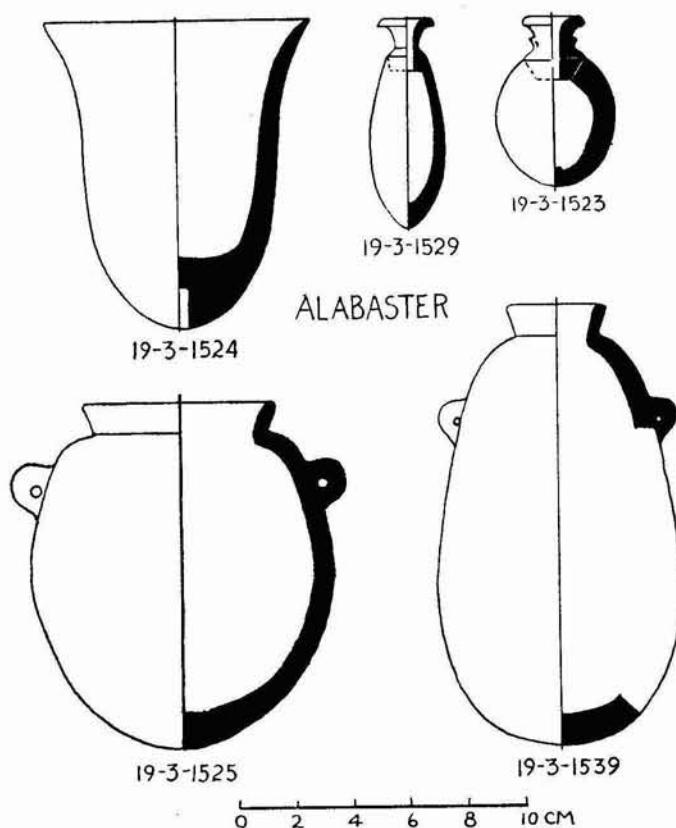


Figure 35d

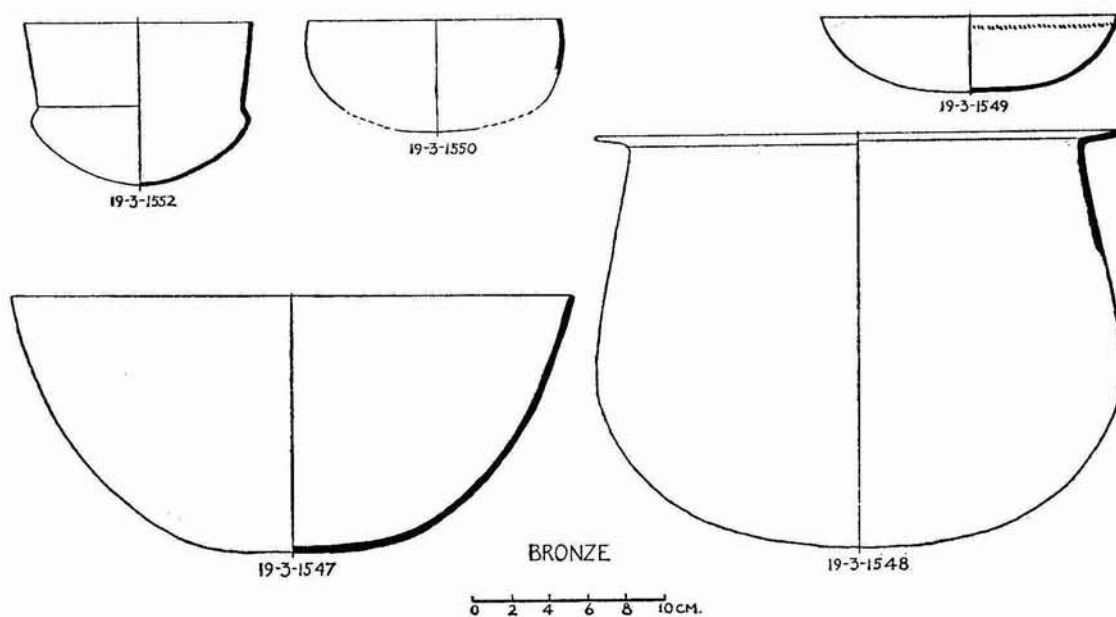


Figure 35e

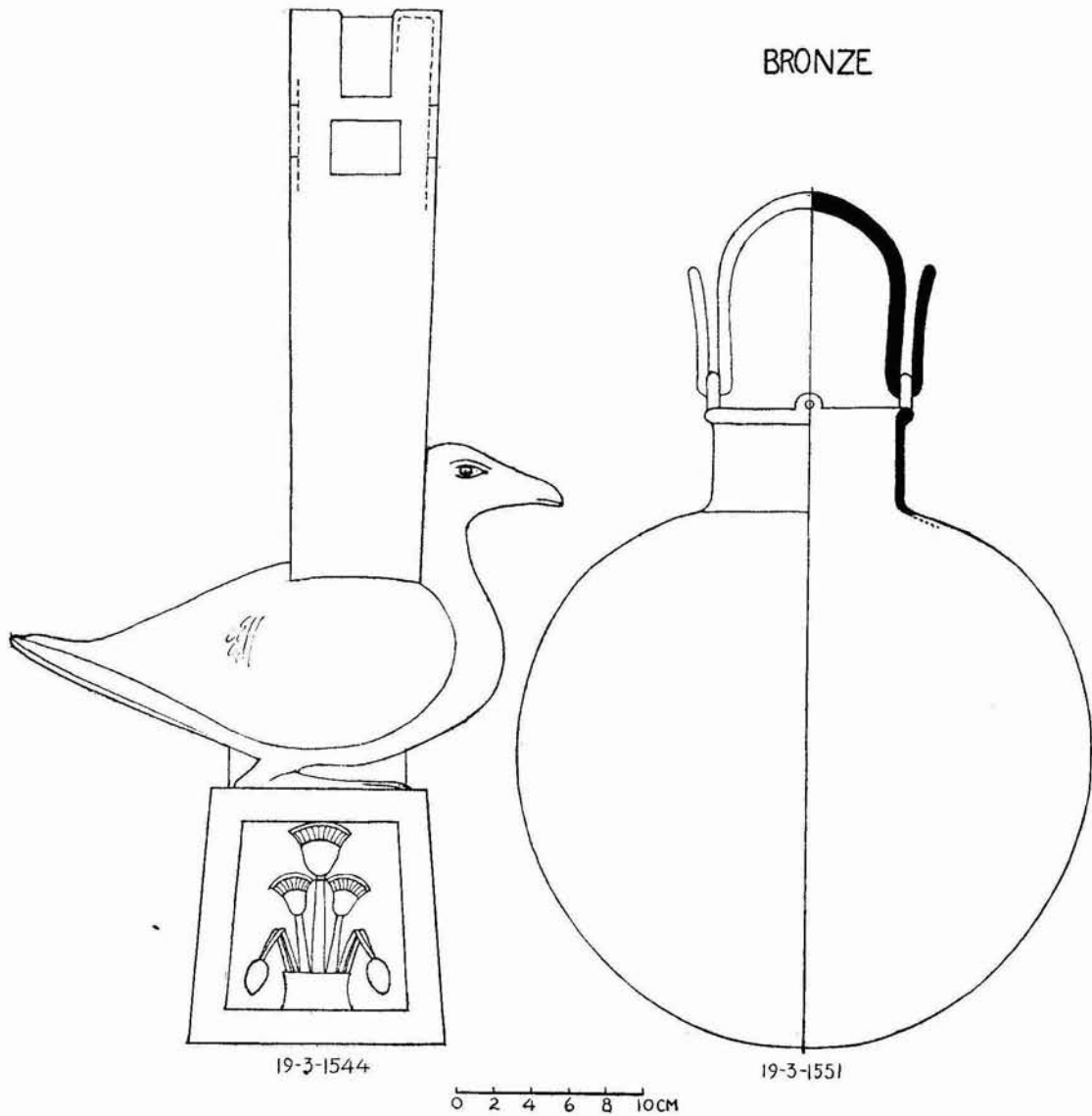


Figure 35f

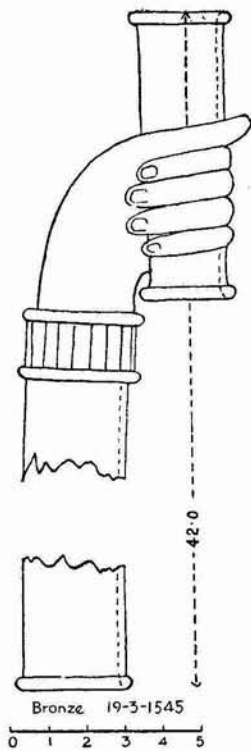


Figure 35g

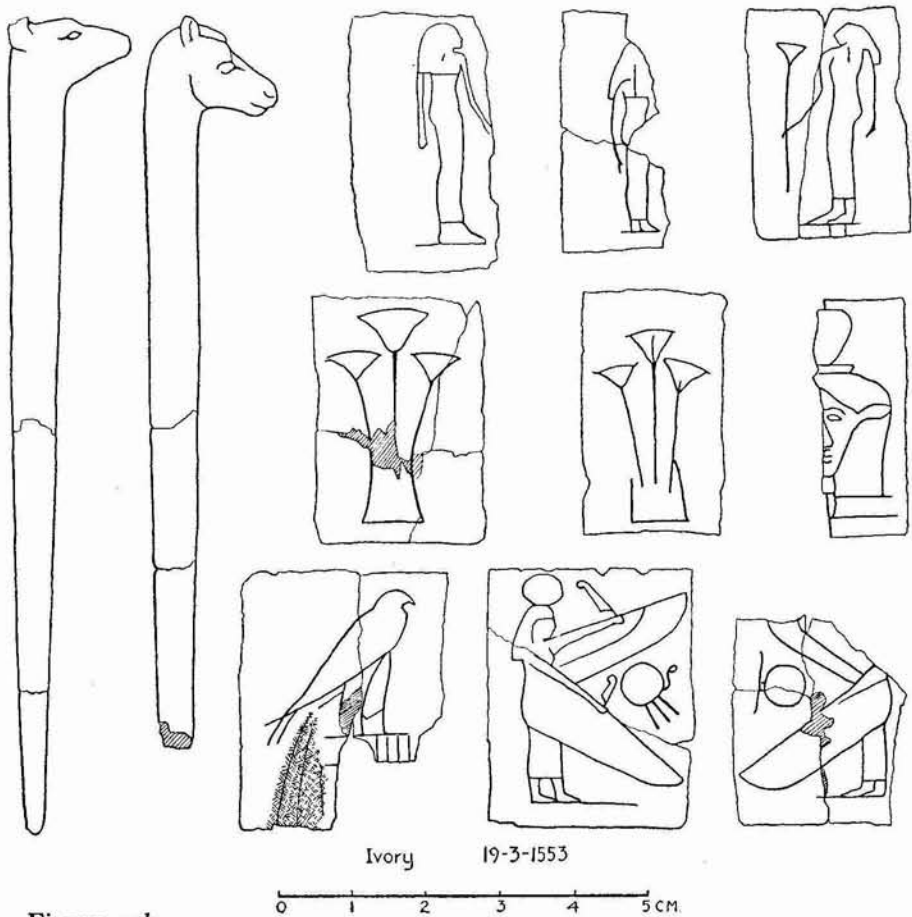


Figure 35h

Ku. 73. Not a tomb. Apparently the beginning of a stair-cut never completed or used.

Ku. 74-100. Numbers not used.

Ku. 101 (45-55?). Pl. xxvii.D. Name and sex not determined. A provincial burial of the late Meroitic period.

SUPERSTR. Low gravel mound about 5.00 m. in diameter.

ENCLOSURE No trace.

CHAPEL No trace.

F.D. None.

SUBSTR. Grave with rounded ends oriented roughly E-W. 1.70 × 0.75 m.

BURIAL Plundered. Scattered arm and leg bones. Bronze bowls in position at four corners suggest burial on a bed.

OBJECTS Objects numbered #1-6 in position on Pl. xxvii.D; 19-3-854 to 858, 931 to 938, 954 to 961 debris of grave; 19-3-962 to 967 numbered #1-6, in situ.

19-3-854 Hollow sheet-gold ornament. Pl. LXIII.B-C 2, Pl. LXX.A k.

856 to 858 Misc. beads of gold, carn. and blue glass. Pl. LXX.A k.

931 Rim frag. BkW. jar; deep grooved lines. Fig. 36a.

932 One large cowrie shell. Pl. LXX.A m.

933 Rim frag. RW. bowl, RPol., Br. Ptd. rim. Fig. 36a.

934 Rim frag. BkW. bowl, Bk. Pol., hand-made. Fig. 36a.

954 Frags. worn RW. bowl. Fig. 36a.

961 Few scattered ball and ring beads of fai. and blue glass.

962 to 967 Five bronze bowls and a jug, in situ Pl. xxvii.D #1-6. Fig. 36b, Pl. XLID.

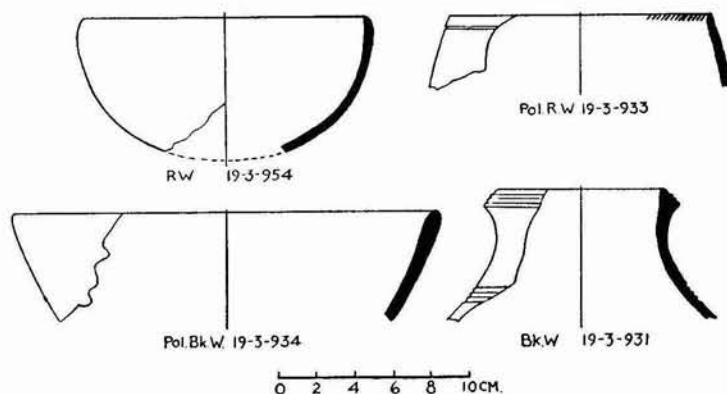


Figure 36a

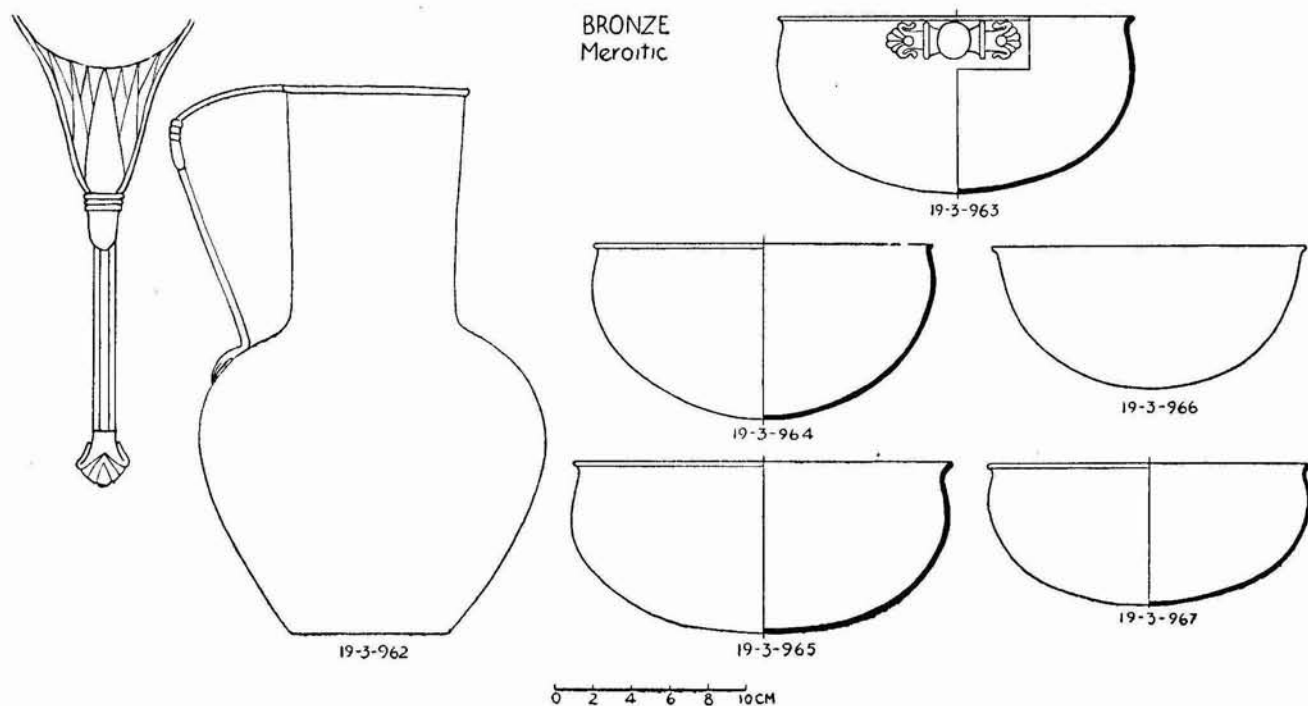


Figure 36b

Ku. 102. (45-55?). Pl. xxvii.E. A shallow trench grave oriented N-S., with loosely contracted adult skeleton on left side, head S. No objects.

Ku. 103. (45-55?). Not illustrated. A plundered trench grave like Ku. 102.

OBJECTS All in debris: 19-3-837 to 839.

19-3-837 Blue fai. scarab. Pl. LXX.A 1.

838 Faded fai. four-lobed bead. Pl. LXX.A 1.

839 Few blue fai. cylinder and ring beads.

Ku. 200. Horse Cemetery. See Map II and Plate iv.A.

A series of 24 graves of horses (Ku. 201 to 224) plus two small circular graves (Ku. 225, 226), one of which contained the skeleton of a dog. The horse graves lie in four rows, from SW. to NE. as follows: 221-224 (4 graves), 201-208 (8 graves), 209-216 (8 graves), and 217-220 (4 graves). Within each of these four rows the graves are of approximately uniform type, but each row shows variations from the other rows. The graves of the SW. row are carefully made with deep holes for fore and hind legs and high places to support the belly and neck. The graves of the next row are less carefully made, not so deep and, except in one case, lack the shelf to support the neck; this row is dated by inscribed objects to SHABAKO. The graves of the third row, though deep and well squared,

lack all interior supporting areas for belly or neck; they are dated by inscribed objects to SHEBITKU. Finally the graves of the NE. row, while similar to those of SHEBITKU, are oval in form and more roughly cut.

Although the graves of the SW. and NE. rows yielded no inscribed objects (they had been more heavily plundered than the two central rows), there seems no doubt, from the progressive degradation in form, that the order of dating is from SW. to NE., and that we have here graves of the chariot horses of Pt'ANKHY, SHABAKO, SHEBITKU, and TANWETAMANI, the four principal kings buried at El Kurru.

In every case where the remains of skeletons and objects retained some semblance of order it was clear

that the horses had been buried standing, heads NE., and that the objects had been concentrated at the head and neck of the animal. It is a curious fact, however, that in no case was a skull found, nor were there, except in one instance (Ku. 219), any traces of bits, bridles, or other harness of a practical kind. It seems certain, therefore, that the horses were decapitated before burial.

Some of the better preserved skeletal remains from these horse graves were sent to the Museum of Com-

parative Zoölogy at Harvard for examination. Their report³ stated that the skeletal character of these horses was similar to that of animals now living in Europe and America, except that their lines were a little more delicate, amounting to a few millimeters in length of shaft of the longer limb bones. This finding appears consistent with the opinion published by G. A. Reisner in *Sudan Notes and Records*, II, No. 4, where on p. 253 he said "the horse was clearly of a short, rather small breed, not unlike the Arab."

Ku. 201. (3) Fig. 37a. Horse of SHABAKO.

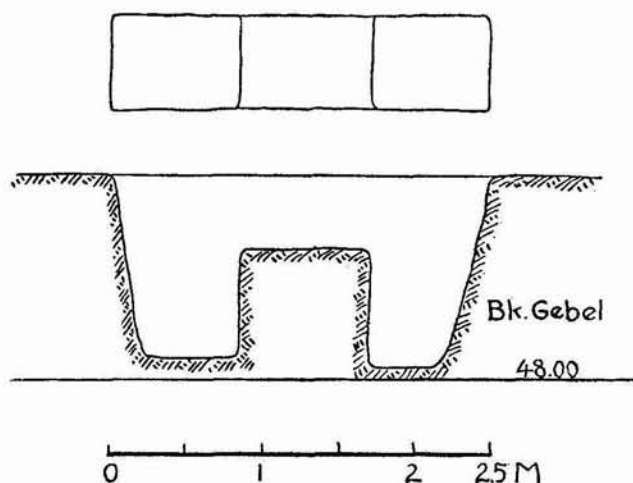


Figure 37a

GRAVE	Rectangular, head NE. Central belly support.
BURIAL	Plundered; few disturbed bones and teeth.
OBJECTS	All in debris at head end of grave. 19-3-687 to 693, 705 to 719, 19-4-31 to 35.

- 19-3-687, 706, 717, 19-4-32 Blue fai. ring beads as shown in reconstruction on Pl. LXVII.C.
 688 Fifteen blue fai. flower pendants as shown in reconstruction on Pl. LXVII.C.
 689 Six yellow fai. flower pendants like 688.
 690, 719 Five silver flower pendants like 688.
 691, 713 Forty-three blue, yellow, and red

fai. ball beads; some shown in reconstruction on Pl. LXVII.C.

19-3-692, 716 Two silver Hathor heads and frags. of 4 more (like 19-4-40 from Ku. 203, below, cf. Pl. LXIX.B).

705 Decayed yellow fai. decorated bead or terminal. Fig. 37b.

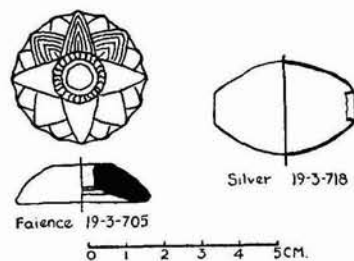


Figure 37b

³ In a letter to the writer dated August 9, 1941, and signed by G. M. Allen.

- 19-3-707, 708 Two blue fai. cartouches; one shown in reconstruction on Pl. LXVII.C.
 709 to 712 About 25 blue fai. Hathor heads of two slightly varying types; shown in reconstruction on Pl. LXVII.C.
 718 Frags. of one hollow silver barrel bead. Fig. 37b.

N.B. The photograph Pl. LXVII.C. suggests the type of object believed by the excavator to have been in this grave, based on the position of the beads. It does not account for all the elements found and is neither definitive nor complete.

Ku. 203. (3) Fig. 38a. Horse of SHABAKO.

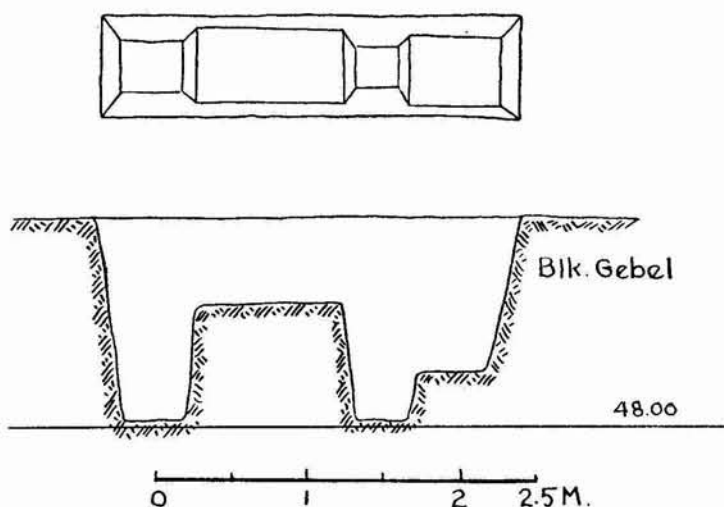


Figure 38a

- GRAVE Rectangular. Holes for fore and hind legs, belly support and low neck support. Pl. XXVIII.A.
 BURIAL Plundered. Few frags. of bones.
 OBJECTS All in debris at head end; 19-4-37 to 43.

19-4-37 Over 100 blue fai. Hathor heads like those from Ku. 201 (19-3-709 to 712, above), but some have 2 horizontal stringing holes instead of one vertical hole. Pl. LXIX.B.

39 Blue, white, and red fai. ring beads. Pl. LXIX.B.

40 Twelve silver Hathor heads. Pl. LXIX.B.

41 Three silver imitation cowrie shells. Pl. LXIX.B.

19-4-42 Six blue fai. ball beads and 1 blue fai. ribbed bead. Fig. 38b.

43 Frag. of 1 blue fai. flower pendant like 19-3-688 and 689 (from Ku. 201, above. Cf. Pl. LXVII.C).



Faience 19-4-42

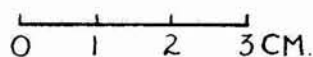


Figure 38b

Ku. 209. (4) Fig. 39. Horse of SHEBITKU.

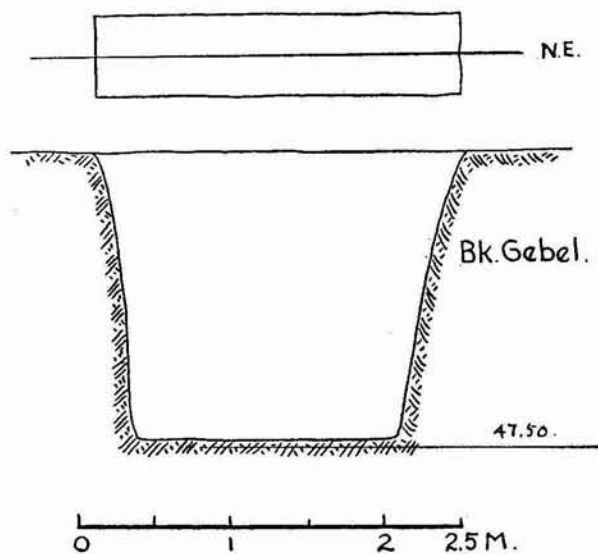


Figure 39

- | | | | |
|---------|---|--|--|
| GRAVE | Deep, rectangular, without internal supports. | | |
| BURIAL | Skeleton <i>ca.</i> intact, but lacking head. Pl. XXVIII.B. | | |
| OBJECTS | In position at head end: Pl. XXVIII.C-D; at least 5 necklaces as marked; 19-4-71 to 86. | | |
-
- | | | | |
|---------|---|----------|---|
| 19-4-71 | Necklace #4. 14 blue and yellow fai. cartouches of SHEBITKU (alternately <i>Dd-K3(w)-r'</i> and <i>Mn-hpr-r'</i> , 14 in position, strung as shown. Pl. LXVIII.A 2. | 19-4-75 | Large quantity of fai. ring beads, lying so as to suggest a net pattern (<i>cf.</i> 19-4-78, below). Pl. LXVIII.B 6. |
| 72 | Necklace #1. Fai. Udjat eyes and cut cowrie shells in original order. Pl. LXVIII. B 1. | 77 | Large hollow gilded silver Udjat eye. |
| 73 | Necklace #3. 28 blue fai. flower pendants between groups of fai. ring beads. In original order. Pl. LXVIII.A 3. | 78 | Frgs. of silver collar band with holes along one edge, possibly for attachment of net (<i>cf.</i> 19-4-75, above). Pl. LXXI.E. |
| 74 | Necklace #2. 36 blue fai. Udjat eyes with a fai. ball bead dec. with dots and | 79 | Blue fai. openwork barrel bead; Udjat eye. Pl. LXVIII.B 4/3. |
| | circles at each end. Original order. Pl. LXVIII.B 2. | 80 | Two blue fai. ball beads dec. with alternating Udjat eyes and 'nh signs in black. Pl. LXVIII.B 4/1-2. |
| | | 81 to 83 | Misc. ball beads of hollow gold and fai. Pl. LXVIII.B 3/1-2; 5/1-2. |
| | | 85 | Necklace #5. Twelve heavy bronze ball beads originally strung at intervals on a thick fiber cord. Pl. LXVIII.A 1. |

Ku. 210. (4) Horse of SHEBITKU.

- | | | | |
|---------|---|--|--|
| GRAVE | Like Ku. 209. | | |
| BURIAL | Skeleton in position as in Ku. 209. Pl. XXIX.A. | | |
| OBJECTS | 19-4-87 to 97. | | |
-
- | | | | |
|---------|--|---------|--|
| 19-4-87 | String of 36 blue fai. Udjat eyes like 19-4-74 (Ku. 209). | 19-4-90 | Large bronze ball beads strung on fiber as 19-4-85 (Ku. 209). |
| 88 | String of blue fai. Udjat eyes and cut cowrie shells like 19-4-72 (Ku. 209). | 91 | Blue fai. cartouche <i>Mn-hpr-r'</i> . |
| 89 | Large quantity of fai. ring beads like 19-4-75 (Ku. 209). | 93 | Blue fai. flower pendant. |
| | | 94 | Two gold ball beads like 19-4-83 (Ku. 209). |
| | | 96 | Blue fai. beads like 19-4-42 (Ku. 203), ball beads like terminals in 19-4-74 (Ku. 209), openwork Udjat eye like 19-4-79 (Ku. 209), and decorated beads like 19-4-80 (Ku. 209). |

Ku. 211. (4) Horse of SHEBITKU.

- GRAVE Like Ku. 209.
- BURIAL Horse skeleton without head as in Ku. 209, 210.
- OBJECTS At head end; some in place. Pl. XXIX.B; 19-4-98 to 109.
- 19-4-99 Two hollow gold ball beads like 19-4-83 (Ku. 209).
- 100 String of fai. Udjat eyes like 19-4-74 (Ku. 209).
- 101 String of fai. cartouches like 19-4-71 (Ku. 209).

- 19-4-102 String of Udjat eyes and cowries like 19-4-72 (Ku. 209).
- 103 Two blue fai. ball beads dec. with dots and circles like 19-4-74 (Ku. 209).
- 104 Four fai. beads and amulets; types of 19-4-74, 79 and 80 (all from Ku. 209).
- 106 Necklace like Ku. 209, #3. (19-4-73).
- 107 Frags. of sheet silver collar like 19-4-78 (Ku. 209).
- 108 Necklace like Ku. 209, #5. (19-4-85).
- 109 Quantity fai. ring beads, apparently forming a net.

Ku. 212. (4) Fig. 40. Horse of SHEBITKU.

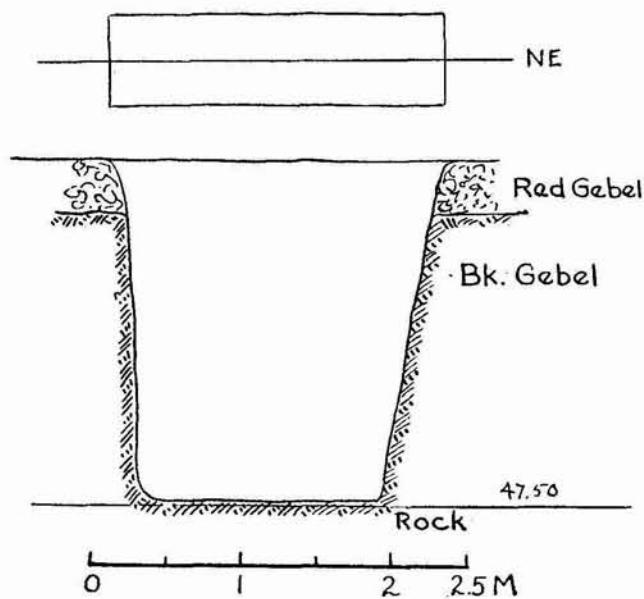
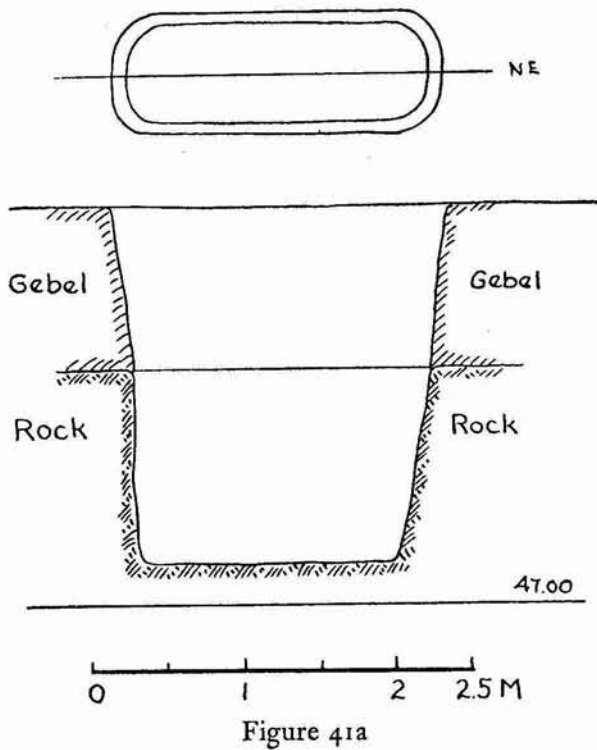


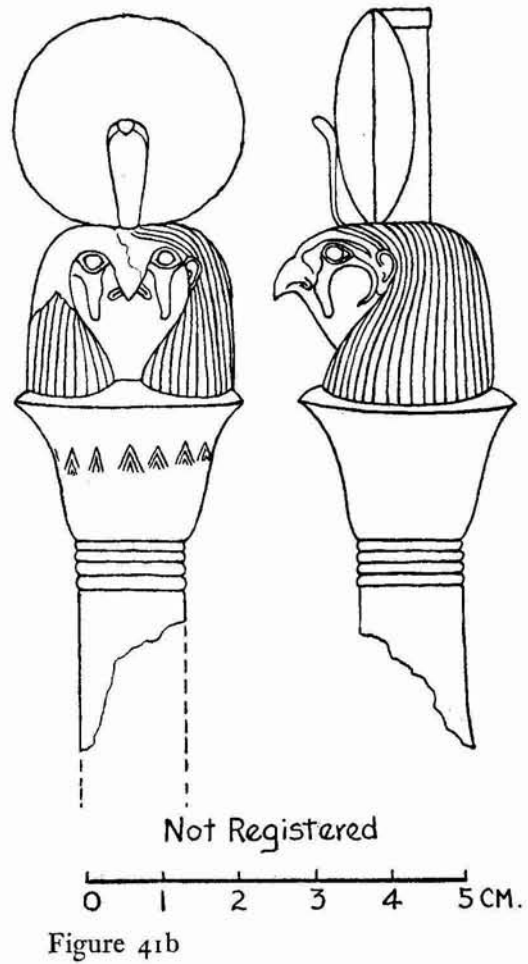
Figure 40

- GRAVE Like Ku. 209.
- BURIAL Horse skeleton without head as in Ku. 209.
- OBJECTS At head end; some in position. Pl. XXIX.C-D; 19-4-57 to 62.
- 19-4-57 Necklace of fai. flower pendants and ring beads. Pl. XXIX.C, Pl. LXIX.A 2.
- 58 Five fai. openwork Udjat barrel beads. Pl. LXIX.A 4.
- 59 Twelve large bronze ball beads strung at intervals on fiber cord. Pl. XXIX.D, Pl. LXIX.A 3.
- 60 Twelve cowrie shells with cut backs; order not recovered. Pl. XXIX.D, Pl. LXIX.A 1.
- 62 Fai. ring beads, apparently forming a net. Pl. XXIX.C-D.

Ku. 219. (6) Fig. 41a. Horse of TANWETAMANI.



- GRAVE Pit with rounded ends, head NE., no internal supports.
- BURIAL Horse skeleton without head; disturbed.
- OBJECTS In debris near head end; 19-4-119 and one unregistered object.
- 19-4-119 *a.* One blue fai. Udjat eye.
b. One blue fai. ball bead.
 Not registered. Remains of a gold plume carrier in the form of a hawk's head. Fig. 41b.



Ku. 220. (6) Fig. 42. Horse of TANWETAMANI.

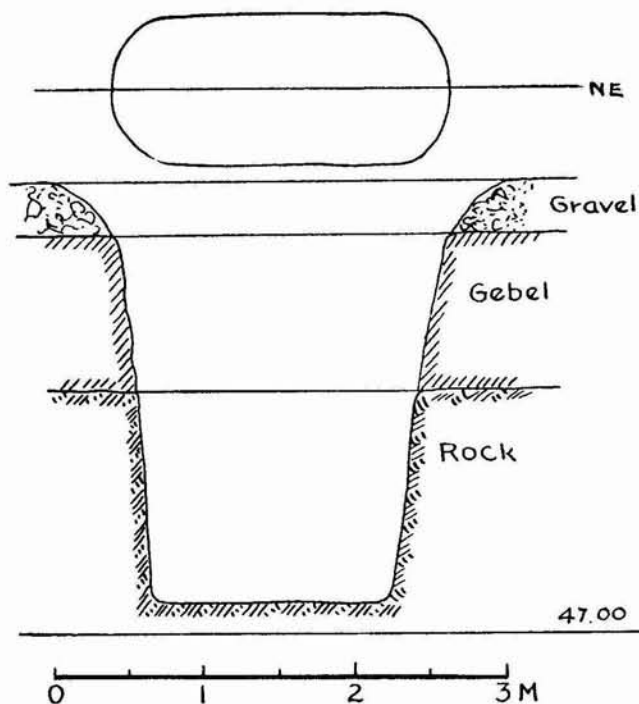


Figure 42

- GRAVE Pit with rounded ends, similar to Ku. 219.
- BURIAL Scattered horse bones at head end.
- OBJECTS In debris; 19-4-121, 131 to 133.
- 19-4-121 One blue fai. Udjat eye.
- 132 A few blue fai. ring beads.
- 133 One cowrie shell.

Ku. 221. (2) Fig. 43. Horse of Pr'ANKHY.

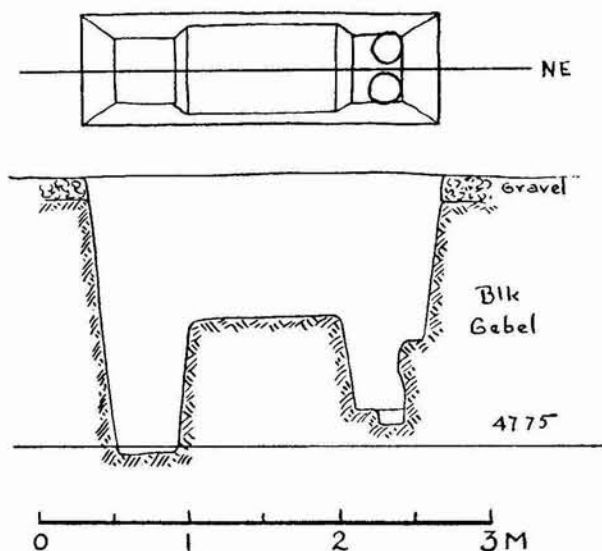


Figure 43

- GRAVE Rectangular pit, head NE., with sinkage for hind legs and individual holes for each forefoot. Belly support and very short neck support.
- BURIAL Completely plundered out.
- OBJECTS None.

Ku. 222. (2) Fig. 44a. Horse of Pr'ANKHY.

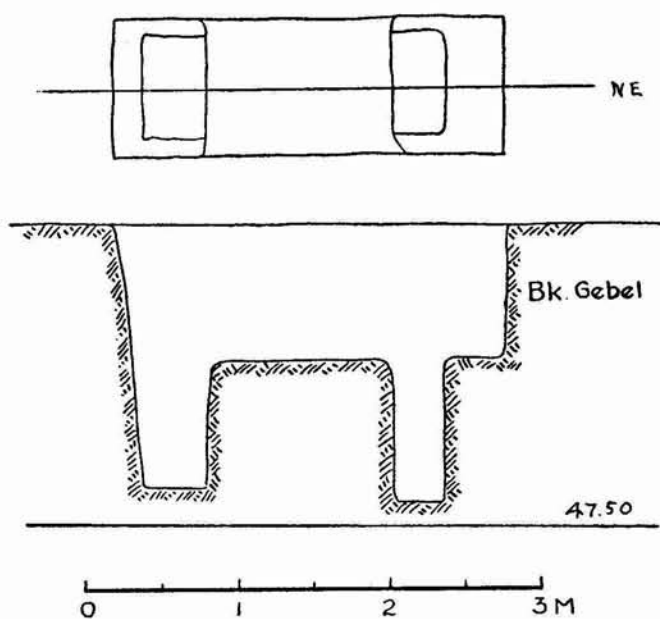
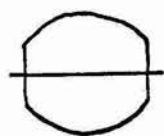


Figure 44a

- | | |
|---------|---|
| GRAVE | Rectangular pit with deep holes for fore and hind legs. Belly and neck supports. Head NE. |
| BURIAL | Horse skeleton partly preserved but disturbed. |
| OBJECTS | Disturbed in debris at head end; 19-4-122 to 127. |
- 19-4-122 Frags. of twisted fiber cord.
 - 123 Frags. of matting; right angle cross-weave with looped edging: traces fine cloth adhering.
 - 124 Many blue fai. ring beads.
 - 125 Two hollow gilded silver barrel beads. Fig. 44b.
 - 126 Decayed frags. of a gilded silver hollow Udjat eye.



Silver 19-4-125

0 1 2 3 CM.

Figure 44b

THE ANATOMICAL MATERIAL

The skeletal material recovered from the tombs at El Kurru was disappointingly scanty and fragmentary. The complete list of the human remains follows.

Ku. Tum. 1.	(A)	19-3-399	A few bones of the original burial.
Ku. Tum. 2.	(D)	19-3-392	Skull and incomplete skeleton of the original burial.
Ku. Tum. 4.	(A)	19-3-536	A few decayed bones, probably from the original burial.
Ku. 11.	(D)	19-3-673, 677	Skull and some bones of the original burial.
Ku. 13.	(C)	19-3-273	Fragments of human bone from the enclosure. Intrusive?
Ku. 16.	(6)	19-3-304, 305	Skull and bones of an intrusive female burial.
Ku. 17.	(2)	19-2-436, 19-3-250, 257	Fragment of a skull and apparently female bones. Intrusive?
Ku. 18.	(4)	19-2-228, 19-3-770	Skull and a few scattered bones from thieves' debris at doorway and in chambers, probably from plundering of the burial of SHEBITKU.
		19-3-835	Bones of approximately six intrusive burials in upper part of B.
Ku. 71.	(3)	19-3-1497	Bones, probably from the original burial, in chamber debris.

The definitely intrusive burials in Ku. 16 and Ku. 18 appear to be contemporary with the general plundering of the site in late Meroitic to Christian times: *ca.* A.D. 300-700.

This material was sent to the Peabody Museum of Harvard University for study in the summer of 1941. In November 1942 Miss Alice M. Brues of the Peabody Museum reported as follows:

"The fragments of the skull of King Shebitku (19-2-228) were in an extremely friable condition when received, but fortunately even the very small fragments had been carefully collected, so that it was possible after much labor to reconstruct the skull and make measurements on it. It was small and not prominently marked for muscular attachments; its sex would have been considered doubtful if the personal identification were not known. Of the identification there appears to be little doubt. Much difficulty was experienced in the reconstruction because of the implausible outline of the nasal root. A considerable part of this region was lacking, and had to be interpolated. The way in which the surrounding parts developed as reconstruction progressed made it very difficult to restore the missing part in a convincing way. Attention was not called to the existence of portraits of King Shebitku till after the reconstruction was completed. Comparison with one of these showed that the peculiarity in this region was a genuine one, and constituted a good mark of personal identification.

"The two female skulls assigned to the ancestral period (19-3-392 and 19-3-673) are similar in type to King Shebitku, and so similar to one another that at one time during the reconstruction an assistant was found to have attached the right half of the face of one to

the left half of the other, though the measurements differed slightly. The morphological details of the two faces are so similar that the error escaped casual observation for some time. They may have been members of the same family or clan; certainly at least of the same well-defined local type.

"All three of these skulls fit into the so-called Predynastic Egyptian type, the basic white stock of Egypt, where, in early periods, it is classically exemplified. In the dynastic period it was considerably modified in Egypt itself; but it is quite in accord with expectation to find the older form in a peripheral area at a later date. There is no sign that it had been touched by any negroid influence in the case of these individuals of the ancestral period; though they lack some of the extreme 'white' characteristics of North European groups, they are in this respect no different from typical Predynastics, among whom, to cite one trait, the nasal root is apt to be rounded rather than pinched as in European types. No prognathism, which would be an expected indication of negroid admixture, is evident in these 'ancestors.' Any difference between them and contemporary groups further down the Nile must be attributed to isolation rather than admixture."

INTRUSIVE BURIALS — *ca.* A. D. 300-700.

"The intrusive burials comprise three good skulls, part of a face and cranial vault, well preserved, and parts of a number of incomplete skeletons, in good condition (19-3-304, 305, 835). These skulls are radically different in type from those described above. They show a variable and unstabilized mixture between a negro group and a white type totally different from the classic Mediterranean as exemplified by the Egyptians and by the skulls of the ancestral period. One of them, the least negroid, is distinguished by extremely low orbits and a broad, rugged face. It represents a survival, unexpectedly good for such a late date, of the so-called Afalou type of North Africa, which dates from the Upper Palaeolithic and is most nearly related to Cro-Magnon of Europe. This skull shows no prognathism, though traces of negroid admixture are seen in the morphological details of the nose. The remaining three are strongly prognathous and of predominantly negro type, the non-negro features erratically appearing. In two cases the coarse muscularity indicates that the white strain is of the type indicated by the skull described above. The third, less muscular, and having orbits unusually high (an extreme contrast to the Afalou-like cranium) may carry also a white strain of more Mediterranean type. The origin of this group would seem to lie somewhere in the Sahara region, where the old white type of North Africa was more or less unaffected by the spread of small Mediterraneans from the east, and had the opportunity of meeting and mingling with negros from the south. The disharmonic combinations of features indicate that the blend was not old; the two groups must have been on the move almost as soon as they joined forces.

"The intrusive burials give evidence of a fairly hazardous life. The skull referred to above as of Afalou type shows an old depressed fracture of the frontal bone, the relic of a violent blow on the head. Another of the skeletons shows extensive periostitis of the leg bones, and a bending of the humerus probably due to a greenstick fracture. In this case the injury which broke the humerus probably afforded access to the infection which settled in the legs. The tibiae from this lot of skeletons are peculiar; in most cases markedly flattened, and in one instance showing an unusual bowing and torsion. Characteristic also is the unusual development of the ridge delimiting the attachment of the popliteus muscle, which has the ordinarily minor function of rotating the tibia inward and resisting forces tending to rotate it outward. This peculiarity might be the result of horseback riding, if this practice was common in the group. The lack of any skeletal collections of groups known to have equestrian habits makes it impossible to verify this suggestion. Certainly the living bone would be expected to respond in some characteristic way to such an abnormal use of the leg, with its unusual stresses on the knee-joint. Some evidence of the possibly aggressive character of this group might be inferred from the fact that all the remains in the intrusive burials are those of males, though admittedly the sampling is a small one."

CHAPTER III

The Evolution of the Kushite Tomb

CHARTS I AND II

A comparative study of the tombs in the six royal cemeteries at Kurru, Nuri, Barkal, Meroë South, Meroë North, and Meroë West reveals a clear evolutionary development of their forms throughout the period; a development which, as would be anticipated, was particularly rapid in the ancestral and early Napatan periods when to growth in power and wealth was added the stimulus of intimate contact with Egyptian ideas and customs resulting from the conquest of that country. In its main lines, and in some aspects in considerable detail, this development had been worked out by Reisner.¹ The charts on pages 123 and 129 are an attempt by the writer to complete, amplify, and at the same time simplify, this information and to present it in visual and chronological form.

At the top of the charts the chronological scale conforms to the system explained in Chapter I of this volume under Dating (p. 2). The heavy *black lines* represent the tombs of *kings* (and of reigning queens in generations (36), (43), (57) and (64)). The heavy *zig-zag lines* represent the tombs of *queens* and *princes* who were not rulers, as well as the tombs of the *ancestors* preceding Kashta (generations (A) to (E)). The *heavy dotted lines* represent the tombs of minor members of the royal family or of *private* individuals buried in the royal cemeteries. The *light dotted lines* represent probable continuations of the above symbols for which there is no certain evidence; for instance: where a tomb can be dated only within a range of several generations, the heavy symbol is given for its earliest date and the light dotted line continues it to the end of its range.

SUPERSTRUCTURES (CHART I)

The superstructures are divided into thirteen types.

1. *Simple circular gravel mound, pebble- or rubble-pitched, covering the grave.* An old Nubian form of monument as found in C-Group burials in Lower Nubia and at

¹ For El Kurru in *Sudan Notes and Records*, vol. II (1919), No. 4, pp. 237-254; for Nuri in *Harvard African Studies*, II (1919), 1-64; for the North and South Cemeteries at Meroë in *Journal of Egyptian Archaeology*, IX (1923), 34-77.

Kerma in the Middle Kingdom. Represented in ancestral tombs at Kurru, but probably continuing to be used locally for modest private burials throughout the Meroitic period (see Ku. 101), and revived as the main form at Gammali, Ballana, Qustul, and perhaps Tangassi and Zuma during the X-Group period of post-Meroitic date. In ancestral tombs at (A) and possibly (B).

- II. *Developed out of type I by the addition of a masonry facing.* In ancestral tombs at (B) only.
- III. *A further development by the enclosing of type I or II within a square masonry mastaba.* In ancestral tombs at (C) only.
- IV. *Square masonry mastaba without enclosed mound.* In ancestral tombs from (C) to (E); in Ku. 8, the presumed tomb of Kashta (1); in queens' tombs at (1) and (2); in private tombs from (2) to (6).
- V. *True pyramid of masonry with smoothly sloping faces.* The first superstructure of this type is presumed to have been Ku. 17, the tomb of Pi'ankhy (2), and to have had a smooth face, as did all those of kings previous to Taharqa (5), Nuri 1. Indeed there is good reason to believe, as I expect to show when dealing with the tombs at Nuri, that the first version of that king's tomb was a pyramid of this type. In queens' tombs at (5) and (8); not found in private tombs before (30) at Meroë. Presumably introduced into Kush by Pi'ankhy as a result of his Egyptian contacts, the form seems to have been restricted to the use of kings and queens throughout the Napatan period.
- VI. *Square mastaba of stone-rubble or brick.* In private tombs only, normal from (2) to (40) or possibly to (50).
- VII. *Masonry superstructure with stepped courses having slightly battered risers, with plain corners, and resting on a projecting foundation course; of pyramidal form for kings and queens; of mastaba form for private tombs.* In kings' tombs from (5) to (8) at Nuri, from (28) to (34) and (44) to (48) at Meroë, in queens' tombs occasionally from (5) to (42) or possibly to (45); in private tombs also occasionally, but not noted earlier than (9).
- VIII. *A small and short-lived type, apparently only of mastaba form, characterized by a facing of stone slabs against the outer face of the stepped structure; presumably a cheap imitation of the surface appearance of type V.* In one queen's tomb at (9-10); in private tombs from (8) to (10) or possibly to (12).
- IX. *Like type VII but with the addition of a vertical faced plinth course between foundation course and first battered stepped course.* In kings' tombs universal from (9) through (27); in queens' tombs nearly universal from (10) through (27) and there-

CHART I

SUPERSTRUCTURES			A	B	C	D	E	I	5	10'	15	20	25	30	35	40	45	50	55	60	65	
I	CIRCULAR GRAVEL MOUND																					
II	CIRCULAR GRAVEL MOUND RUBBLE PITCHED, STONE FACED																					
III	MASONRY MASTABA ENCAS- ING RUBBLE PITCHED MOUND																					
IV	MASONRY MASTABA RUBBLE FILLED																					
V	MASONRY PYRAMID SMOOTH FACED																					
VI	MASTABA, RUBBLE or BRICK																					
VII	STEPPED MASONRY PYRAMID or MASTABA, NO PLINTH COURSE																					
VIII	MASTABA FACED WITH LEANING SLABS																					
IX	STEPPED MASONRY PYRAMID or MASTABA, PLINTH COURSE																					
X	STEPPED PYRAMID WITH MOLDED CORNERS																					
XI	SMOOTH FACED MASONRY PYRAMID, LATE TYPE																					
XII	BRICK or RUBBLE PYRAMID on BRICK or RUBBLE PLATFORM																					
XIII	RUBBLE PYRAMID																					
ENCLOSURES			A	B	C	D	E	I	5	10'	15	20	25	30	35	40	45	50	55	60	65	
I	HORSESHOE																					
II	PLAIN																					
III	RE-ENTRANT																					
IV	OPEN FRONT																					
V	VESTIGIAL																					
CHAPELS			A	B	C	D	E	I	5	10'	15	20	25	30	35	40	45	50	55	60	65	
I	MUD-BRICK																					
II	PLAIN, MASONRY																					
III	MASONRY, RECESSED DOOR																					
IV	PYLON and RECESSED DOOR MASONRY or BRICK																					
V	SIMPLIFIED PYLON MASONRY, RUBBLE or BRICK																					
VI	OPEN FRONT MASONRY, RUBBLE or BRICK																					
VII	MASONRY-LINED BRICK WITH PYLON																					
ACCESS to BURIAL PLACE			A	B	C	D	E	I	5	10'	15	20	25	30	35	40	45	50	55	60	65	
I	DIRECT, FROM ABOVE																					
II	ENTRANCE PIT																					
III	STAIR THROUGH TUNNEL																					
IV	STAIR FRONT OF CHAPEL																					
V	STAIR UNDER CHAPEL																					
VI	STAIR UNDER SUPERSTRUCTURE																					

after occasionally to (36) or possibly to (43); in private tombs of mastaba form from (15) to (26) or (27).

- x. *Like type IX but with a distinctive molded corner, a smooth-faced sloping band framing each corner. Where the upper parts of these buildings are preserved they become round moldings for approximately the upper quarter of the building. At Barkal and Meroë only. In all kings' tombs from (35) to (43); in queens' tombs from (35) to (45); no recorded private examples.*
- xi. *A smooth-faced pyramid without plinth course, differing from type v in the small size of the facing blocks, which are applied to the surface of the poorly constructed core rather than being properly laid in well-footed courses. In kings' tombs at (49) and (56); in queens' tombs at (45) and (49); in private tombs from (30) to (40) or possibly to (55).*
- xii. *Smooth-faced pyramid resting on a mastaba-like platform. Built of either rubble or brick and originally plastered. In kings' tombs from (50) to (63); in queens' tombs occasionally from (40) to (59) or (60); in private tombs from (40) to (50) or possibly to (65).*
- xiii. *Smooth-faced rubble pyramid without plinth or platform, probably originally plastered. In two kings' tombs at (64) and (65); in two queens' tombs at (53) and (58); no private tomb examples.*

ENCLOSURES

The Kushite tomb superstructure was normally contained within an enclosure formed by a masonry wall. As these walls have suffered greatly from denudation and stone thieving they have often entirely disappeared or are so imperfectly preserved as to make their reconstruction doubtful. In no case could their original height be ascertained. They appear to fall into five types.

- i. *Horseshoe shaped stone enclosure, in conjunction with superstructures of types I and II only. In ancestral tombs at (B) only.*
- ii. *Plain rectangular masonry enclosure around superstructure and chapel. In ancestral tombs at (C) and (D); in kings' tombs at (1), (2), (4), (7), (8), (18), and (20); in queens' tombs from (5) to (24), (35) to (45) or possibly (50); in private tombs from (10) to (20) or possibly (30).*
- iii. *Rectangular masonry enclosure with re-entrant angles which render the space in front narrower than the superstructure while still enclosing the chapel. Almost exclusive to kings' tombs from (5) to (27); one doubtful example in queen's tomb at (36-50).*

- iv. *Open-front enclosures in which the east face of superstructure and the chapel are exposed, the wall enclosing only the sides and back of the superstructure proper.* In private tombs from (40) to (50) or possibly (60).
- v. *Vestigial enclosure consisting of short spur walls extending out from the corners of the superstructure so as to embrace the chapel.* In one of the two examples this wall was carried around the superstructure on the north, west, and south, and in contact with it. Associated with superstructures of type XIII. In two kings' pyramids at (64) and (65) only.

CHAPELS

With the exception of one late and abnormal tomb at Meroë all tombs in the Kushite royal cemeteries appear to have been provided with chapels built externally against their east faces, the superstructures themselves being without internal chambers. The majority of these chapels were of sandstone masonry. They fall into seven types.

- i. *Two parallel mud brick walls without preserved entrance doorway, though such may once have existed.* In ancestral tomb at (B); in private tombs at (2) and (9-12).
- ii. *Plain masonry chapel with simple doorway.* In ancestral tombs at (C) and (D); in queens' tombs at (1) and possibly (2); in private tombs at (9), (15), and (22) or possibly (25).
- iii. *Masonry chapel with recessed doorway, a widening of the opening on the inside to receive the two leaves of the double doors when thrown open.* Occasionally in kings' tombs at (1), (12), (13), (15), and (22), and possibly also at (11), (14), and (18); commonly in queens' tombs from (5) to (26); in private tombs at (8), (11), and (18-20).
- iv. *Chapels with recessed doorways like type III and with east front widened into a pylon.* In kings' tombs normally from (9) to (60); in queens' tombs normally from (24) to (50) or possibly (60); not found in private tombs. All are of masonry except one queen's chapel at Meroë at (40).
- v. *Simplified pylon chapel like type IV, but without recessed doorway.* In private tombs only, occasionally from (18) to (45) or possibly (60). Built of masonry, rubble, or brick.
- vi. *Open-front chapels without eastern closure, but with extensions outward at the east end as if to represent a vestigial pylon.* Twice in queens' tombs at (36) and (40-50), the latter of brick; in private tombs occasionally at (20), (26), (30), (40), (45), and (50), of masonry, rubble, or brick; doubtfully in one king's tomb at (31).

- vii. *A few simplified pylon chapels like type v, but made of burnt brick lined with masonry. In kings' tombs only from (53) to (65).*

ACCESS TO BURIAL PLACE

This classification is concerned with the manner in which the subterranean burial place was reached at the time of burial, and determines whether the superstructure was, or could have been, built before burial, or had of necessity to be constructed after interment had taken place. They fall into six types.

- i. *Direct access from above.* Open-pit graves and side-chamber burials of the early period. In ancestral tombs from (A) to (E); in one king's tomb at (1) (Ku. 8, Kashta?); in queens' tombs from (1) to (3); in private graves at Meroë from (1) to (12).
- ii. *Pits with doorway on west leading to a rock-cut burial chamber, the pit being roofed after burial.* In one queen's tomb (Ku. 53) at (2); in private tombs at (9), (10-15), and (18-20).
- iii. *Access by stair leading through a rock-cut tunnel to a burial chamber roofed, in the earlier of the two cases, with masonry corbel; the first stairway tombs in which burial could have been made after construction of the superstructure.* In two kings' tombs only: Ku. 17 of Pi'ankhy (2) and Ku. 15 of Shabako (3). In Ku. 17 the chapel at least must have been built after burial as it stood over the stair cutting.
- iv. *Access by stair, the west end of which lay beyond the chapel so that both superstructure and chapel could have been built before burial.* In kings' tombs from (4) to (54) with but one certain exception at (48); in the majority of queens' tombs from (5) to (49) or possibly (56); in private tombs from (18) to (50) or possibly (65).
- v. *Access by stair extending to east face of superstructure, so that the chapel had to be built over the filled stair cutting after burial.* In king's tomb Nuri 1 (Taharqa) (5), but I shall endeavor to show that, as originally planned, it belonged to type iv; exceptionally in queens' tombs from (7) to (43) or possibly (48); normally in private tombs from (9) to (45) or possibly (65).
- vi. *Access by stair under superstructure, the latter being built after burial on top of the filled stair cutting.* Probably universal for kings' tombs from (55) to (65); common in queens' tombs from (40) to (59) or (60); occasionally in private tombs from (9) to (65).

EVOLUTION OF THE KUSHITE TOMB

ENTRANCE DOORWAYS (CHART II)

Entrance doorways to the underground chambers are of four types.

- I. *Plain doorways, usually round-topped and narrower than the base of the stair cutting, the sill of the doorway being not lower than the landing outside at base of stair.* In kings' tombs from (2) to (8), (20) to (22), (24), (26), (33), (36) to (44), (46), (49) to (57), (61) to (63); in queens' tombs from (3) to (9), (11), (23) to (26), (30) to (58) or (60); in private tombs occasionally from (18) to (55) or possibly (65).
- II. *Doorways with sunk landing, similar to type I but with floor of doorway sunk below the level of the stair landing by means of a step down of the same width as the doorway.* In kings' tombs once only at (30) (Meroë, S. 10); commonly in queens' tombs from (6) to (12) and with only two later examples at (23) and (53); in private tombs once at (15), common from (18) to (27), once each at (30-40) and (40-50).
- III. *Doorways embellished with a cornice and framing moldings.* In kings' tombs universally from (9) to (19), (27) to (32), (34), and (35); in queens' tombs at (5), (8), (10), (12) to (19), (21), (27) to (29), and (35); none in private tombs.
- IV. *Drop type. Small low doorway, usually set at an angle instead of vertically, and giving on a deep drop to chamber floor.* Not found in kings' tombs and rare elsewhere. In queens' tombs at (28) (doubtful) and from (42) to (45) or possibly (48); in private tombs occasionally from (30) to (45) or possibly (65).

DOOR BLOCKING

The method of sealing the entrances to burial chambers. The evidence is necessarily incomplete since the blockings had often entirely disappeared. Six types.

- I. *Mud brick or rubble wall sealing side chamber graves.* In ancestral tombs at (C) and (D) only.
- II. *Masonry blocking laid in courses between the jambs of entrance doorways.* In kings' tombs at (2), (4), and frequently from (13) to (39); in queens' tombs frequently from (2) to (30); in private tombs at (17), (18), (22), and possibly to (30).
- III. *Masonry blocking laid outside doorway to full width of stair cutting, often with supplementary blocking behind it between jambs of doorway.* There are probably some cases in which type II is simply type III with its outer block destroyed, but in the main the two appear to be distinguishable as separate types. In kings' tombs at (3), universally from (6) to (12), at (14), (16), (17), and occasionally from (36) to (48); in queens' tombs at (3), (5) to (12), (15), (16), (19), and again frequently from (40) to (45) or possibly (50); in private tombs at (18-24) and (40-55).

- iv. *Rough rubble blocking in front of doorway to full width of cutting.* In poorer kings' tombs at (20), (28), (34), (40), (42) to (44), and (46); in queens' tombs at (8), (13), (18), (40) to (50) or possibly (56); in private tombs at (10), (15), frequently from (18) to (30), thereafter occasionally perhaps to (65).
- v. *Brick blocking of two kinds; laid in horizontal courses or on the bias in sloping courses to full width of stair cutting in front of doorway.* In kings' tombs from (29) to (32) only; in queens' tombs from (27) to (29) only; in private tombs at (9-11) and occasionally from (18) to (45) or possibly (65).
- vi. *Stone slab blocking in which the closure is made by two or three stone slabs placed vertically side by side in front of doorway.* Apparently standard in kings' tombs from (49) to (65); twice only in queens' tombs at (31-32) and (36-42); in private tombs at (9-10), (18-19), and occasionally from (30) to (50) or possibly to (65).

BURIAL CHAMBERS

The forms of the burial chambers constitute one of the clearest lines of development. They may be divided into eight types.

- i. *Simple rectangular open pit graves oriented N.-S.* In ancestral tombs at (A) and (E) only.
 - ii. *Pit graves with undercut side chambers on west side, oriented N.-S.* In ancestral tombs from (A) to (D) only.
- N.B. Types I and II are the only ones with N.-S. orientation: with the reign of Kashta (1) the Egyptian E.-W. orientation came into use and appears thereafter to have been universal.
- iii. *Simple pit graves oriented E.-W.* One king's tomb at (1) (Ku. 8, Kashta?); in queens' tombs at (1) and (2); in private tombs at Meroë from (1) to (12).
 - iv. *Corbel-roofed burial chambers (with or without stairways).* Kings' tombs of Pi'ankhy (2) and Shebitku (4); queens' tombs at (2) and (3); no private tomb examples.
 - v. *Rock-cut burial chambers without internal supports, subdivided according to number of chambers.*
 - a. *Single chamber tombs.* One king's tomb at (45) (Beg. N.10) appears abnormal; in queens' tombs commonly from (2) to (12) and occasionally thereafter till (53); in private tombs normally from (10) to (30), occasionally from (30) to (50) or possibly (65).

CHART II

ENTRANCE DOORWAYS		A	B	C	D	E	1	5	10	15	20	25	30	35	40	45	50	55	60	65	
I	PLAIN, MOSTLY ROUND-TOPPED																				
II	SUNK LANDING																				
III	MOULDED WITH CORNICE																				
IV	DROP TYPE																				
DOOR BLOCKING		A	B	C	D	E	1	5	10	15	20	25	30	35	40	45	50	55	60	65	
I	BRICK or RUBBLE, SIDE-CHAMBER GRAVES																				
II	MASONRY, BETWEEN JAMBS																				
III	MASONRY, IN FRONT OF JAMBS																				
IV	RUBBLE, IN FRONT OF JAMBS																				
V	BRICK, IN FRONT, STRAIGHT or BIAS (B)																				
VI	STONE SLABS																				
BURIAL CHAMBERS		A	B	C	D	E	1	5	10	15	20	25	30	35	40	45	50	55	60	65	
I	SIMPLE PIT GRAVE, ORIENTED N-S																				
II	PIT and SIDE-CHAMBER, " "																				
III	PIT GRAVE, ORIENTED E-W																				
IV	SINGLE CHAMBER, CORBEL ROOFED, E-W																				
VA	ROCK-CUT, SINGLE CHAMBER																				
VB	" " , TWO " "																				
VC	" " , THREE " "																				
VI	PILLARED CHAMBERS, 2+3 ROOMS																				
VII	NICHED CHAMBERS, 2 ROOMS																				
VIII	DROP TYPE CHAMBERS, 1+2 ROOMS																				
CHAMBER VAULTING		A	B	C	D	E	1	5	10	15	20	25	30	35	40	45	50	55	60	65	
I	MASONRY CORBEL VAULT																				
II	ROCK-CUT, ROUNDED (ROUGH AFTER 40)																				
III	" " , FLATTENED																				
IV	" " , OFFSET at SPRING																				
NICHERS IN BURIAL CHAMBER		A	B	C	D	E	1	5	10	15	20	25	30	35	40	45	50	55	60	65	
I	MULTIPLE; NORTH, SOUTH, and WEST																				
II	LOW, WEST																				
III	MEDIUM, WEST																				
IV	HIGH, WEST																				
V	ANTHROPOID TYPE, WEST																				
METHODS OF BURIAL		A	B	C	D	E	1	5	10	15	20	25	30	35	40	45	50	55	60	65	
I	BED WITH LEGS IN TRENCHES																				
II	" " " " HOLES																				
III	" ON BENCH																				
IV	COFFIN BENCH, FREE-STANDING A on axis, S south of axis, N north of axis																				
V	COFFIN BENCH, ATTACHED AT SOUTH																				
VI	" " , " " WEST, AXIAL																				
VII	" " , " " NORTH																				
VIII	STONE SARCOPHAGUS																				
IX	WOOD BOX COFFIN A on axis, N against north wall, W at west oriented N-S																				
X	WOOD ANTHROPOID COFFIN																				

- b. Two chamber tombs.* In kings' tombs at (3), (5) to (7), (22), (30), and (31); in queens' tombs commonly from (5) to (30); in only two private tombs at (45-50) and (50-55).
- c. Three chamber tombs.* In kings' tombs only at Nuri and Meroë from (8) to (32).
- VI. *Multi-chambered tombs with roofs supported by free-standing, usually rock-cut, square pillars.* In kings' tombs standard from (32) to (39) with 3 chambers; in two queens' tombs at (35); no private tombs.
- VII. *Multi-chambered tombs, usually with two chambers, the larger of which has its roof supported by attached rock piers alternating with deep niches at either side:* a method of enlarging the chamber without dangerous widening of the unsupported roof span. Evolved from type VI as a cheaper method of accomplishing the desired result. In kings' tombs universally from (39) to (48); in queens' tombs from (40) to (44) or possibly (50); in private tombs from (40) to (45) or possibly (52).
- VIII. *Drop type chambers; the characteristic late form found only at Meroë.* This type, whether single- or multi-chambered, is differentiated from the previous classes by having a deep drop between entrance and floor of chamber. The doorway is usually sloped back in profile; the chamber is roughly excavated and of oval form. It appears that this latest type of chamber, originating in the careless and rough excavation of private tombs, was adopted first for queens' tombs and finally, with the progressive degradation of late Meroitic civilization, for those of kings. In kings' tombs (normally with two chambers) universally from (49) to (65); in queens' tombs (both one- and two-chambered) commonly from (36) to (60); in private tombs (both one- and two-chambered) from (30) to (55) and probably (65).

CHAMBER VAULTING

Four types of chamber vaulting can be distinguished.

- I. *Masonry corbel (already treated as Burial Chamber type IV).*
- II. *Rounded vaults, the earliest and simplest rock-cut form.* After (40) the vaulting becomes very rough, especially in drop type chambers, and is well-nigh universal in all classes of tombs. In kings', queens', and private tombs as indicated on chart Pl. LXXV).
- III. *Flattened vaults, in a few cases amounting almost to a flat ceiling.* In better-made kings' and queens' tombs from (6) to (48); in a few private tombs from (19) to (23).
- IV. *Vaults with offset at spring, emphasizing the transition between wall and roof; an occasional refinement of type III.* In kings' and queens' tombs only, as indicated on chart.

EVOLUTION OF THE KUSHITE TOMB

NICHES IN BURIAL CHAMBER

The niches in the burial chamber are of five types, restricted to the period from (5) to (34) and, except for type v, to the tombs of kings and queens.

- I. *Multiple, niches in north, south, and west walls of burial chamber.* In kings' tombs of Taharqa (5), Aspelta (8), and Anlamani (9); in one queen's tomb at Nuri at (5).
- II. *Single niche on axis of west wall, near floor level.* In kings' tombs at (11), (12), and (34); in one queen's tomb at (11).
- III. *Single niche on axis of west wall, half way between floor and ceiling.* In kings' tombs from (15) to (17) and at (31); in queens' tombs at (27) and (28).
- IV. *Single niche on axis of west wall, above center.* In kings' tombs at (20), (22), (27), (28), and (30); in queens' tombs at (19), (21), (23) to (26), and (30).
- V. *Niche of rounded form extending from floor of chamber (or top of coffin bench) to upper part of west wall, thus giving an anthropoid coffin form to west part of burial chamber* (see Pl. LXXV). Generally associated with an axial coffin bench attached at west (see Methods of Burial VI, below). In one king's tomb at (32); in one queen's tomb at (34); in private tombs from (18) to (21) and at (24) and (25).

METHODS OF BURIAL

This classification deals with three elements: burials on beds or biers; coffin benches and their position in the chamber; burials in coffins (without benches) and their position. These elements are treated under ten types which are not necessarily mutually exclusive. For example: queens of generation (2) at Kurru were buried on coffin benches south of the center axis of the burial chamber, either free-standing or attached to the south wall of the chamber, and with cut-outs in the bench near the four corners indicating the use of a bed or bier (Types III and IV, or III and V).

- I. *Burial on a bed, the feet of which stood in trenches in the floor of the burial chamber at head and foot ends.* In ancestral tombs at (B), (C) and (D); in private tombs at Meroë from (1) to (3), and at (6).
- II. *Burial on a bed, the feet of which stood in individual holes at the four corners.* In queens' tombs at (2); in private tombs at Meroë from (1) to (6), and at (8).
- III. *Burial on a bed resting on a stone coffin bench, the four legs of the bed passing to the floor through cut-outs in the sides of the bench, and in some cases with the feet of the bed resting in stone boxes sunk in the floor.* The bench thus supported the body of the bed and its legs were relieved of any load. In kings' tombs from (2) to (4); in queens' tombs from (2) to (5); no examples in private tombs.

N.B. Burials on beds were confined to the early period; not later than (5) for queens and (8) for private tombs.

- iv. *Burial on a free-standing coffin bench oriented E.-W. and located either south of the axis, on it, or north of it.* Locations south of the axis do not occur after (12), and those north of it are not found before (40). In kings' and queens' tombs frequently between (2) and (46) as indicated on Chart II; in a few private tombs from (18) to (45) or possibly (55).
- v. *Coffin bench attached to south wall of burial chamber.* In queens' tombs only at (2), (3) and (8).
- vi. *Axial coffin bench, the west end of which is attached to west end of burial chamber.* In kings' tombs at (29), (30, doubtful), and (32) to (35); in queens' tombs at (36) and (40), and one at (43-44) attached at both west and south; in private tombs at (18), (20), (22) to (25), (30), (35), (39), (40), and possibly (50).
- vii. *Coffin bench or shelf along north side of burial chamber, attached to wall: a late form only.* In kings' tombs at (47), (48), (51) to (53), and (56); in queens' tombs at (44), (53-55), and (59); in private tombs from (40) to (50) and possibly to (65).
- viii. *Stone sarcophagus on, or south of, axis.* In kings' tombs at (5), (9), and (10), and from (36) to (38); one doubtful case in a queen's tomb at (10).
- ix. *Rectangular wooden box coffin (or traces), usually in axial position in grave or tomb chamber, but at and after (40) also found against north wall, or along west wall with a north-south orientation.* In one queen's tomb at (42-44); in private tombs at Meroë from (1) to (8), at (10) and (20), and again from (40) to (50) or possibly (65).
- x. *Wooden anthropoid coffins (or traces), at Meroë only.* In one queen's tomb at (40-45); in private tombs from (2) to (4), (8) to (11), and at (13), (22), and (23).

APPENDIX

APPENDIX

Objects from El Kurru in the Museum of Fine Arts, Boston

Those objects against which no MFA numbers stand have not been incorporated into the Museum's exhibition series, and are recorded by their Object Register numbers only.

A. BY OBJECT REGISTER NUMBERS

<i>Object Register</i>	<i>Provenance</i>	<i>MFA No.</i>	<i>Object Register</i>	<i>Provenance</i>	<i>MFA No.</i>
18-3-837	Ku. 2, F.D.	21.862	19-2-209	Ku. 15	
838	" "	21.863	212-215	"	
839	" "	21.864	218	Ku. 18	
840	" "	21.866a	219	"	
841	" "	21.867	221-225	"	
842	" "	21.869	230-236	"	
844	" "	21.865	240	Ku. 18	21.2814
845	" "	21.866b	241-243	"	
846	" "	21.868	244-247	Ku. 17	
847	" "	21.866c	251-254	"	
848	" "	21.866d	256	Ku. 18	
849	" "	21.866e	258-266	Ku. 8	
850	" "	21.866f	269-274	"	
851	" "	21.866g	276-295	"	
852	" "	21.866h	296	Ku. 17	
853	" "	21.866i	297	Ku. 16	21.10544
18-4-511	Ku. 1		298	"	
512	"		300	"	
513	"		305-307	"	
514	Ku. 61		310	"	21.10542
515	Surface		312	"	
516	Ku. 2		313	"	
517	Ku. 1		315	"	
518-529	Ku. 61		317	"	
19-2-185	Ku. 15		319-321	"	
189	"		323	"	
190	"		324	"	
192-194	"		325	"	21.10543
198	"		328-330	"	
201-205	"		336-339	Ku. 17	
208	"		341-346	Ku. 16	

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<i>Object Register</i>	<i>Provenance</i>	<i>MFA No.</i>	<i>Object Register</i>	<i>Provenance</i>	<i>MFA No.</i>
19-2-348	Ku. 17		19-2-527-532	Ku. 7	
350	Ku. 16	21.10541	534	"	
352	"	21.10540	535	Ku. 8	
353	"		537	Ku. 6	
355	"		539	"	
357	"		540-542	Ku. 17	
358	Ku. 18		543-546	Ku. 7	
359	Ku. 6		547	Ku. 5	
362-369	Ku. 16		549-551	"	
371	"		554-558	Ku. 1	
373-375	Ku. 17		559-563	Ku. 5	
378	"		565	Ku. 15	
380-384	"		567	"	
385	Ku. 6		569-572	"	
393	Ku. 16		578	"	
400	Ku. 6		584-585	"	
404	Ku. 3		589-590	Ku. 5	
406	Ku. 5		592	"	
407	"		598	Ku. 4	
409-412	Ku. 8		600	"	
413	Ku. 5		610-614	Ku. 15	
416-420	Ku. 17		618-627	Ku. 6	
422	"		630-635	Ku. 10	
423	Ku. 17		638-639	Ku. 15	
425	"		644-645	Ku. 4	
426	"		647-648	Ku. 5	
428-430	"		649-650	Ku. 4	
433	"		657-658	Ku. 5	
437	"		664-667	"	
439-443	Ku. 5		674	Ku. 17	21.3238
447-452	Ku. 8				
455-460	Ku. 11		19-3- 4	Ku. 16	
462-464	Ku. 22		7	Ku. 15	
466-468	"		13	Ku. 16	
470-472	"		29-30	Ku. 6	
473-474	Ku. 3		40-41	Ku. 4	
476-477	"		44	Ku. 10	
478-481	Ku. 5		47-51	Ku. 3	
483	Ku. 15		53-57	"	
486	"		58-61	Ku. 16	
488	"		62-72	Ku. 9	
490	"		73-76	Ku. 6	
492-493	"		79-80	"	
495	"		82-87	"	
499	"		88-90	Ku. 5	21.10574-10575
500	"		91-99	"	
504	"		101-109	"	
505-506	Ku. 6		111-127	"	
508-512	"		128-133	Ku. 13	
516	"		135-138	"	
520	"		139	Ku. 14	
523-524	"		141-145	"	
			146	Ku. 17	

APPENDIX

<i>Object Register</i>	<i>Provenance</i>	<i>MFA No.</i>	<i>Object Register</i>	<i>Provenance</i>	<i>MFA No.</i>
19-3-148	Ku. 17		19-3-363	Tum. 1	
152	"		364	"	21.319
154	"		365	"	21.320
158	Ku. 10				(with 19-4-184)
159-162	Ku. 23		366	"	21.350
164	Ku. 17		367	"	21.319
165-171	Ku. 15	21.354, 355, 357	368	"	
172	"	21.356	369-370	"	21.360-362
173	"	24.910-912	371-390	Ku. 16	
175	"	24.904, 905	391	Tum. 2	21.363
176	"	24.907	392	"	
177	"	24.906	394-397	"	
178	"	24.908	398-399	Tum. 1	
182-194	"		400-405	Tum. 2	
196-208	"		406	Tum. 4	
213-214	"		408-413	"	
216	"		414-416	Tum. 2	
217	"	21.2787	418	"	
219-220	"		420	Tum. 4	21.359
222	Ku. 15		421	"	21.364-369
223	Ku. 10	21.303	425	"	21.309
225	Ku. 15		426	"	21.310
227-230	"		427	"	21.311
231	"	24.1034, 1035	428	"	21.309
233	"	24.1004	429	"	21.310
234	"		430	"	21.310
239	Ku. 17		431	"	21.312
241-251	"		432	"	21.312
253	"		433	"	21.311
254-256	Ku. 18		434	Ku. 4	21.300
258	Ku. 17		435	"	21.2799
259	Ku. 13		436-439	"	
262	Ku. 14	21.358	441-467	"	
263-265	"		469-475	"	
268-272	Ku. 13		477	"	
274	"		479-490	"	
277-278	"		492	"	
280-288	"		494	"	
289	"	21.2812	496-497	"	
291-293	"		500-505	"	
295-297	Ku. 3		508-510	"	
298-301	Ku. 16		511	"	21.3110-3111
302	"	21.314	512-514	"	
303-320	"		521-524	"	
322-326	"		527	"	24.942
329-330	"		528-530	Tum. 1	
332	"		531-535	Tum. 2	
334-335	"		536	Tum. 4	
336-343	Tum. 1		537	Ku. 1	
347-348	"		538-539	Site siftings	
349	Ku. 1		541	Ku. 4	
350-361	Tum. 1		542	"	21.2800, 2810
362	"	21.319	544	"	21.313

APPENDIX

<i>Object Register</i>	<i>Provenance</i>	<i>MFA No.</i>	<i>Object Register</i>	<i>Provenance</i>	<i>MFA No.</i>
19-3-546	Ku. 4	21.2808, 2809	19-3-750-760	Ku. 18	
547	"		762	"	
554-558	Surface between		764-766	"	
	Ku. 9 and 23		769	"	21.2813
559	Ku. 4		775-787	Ku. 5	
561	"		788-792	Ku. 19	
562	"	21.2783	793	"	21.370, 371
563	"	21.2784	794-802	"	
564	"	21.2789	803-812	Ku. 15	
565	"	21.2785	814	"	
570	"	21.2795	816	"	
571	Ku. 16	21.2797	818	"	
572	"	21.2798	819	Ku. 19	
573	"	21.2801	820-821	Ku. 18	
574	Ku. 3	21.2796	823-824	"	
575	"	21.2794	827	"	
576-579	Ku. 4		829-830	"	
580-582	Ku. 3		833	"	
585	"		834	Ku. 19	
587	"		835	Ku. 18	
589-593	Tum. 5		837-839	Ku. 103	
595-601	"		843-845	Ku. 19	
602-608	Ku. 3		848-851	"	
610-623	"		853	"	
624	Tum. 6		854	Ku. 101	21.315
626	"		855-858	"	
628-637	Ku. 22		860-862	Ku. 19	
639-662	"		864-868	"	
663	Ku. 4	21.324, 325	870-888	"	
664	"	21.3092	889-905	Ku. 13	
665	"	21.3091	906-911	Tum. 6	
667	Ku. 55	24.1089	912-913	Ku. 1	
668-672	Ku. 11		914-920	"	
674-686	"		922-930	"	
687-688	Ku. 201	21.10560	931	Ku. 101	
689-690	"		935-936	"	
691	"	21.10560	938	"	
692-693	"		956	"	
694	Ku. 22		958	"	
696-700	"		960	"	
703-704	Tum. 6		962	"	
705	Ku. 201		968-969	Ku. 51	
706-713	"	21.10560	978	"	
714-716	"		990	"	
717	"	21.10560	992	"	21.304
718-719	"		993	"	24.616
720-721	Ku. 17		995	"	24.654
723-724	"		997	"	24.635
727-730	Ku. 18		998	"	24.629
733	"		999	"	24.712
735-738	"		1000	"	24.630
742-744	"		1002	"	24.621
746	"		1003	"	24.631

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<i>Object Register</i>	<i>Provenance</i>	<i>MFA No.</i>	<i>Object Register</i>	<i>Provenance</i>	<i>MFA No.</i>
19-3-1004	Ku. 51	24.640	19-3-1107	Ku. 52	24.677
1005	"	24.706	1109	"	24.680
1007	"	24.619	1111	"	24.674
1011	"	24.642	1113	"	24.704
1013-1015	"		1114	"	24.620
1018	"		1116	"	24.639
1022	"		1117	"	24.683
1026	"		1120	"	24.675
1028-1029	"		1130	"	21.3106
1034	"	24.681	1131-1135	"	
1037	"		1136	"	21.3107
1038	"	21.322	1137	"	
1039	"	24.627	1141-1144	"	
1041	"	24.923	1145	"	24.928
1042	"		1146-1147	"	
1043	"	24.929	1151	"	
1046	"	24.926	1158	"	21.3237
1047	"	24.938	1159	"	21.3108
1048	"	24.933	1160	"	
1049	"	24.931	1162	"	
1050	"	24.934	1163	Ku. 53	
1051	"	24.937	1166	"	
1052	"	24.932	1177	"	
1053	"	24.930	1187	"	24.1084
1054	"		1191	"	24.1085
1056	"	24.671	1194	"	24.1010
1059	"	24.679	1195	"	24.1011
1064	"	24.673	1198	"	
1065	"	24.682	1205	"	21.3109
1066	"	24.678	1207	"	
1067	Ku. 52	24.623	1209	"	
1069	"	24.638	1211-1212	"	
1070	"		1217-1219	"	
1072-1075	"		1221	"	
1077	"		1223	"	21.2786, 2804
1079	"	21.3102-3105	1228	"	24.633
1080	"	24.939	1230	"	24.581
1081	"	21.2788	1233	"	24.580
1082	"		1235	"	24.590
1086	"	24.670	1236	"	24.591
1088	"	24.667	1237	"	24.589
1089	"	24.578	1238	"	24.587
1090	"	24.583	1240	"	24.588
1091	"	24.577	1241	"	24.586
1092	"	24.584	1242	"	24.585
1094	"	24.669	1243	"	24.650
1096	"	24.668	1244	"	24.617
1097	"	24.656	1246	"	24.655
1098	"	24.628	1247	"	24.582
1099	"	24.634	1248	"	24.702
1101	"	24.672	1249	"	24.658
1103	"	24.684	1250	"	24.625
1105	"	24.676	1251	"	24.636

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<i>Object Register</i>	<i>Provenance</i>	<i>MFA No.</i>	<i>Object Register</i>	<i>Provenance</i>	<i>MFA No.</i>
19-3-1252	Ku. 53	24.641	19-3-1337	Ku. 53	21.317
1254	"	24.666	1338	"	24.660
1255	"	24.626	1343	"	24.646
1256	"	24.659	1344	"	
1257	"	24.713	1346	"	
1258	"	24.637	1355-1358	"	
1260	"	24.662	1359	"	21.2805
1265	"	24.632	1360	"	21.2803
1266	"	24.664	1362	"	
1267	"	24.663	1363	"	21.2806 (?)
1270	"	24.693	1364	"	
1271	"	24.694	1367, 1368	"	
1272	"	24.644	1370	"	
1274	"	24.685	1376	"	24.618
1275	"	24.697	1377	"	24.622
1276	"	24.698	1378	"	24.624
1278	"	24.707	1379	"	24.647
1280	"	24.695	1380	"	24.645
1281	"	24.643	1382	"	24.579
1283	"	24.710	1383	Ku. 54	21.2628
1284	"	24.696	1385, 1386	"	
1285	"	24.700	1388-1391	"	
1286	"	24.652	1393, 1394	"	
1287	"	24.687	1400, 1401	"	
1288	"	24.691	1407	"	24.1087
1289	"	24.692	1409	"	24.1088
1292	"	24.699	1412	"	
1293	"	24.701	1420	"	
1296	"	24.689	1422	"	
1297	"	24.688	1425-1428	Ku. 55	
1299	"	24.690	1430-1432	"	
1301	"	24.686	1433a	"	24.973
1302	"	21.305	1433b	"	21.323
1303	"	24.661	1433d	"	24.1756
1304	"	24.665	1434a&b	"	24.1019
1305	"	24.715	1434c	"	24.972
1306	"	24.705	1434d	"	24.974
1307	"	24.711	1435	"	
1308	"	24.651	1436, 1437	"	24.976
1309	"	24.714	1438	"	
1310	"	24.708	1439	"	24.975
1311	"	24.703	1441-1444	"	
1312	"	24.653	1446	"	
1313	"	24.709	1448	Ku. 53	24.1007-1009
1314	"	24.657	1449	"	
1317	Ku. 17		1452-1456	Ku. 55	
1318	Ku. 54	24.1082, 1083	1459	"	
1322-1324	"		1460	Ku. 62	24.1012
1326	"		1460j	"	24.1754
1330	"		1463-1465	Ku. 55	
1332-1334	"		1468, 1469	"	
1335	Ku. 53	24.1086	1470-1488	Ku. 62	
1336	"		1491, 1492	"	

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<i>Object Register</i>	<i>Provenance</i>	<i>MFA No.</i>	<i>Object Register</i>	<i>Provenance</i>	<i>MFA No.</i>
19-3-1493-1496	Ku. 71		19-4-100	Ku. 211	21.10564
1498	"	24.1014, 1015	101	"	21.10565
1501	"	24.1013	102, 103	"	
1502	"		104	"	21.10566
1506	"		105	"	
1509, 1510	"		106	"	21.10567
1512, 1513	"		107	"	
1521, 1522	Ku. 72		108	"	21.10568
1529, 1530	"		109	"	
1532, 1533	"		110	Ku. 213	
1535	"		114	"	
1538	"		116	Ku. 217	
1540	"		117	Ku. 218	
1542, 1543	"		119	Ku. 219	
1544a	"	21.2815	122	Ku. 222	
1551	"		124-127	"	
1553	"	24.1036, 1037	131	Ku. 220	
1558	Ku. 53		134, 135	Ku. 217	
1559-1562	Ku. 62		137, 138	Ku. 216	
1564-1576	"		139a	Ku. 17	21.3112-3115
1578	Ku. 61		140	Ku. 15	21.11706-11710
1581	Ku. 18	24.1018	141b	Ku. 18	21.3116-3119, 3225
1581a	"	21.308a-h	142a	Ku. 16	21.3124-3127
1582-1587	Ku. 52	24.1081	142b	"	21.3167-3170
1588-1594	"		143	Ku. 51	21.3163-3166
19-4- 32, 33	Ku. 201		144	Ku. 52	21.3155-3160
36	Ku. 202		145a	Ku. 53	21.3161, 3162
37	Ku. 203	21.10561-10563	145c	"	21.3224
39	"	21.10563	148	Ku. 8	
40-43	"		149	"	
44, 45	Ku. 204		151-152	"	
47	"		153	Tum. 6	
53	Ku. 207		155-164	"	
55, 56	Ku. 208		165-175	Ku. 17	
57	Ku. 212	21.10569a&b	176, 177	Ku. 16	
58	"	21.10570	179-183	Tum. 1	
59	"	21.10571	184	"	21.320
63-66	Ku. 61				(with 19-3-365)
68, 69	Ku. 62		185, 186	"	
70	Ku. 61		188	Ku. 16	
73	Ku. 209		197-199	Ku. 17	
87	Ku. 210	21.10572	200	Ku. 16	21.3232
88, 89	"		204	Ku. 4	21.3221-3223
91	"		205a	Ku. 5	21.3226
92	"	21.10573	205b	"	21.3171
93-96	"		228-253	Ku. 1 F.D.	
98, 99	Ku. 211				

APPENDIX

UNREGISTERED OBJECTS IN THE MUSEUM OF FINE ARTS, BOSTON

<i>Provenance</i>	<i>Description</i>	<i>MFA No.</i>	<i>Provenance</i>	<i>Description</i>	<i>MFA No.</i>
Ku. 4	Granite offering stone of Khefisa	No number	Ku. 16	Steatite scarab of Shabako	21.316
Ku. 6	Shawabti presumed from Ku. 2	21.3120-3123	Ku. 53 (?)	Rose quartz miniature vase	21.306
Ku. 15	Mirror of Shabako	21.318	Ku. 55	Gold and crystal Hathor Amulet	21.321
Ku. 16	Heart scarab of Shabako	21.301	Ku. 72	Gold collar	21.307
"	Heart scarab of Tanweta-mani	21.302	Ku. 219	Gold plume carrier	23.877

B. BY MUSEUM ACCESSION NUMBERS

<i>MFA No.</i>	<i>Object Register</i>	<i>MFA No.</i>	<i>Object Register</i>	<i>MFA No.</i>	<i>Object Register</i>
21.300	19-3-434	21.363	19-3-391	21.2797	19-3-571
301	Not reg. — Ku. 16	364	19-3-421	2798	19-3-572
302	Not reg. — Ku. 16	365	19-3-421	2799	19-3-435
303	19-3-223	366	19-3-421	2800	19-3-542
304	19-3-992	367	19-3-421	2801	19-3-573
305	19-3-1302	368	19-3-421	2803	19-3-1360
306	Not reg. — Ku. 53 (?)	369	19-3-421	2804	19-3-1223
307	Not reg. — Ku. 72	370	19-3-793	2805	19-3-1359
308	19-3-1581a	371	19-3-793	2806	19-3-1363 (?)
309	19-3-425, 428	862	18-3-837	2808	19-3-546
310	19-3-426, 429, 430	863	18-3-838	2809	19-3-546
311	19-3-427, 433	864	18-3-839	2810	19-3-542
312	19-3-431, 432	865	18-3-844	2812	19-3-289
313	19-3-544	866a	18-3-840	2813	19-3-769
314	19-3-302	866b	18-3-845	2814	19-2-240
315	19-3-854	866c	18-3-847	2815	19-3-1544a
316	Not reg. — Ku. 16	866d	18-3-848	3091	19-3-665
317	19-3-1337	866e	18-3-849	3092	19-3-664
318	Not reg. — Ku. 15	866f	18-3-850	3102	} 19-3-1079
319	19-3-362, 364, 367	866g	18-3-851	3103	
320	19-3-365, 19-4-184	866h	18-3-852	3104	
321	Not reg. — Ku. 55	866i	18-3-853	3105	} 19-3-1130
322	19-3-1038	867	18-3-841	3106	
323	19-3-1433b	868	18-3-846	3107	
324	19-3-663	869	18-3-842	3108	19-3-1159
325	19-3-663	2628	19-3-1383	3109	19-3-1205
350	19-3-366	2783	19-3-562	3110	19-3-511
354	19-3-165-171	2784	19-3-563	3111	19-3-511
355	19-3-165-171	2785	19-3-565	3112	} 19-4-139a
356	19-3-172	2786	19-3-1223	3113	
357	19-3-165-171	2787	19-3-217	3114	
358	19-3-262	2788	19-3-1081	3115	} 19-4-141b
359	19-3-420	2789	19-3-564	3116	
360	19-3-369, 370	2794	19-3-575	3117	
361	19-3-369, 370	2795	19-3-570	3118	
362	19-3-369, 370	2796	19-3-574	3119	

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<i>MFA</i> No.	<i>Object Register</i>	<i>MFA</i> No.	<i>Object Register</i>	<i>MFA</i> No.	<i>Object Register</i>
21.3120	Unregistered, Ku. 6. (ex Ku. 2)	21.10572	19-4-87	24.643	19-3-1281
3121		10573	19-4-92	644	19-3-1272
3122		10574	19-3-88-90	645	19-3-1380
3123		10575		646	19-3-1343
3124		11706		647	19-3-1379
3125	19-4-142a	11707	19-4-140	650	19-3-1243
3126		11708		651	19-3-1308
3127		11709		652	19-3-1286
3155		11710		653	19-3-1312
3156		23.877	Unregistered, Ku. 219	654	19-3-995
3157	19-4-144	24.577	19-3-1091	655	19-3-1246
3158		578	19-3-1089	656	19-3-1097
3159		579	19-3-1382	657	19-3-1314
3160		580	19-3-1233	658	19-3-1249
3161		581	19-3-1230	659	19-3-1256
3162	19-4-145a	582	19-3-1247	660	19-3-1338
3163		583	19-3-1090	661	19-3-1303
3164		584	19-3-1092	662	19-3-1260
3165		585	19-3-1242	663	19-3-1267
3166		586	19-3-1241	664	19-3-1266
3167	19-4-143	587	19-3-1238	665	19-3-1304
3168		588	19-3-1240	666	19-3-1254
3169		589	19-3-1237	667	19-3-1088
3170		590	19-3-1235	668	19-3-1096
3171		591	19-3-1236	669	19-3-1094
3221	19-4-205b	616	19-3-993	670	19-3-1086
3222		617	19-3-1244	671	19-3-1056
3223		618	19-3-1376	672	19-3-1101
3224		619	19-3-1007	673	19-3-1064
3225		620	19-3-1114	674	19-3-1111
3226	19-4-204	621	19-3-1002	675	19-3-1120
3232		622	19-3-1377	676	19-3-1105
3237		623	19-3-1067	677	19-3-1107
3238		624	19-3-1378	678	19-3-1066
10540		625	19-3-1250	679	19-3-1059
10541	19-4-145c	626	19-3-1255	680	19-3-1109
10542		627	19-3-1039	681	19-3-1034
10543		628	19-3-1098	682	19-3-1065
10544		629	19-3-998	683	19-3-1117
10560		630	19-3-1000	684	19-3-1103
10560	19-4-141b	631	19-3-1003	685	19-3-1274
10561		632	19-3-1265	686	19-3-1301
10562		633	19-3-1228	687	19-3-1287
10563		634	19-3-1099	688	19-3-1297
10564		635	19-3-997	689	19-3-1296
10565	19-4-205a	636	19-3-1251	690	19-3-1299
10566		637	19-3-1258	691	19-3-1288
10567		638	19-3-1069	692	19-3-1289
10568		639	19-3-1116	693	19-3-1270
10569a,b		640	19-3-1004	694	19-3-1271
10570	19-4-200	641	19-3-1252	695	19-3-1280
10571		642	19-3-1011	696	19-3-1284

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<i>MFA</i> <i>No.</i>	<i>Object Register</i>	<i>MFA</i> <i>No.</i>	<i>Object Register</i>	<i>MFA</i> <i>No.</i>	<i>Object Register</i>
24.697	19-3-1275	24.910	} 19-3-173	24.1010	19-3-1194
698	19-3-1276	911		1011	19-3-1195
699	19-3-1292	912		1012	19-3-1460
700	19-3-1285	923	19-3-1041	1013	19-3-1501
701	19-3-1293	926	19-3-1046	1014	} 19-3-1498
702	19-3-1248	928	19-3-1145	1015	
703	19-3-1311	929	19-3-1043	1018	19-3-1581 (except 1581a)
704	19-3-1113	930	19-3-1053	1019	19-3-1434a-b
705	19-3-1306	931	19-3-1049	1034	} 19-3-231
706	19-3-1005	932	19-3-1052	1035	
707	19-3-1278	933	19-3-1048	1036	} 19-3-1553
708	19-3-1310	934	19-3-1050	1037	
709	19-3-1313	937	19-3-1051	1081	19-3-1582-1587
710	19-3-1283	938	19-3-1047	1082	} 19-3-1318
711	19-3-1307	939	19-3-1080	1083	
712	19-3-999	942	19-3-527	1084	19-3-1187
713	19-3-1257	972	19-3-1434c	1085	19-3-1191
714	19-3-1309	973	19-3-1433a	1086	19-3-1335
715	19-3-1305	974	19-3-1434d	1087	19-3-1407
904	} 19-3-175	975	19-3-1439	1088	19-3-1409
905		976	19-3-1436, 1437	1089	19-3-667
906	19-3-177	1004	19-3-233	1754	19-3-1460j
907	19-3-176	1007	} 19-3-1448	1756	19-3-1433d
908	19-3-178	1008			
		1009			

SOME OBJECTS FROM EL KURRU IN KHARTOUM

The following objects in Khartoum are the only ones the catalogue numbers of which are known to the writer.

<i>Provenance</i>	<i>Object Register</i>	<i>Description</i>	<i>Catalogue No.</i>
Tum. 2	#6 (unregistered)	Inscribed gold nugget	Khtm. #1569
Ku. 4	19-3-560	Inscr. alab. vase	Khtm. #2000
Ku. 16	19-4-142a (in part)	Shawabti figures	Khtm. # 1639, 1640
Ku. 53	19-3-1366	Stela of Tabiry	Khtm. #1901

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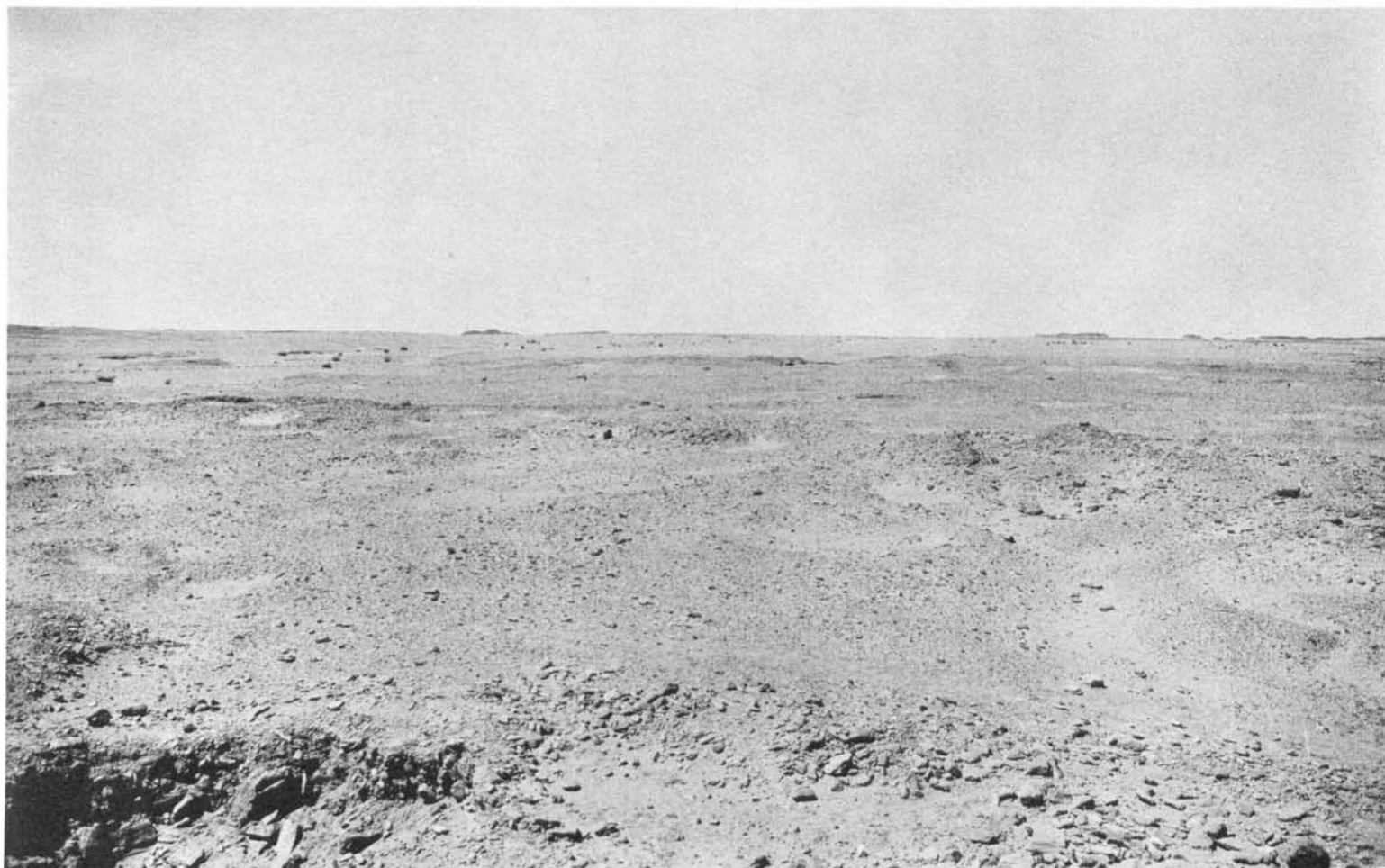
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PLATES



A. Site before excavation. Looking northwest from Ku. 1.

A 2753



B. Site before excavation. Looking southwest from Ku. 1.

A 2754



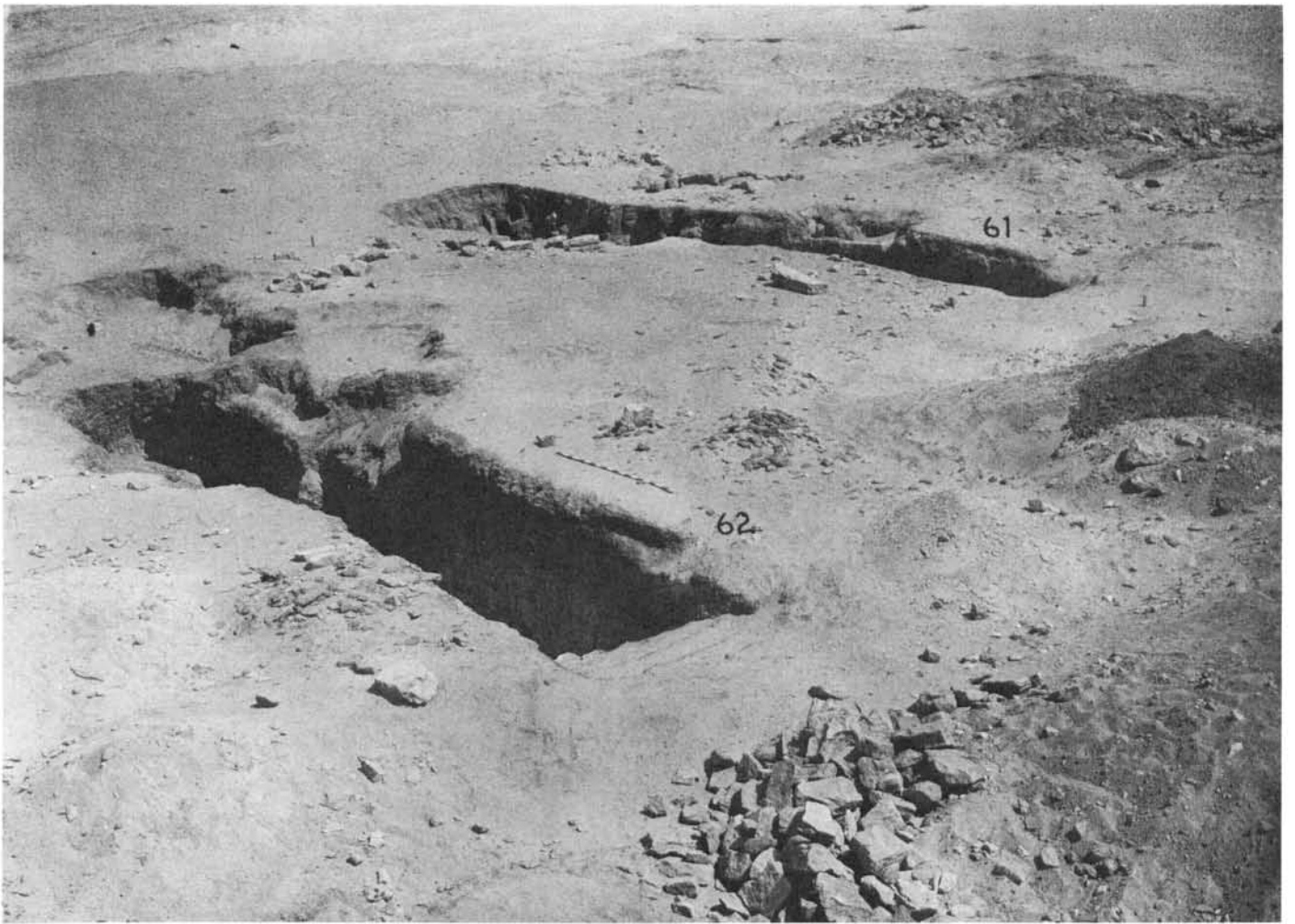
A. Site after excavation. Looking west-southwest from Ku. 1.

A 2812



B. Site after excavation. Group Ku. 51-55, looking south.

A 2821



A. Ku. 61 and 62 after excavation. Looking north.

A 2822



B. Ku. 71-72 after excavation. Looking northwest.

A 2823



A. Horse Cemetery, Ku. 201-224, after excavation. Looking northwest.

A 2820

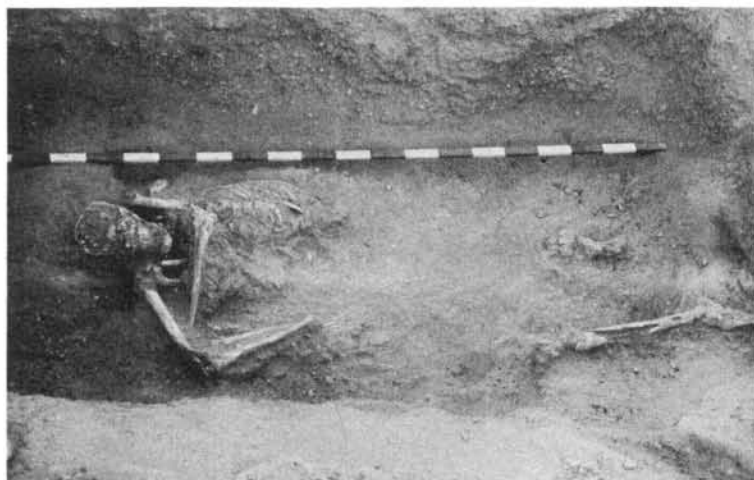


B. Ku. Tum. 6 after excavation. Looking east.

A 2807



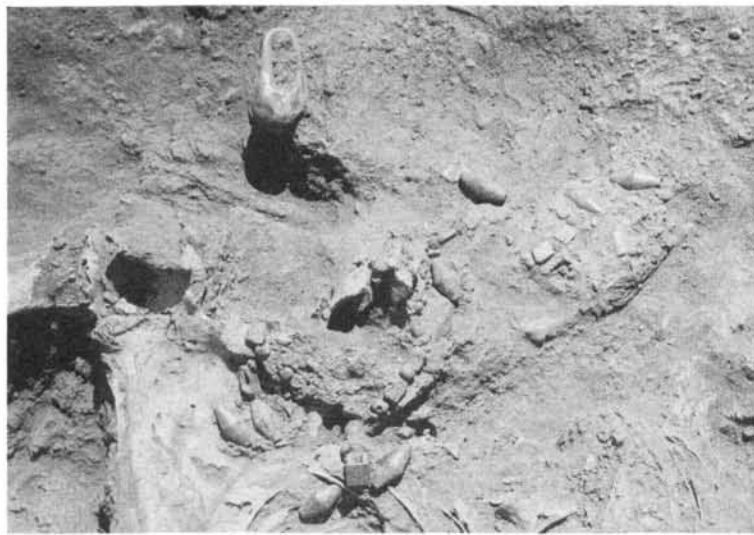
A. Ku. Tum. 1. Burial, looking northwest. C 8706



B. Ku. Tum. 2. Burial, looking west. C 8709



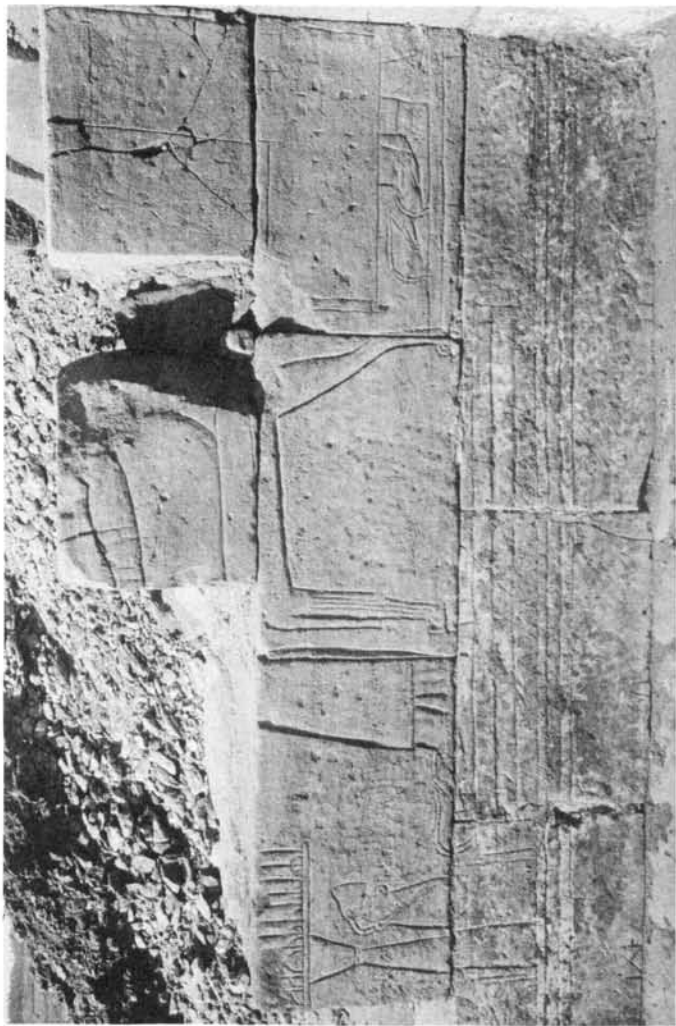
C. Ku. 1 before excavation. Looking east. C 8270



D. Ku. Tum. 2. Beads and amulets in situ after removal of skull. Looking south. C 8714

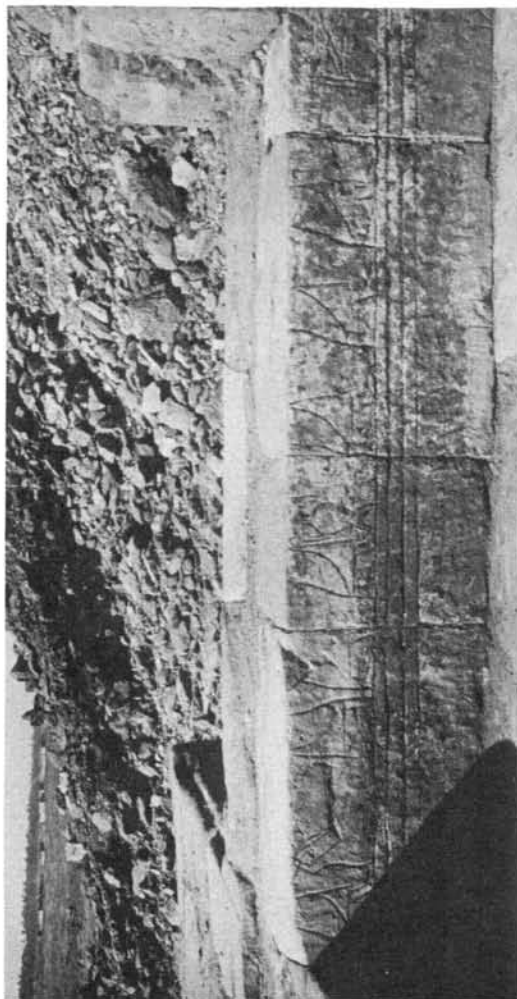


E. Ku. 1 after excavation. Looking west. A 2824



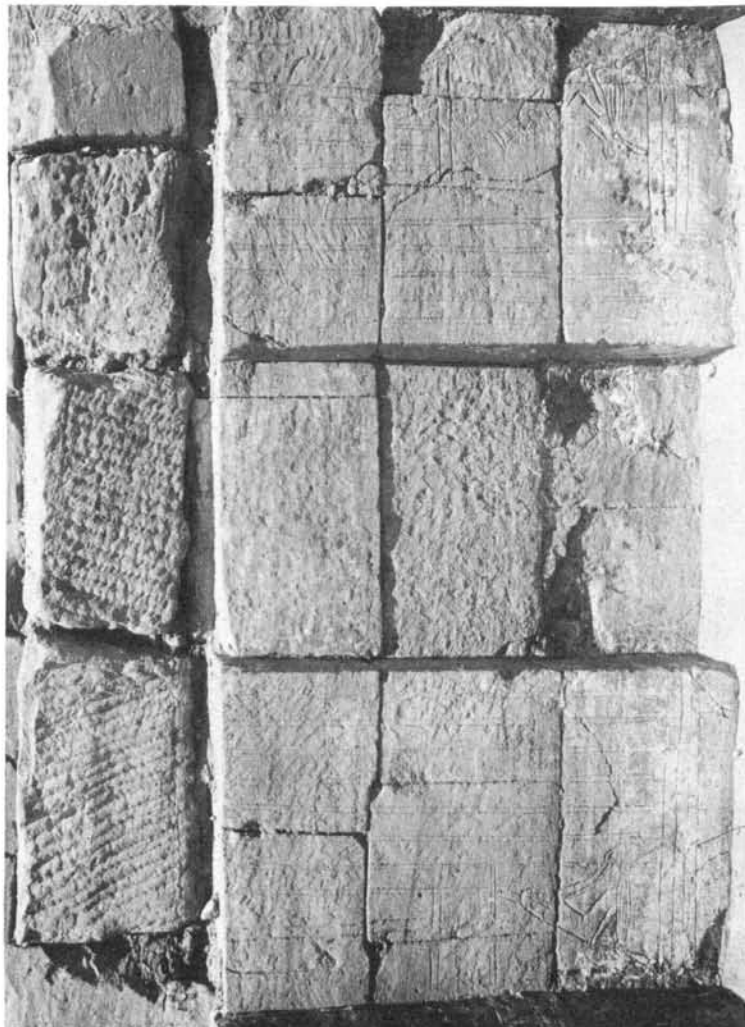
B. Ku. 1. South interior chapel wall, western portion.

B 3700



A. Ku. 1. South interior chapel wall, eastern portion.

B 3698



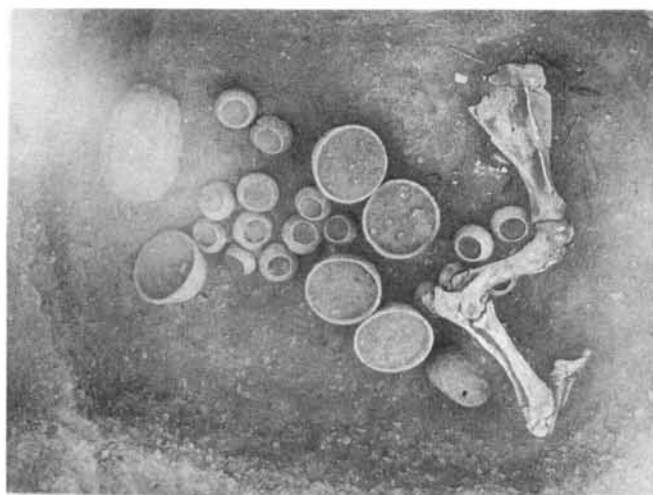
C. Ku. 1. West interior chapel wall.

B 3699



E. Ku. 1. Foundation deposit northeast. Second stage.

C 8838



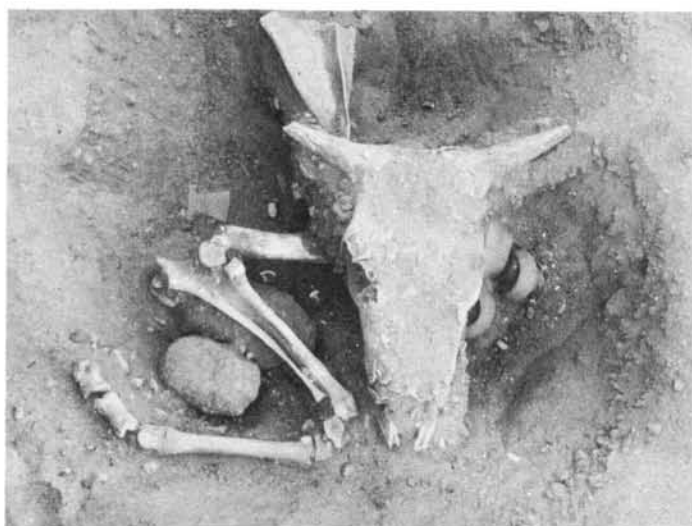
D. Ku. 1. Foundation deposit northeast. First stage.

C 8746



A. Ku. 2 after excavation. Looking west.

C 8324



B. Ku. 2. Foundation deposit southeast. First stage.

C 8327



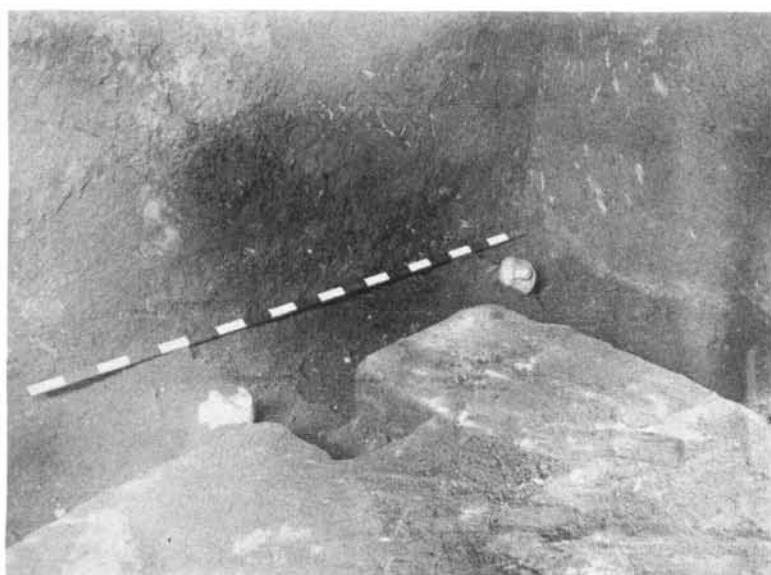
C. Ku. 2. Foundation deposit southeast. Second stage.

C 8328



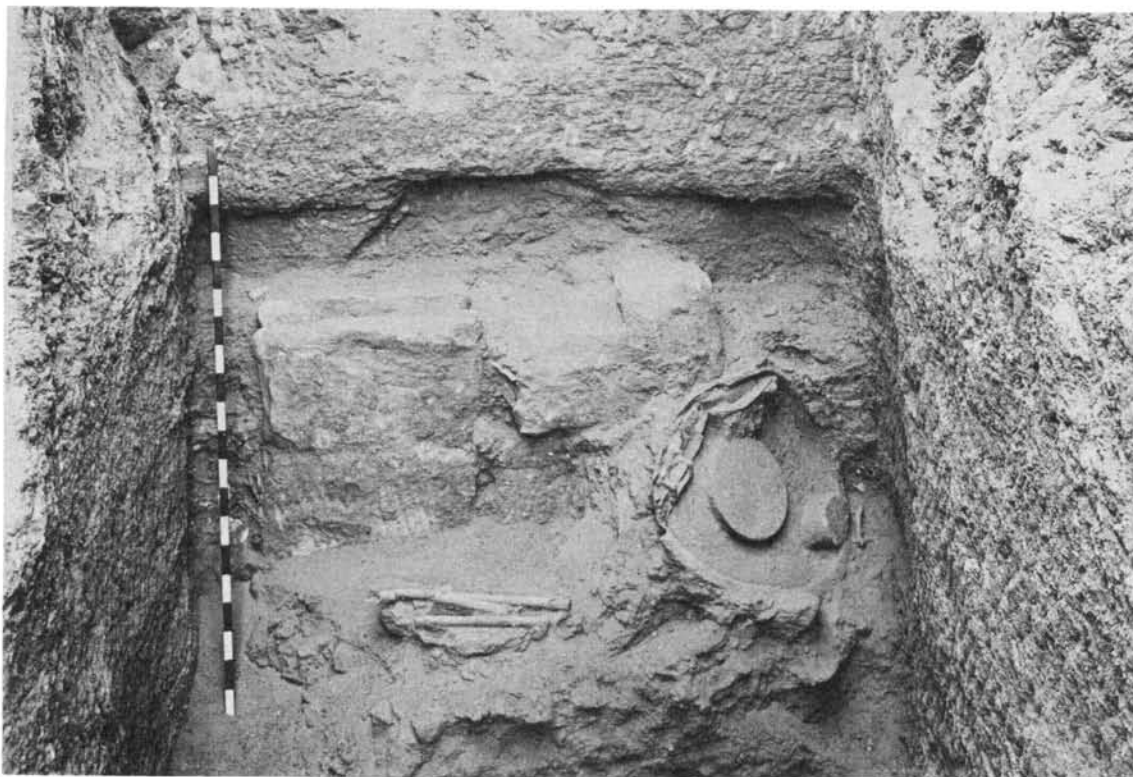
D. Ku. 3. Door block.

B 3611



E. Ku. 3. Chamber. Bench and canopic heads. Looking northeast.

C 8728



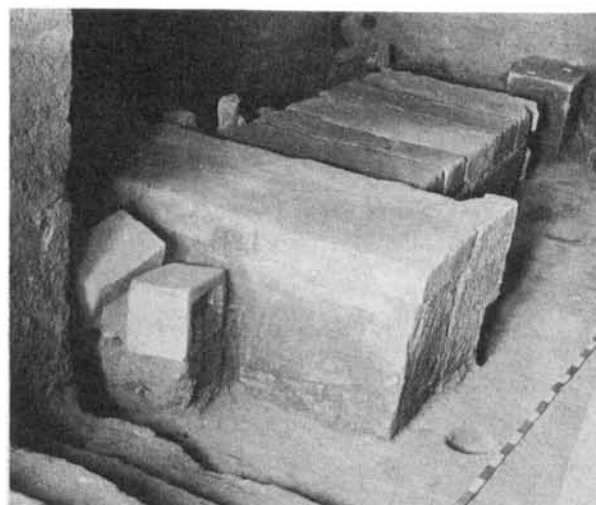
A. Ku. 4. Bronzes in stair debris. Looking west.

B 3609



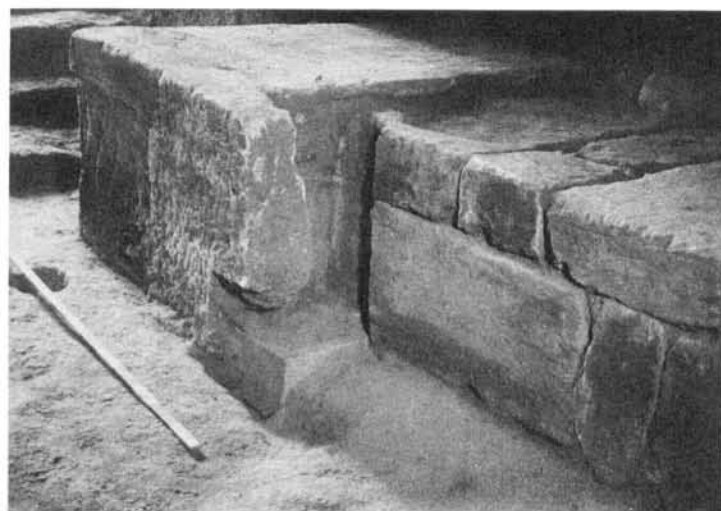
B. Ku. 4. Door block.

B 3610



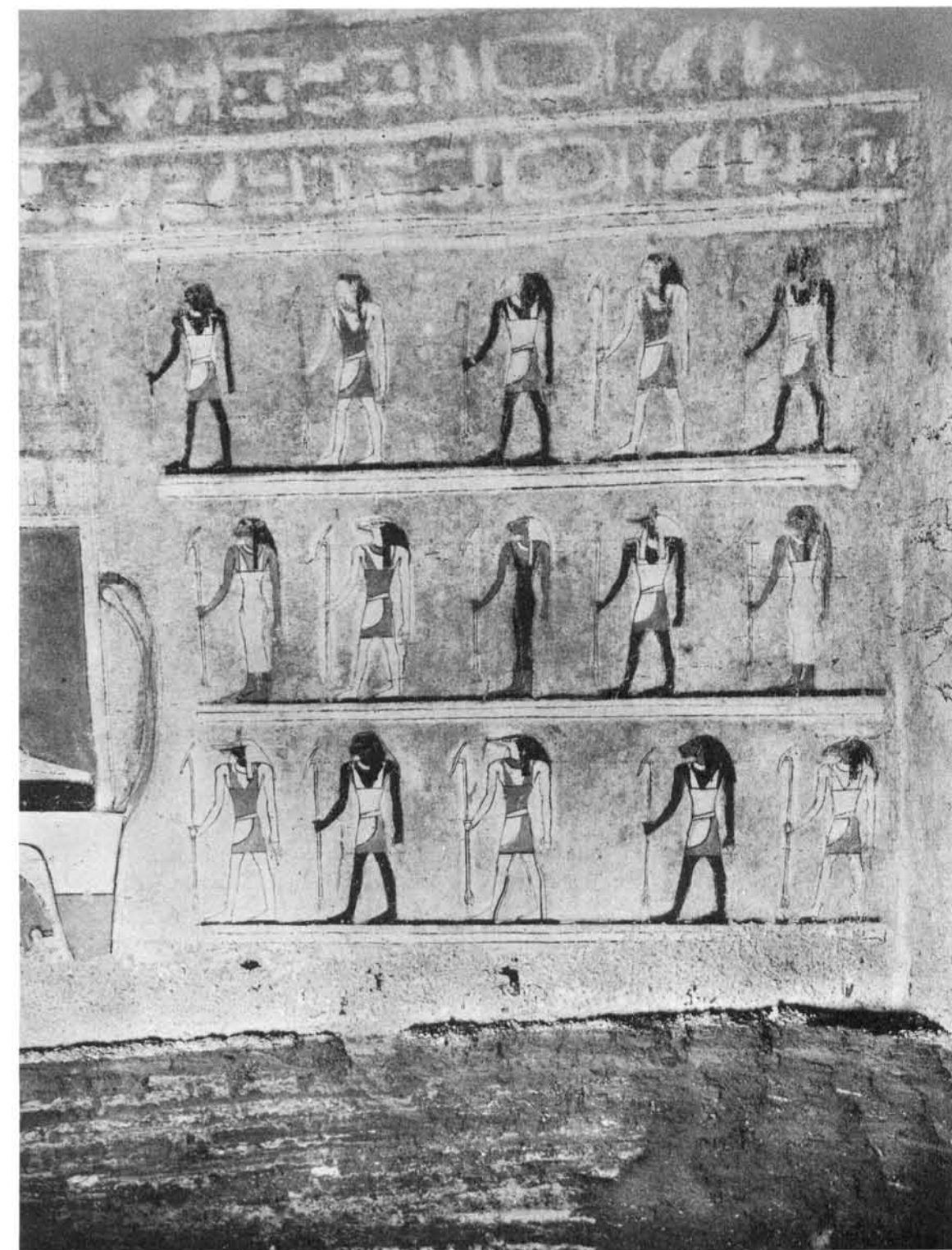
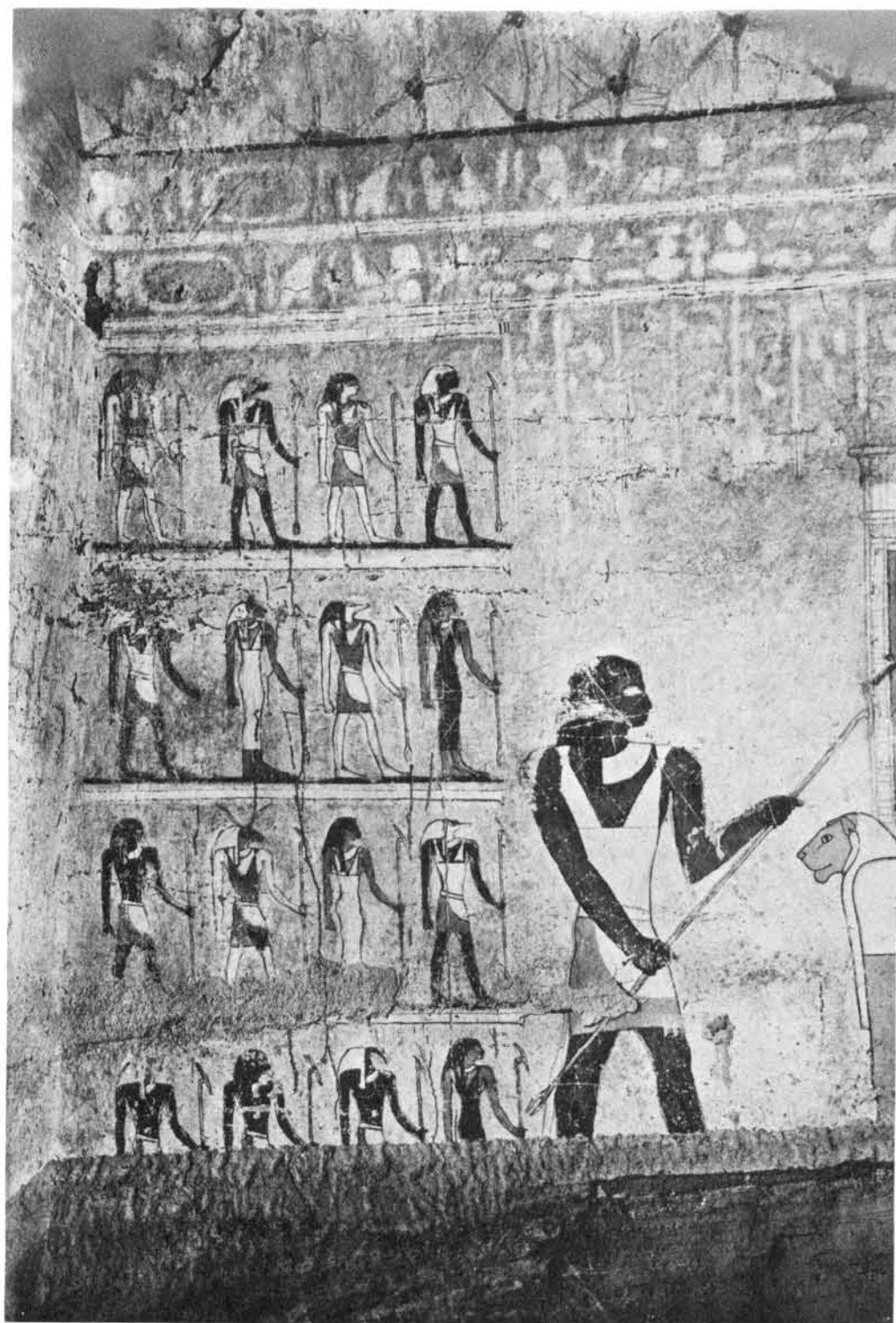
C. Ku. 4. Chamber and bench. Looking southwest.

C 8735



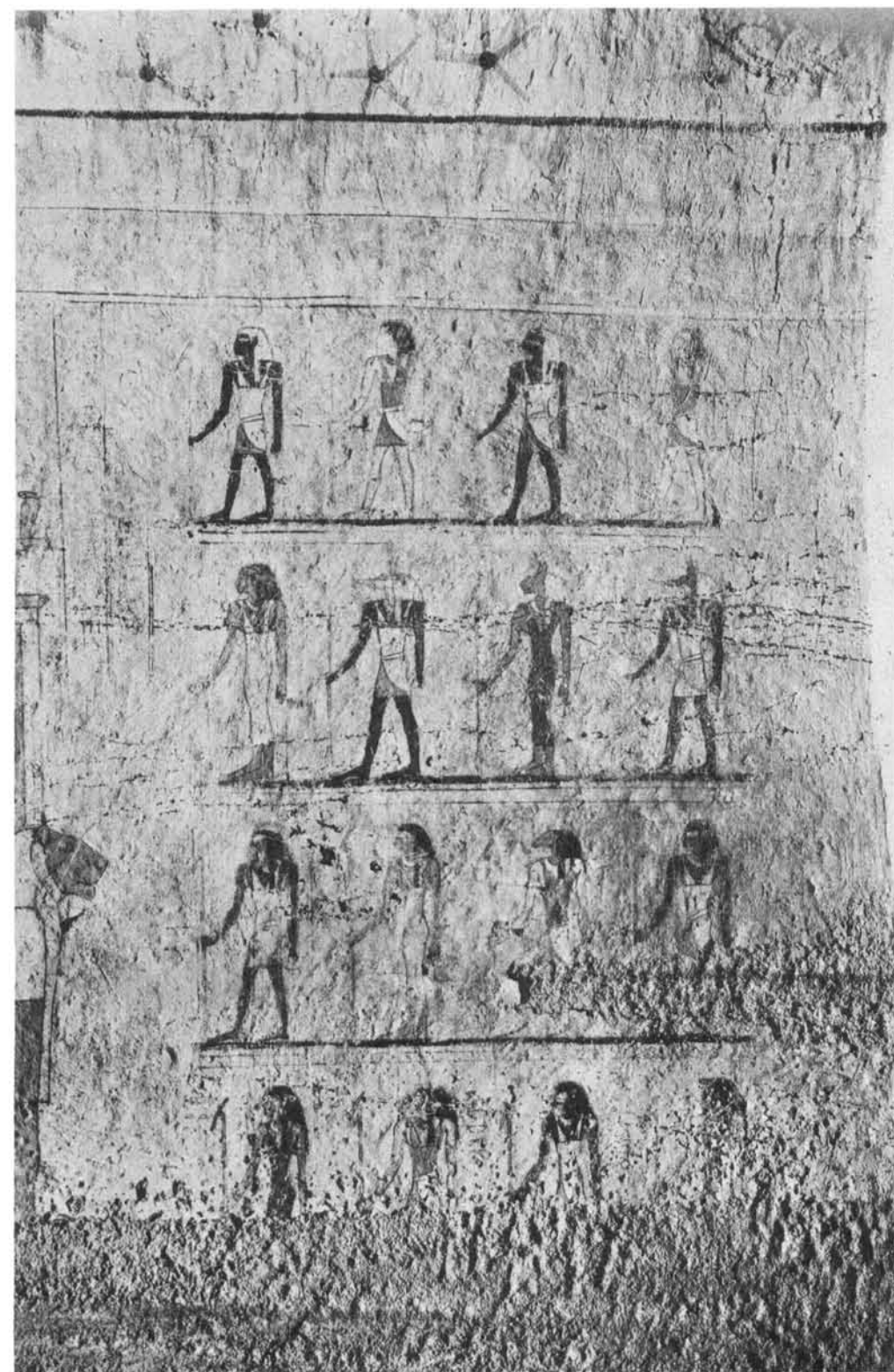
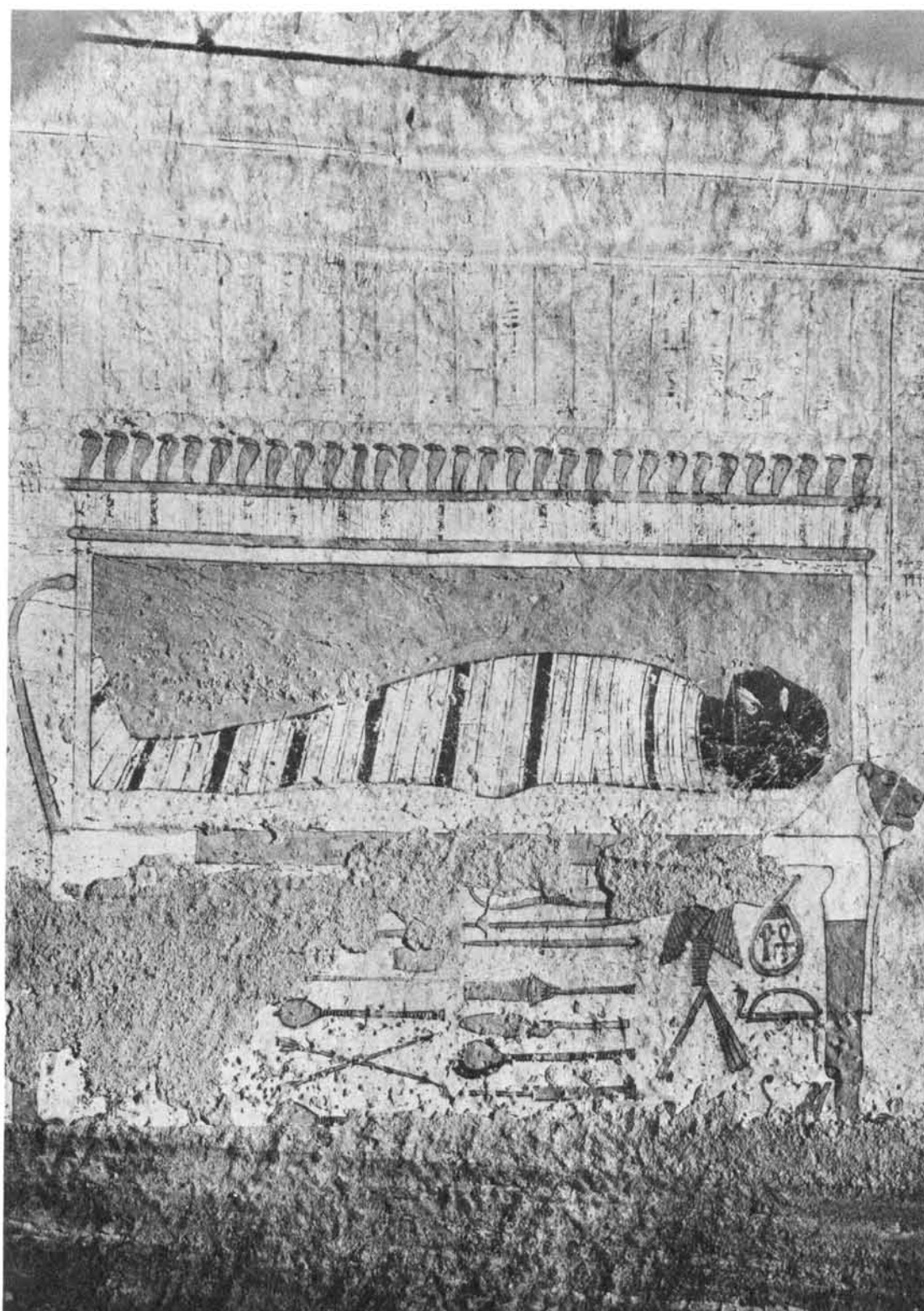
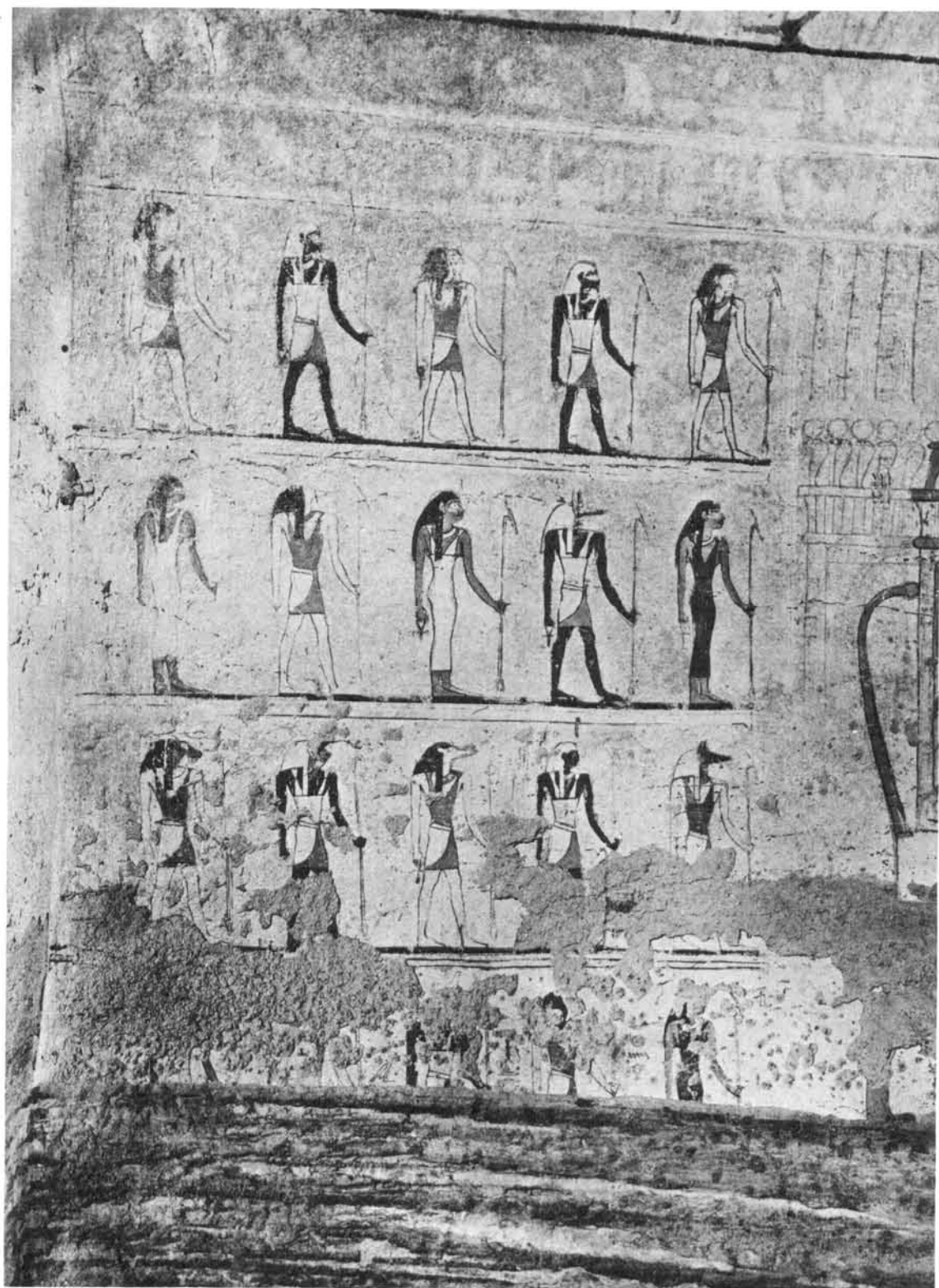
D. Ku. 4. Bench and alabaster box in place. Looking southeast.

C 8736



Ku. 5. Burial chamber. Decoration of north wall. The text in the two lines of inscription corresponds closely to that in similar position in Ku. 16 (see Pl. xix).

A 2770, 2769, 2768



Ku. 5. Burial chamber. Decoration of south wall. The text in the two lines of inscription corresponds closely to that in similar position in Ku. 16 (see Pl. xx).

A 2778, 2777, 2776



A. Ku. 5. Door block.

B 3604



B. Ku. 7 after excavation. Looking west.

A 2797



A. Ku. 8 after excavation. Looking west. (Ku. 20 in right foreground).

A 2796



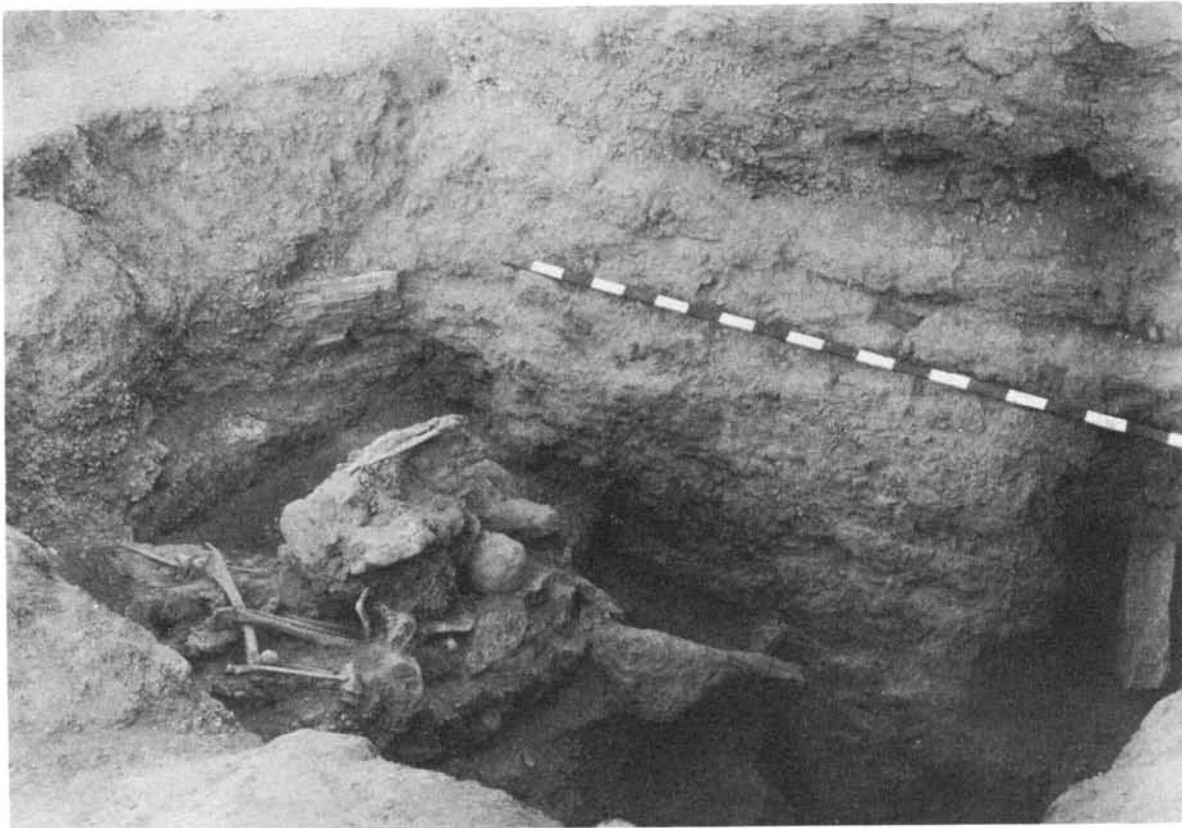
B. Ku. 9 after excavation. Looking west.

A 2795



Ku. 10 after excavation. Looking west.

A 2790



A. Ku. 11. Plundered burial in pit. Looking southwest.

C 8686



B. Ku. 11 after excavation. Looking west.

A 2794



A. Ku. 13 after excavation. Looking west. (Ku. Tum. 6 beyond).

A 2791



B. Ku. 14 after excavation. Looking west.

A 2792



A. Ku. 15 after excavation. Looking west.

A 2817



B. Ku. 15. Door block.

C 8638



C. Ku. 15. Mirror on floor of chamber. Looking northeast.

C 8683



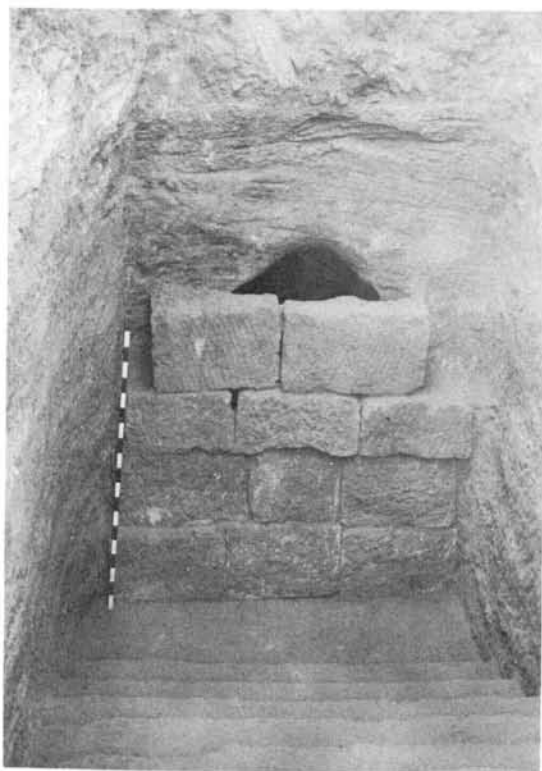
a. Ku. 16 after excavation. Looking west.

A 2819



c. Ku. 16. Intrusive burial. Looking north.

C 8700



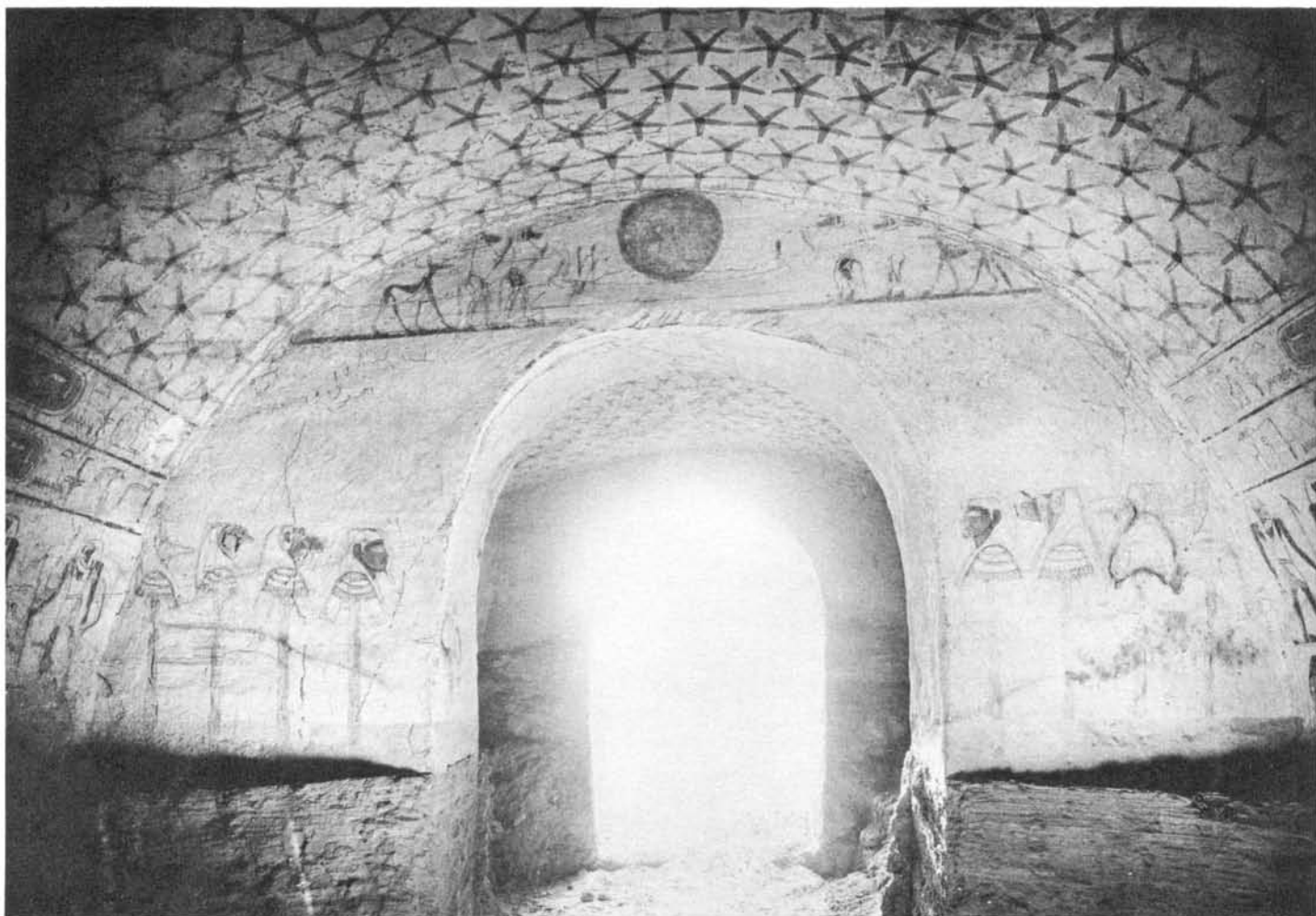
b. Ku. 16. Door block.

C 8658



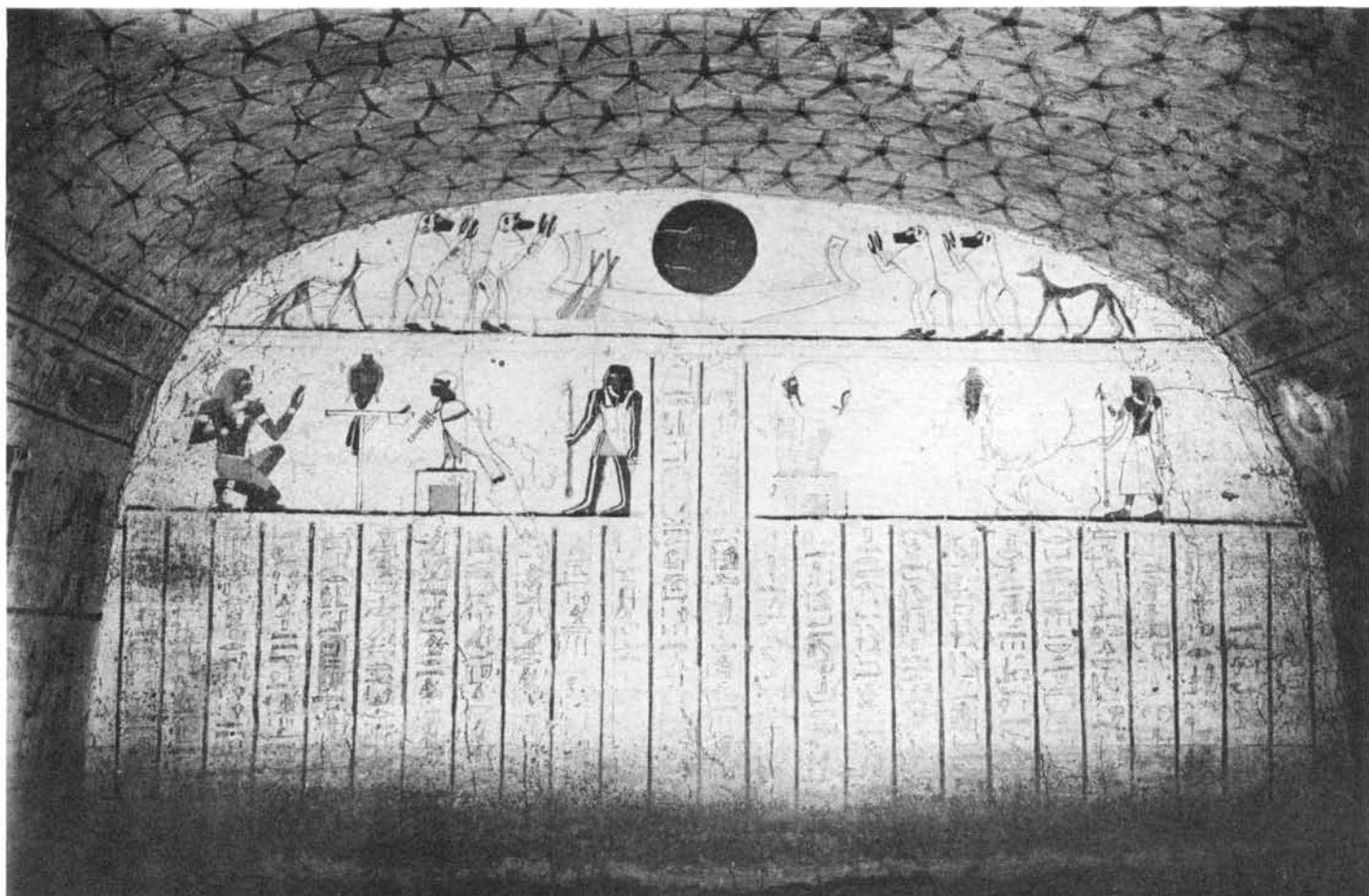
d. Ku. 16. Room A, decoration on west wall. Looking west.

B 3606



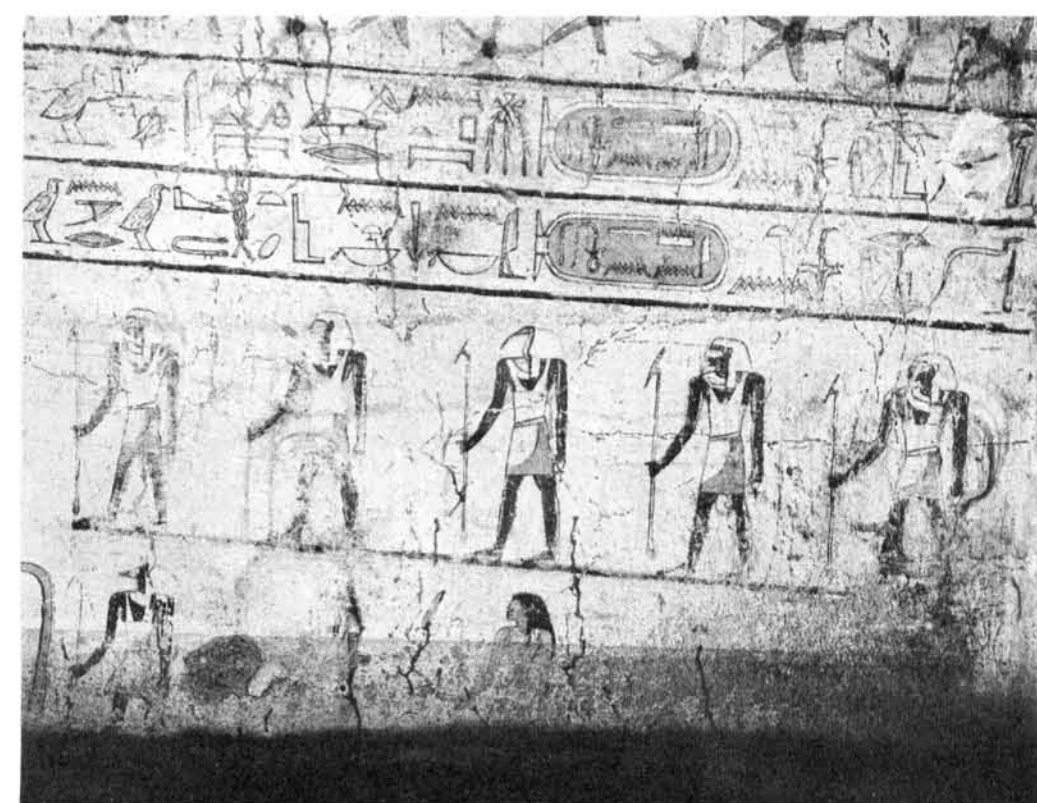
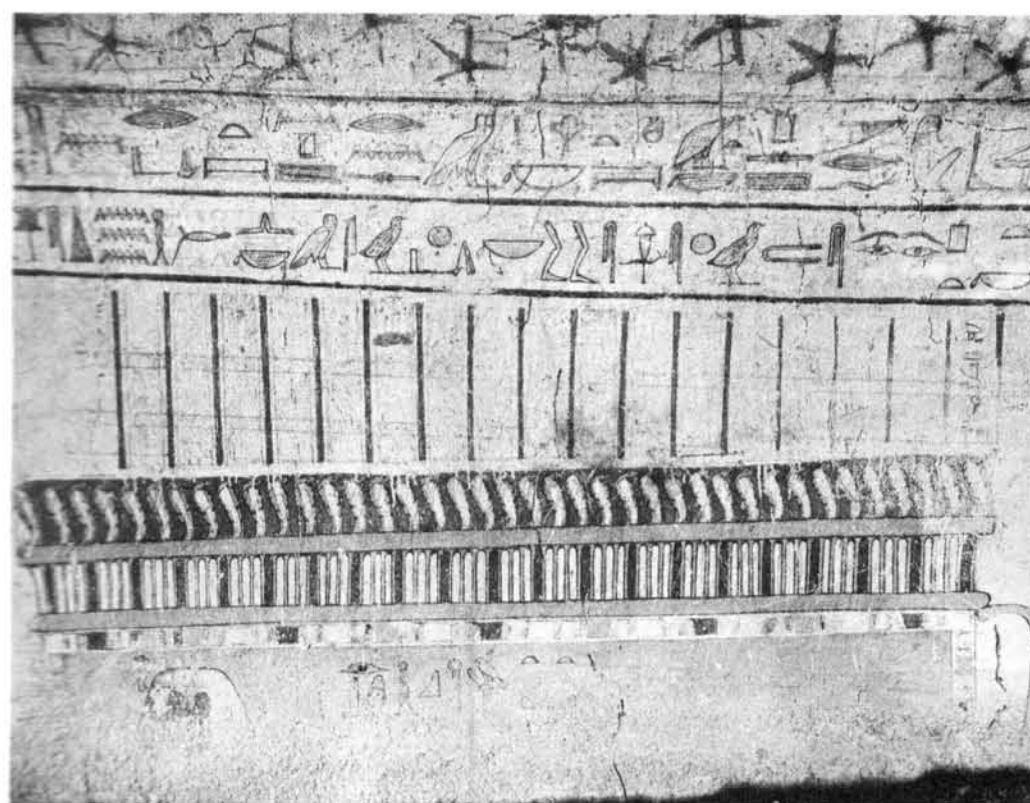
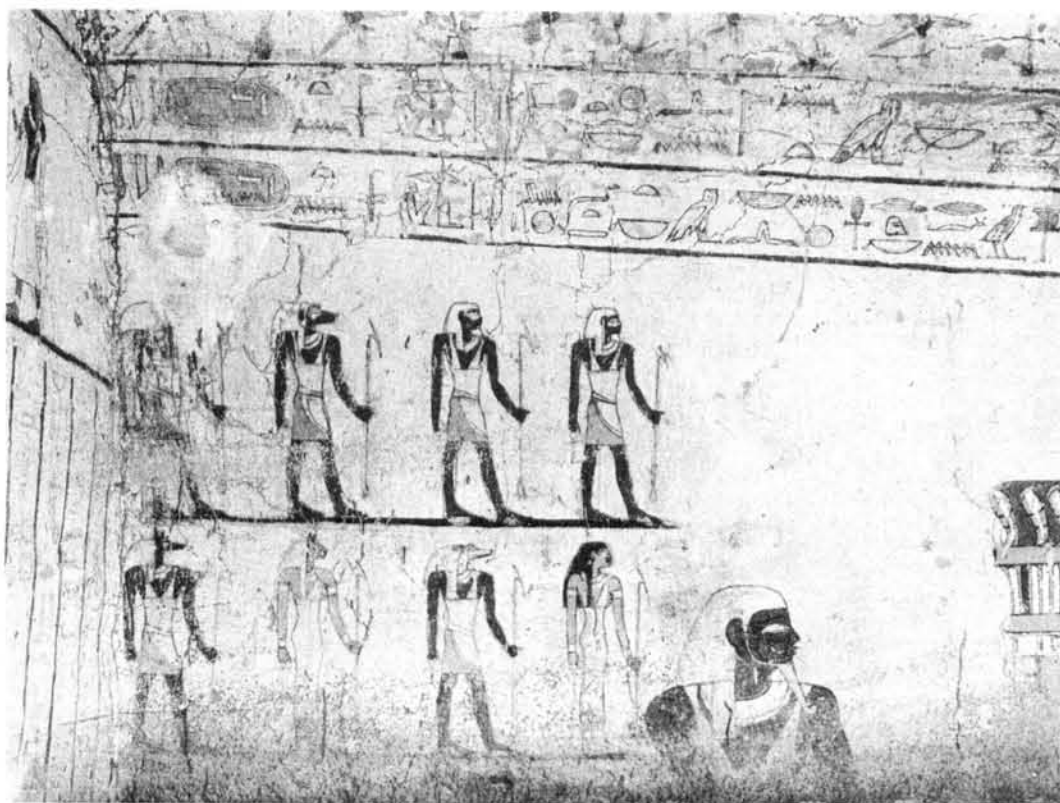
A. Ku. 16. Room B. East wall. Looking east.

A 2766



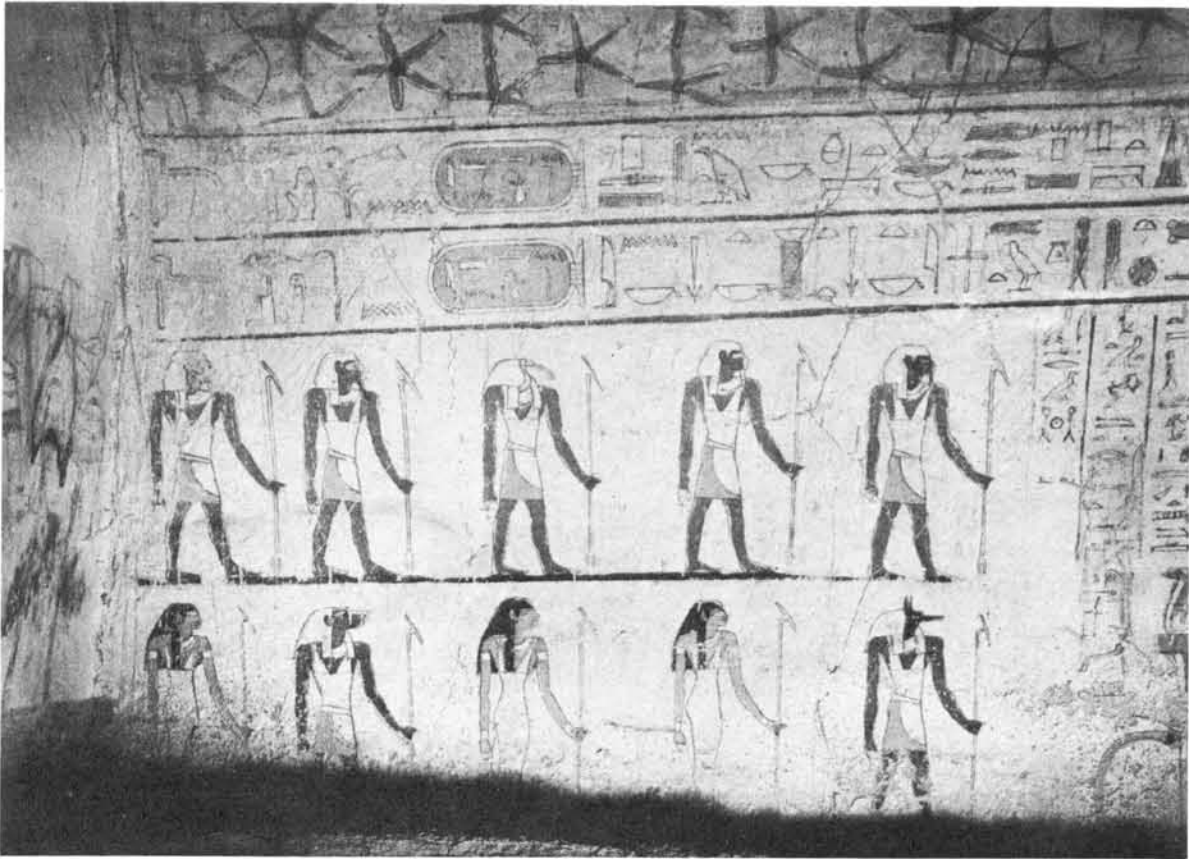
B. Ku. 16. Room B. West wall. Looking west.

A 2767

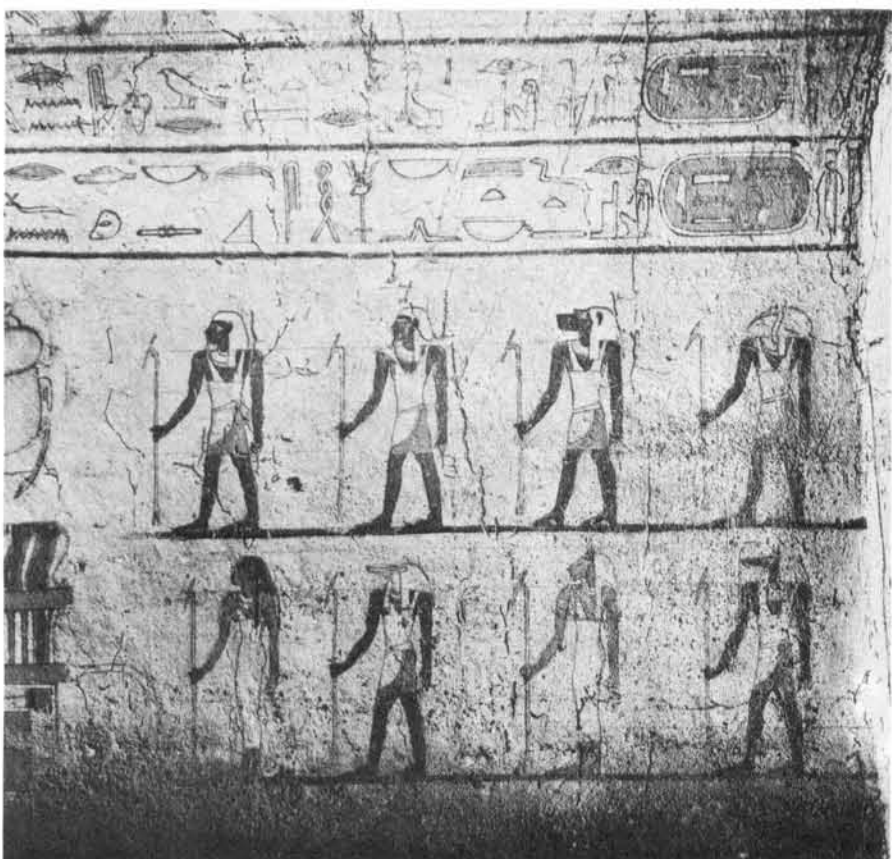
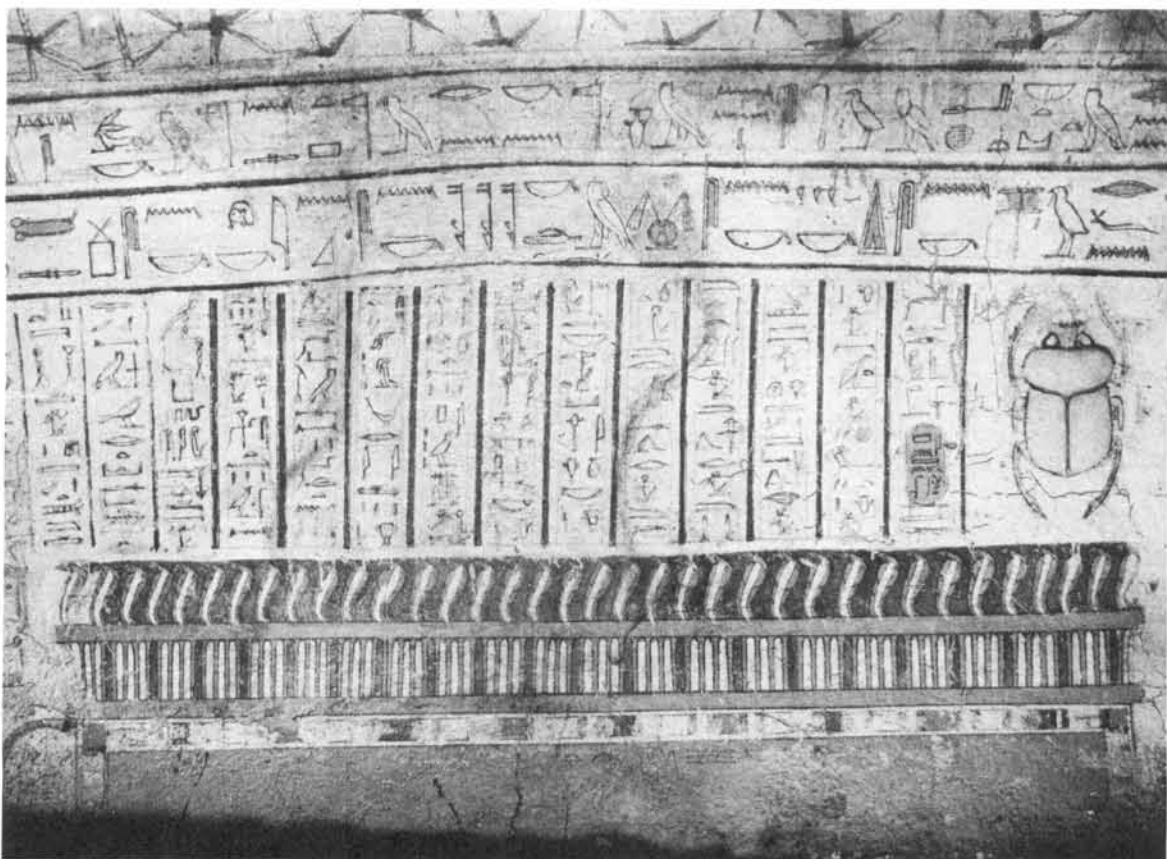


Ku. 16. Room B. North wall.

B 3616, 3617, 3618



Ku. 16. Room B. South wall.



B 3615, 3620, 3614



Ku. 17 after excavation. Looking west.

A 2804



A. Ku. 17 after excavation. Looking east. (Showing northwest corner of Ku. 1).

A 2815



B. Ku. 17. Libation stand in stair. Looking west. C 8665



C. Ku. 17. Door block.

C 8682



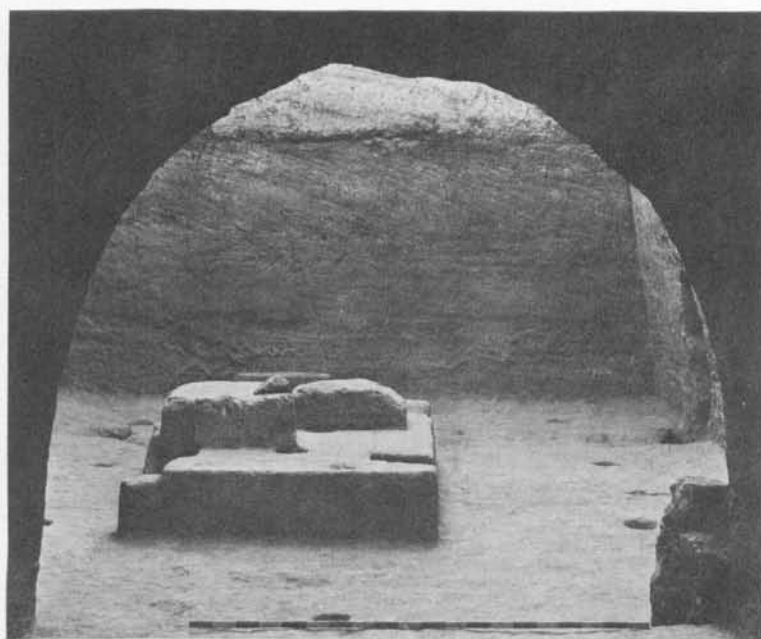
A. Ku. 18 after excavation. Looking east.

A 2818



B. Ku. 18. Door block.

B 3603



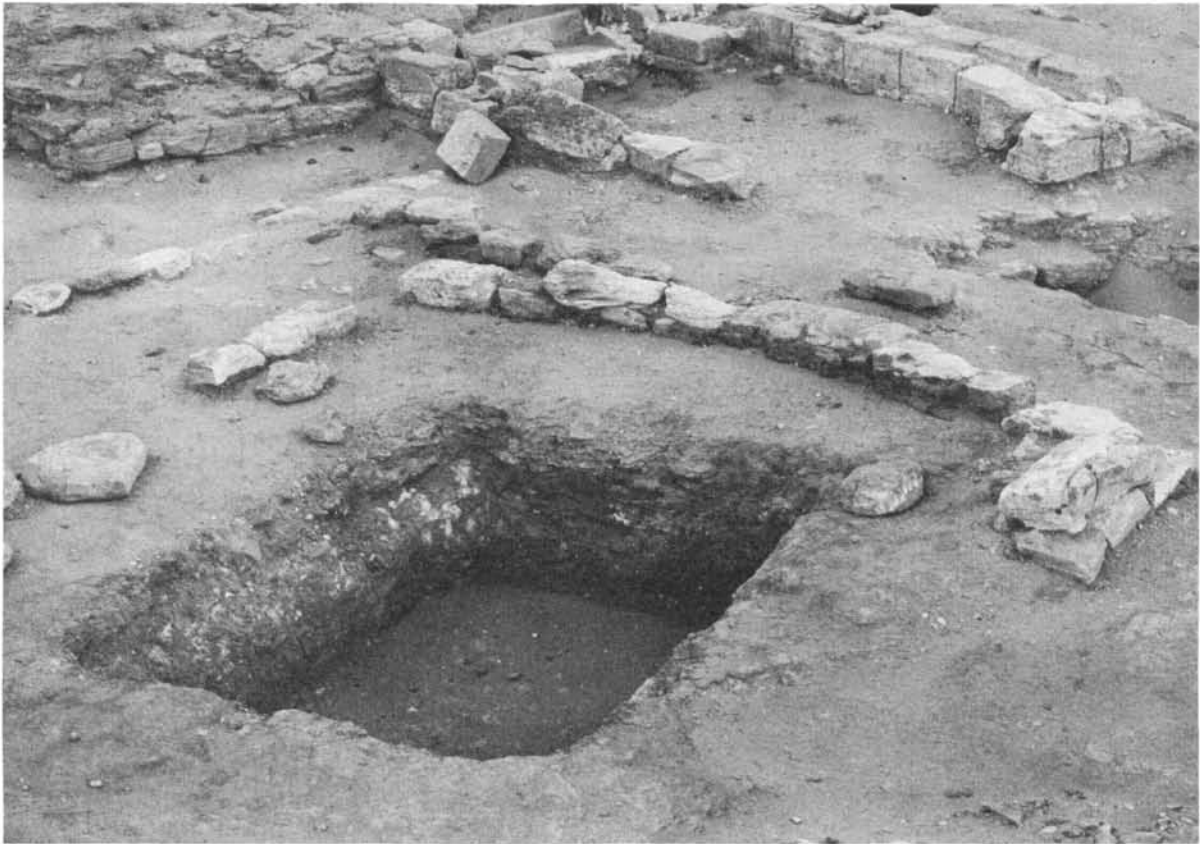
C. Ku. 18. Chamber and bench. Looking west.

B 3650



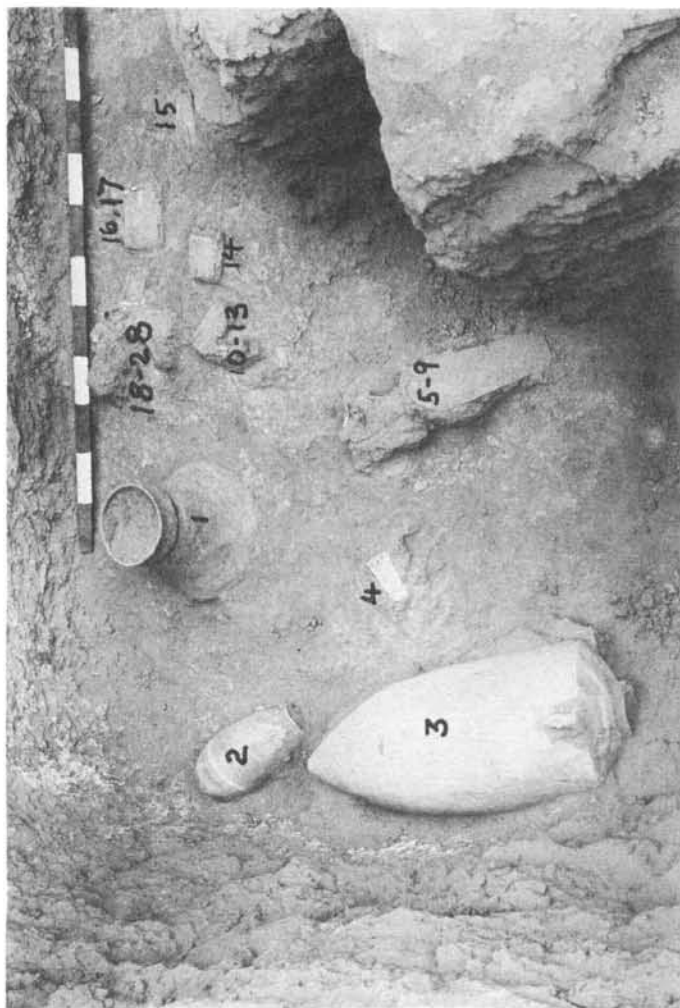
A. Ku. 19 after excavation. Looking east-southeast. (Ku. 13 and 11 beyond).

A 2793



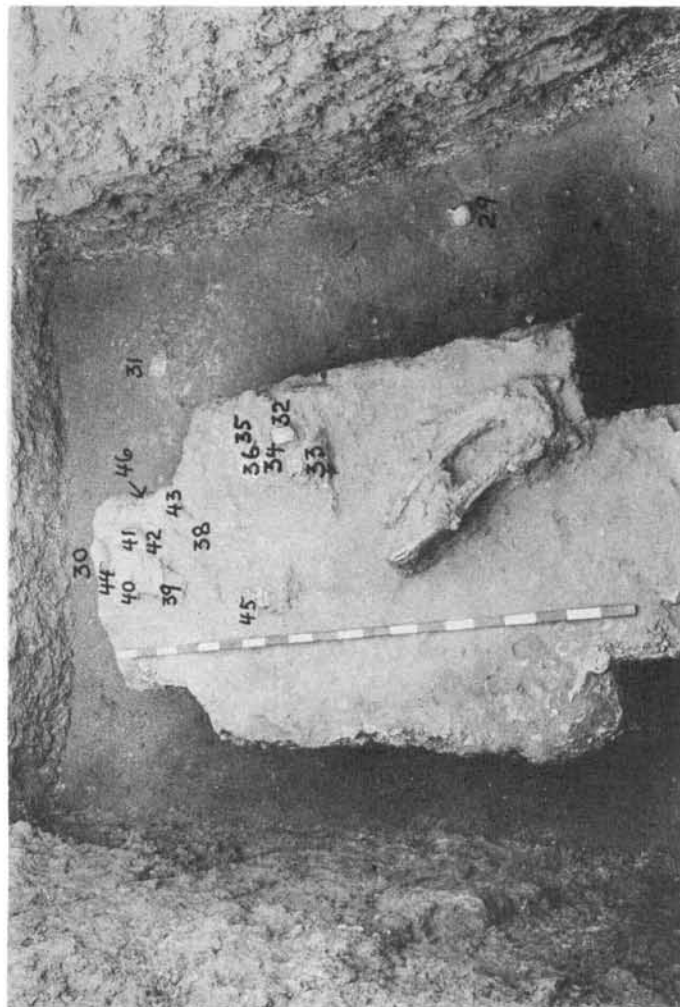
B. Ku. 21 after excavation. Looking northwest. (Chapel of Ku. 8 beyond).

B 3660



A. Ku. 52. Objects in situ in southeast corner.

B 3623



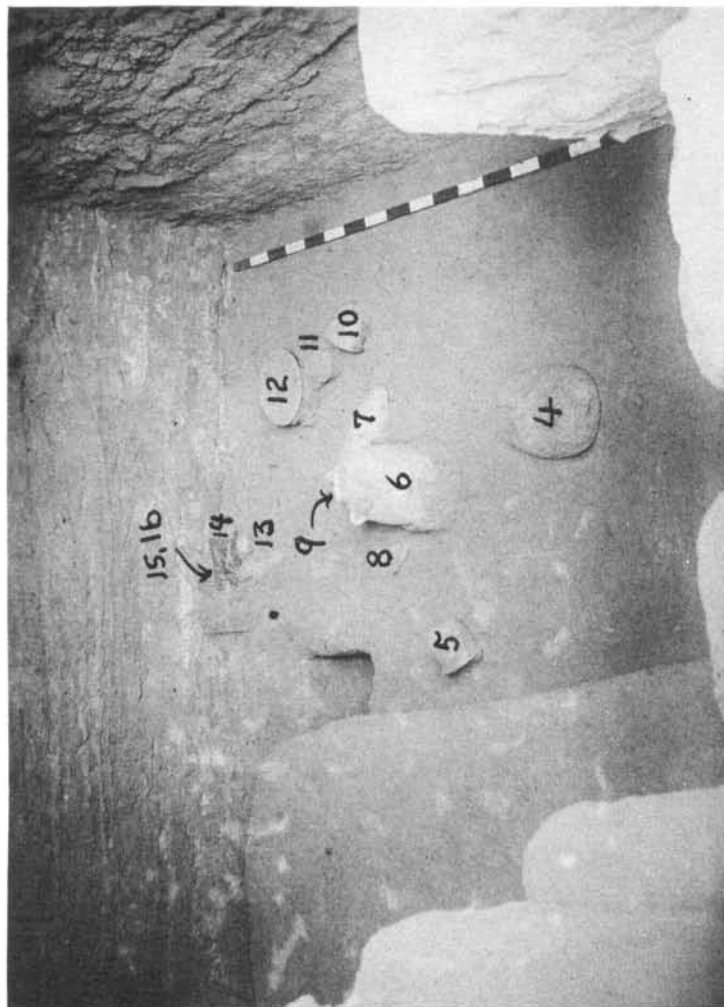
B. Ku. 52. Chamber, bench, and objects. Looking west.

B 3626



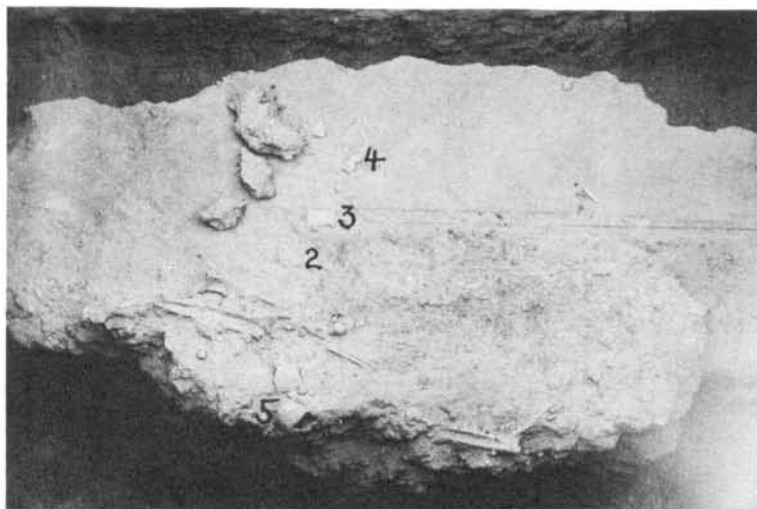
c. Ku. 53. Objects in situ in northeast corner.

C 8797

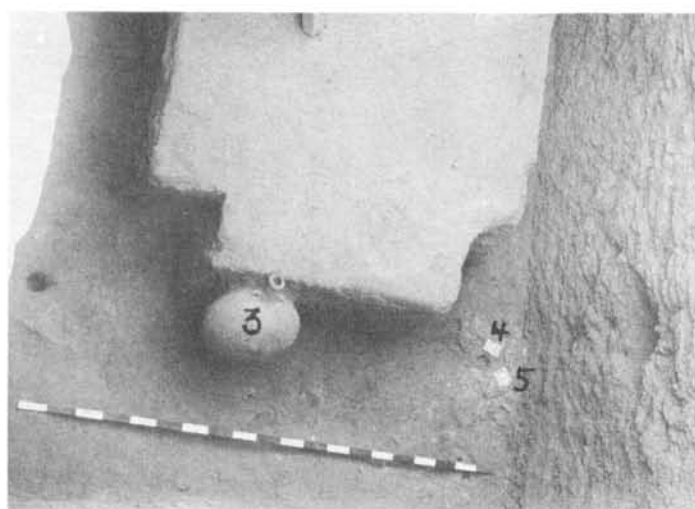


D. Ku. 53. Chamber with objects in situ. Looking west.

C 8801



A. Ku. 54. Remains of burial and objects on bench.
Looking down, south. C 8740



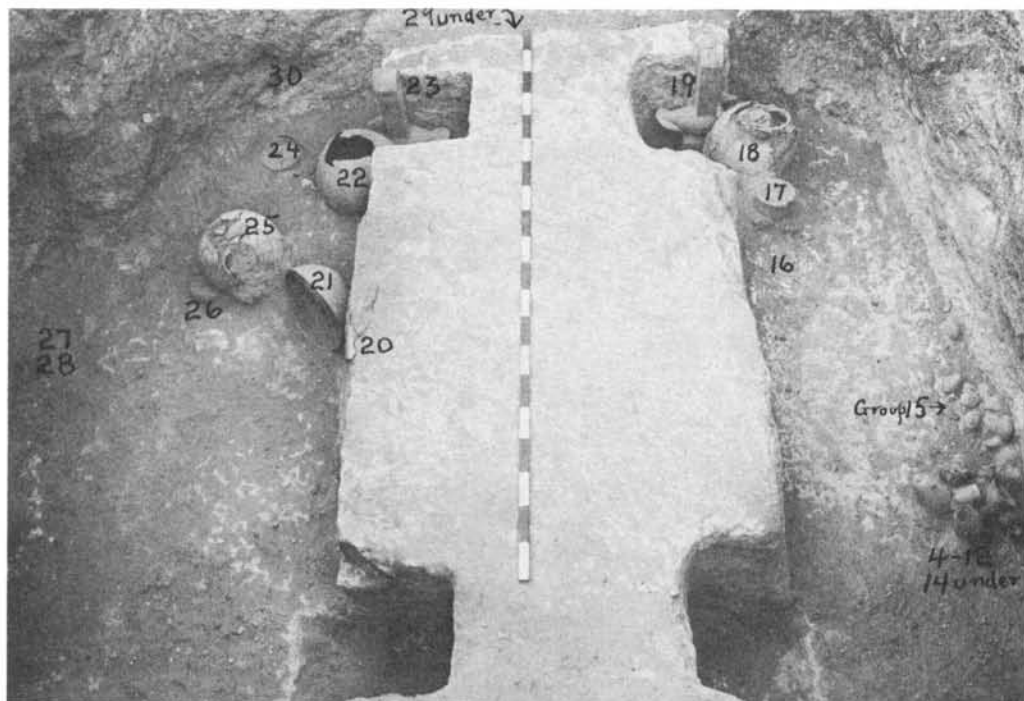
B. Ku. 55. Objects at west end of bench. C 8741



C. Ku. 55. Groups 4 and 5 in situ. A 2775



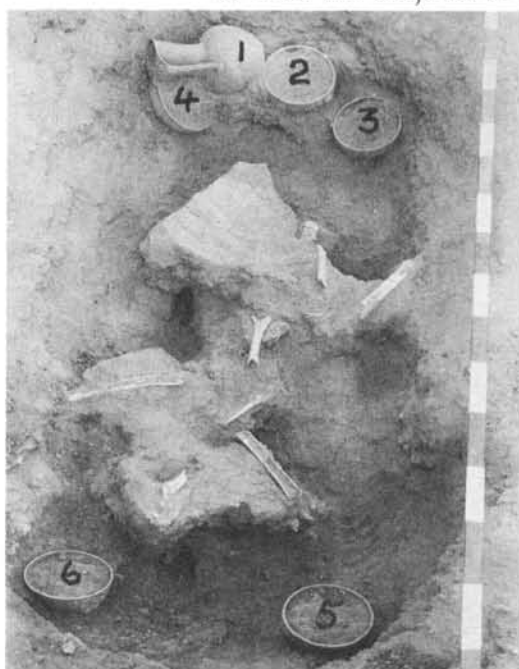
A. Ku. 61. Door block. C 8330



B. Ku. 72. Bench with objects in place. Looking east. B 3625



C. Ku. 72. Objects at west end of bench. C 8747



D. Ku. 101. Objects in situ. Looking southwest. C 8734



E. Ku. 102. Burial. Looking south. C 8742



A. Ku. 203. Looking southwest.

C 8802



B. Ku. 209. Burial. Looking northeast. B 3666



C. Ku. 209. Objects at head end, upper layer. B 3677



D. Ku. 209. Objects at head end, lower layer. B 3680



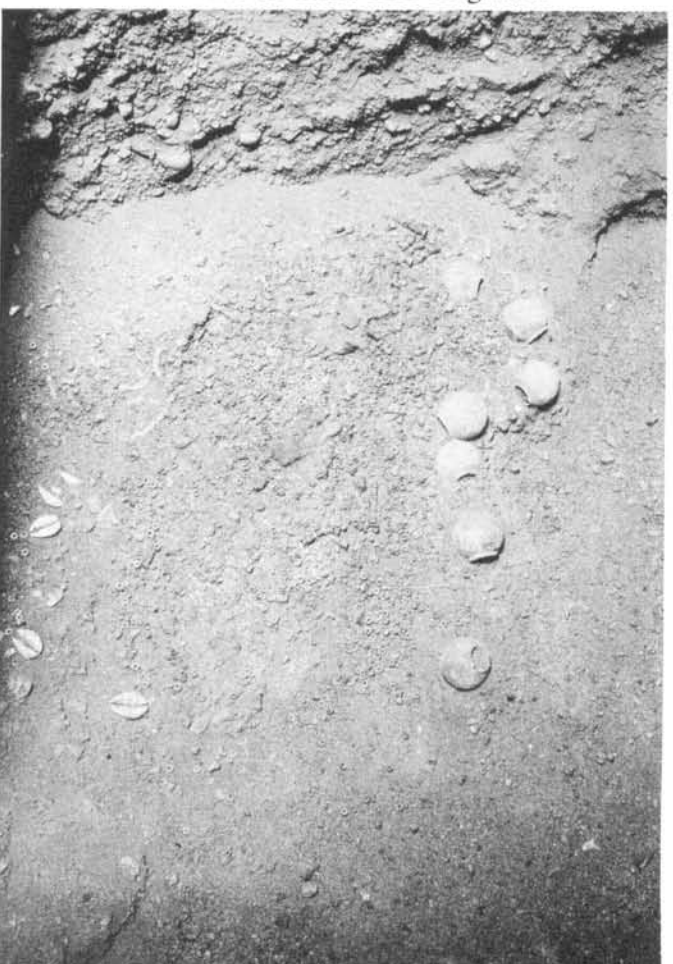
A. Ku. 210. Burial. Looking northeast. B 3665



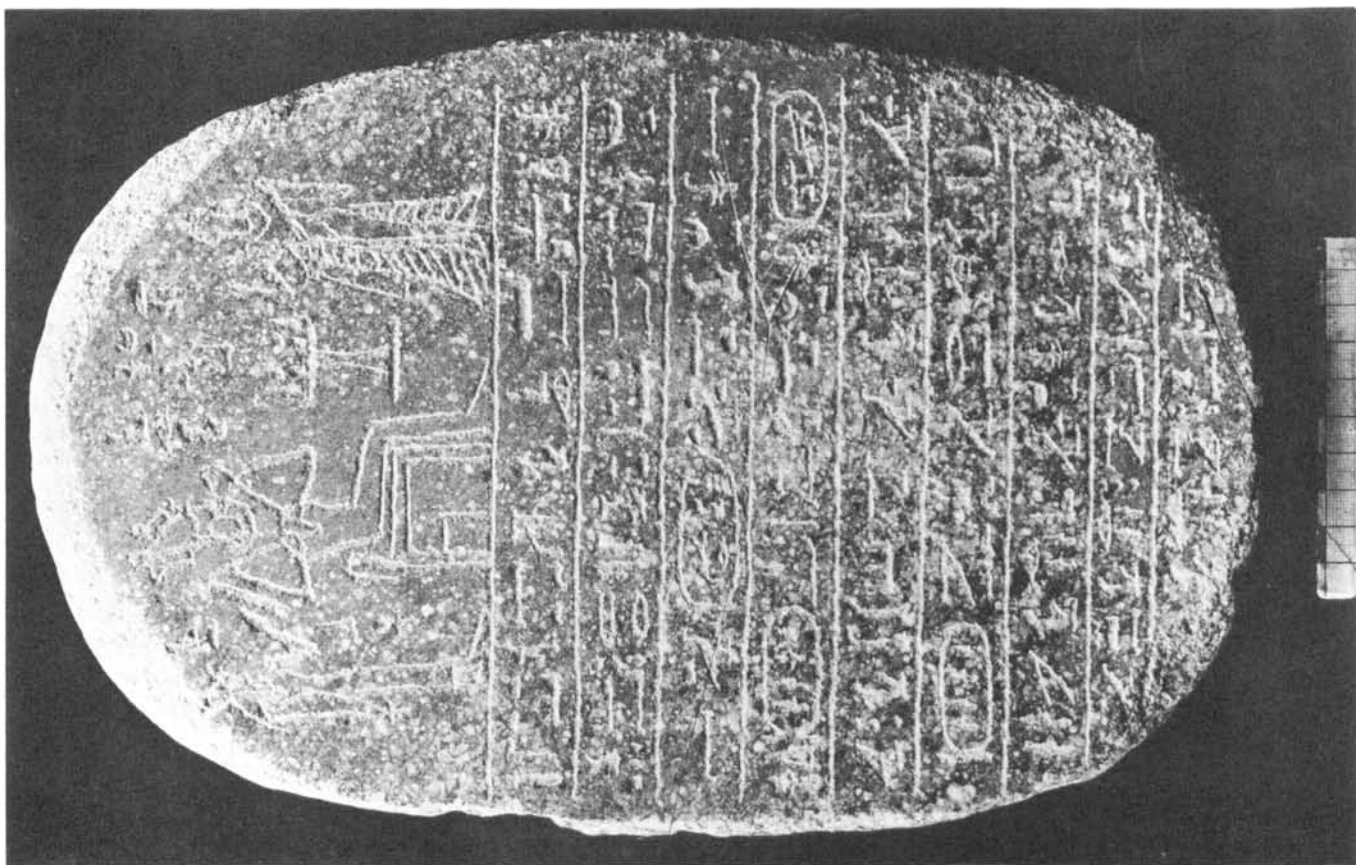
B. Ku. 211. Beads at head end of grave. B 3678



C. Ku. 212. Beads at head end, first stage. B 3679

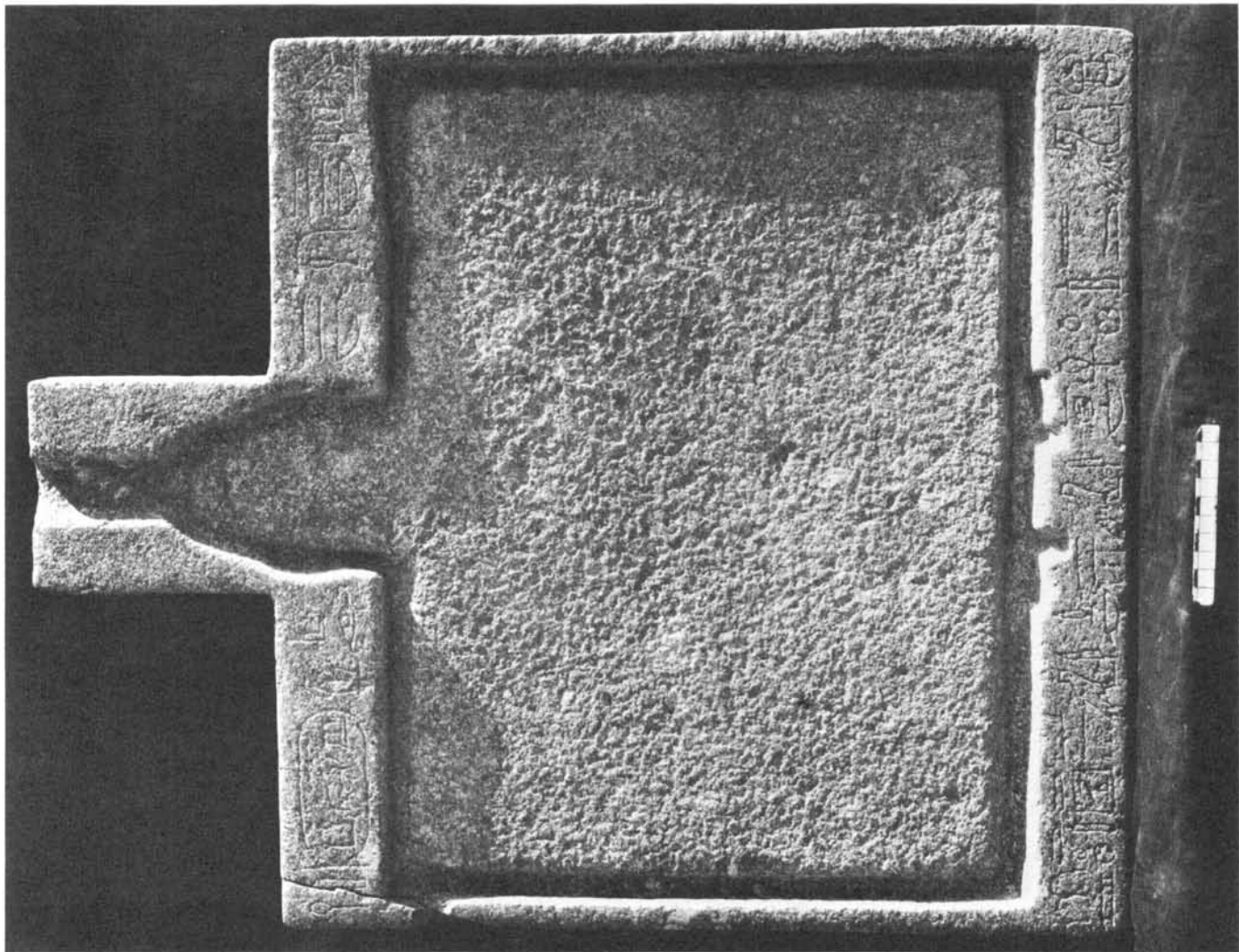


D. Ku. 212. Beads at head end, second stage. B 3672



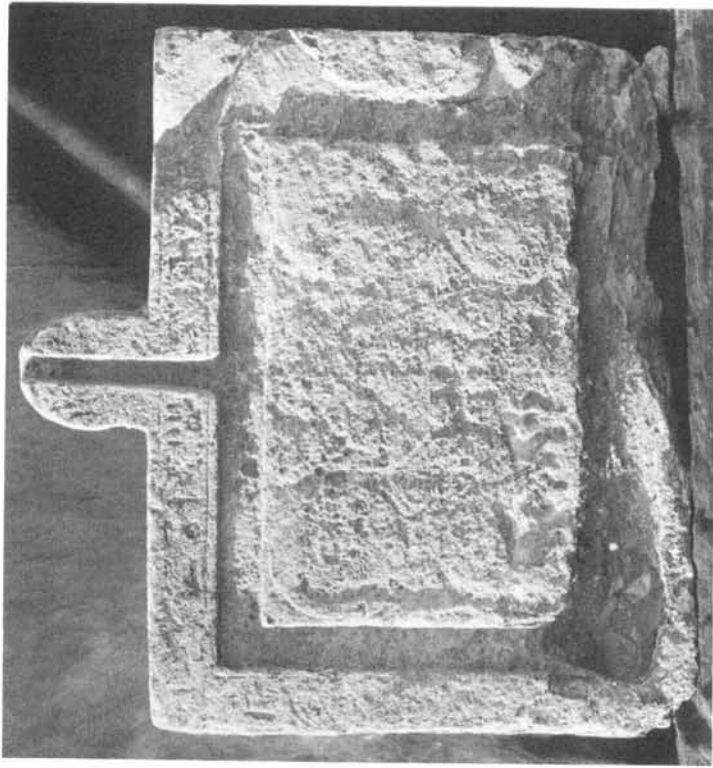
A. Ku. 53. Stela of Tabiry. 19-3-1366.

A 2798

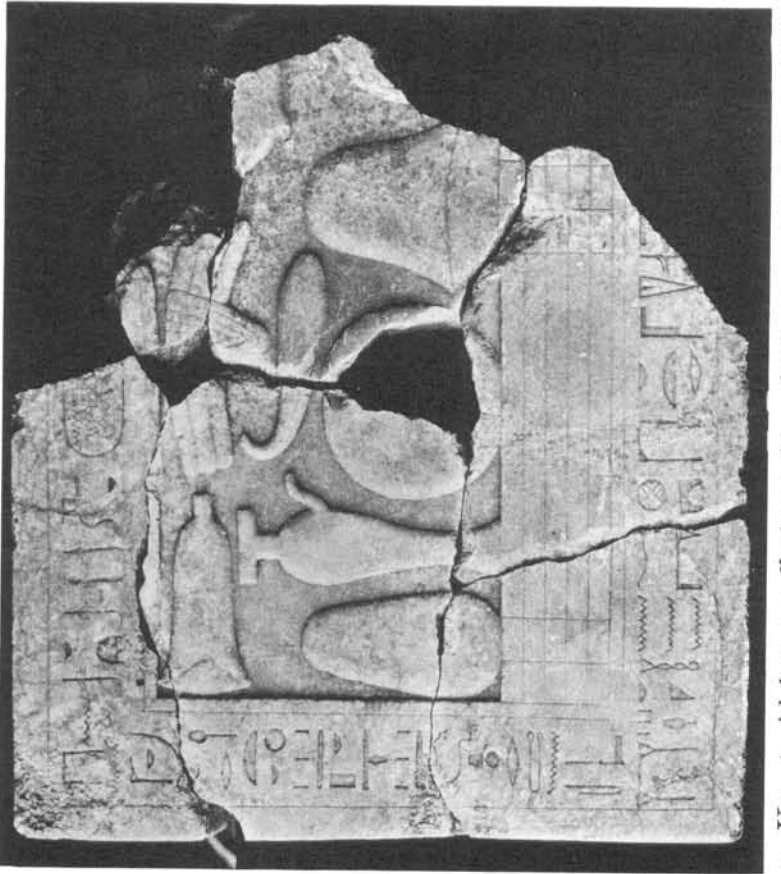


B. Ku. 15. Offering table of Shabako. 19-2-673.

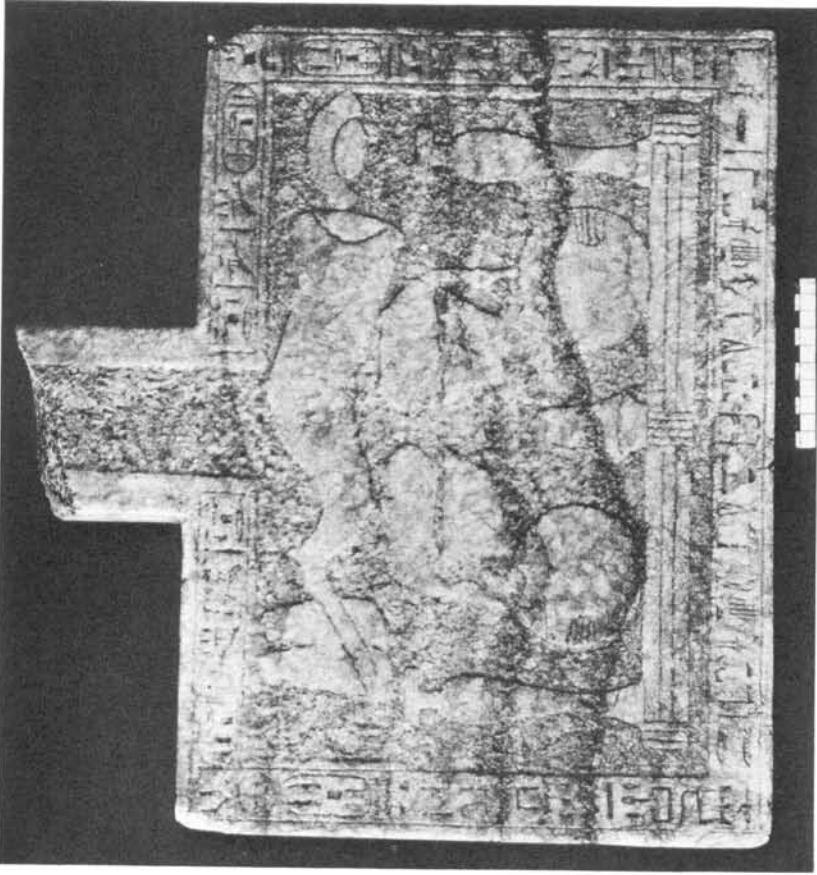
A 2828



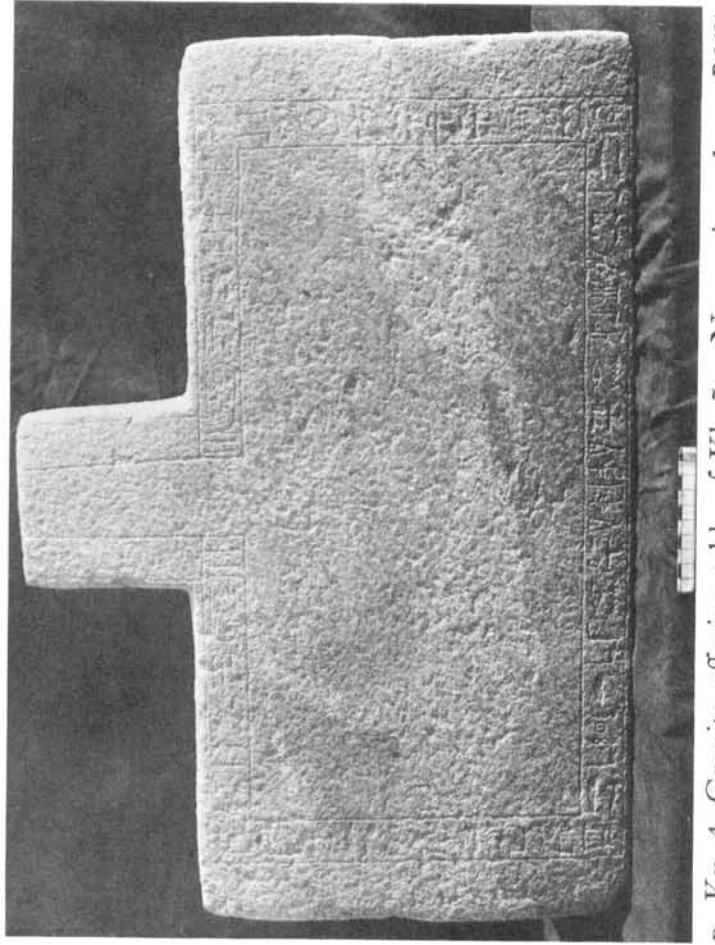
A. Ku. 18. Limestone offering table. 18-3-1580. B 3720



C. Ku. 4. Alabaster offering table of Kheṇsa. 19-3-543. B 3635



B. Ku. 3. Alabaster offering table of Nāparaye. 19-3-588. B 3636



D. Ku. 4. Granite offering table of Kheṇsa. Not registered. B 3654



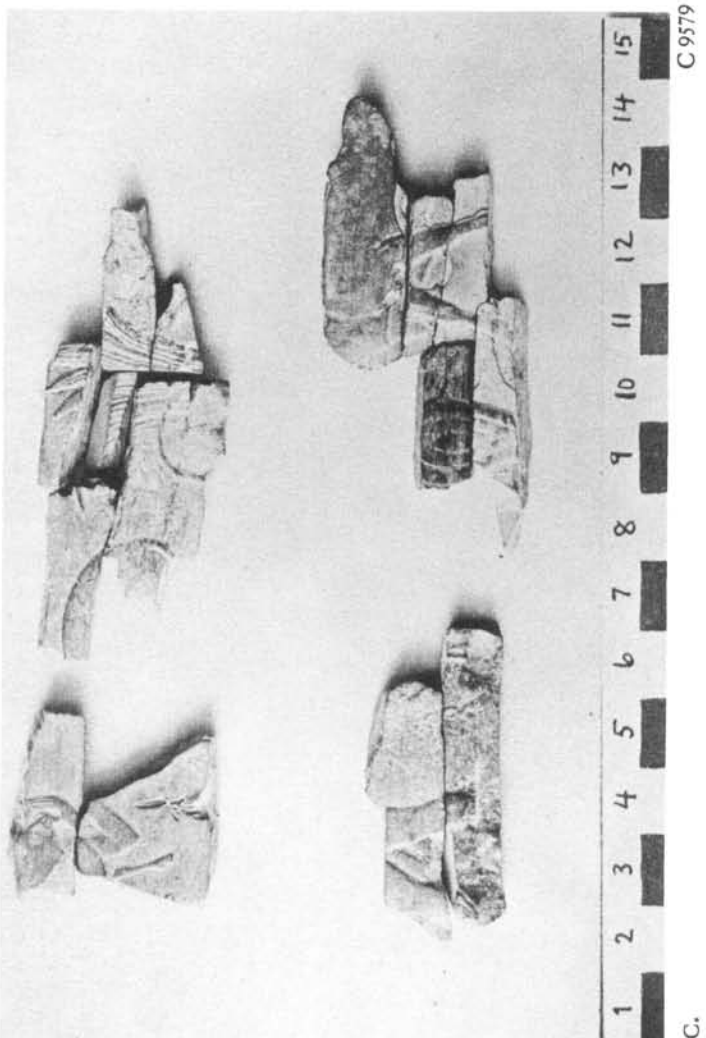
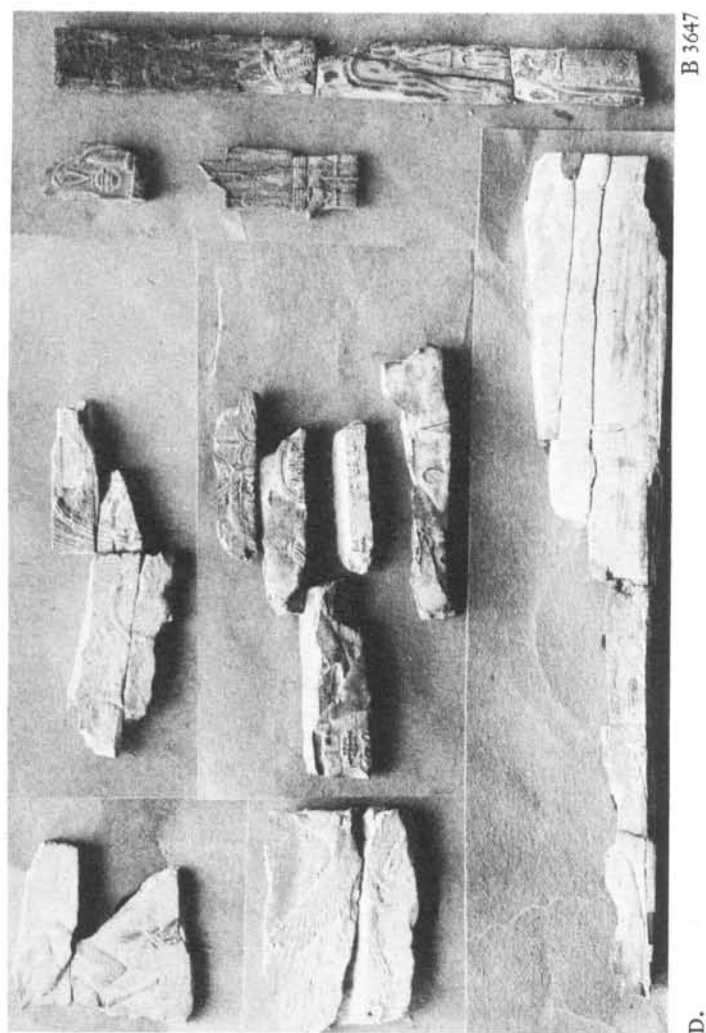
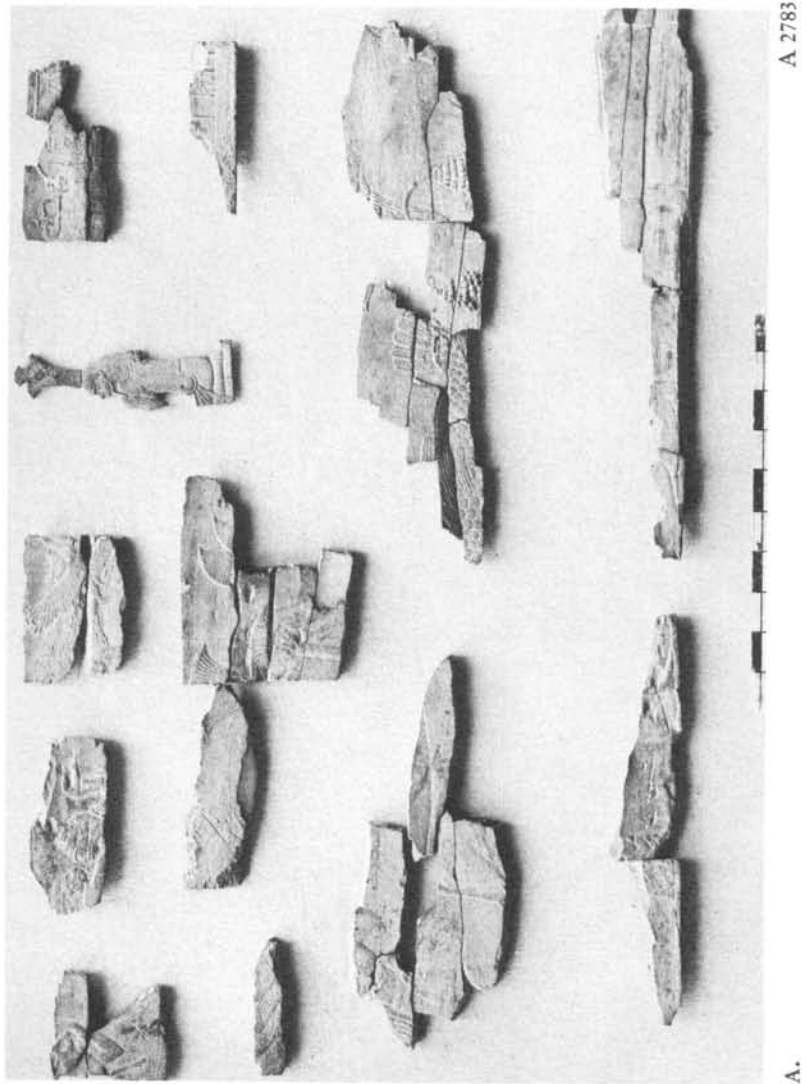
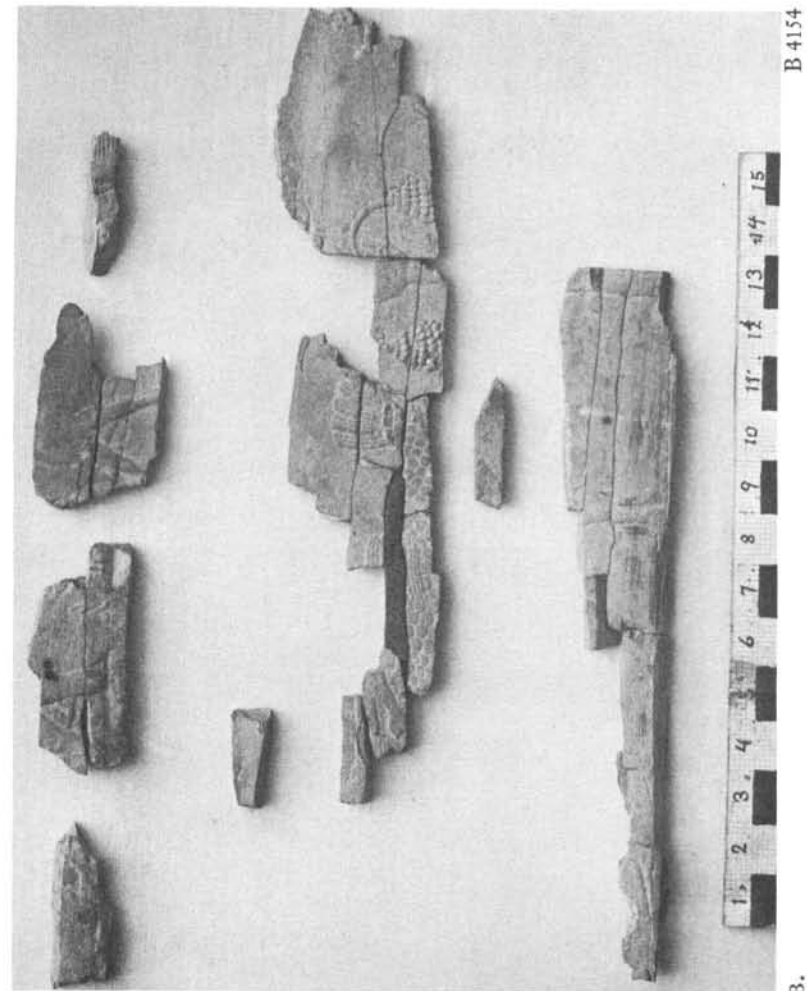
A. Ku. 16. Granite offering table of Tanwetamani. 19-4-200. B 3719



B. Ku. 16. Fragments of faience offering table of Tanwetamani. 19-4-176. B 3721



C. Ku. 1. Fragment from faience offering table of Kashta. 19-3-537. EG. 25



A-D. Ku. 15. Fragments of carved ivory. 19-3-231.

CARVED IVORY



A. Ku. 15. Ivories. 19-3-233 and 234. C 9588



B. C 9587



C. C 9578



D. C 9586

B-D. Ku. 15. Ivory fragments. 19-3-232.



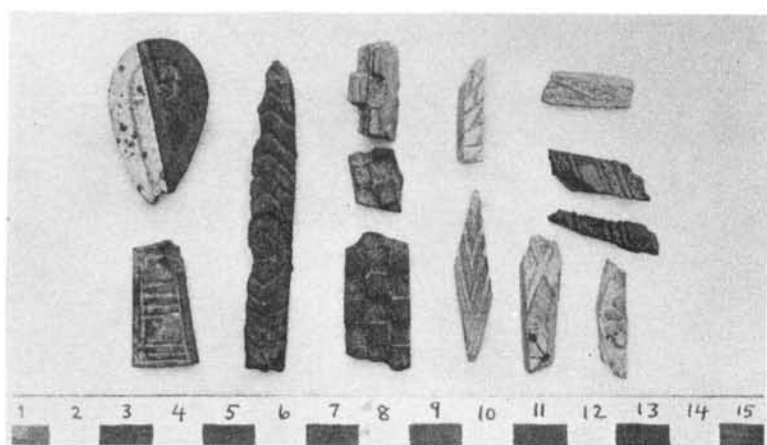
E. Ku. 18. Ivories. 19-3-1581a. A 2827

CARVED IVORY



A. Ku. 18. Ivory fragments. 19-3-1581c.

C 9592



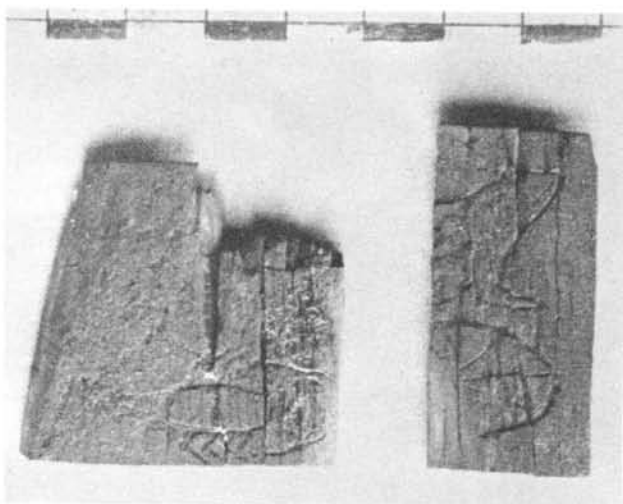
B. Ku. 18. Ivory fragments. 19-3-1851c.

C 9595



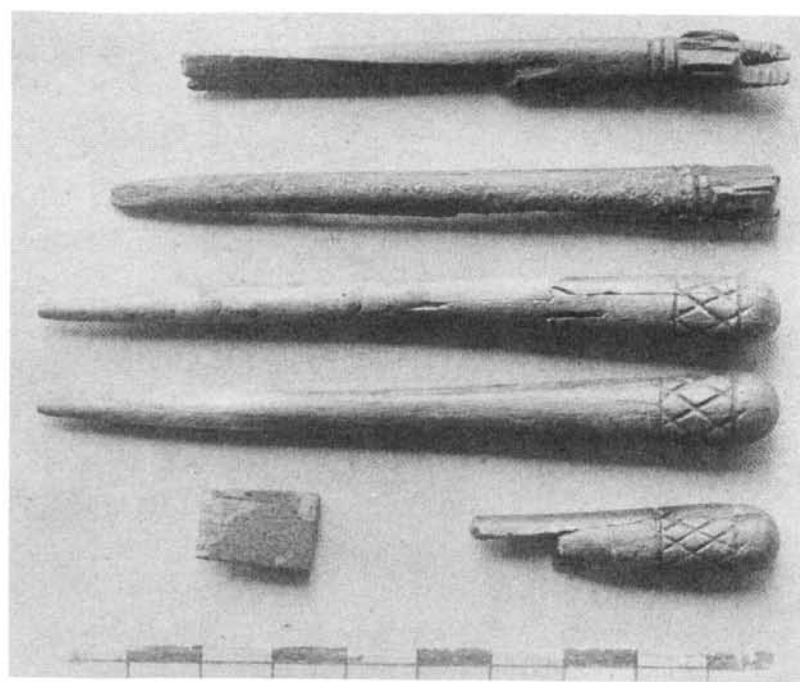
C. Ku. 18. Ivory fragments. 19-3-1581b.

B 4153



D. Ku. 52. Ivory. 19-3-1040.

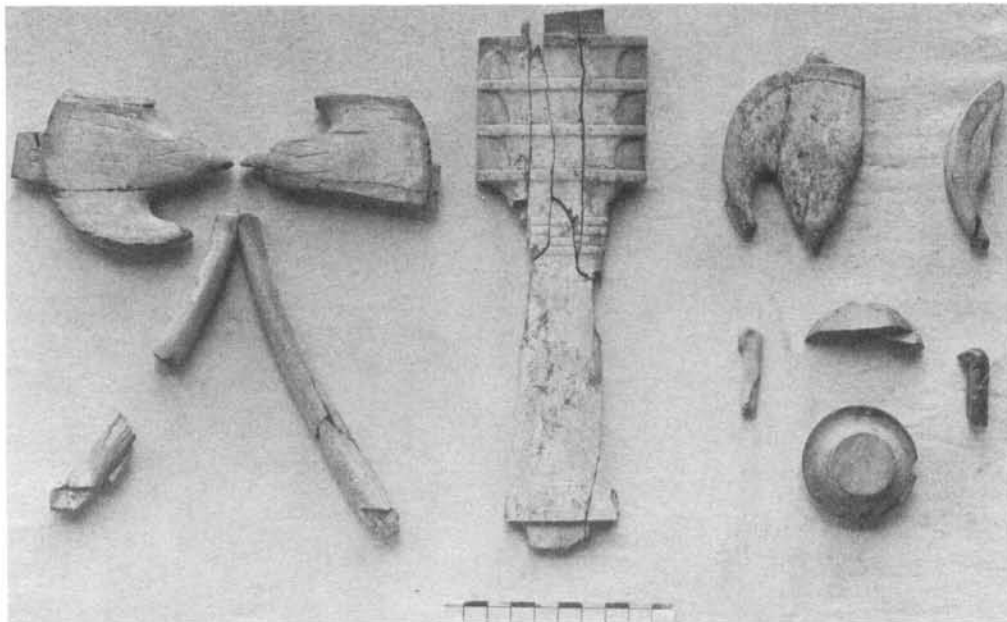
C 8806



E. Ku. 53. Ivory pins. 19-3-1558.

C 8807

CARVED IVORY



A. Ku. 62. Ivories. 19-3-1460j.

B 3653



B. Ku. 62. Ivory fragments. 19-3-1460. C 8796



C. Ku. 62. Ivory fragments. 19-4-67.

C 8852



D. Ku. 72. Ivories. 19-3-1553.

B 3723

CARVED IVORY



A. Ku. 17. Canopic jars. C 8771
19-3-261, 720.



B. Ku. 15. Canopic head. C 8770
19-2-676.



C. Ku. 15. Canopic head. C 8768
19-2-677.



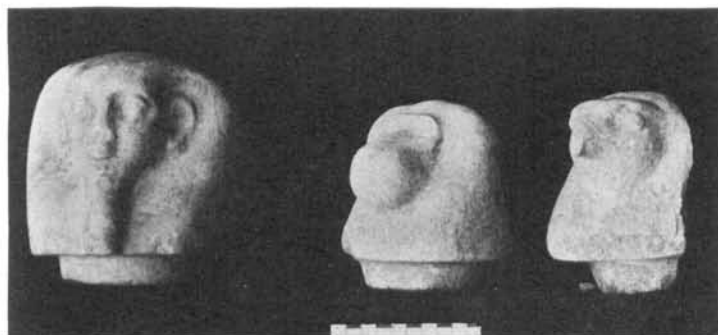
D. Ku. 18. Canopic jars. C 8772
19-3-733, 769.



E. Ku. 16. Canopic heads. 19-3-572, 573, 571. C 8757



F. Ku. 16. Canopic head. C 8761
19-3-573.



H. Ku. 15 and Ku. 3. Canopic heads. C 8759
19-2-677, 19-3-574, 575.



G. Ku. 52. Faïence miniature C 8845
canopic jars.
19-3-1079, 1130, 1136, 1159.

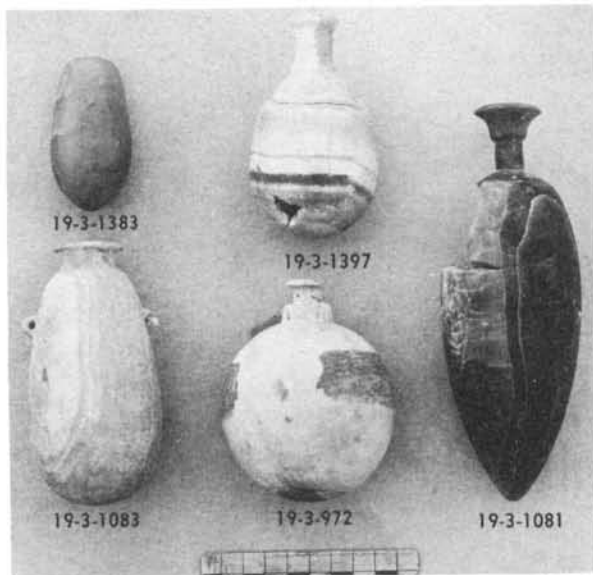


I. Ku. 4. Canopic heads. 19-3-570, 435, 542. C 8758

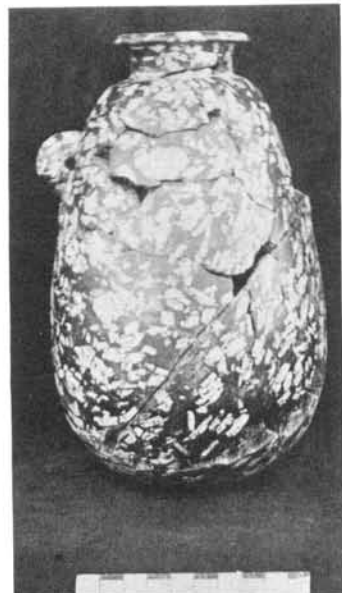
CANOPIC JARS



A. Ku. 55. 19-3-240. C 8794



D. Row 1. Ku. 54.
Row 2. Ku. 52, Ku. 51, Ku. 52. B 3681



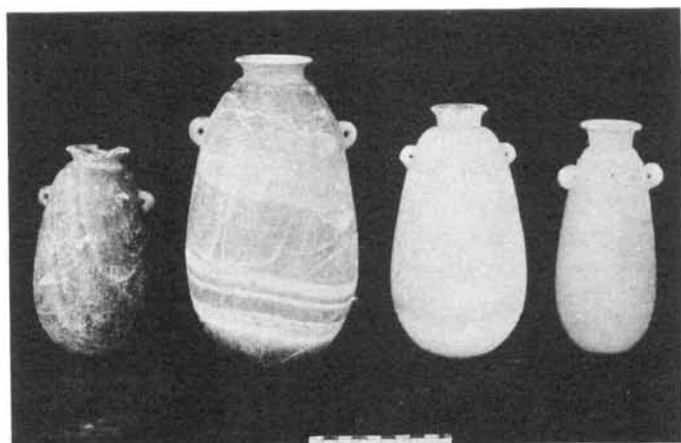
E. Ku. 15. 19-3-217. C 8788



B. Ku. 22. 19-3-628, 630 (with 19-2-404). B 3642



F. Ku. 52. 19-3-1033. Ku. 53. 19-3-1365. C 8808

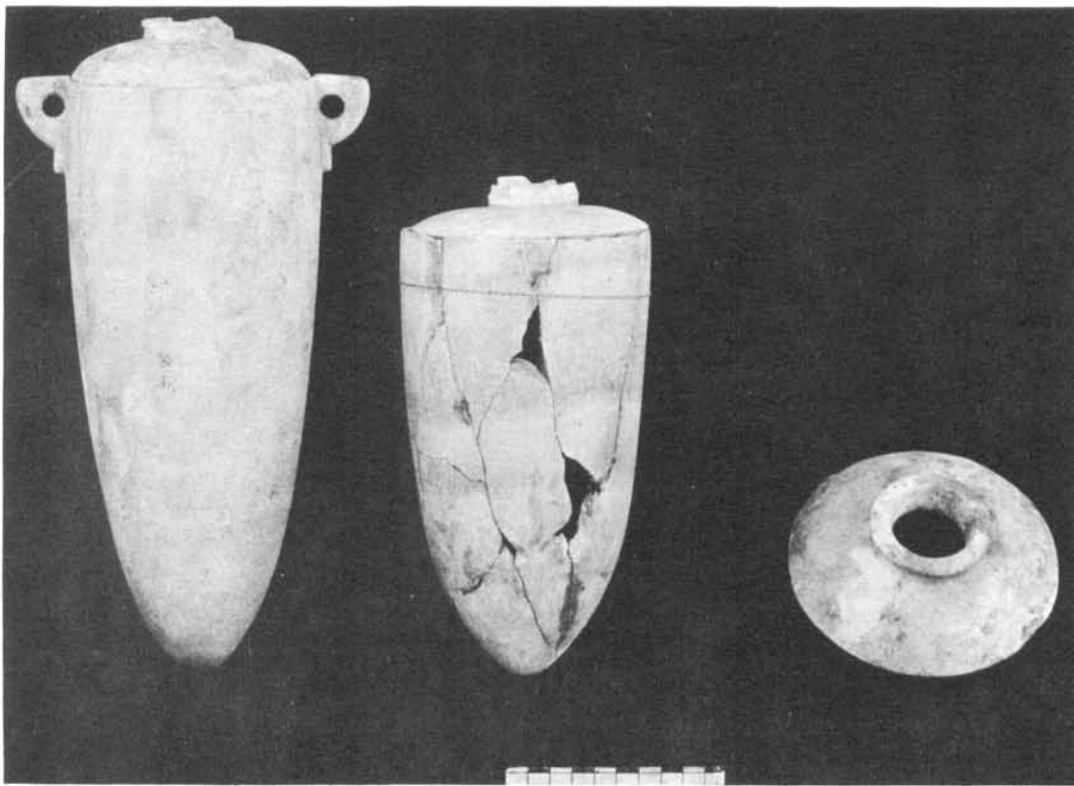


C. Ku. 54. 19-3-1384. Ku. 52. 19-3-1032. C 8812
Ku. 55. 19-3-1447. Ku. 52. 19-3-1055.



G. Ku. 53. 19-3-1364, 1204. C 8809

STONE VESSELS

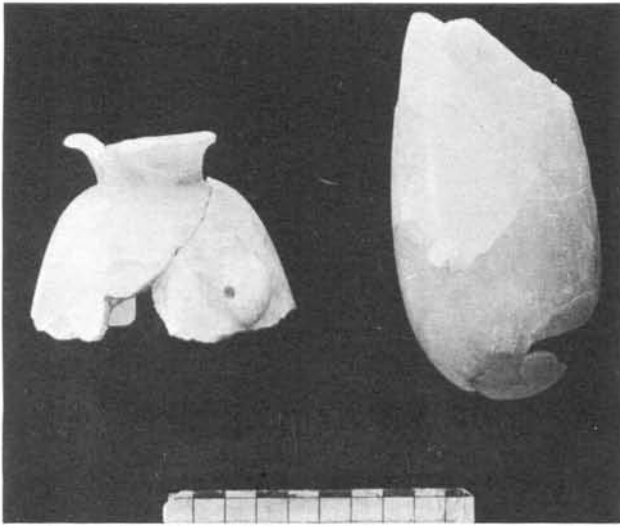


A. Ku. 53. 19-3-1363, 1223, 1359.

C 8811

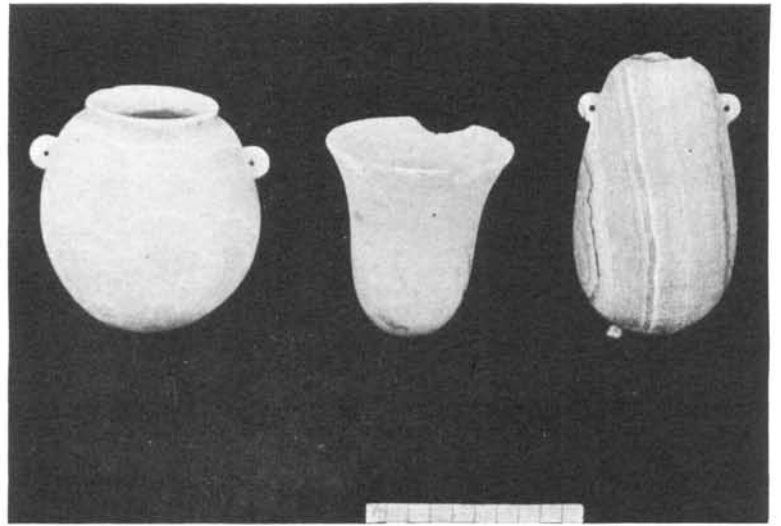


D. Ku. 72. 19-3-1529, 1523.
C 8844



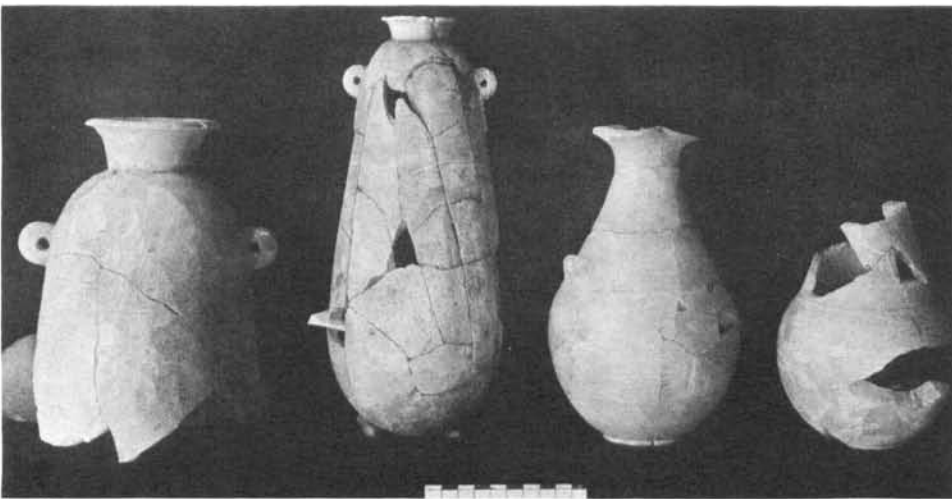
B. Ku. 62. 19-3-1489, 1490.

C 8835



C. Ku. 72. 19-3-1525, 1524, 1539.

C 8823



E. Ku. 4. 19-3-564, 560, 562, 563.

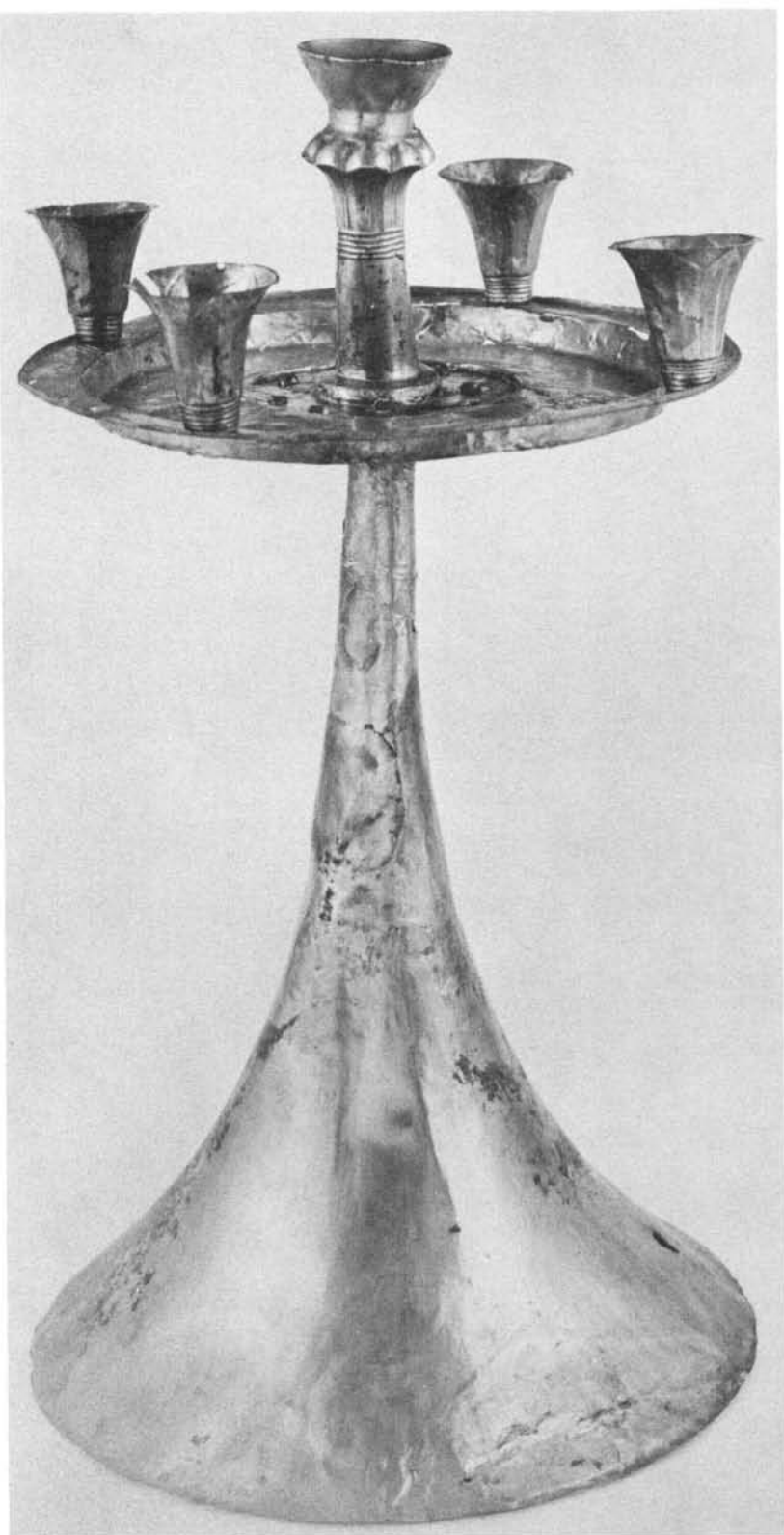
B 3629



F. Ku. 4. Agate bowl. 19-3-434.

MFA B11612

STONE VESSELS



A. Ku. 17. Libation stand of Pi'ankhy, restored. 19-2-674.
MFA C 13267



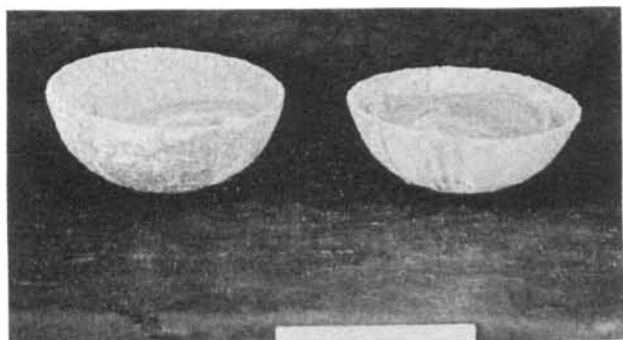
B. Ku. 17. 19-2-674, top as found.

C 8831



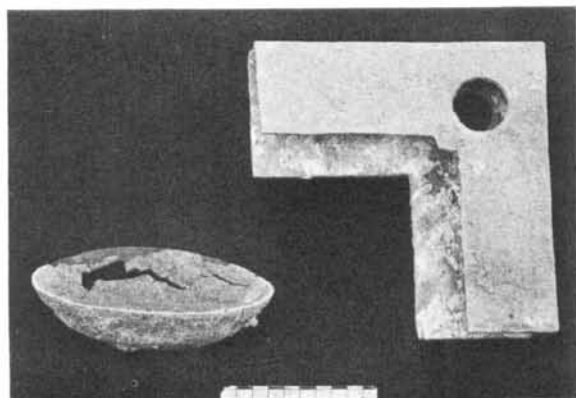
C. Ku. 17. 19-2-674, base as found.

C 8830



D. Ku. 51. 19-3-968, 970.

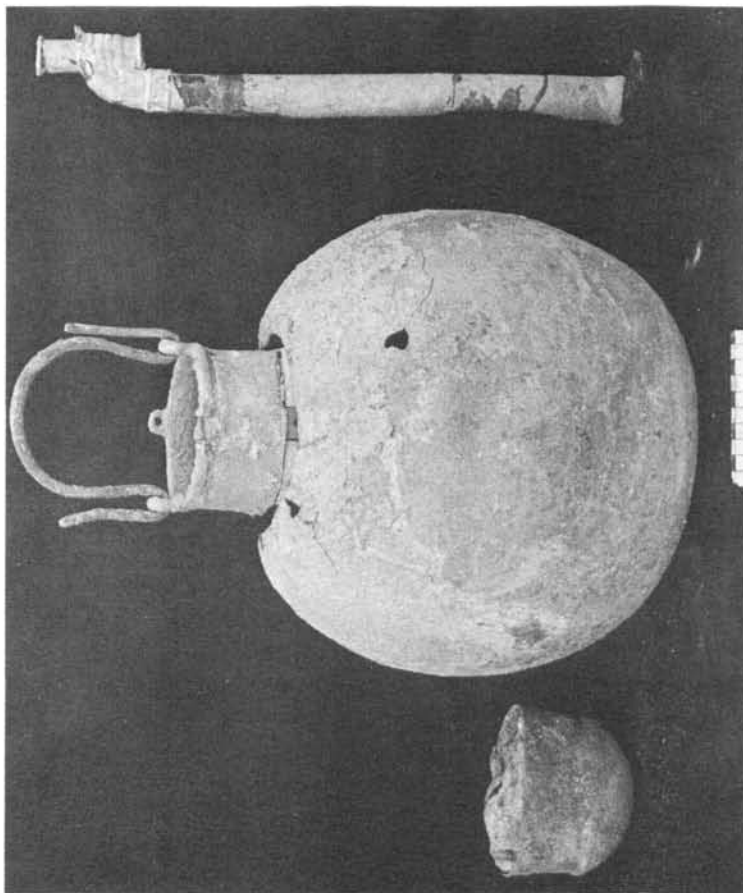
C 8822



E. Ku. 72. 19-3-1549, 1543.

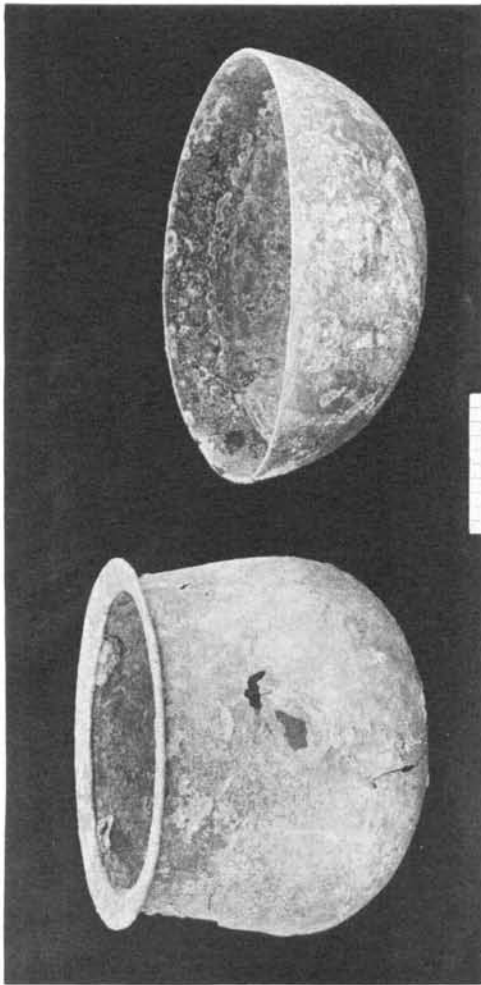
C 8829

BRONZE VESSELS



A. Ku. 72. 19-3-1552, 1551, 1545.

B 3704



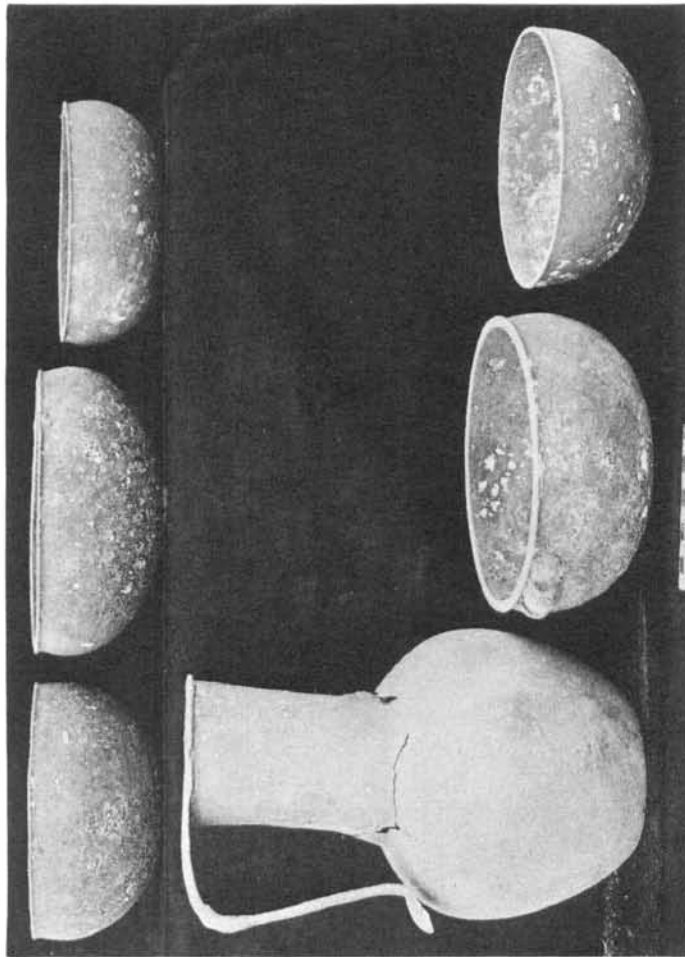
B. Ku. 72. 19-3-1548, 1547.

B 3705



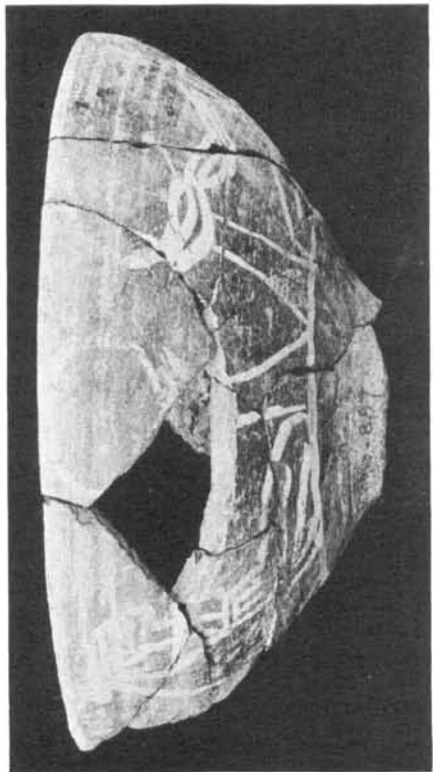
C. Ku. 4. 19-3-561.

B 3706



D. Ku. 101. 19-3-964, 965, 967. 19-3-962, 963, 966.

B 3652



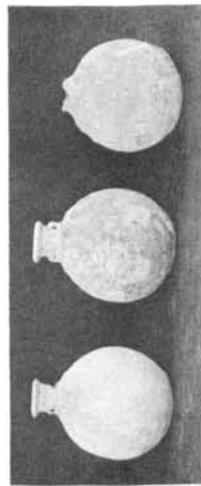
A. Ku. 19. 19-3-887.

C 8792

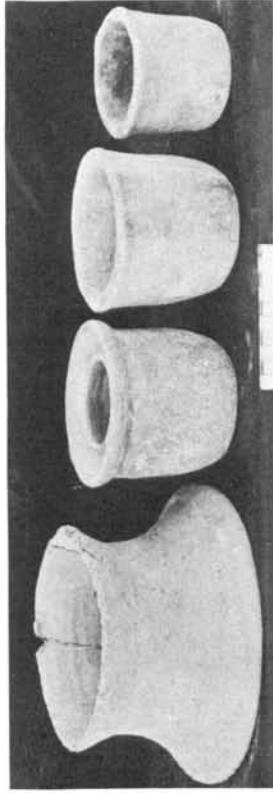


B. Ku. 19. 19-3-834.

C 8793

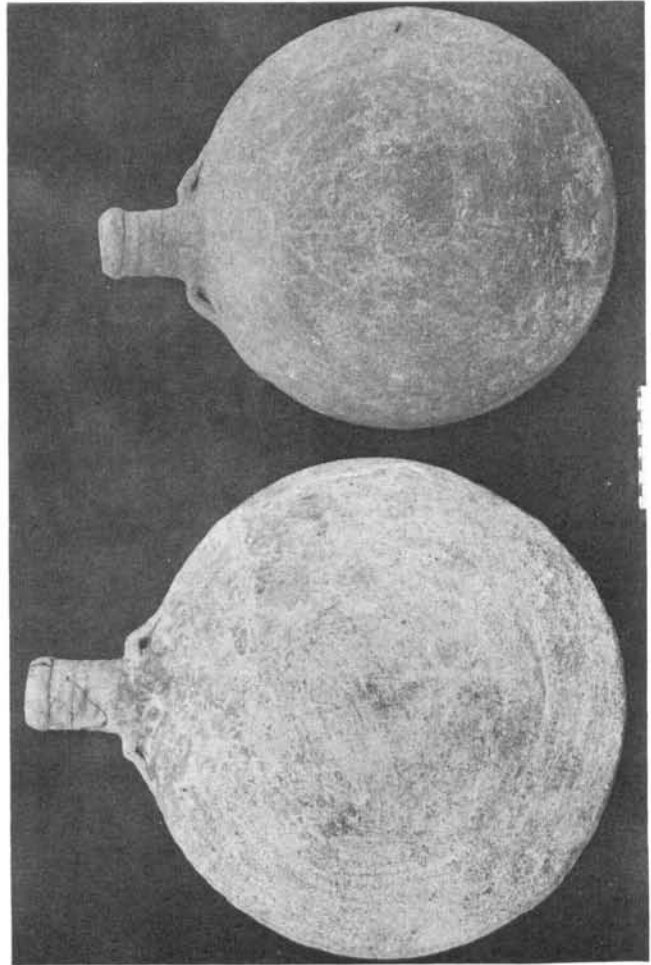


C. Ku. 53. All faience. 19-3-1205.
C 8845



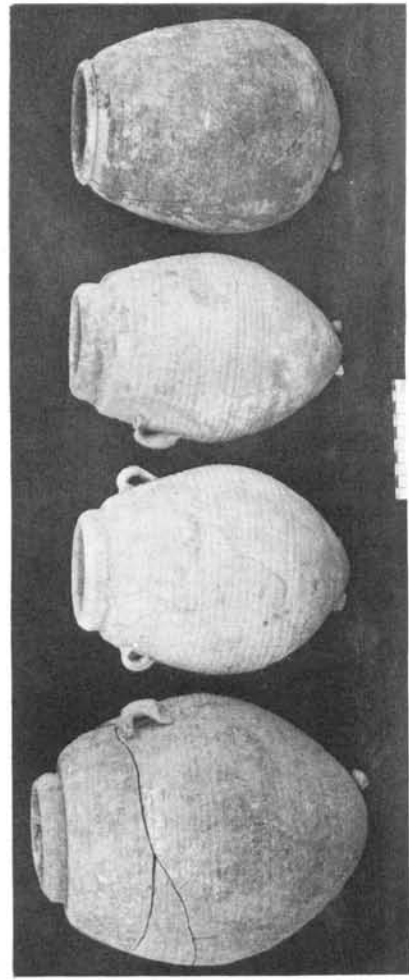
D. Ku. 53. 19-3-1370, 1362, 1357, 1357.

C 8813



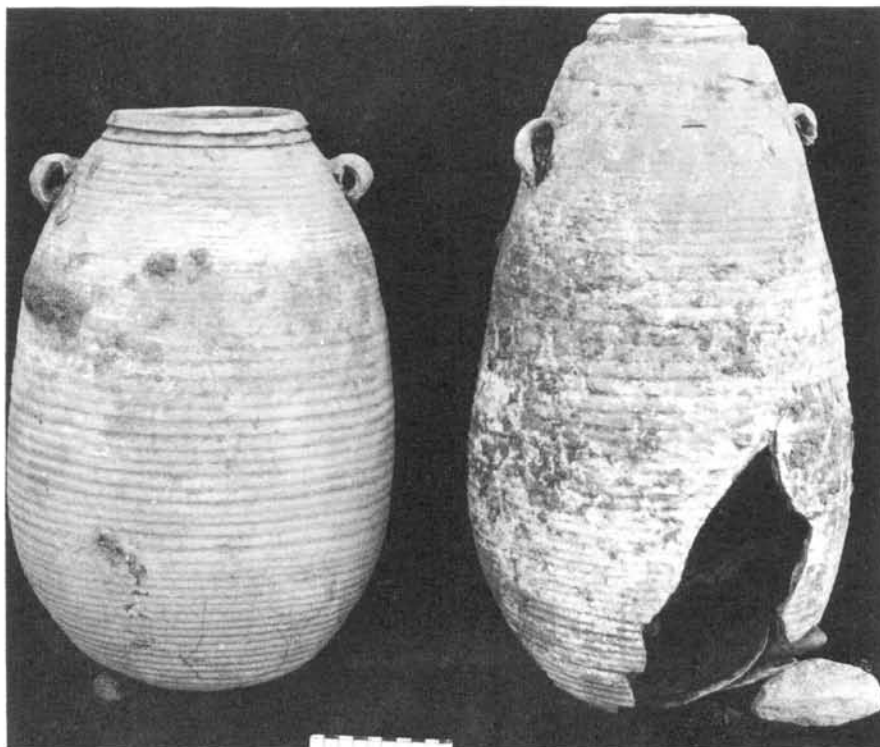
E. Ku. 72. 19-3-1558B. Ku. 55. 19-3-1461.

B 3707



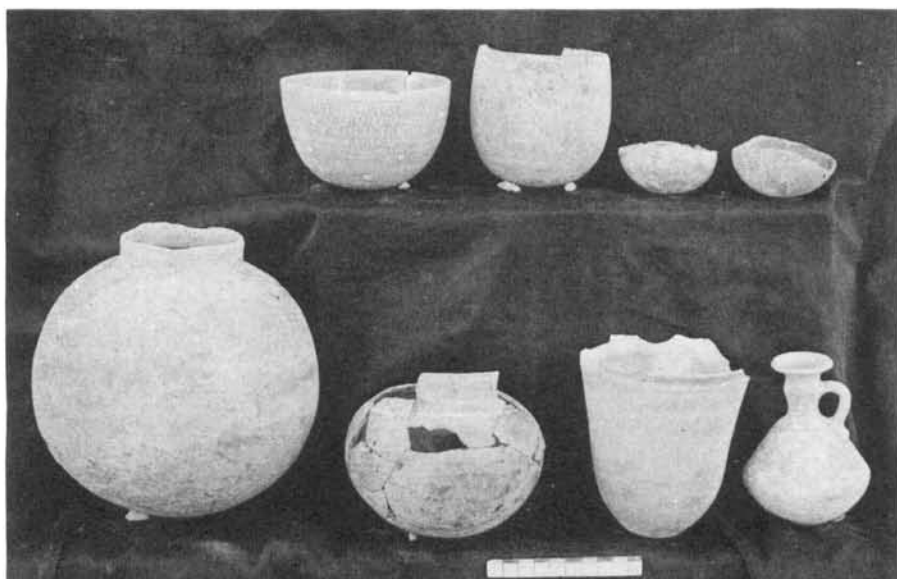
F. Ku. 51. 19-3-1028. Ku. 53. 19-3-1358, 1224. Ku. 55. 19-3-1458.
B 3674

POTTERY



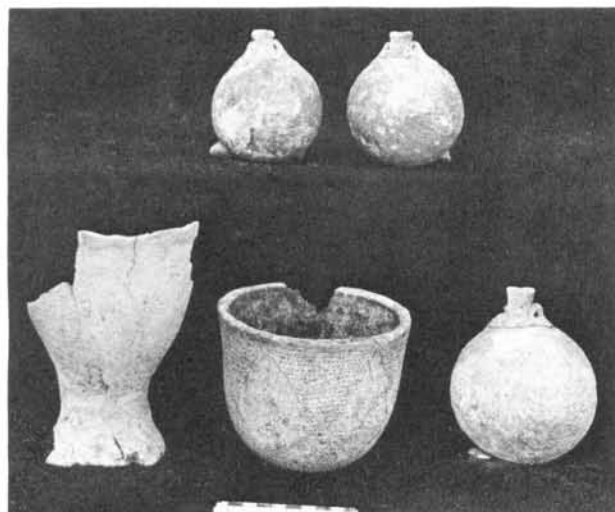
A. Ku. 52. 19-3-1160. Ku. 55. 19-3-1459.

B 3673



B. Ku. 52. 19-3-1148. Ku. 55. 19-3-1452. Ku. 51. 19-3-1014.
Ku. 51. 19-3-1014. Ku. 53. 19-3-1367. Ku. 51. 19-3-1018.
Ku. 53. 19-3-1208. Ku. 52. 19-3-1054.

C 8818



C. Ku. 72. 19-3-1522, 1522.
Ku. 71. 19-3-1494.
Ku. 72. 19-3-1532, 1533.

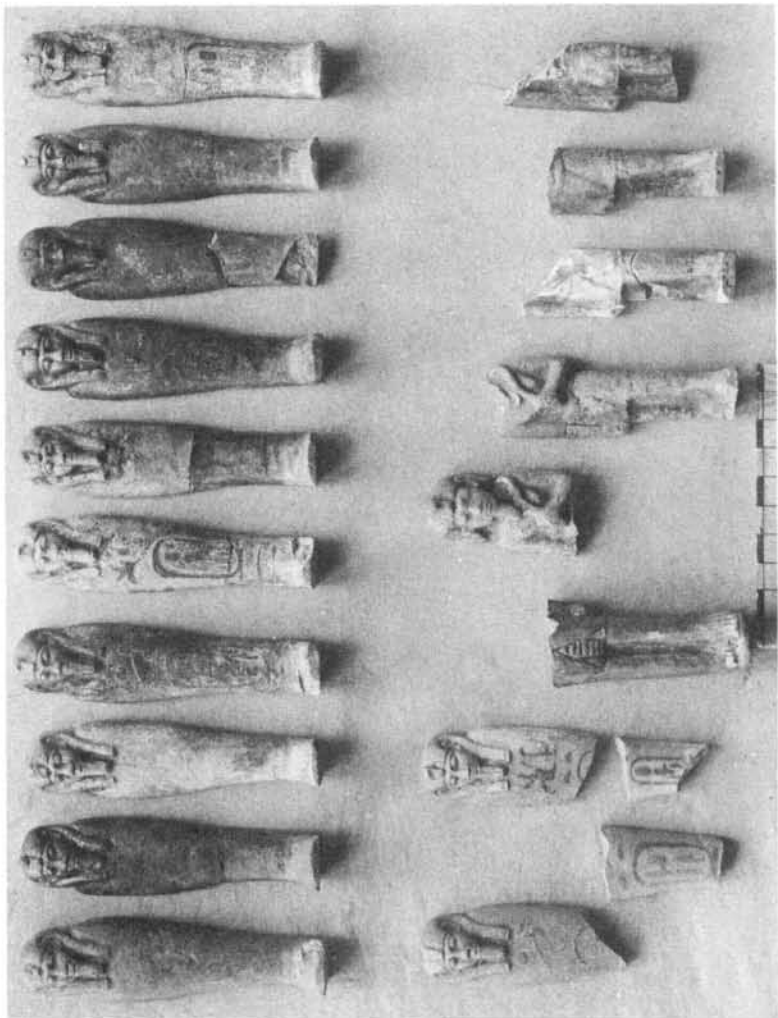
C 8827



D. Ku. 72. 19-3-1521.

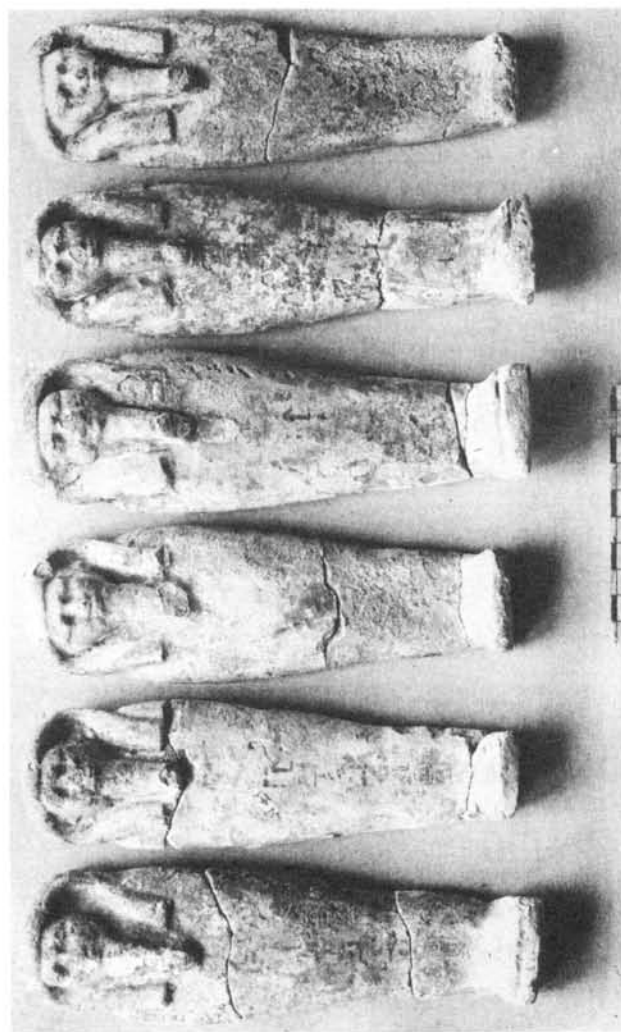
C 8844

POTTERY



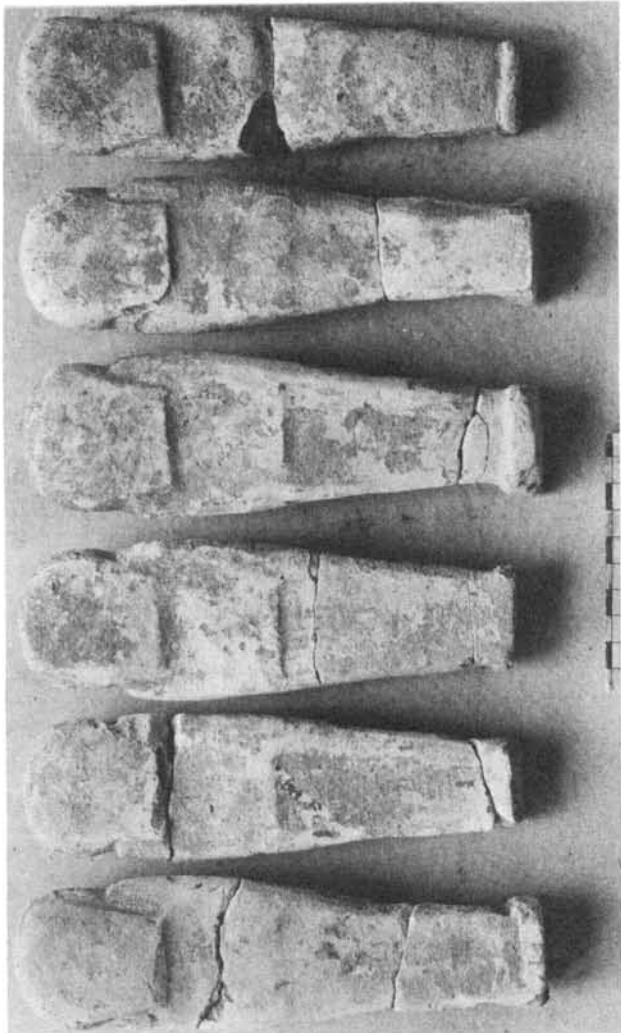
A. Ku. 17. P'ankhy. 19-4-139.

B 3657



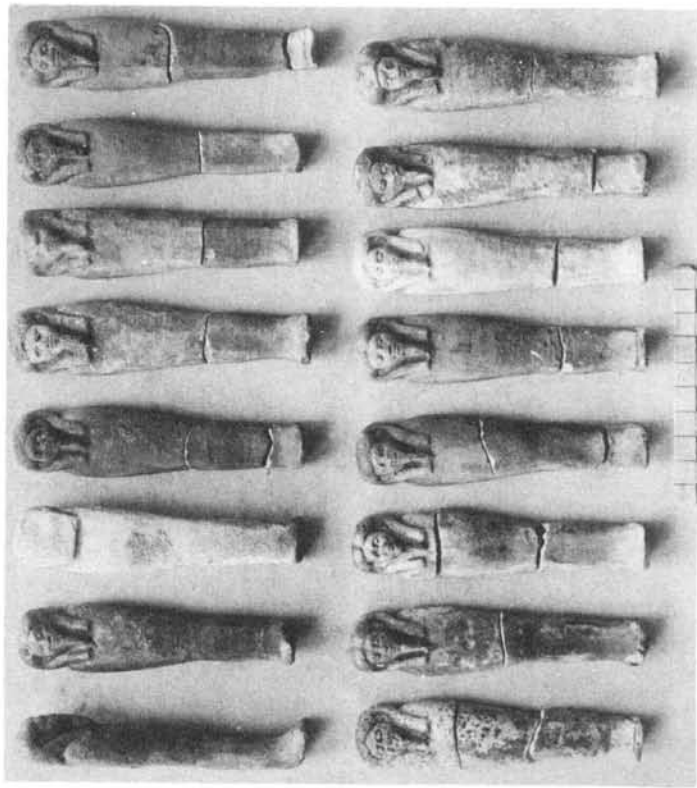
B. Ku. 15. Shabako. 19-4-140.

B 3682



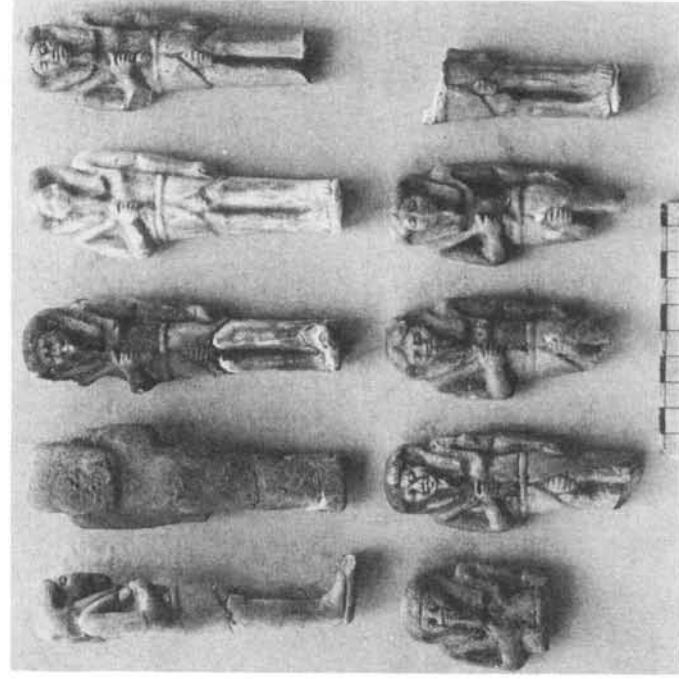
c. Ku. 15. Shabako. Backs of figures shown in B.

B 3684



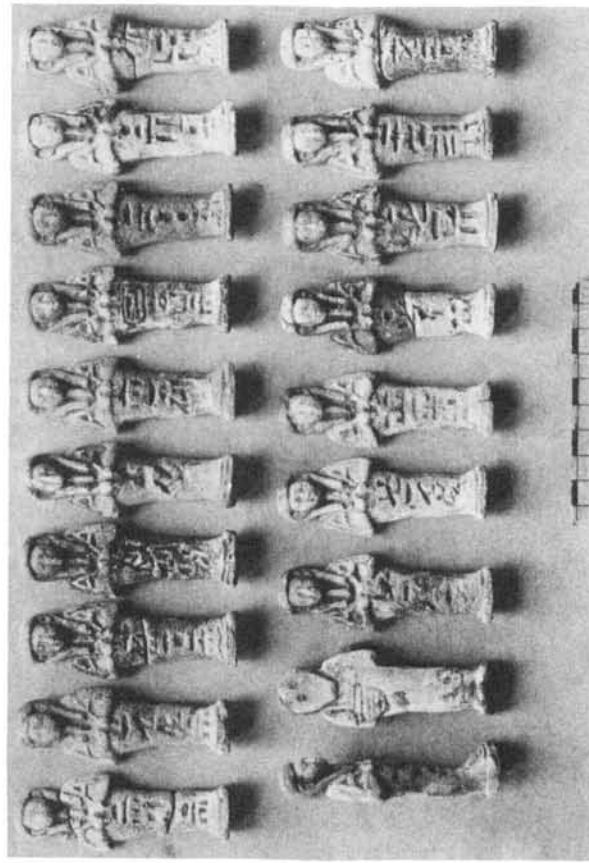
A. Ku. 18. Shebitku. 19-4-141*a*.

B 3694



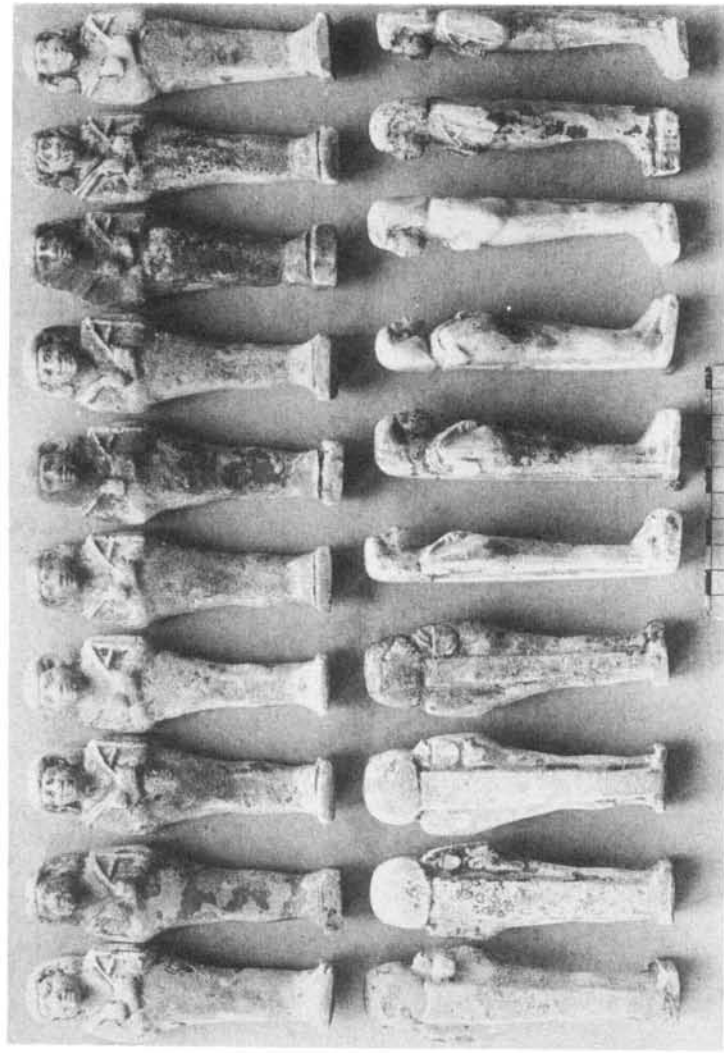
B. Ku. 18. Shebitku. 19-4-141*b*.

B 3695



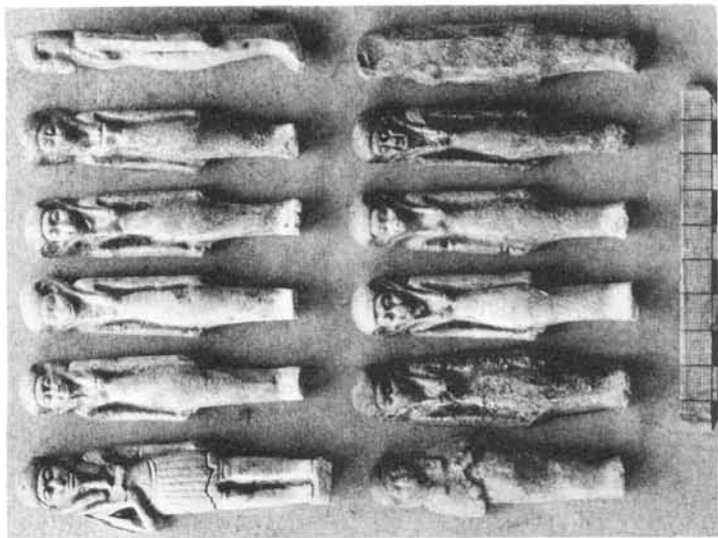
C. Ku. 16. Tanwetamani. 19-4-142*a*.

B 3696

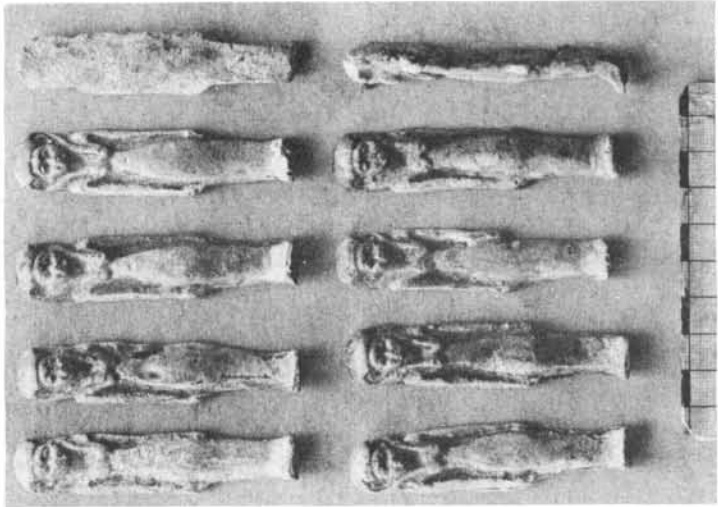


D. Ku. 16. Tanwetamani. 19-4-142*b*.

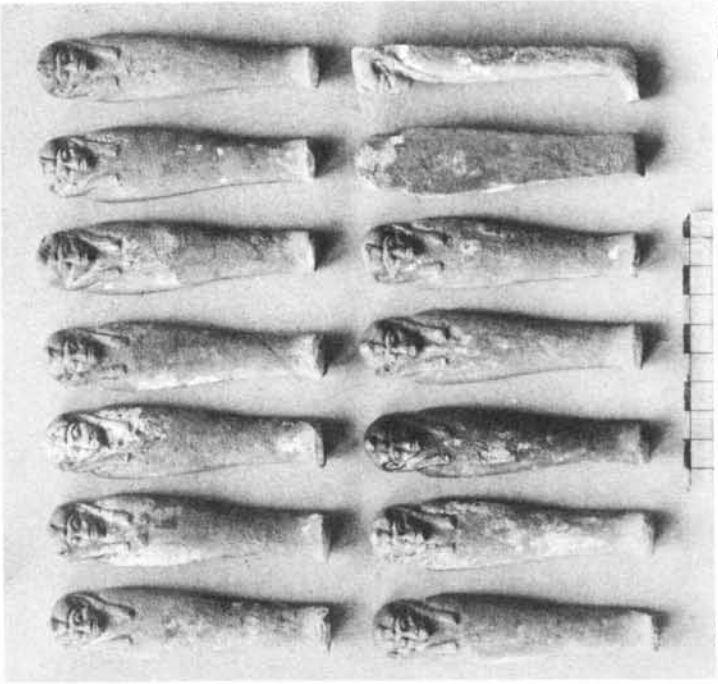
B 3697



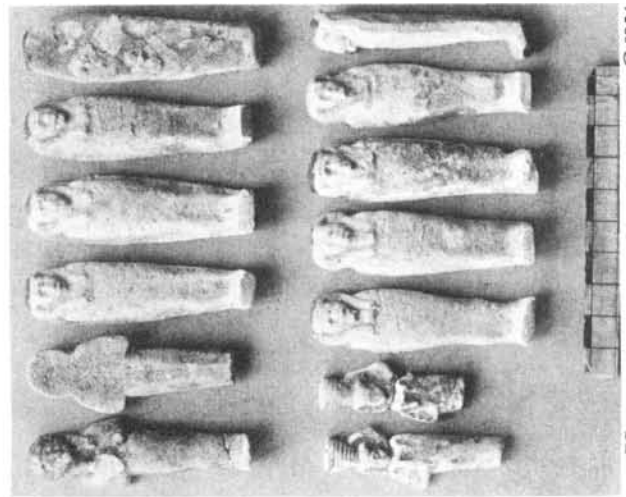
A. Ku. 53. 19-4-145. C 8853



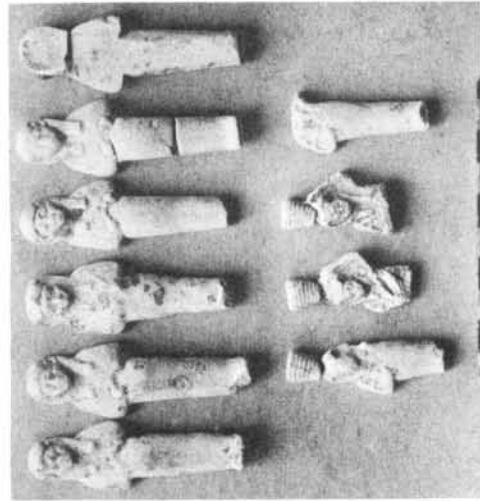
B. Ku. 51. 19-4-143. C 8834



C. Ku. 52. 19-4-144. B 3715



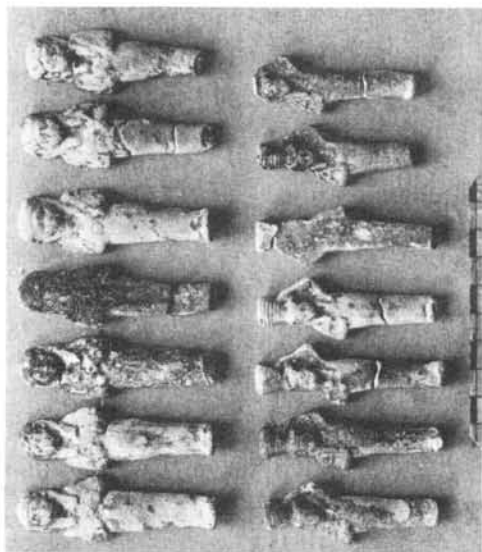
D. Ku. 62. 19-4-146. C 8854



E. Ku. 71. 19-4-201. C 8855

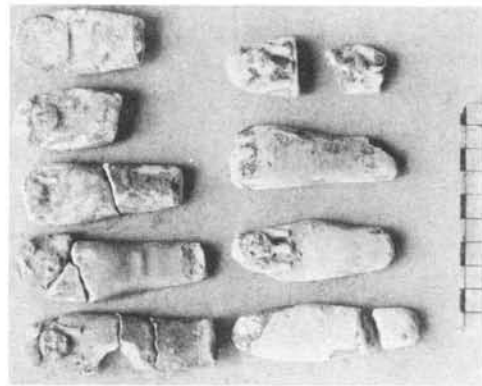


F. Ku. 52. 19-4-144. B 3716



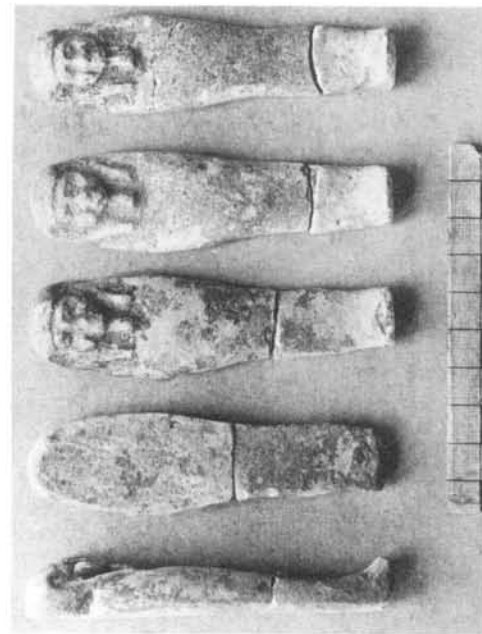
A. Ku. 72. 19-4-202.

C 8856



B. Ku. 3. 19-4-203.

C 8858



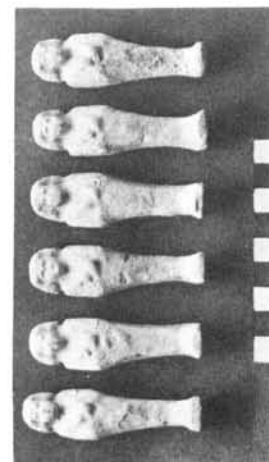
C. Ku. 4. 19-4-204.

C 8857



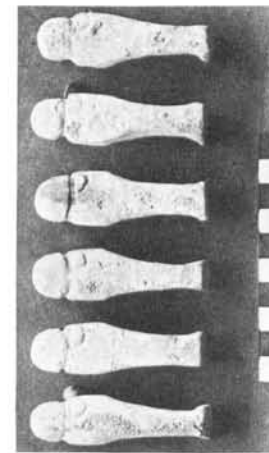
D. Ku. 5. 19-4-205.

B 3718



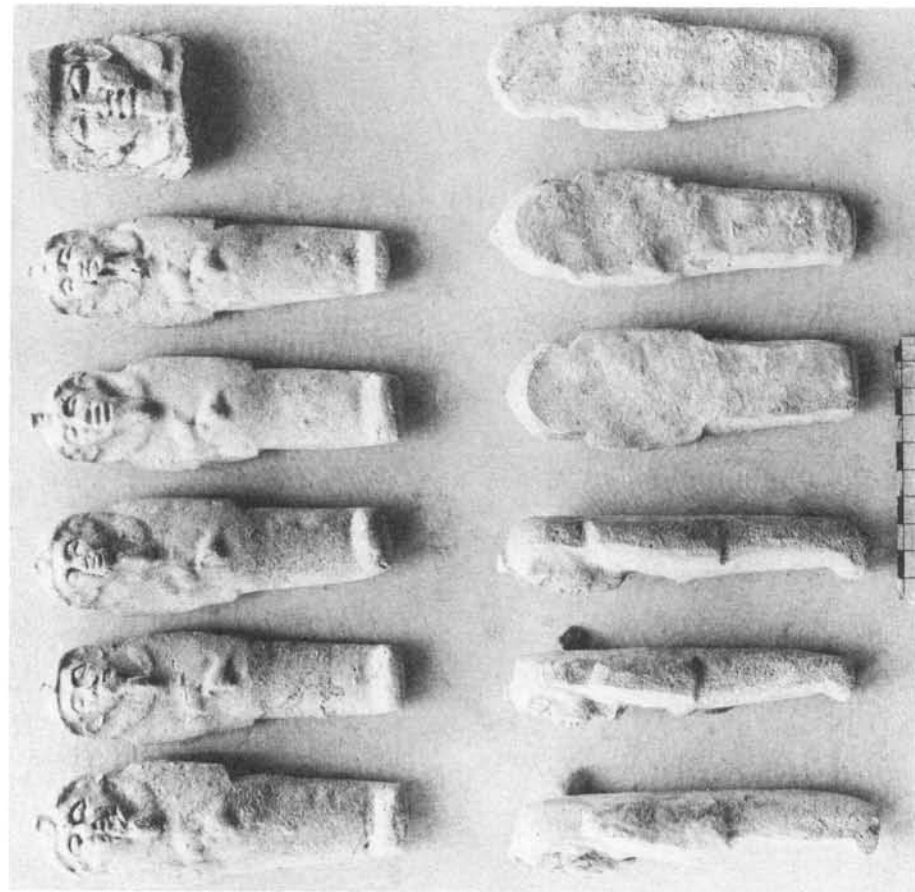
E. Ku. 61. Unregistered.

C 8494



F. Ku. 61. Same as E, backs.

C 8496



G. Ku. 6 (probably out of Ku. 2). Unregistered.

A 2829



A. Ku. 16. Steatite scarab of Shabako, probably out of Ku. 15. Unregistered. MFA 21.316. C 8886



B. Ku. 16. Same as A. Seal face. C 8885



C. Ku. 16. Same as A. Edge. C 8887



D. Ku. 16. Slate heart scarab from chamber. Unregistered. MFA 21.302. C 8865



E. Ku. 16. Same as D. Inscribed face. C 8867



F. Ku. 16. Same as D. Edge. C 8866



G. Ku. 16. Serpentine heart scarab, perhaps out of Ku. 15. Unregistered. MFA 21.301. C 8869

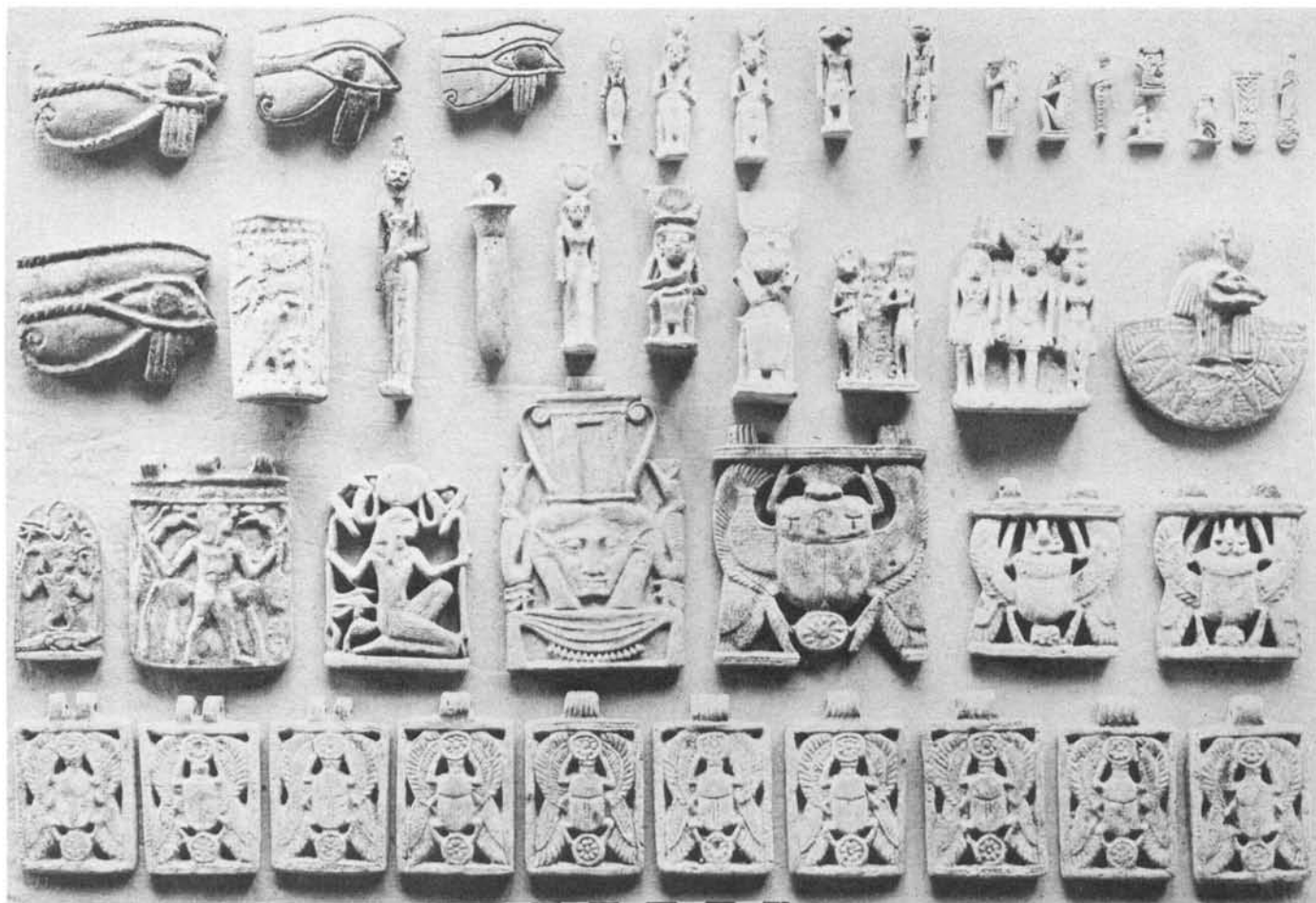


H. Ku. 16. Same as G. Inscribed face. C 8868



I. Ku. 16. Same as G. Edge. C 8870

SCARABS



A. Ku. 53. Row 1: 19-3-1227 to 1242 in order.
Row 2: 1243 to 1252 in order.

Row 3: 1253 to 1259 in order.
Row 4: 1260 to 1269 in order.

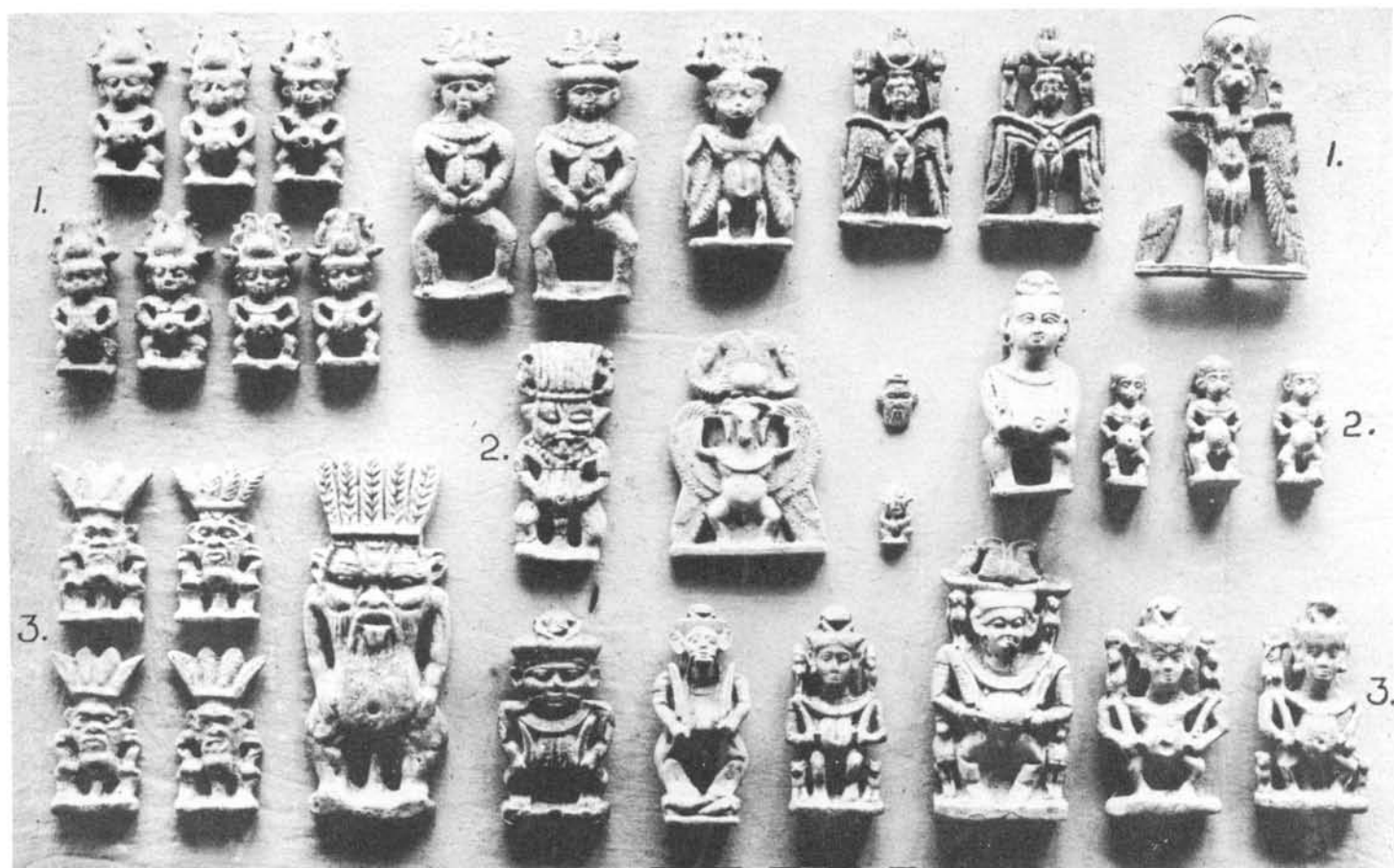
A 2771



B. Ku. 53. Same as A. Backs.

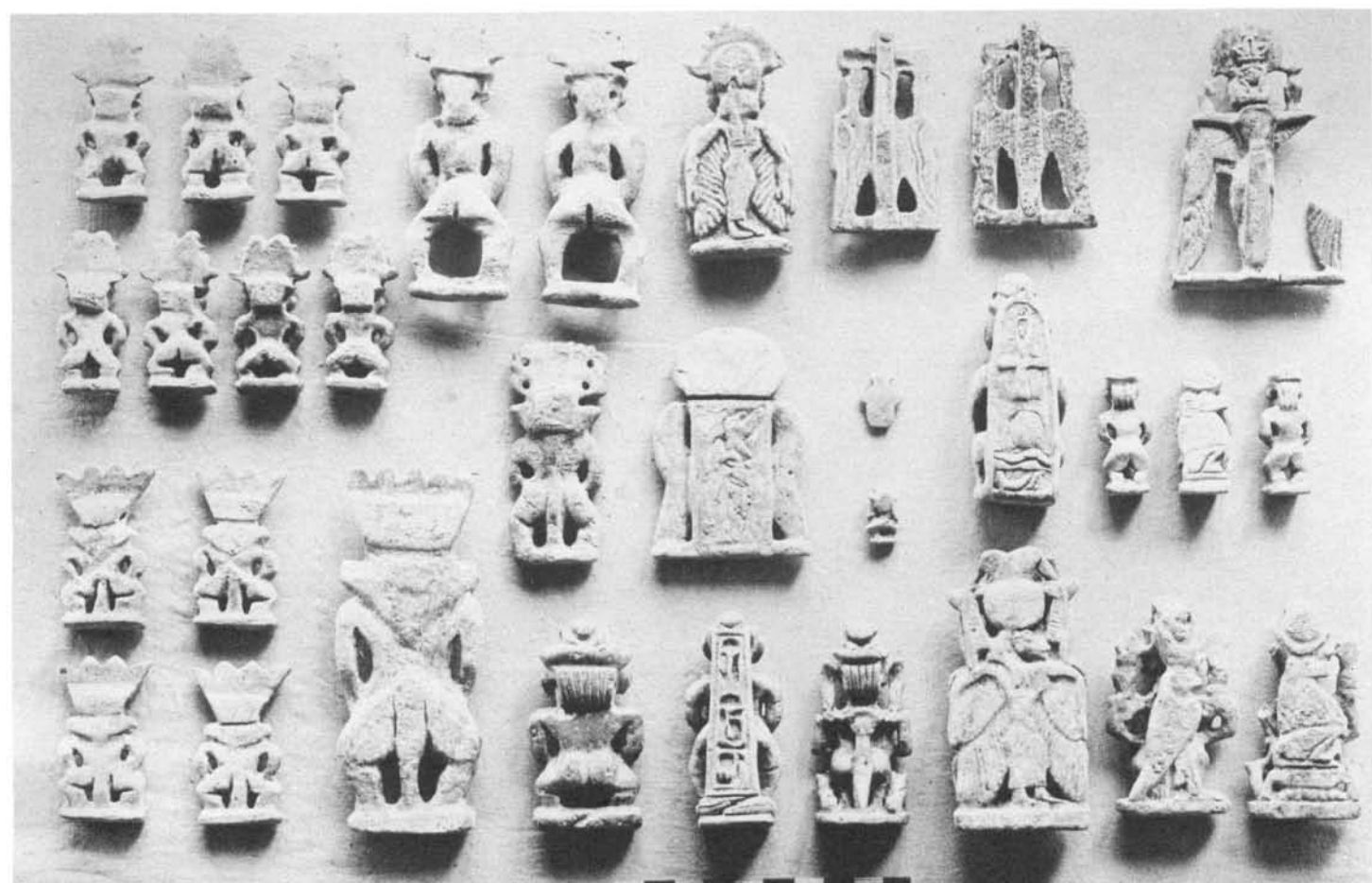
A 2772

FAÏENCE AMULETS



A. Ku. 53. Row 1: 19-3-1270 to 1282 in order. Row 2: 1283 to 1290 in order.
Row 3: 1291 to 1301 in order.

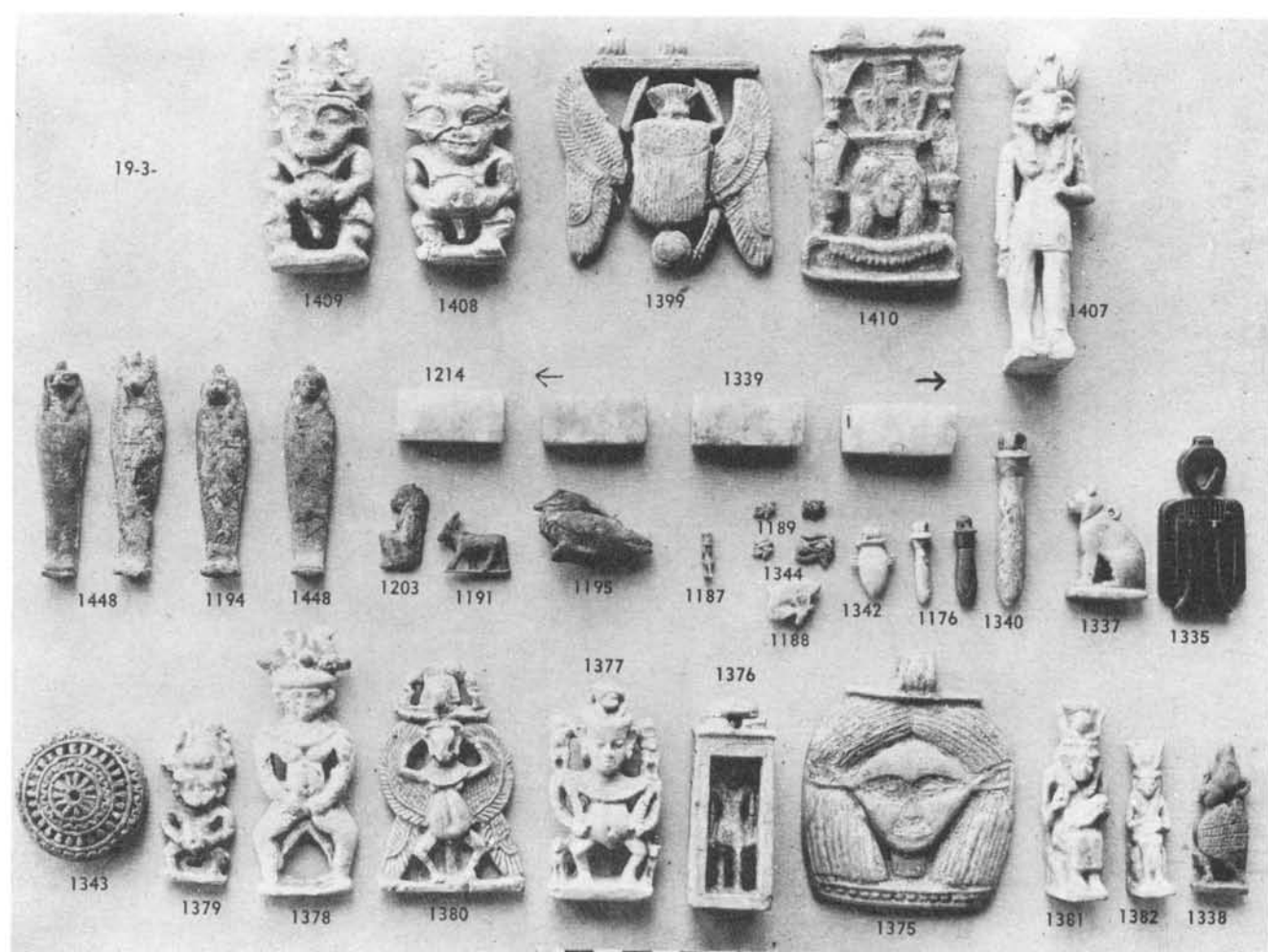
A 2773



B. Ku. 53. Same as A. Backs.

A 2774

FAÏENCE AMULETS



A. Ku. 53. Rows 2-4. Ku. 54. Row 1.

A 2831



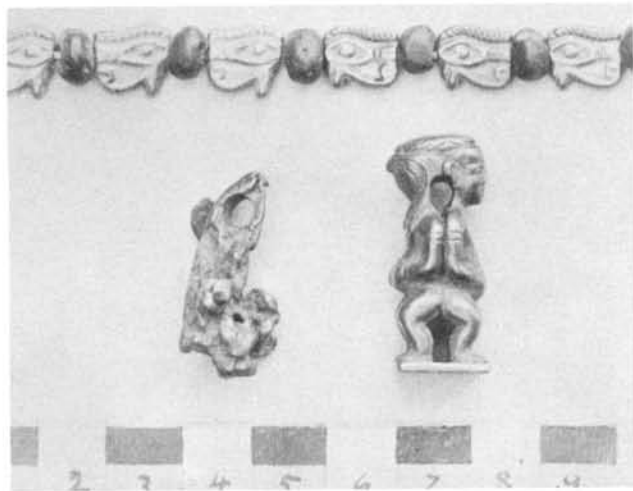
B. Ku. 54, 53. Same as A. Backs.

A 2832

AMULETS AND MISCELLANEOUS



A. Ku. Tum. 2. Unregistered #2, #6, #5. C 8992



B. Ku. Tum. 2. Same as A. Sides. C 8991



C. Ku. 53. 19-3-1195, 1448, 1448, 1448, 1194.

C 9590



D. Ku. 55.
19-3-1434a.

30 B 205



E. Ku. 55.
19-3-1434b.

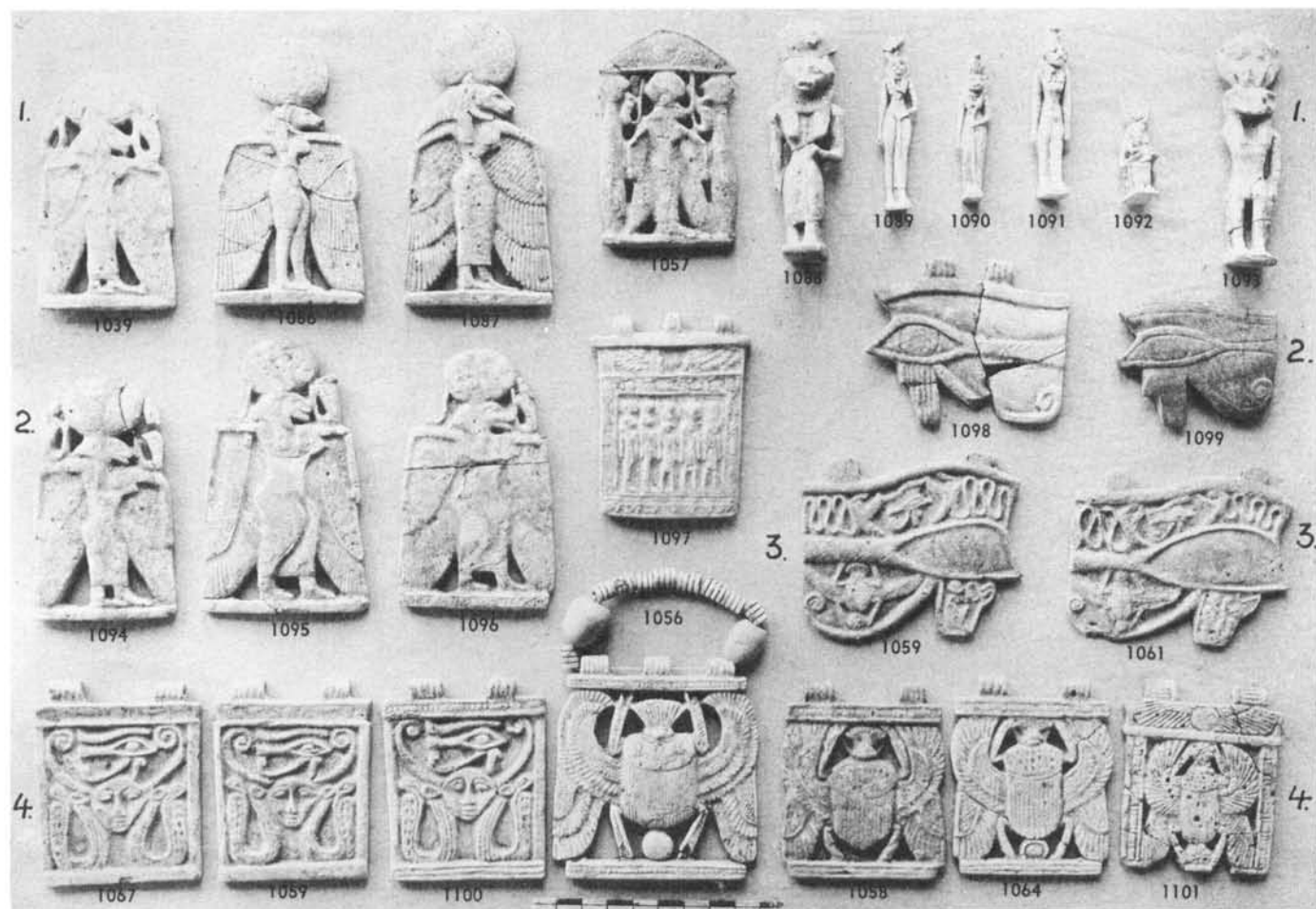
30 B 205



F. Ku. 22. 19-3-660.

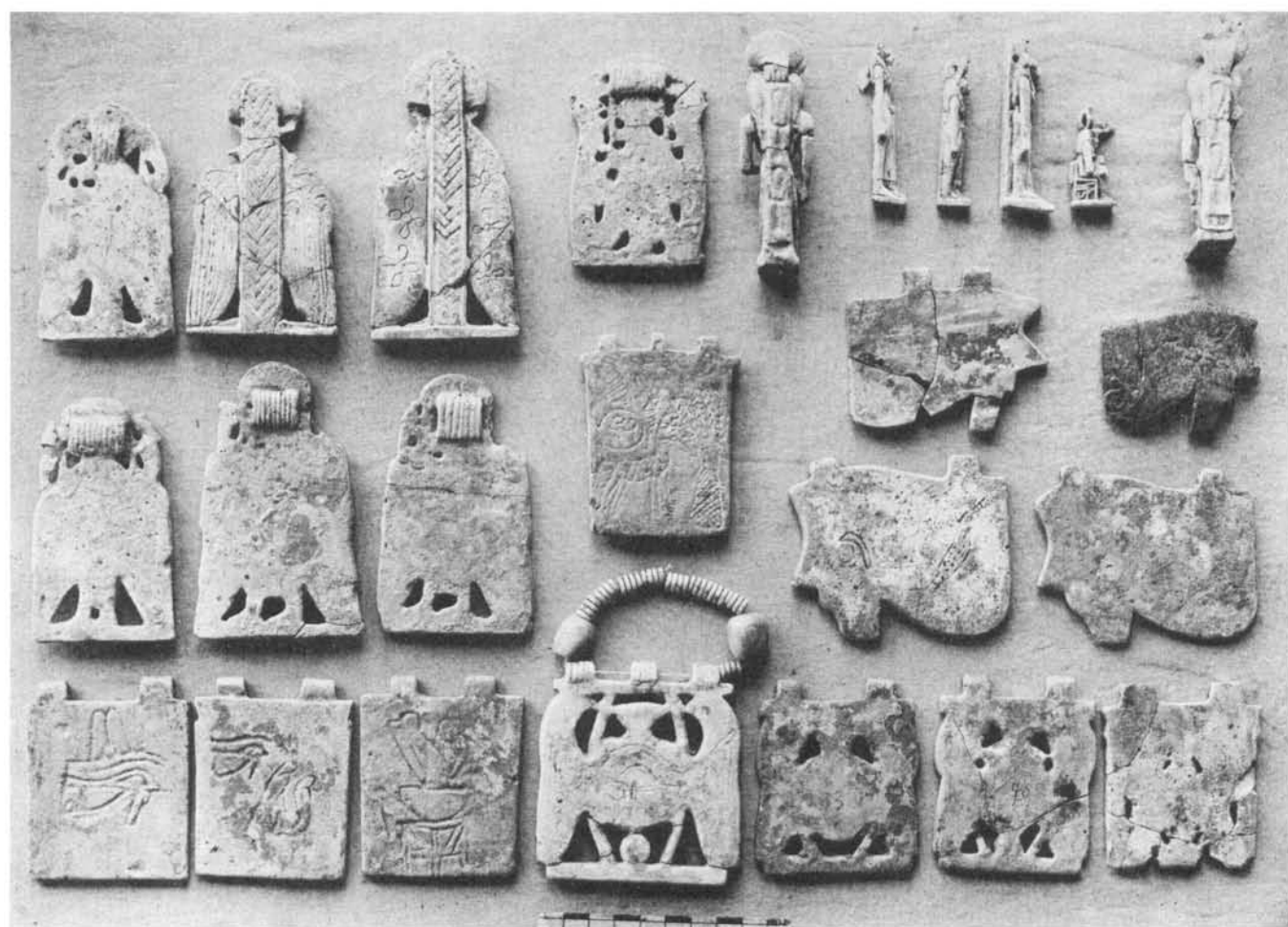
B 3634

AMULETS



A. Ku. 52.

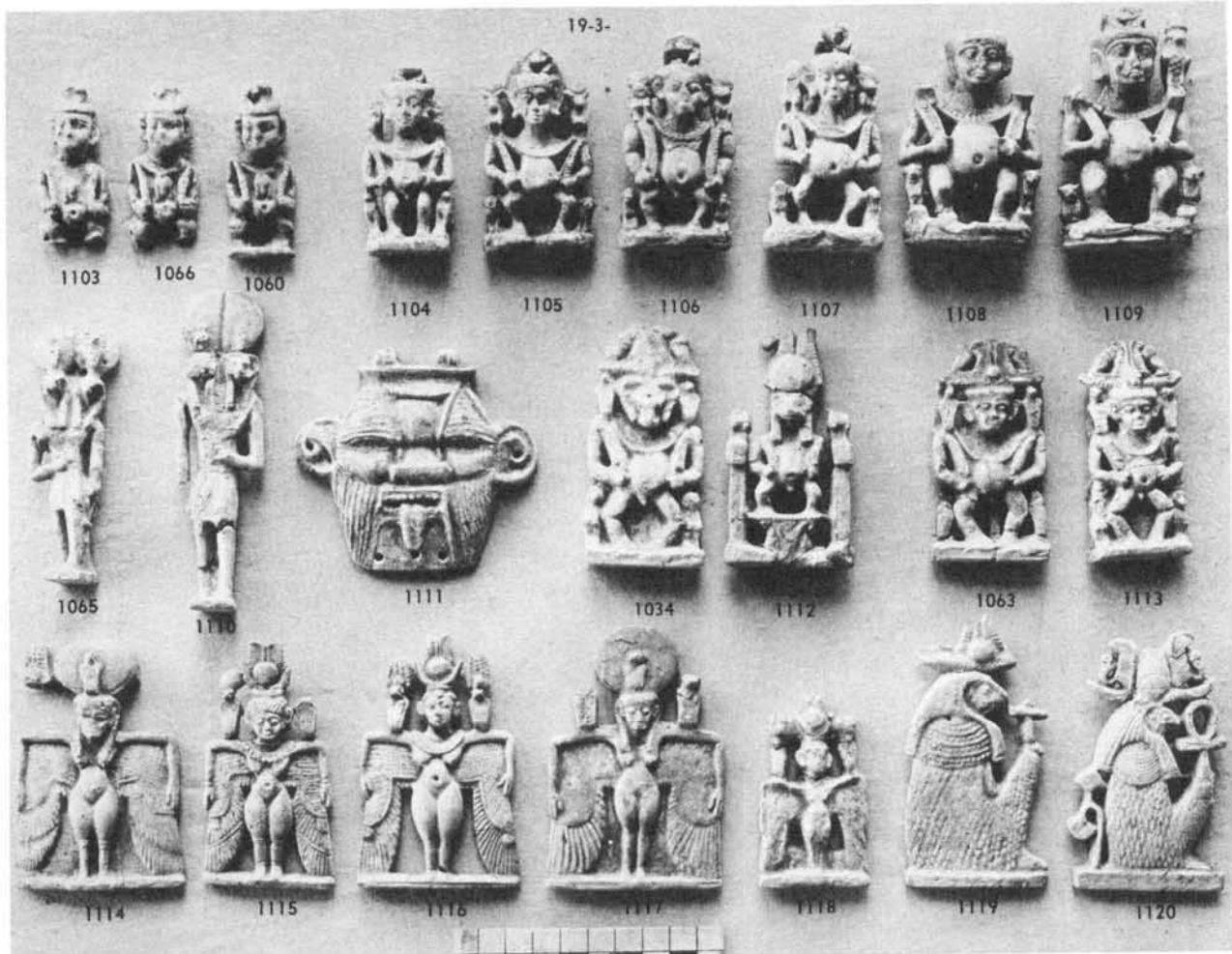
A 2787



B. Ku. 52. Same as A. Backs.

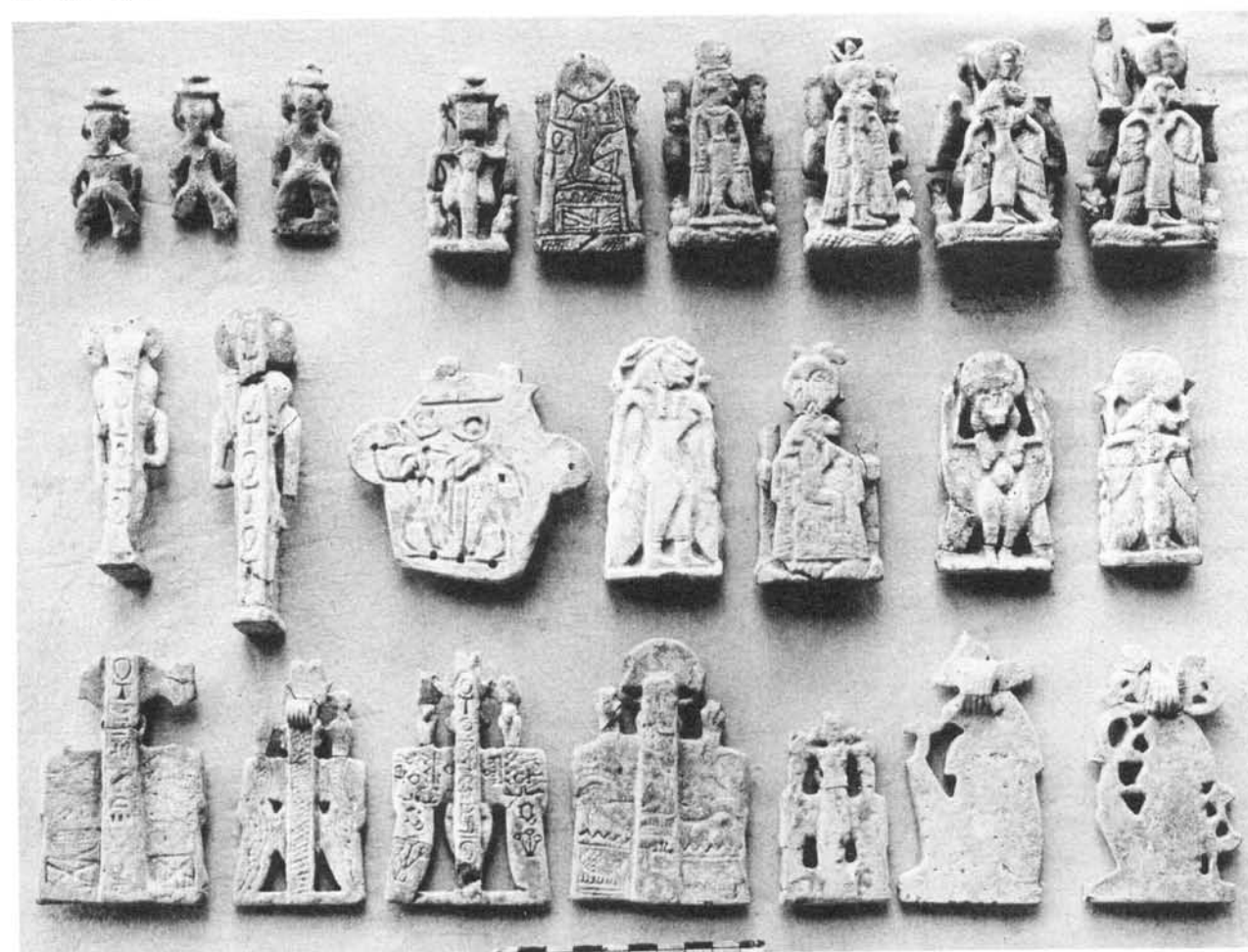
A 2788

FAÏENCE AMULETS



A. Ku. 52.

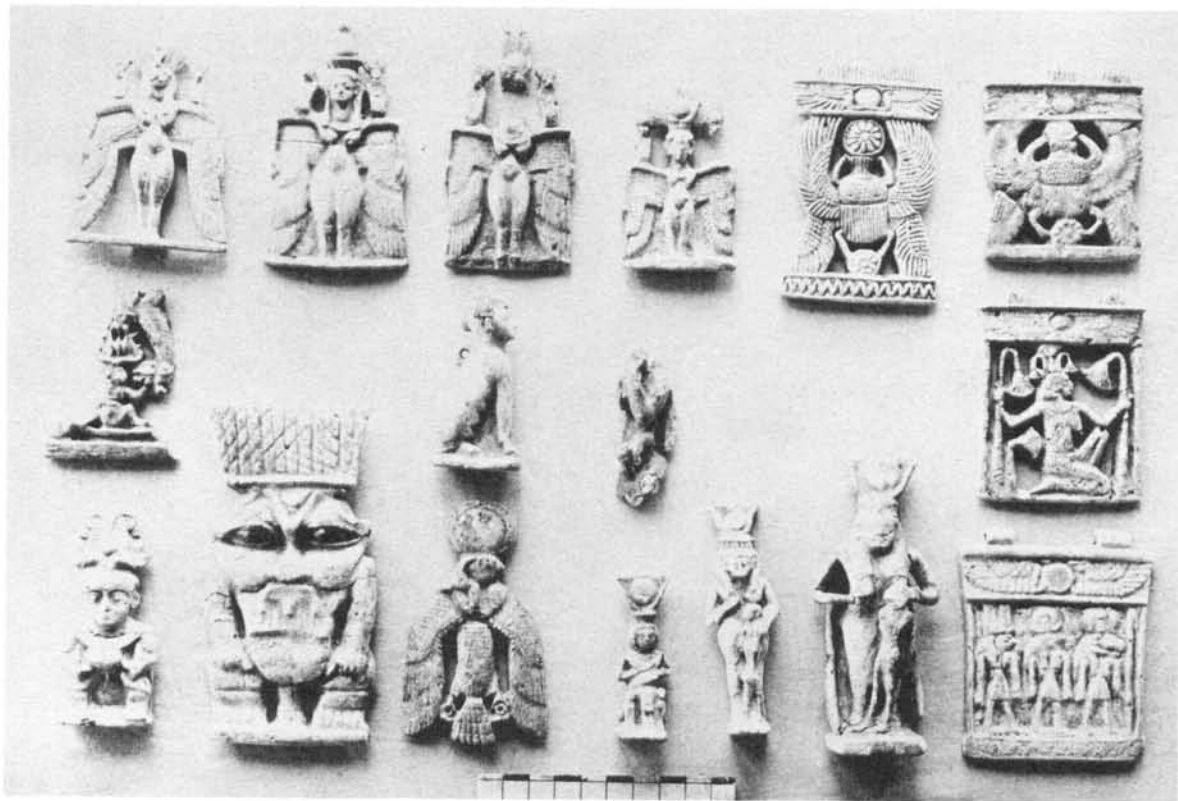
A 2786



B. Ku. 52. Same as A. Backs.

A 2789

FAÏENCE AMULETS



B. Ku. 51. 19-3-1000.
C 9574

A. Ku. 51. Row 1: 19-3-993 to 998 in order. Row 2: 19-3-999 to 1002 in order.
Row 3: 19-3-1003 to 1009 in order.
A 2785



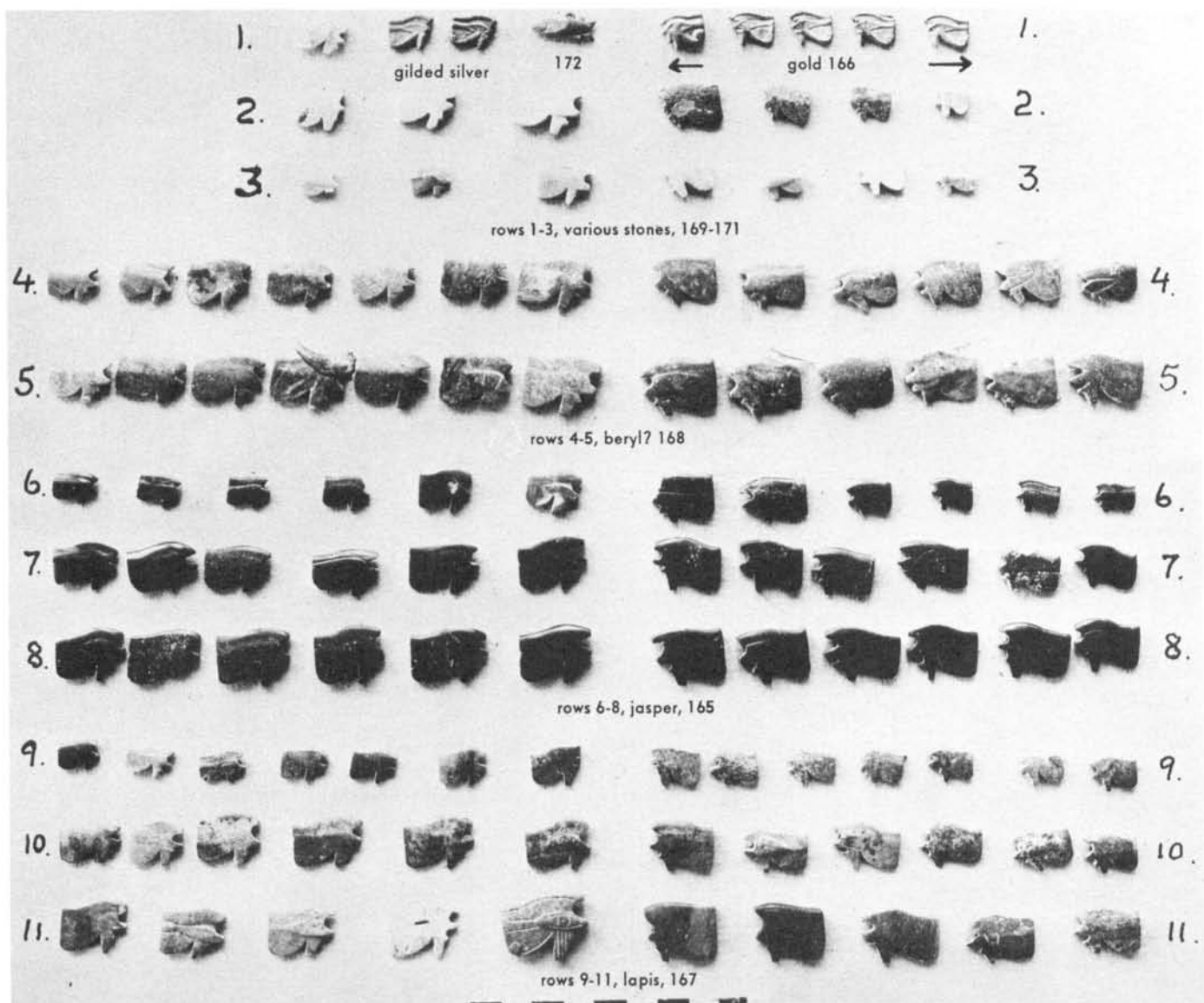
c. Ku. 51. 19-3-992.

B 3639

d. Ku. 51. Same as c. Back.

B 3638

FAÏENCE AMULETS

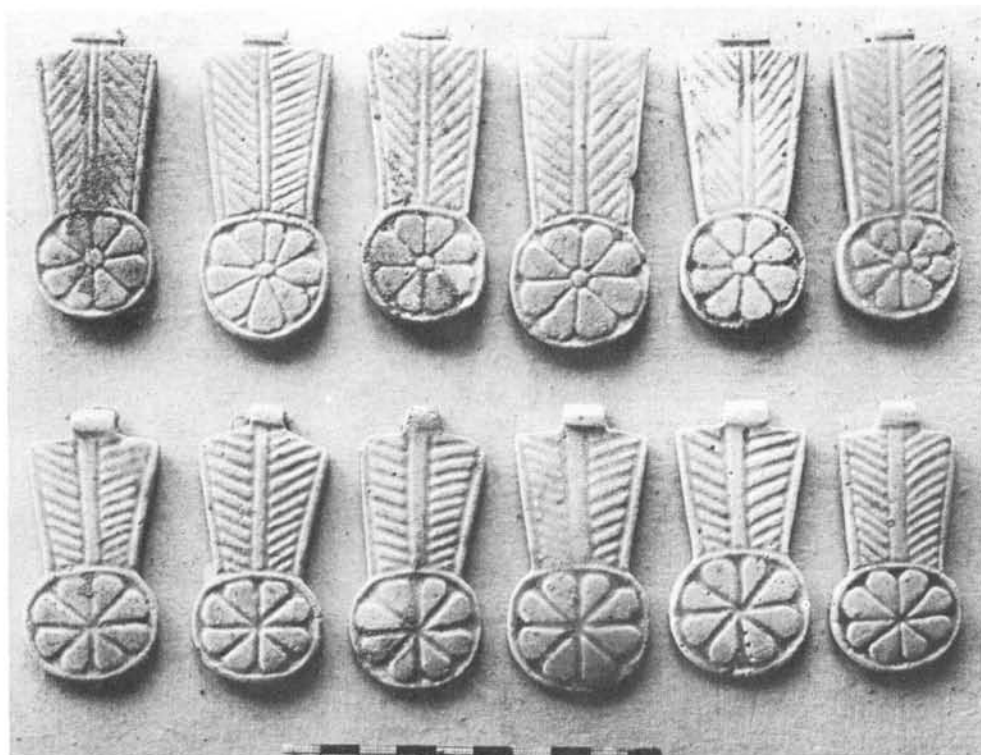


A. Ku. 15. Udjat eye amulets 19-3-165 to 171; 172 fish.

A 2779



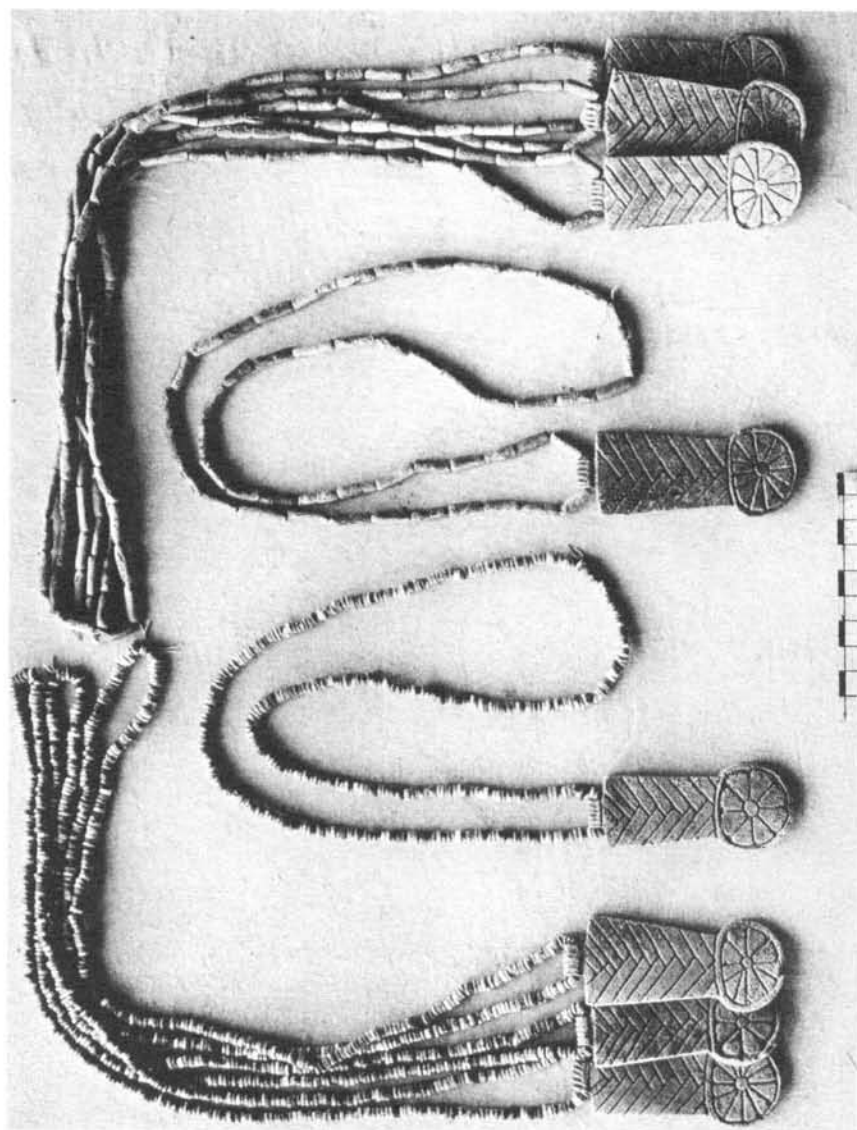
B. Ku. 18.
19-2-225, 226. B 3725



C. Ku. 16. 19-2-297 to 300.

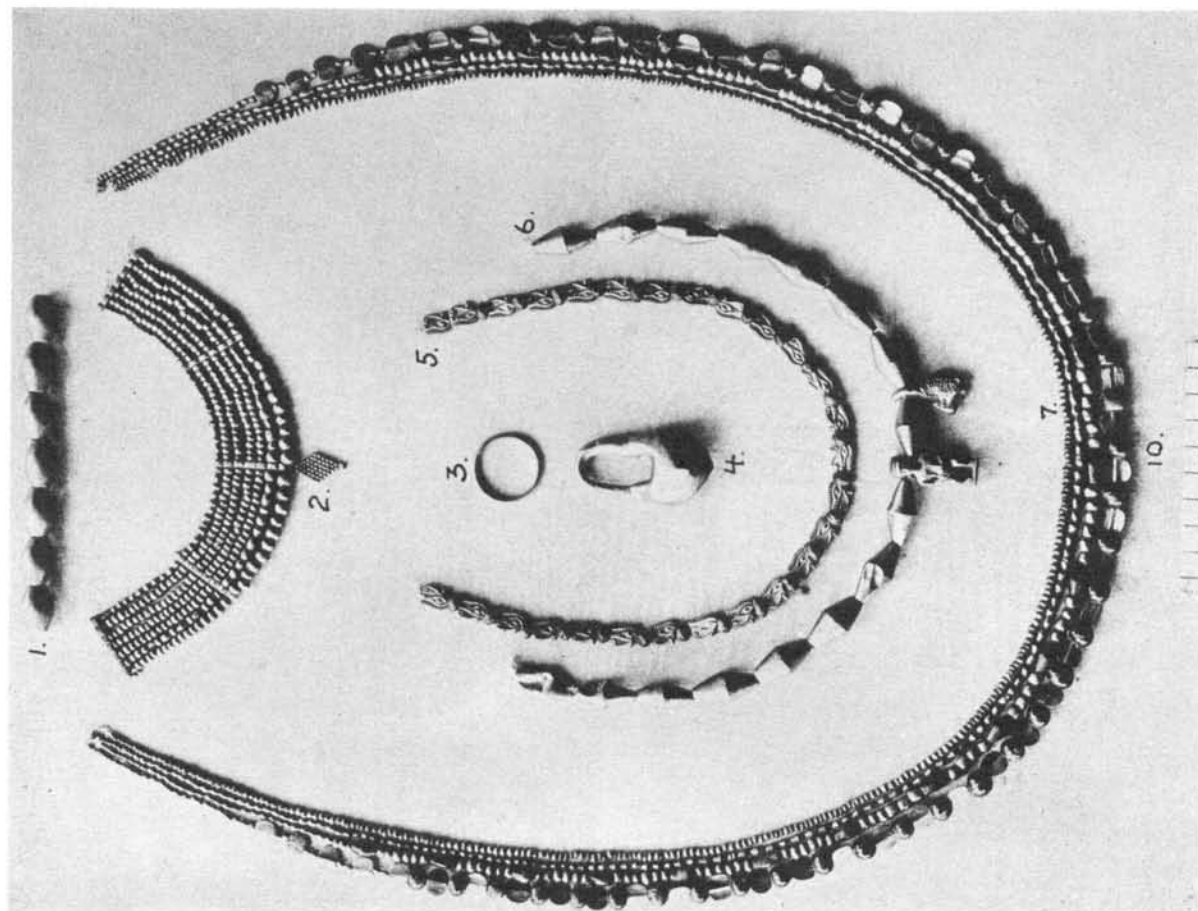
B 3637

AMULETS



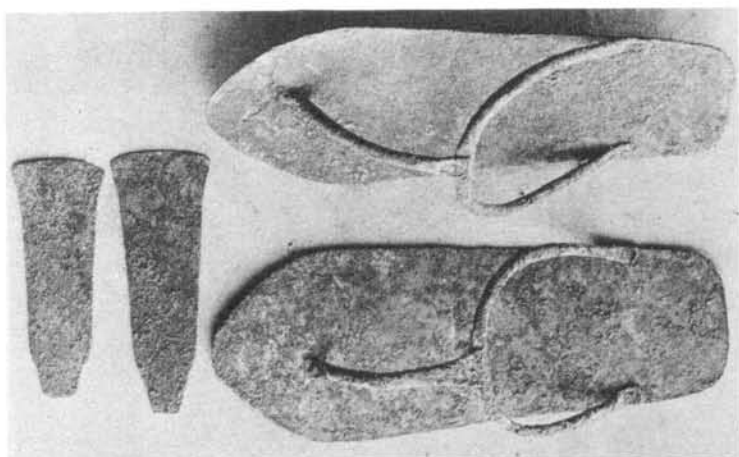
A. Ku. 5. Faïence Menat amulets and beads.
19-2-651, 653, 654, 670 to 672; 19-3-88 to 90.

A 2781



B. Gold from Tumulus graves.
Ku. Tum. 1. 1, 19-3-365; 2, 19-3-362, 364, 367.
Ku. Tum. 2. 3, #3; 4, #4; 5, #2; 6, #1, #5, #6.
Ku. Tum. 4. 7, 19-3-427, 433; 8, 19-3-431, 432;
9, 19-3-426, 429, 430; 10, 19-3-425, 428.

A 2805



A. Ku. 52. 19-3-1036, 1037, 1035.

C 8833



B. Ku. 72. 19-3-1544.

MFA B 10109

BRONZE OBJECTS



A. Ku. 53. 19-3-1302.
MFA B 2177



B. Ku. 5. Unregistered.
C 8885



C. Ku. 5. Same as B.
Front view C 8887



c'. Ku. 53(?). Unregistered.
MFA A 17656



D. Ku. 6. Unregistered.
C 8883



E. Ku. 5. Unregistered.
C 8885



F. Ku. 5. Same as E. Side
view. C 8886



G. Ku. 5. Same as E.
Front view. C 8887

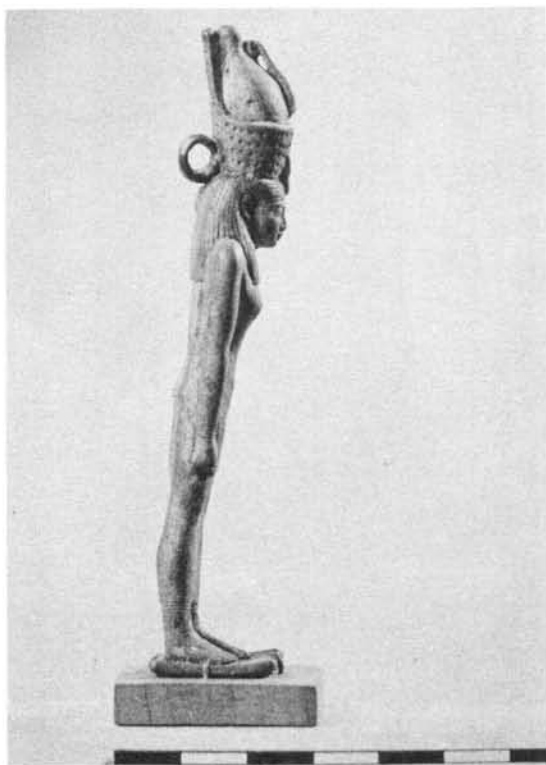


H. Ku. 3. 19-3-295. Ku. 4. 19-3-544,
527. C 8871



I. Ku. 3, Ku. 4. Same as H. Backs. C 8872

MISCELLANEOUS OBJECTS



A. Ku. 52. 19-3-1038.

MFA B11614



B. Ku. 52. Same as A. Front view.

MFA B11613



C. Ku. 52. 19-3-1145.

MFA B 11439



D. Ku. 55. 19-3-1433g, 1433h.

C 8881



E. Ku. 55. Unregistered. Back view.

MFA A17864



F. Ku. 55. Same as E. Front view.

MFA A17862



G. Ku. 55. Same as E. Side view.

MFA A17863

GOLD AND SILVER OBJECTS



A. Ku. 55. 19-3-1436 & 1437, 1434c, 1434d, 1433b, 1433a.

MFA B 11443



B. Ku. 55. Same as A. Front views.

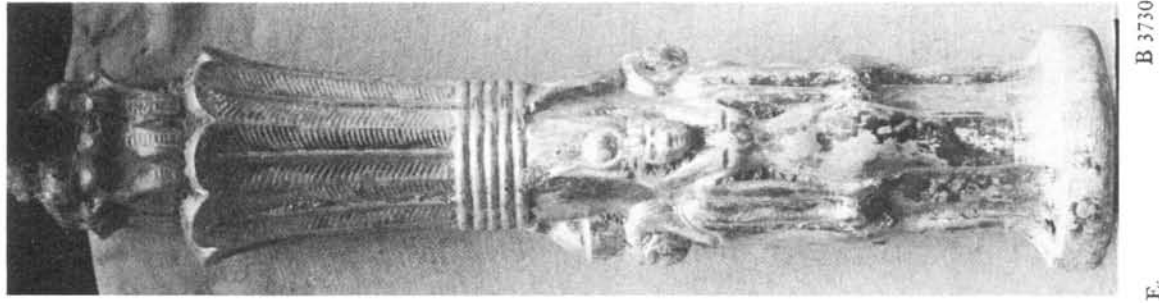
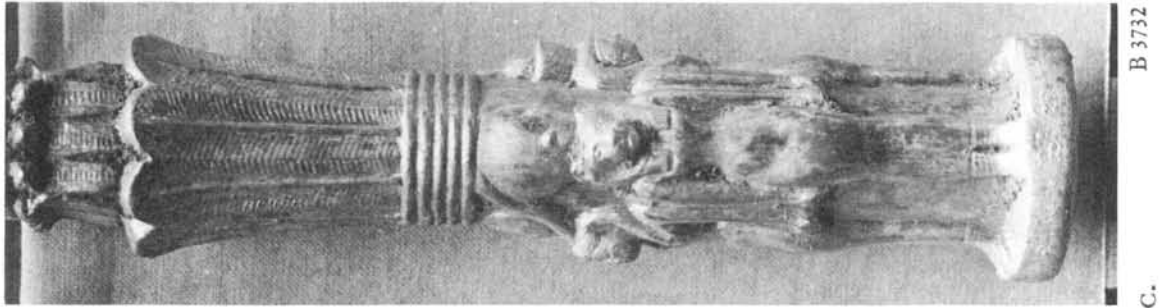
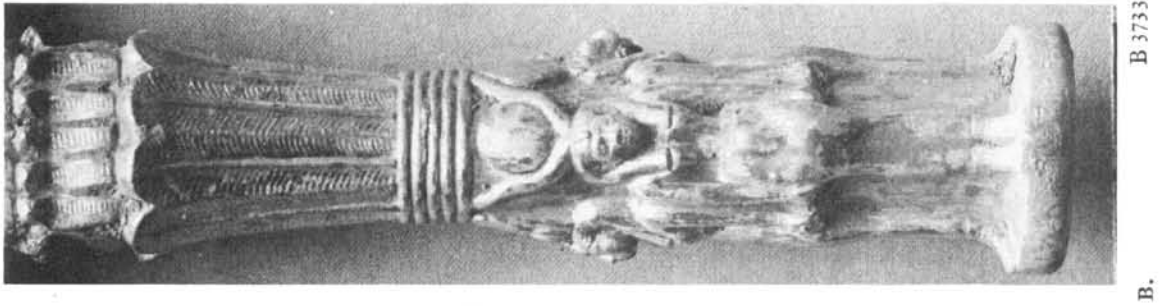
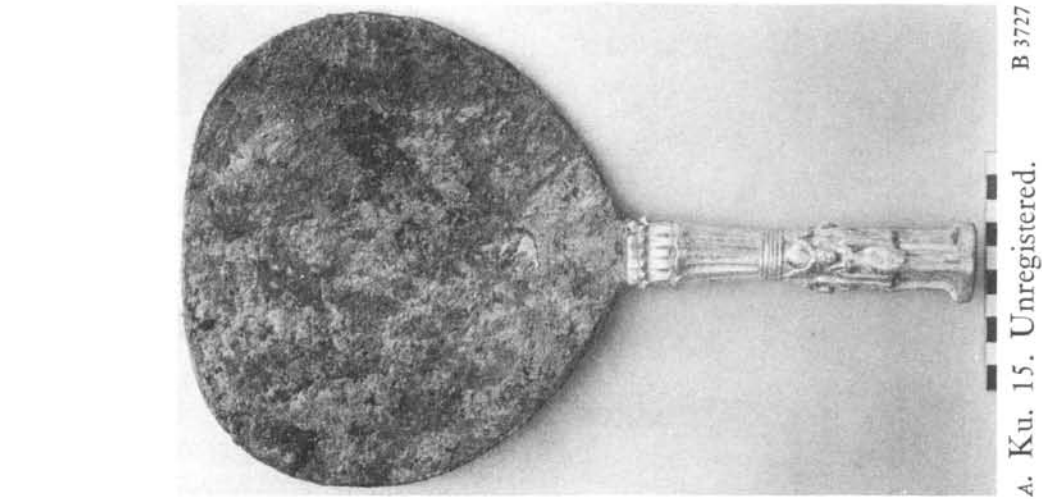
MFA B 11442



C. Ku. 55. Same as A. Side views.

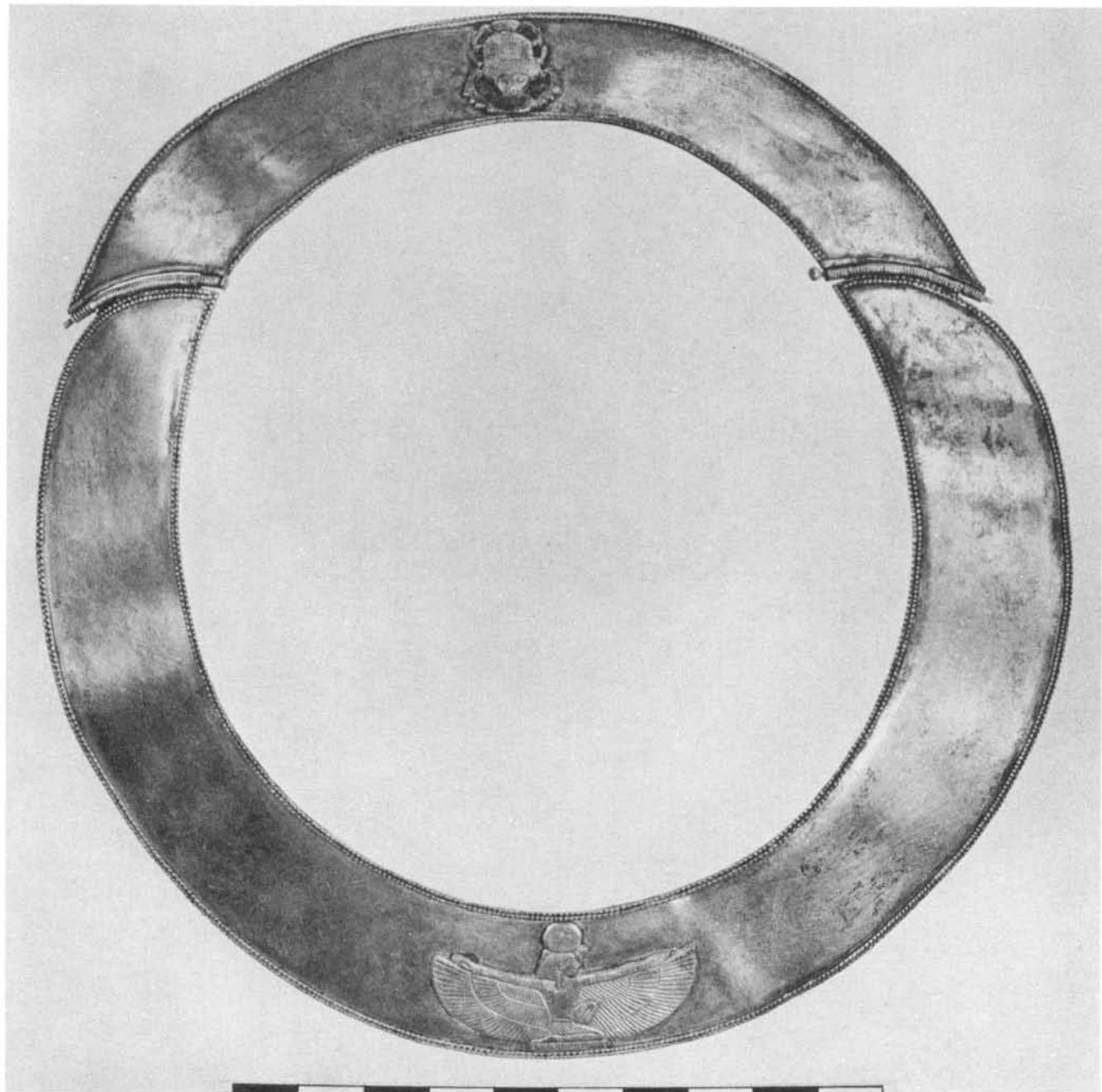
MFA B 11441

AMULETS



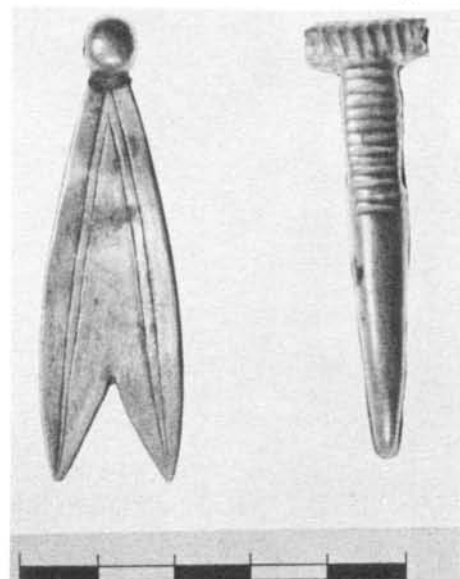
B-E. Details of handle.

MIRROR OF SHABAKO



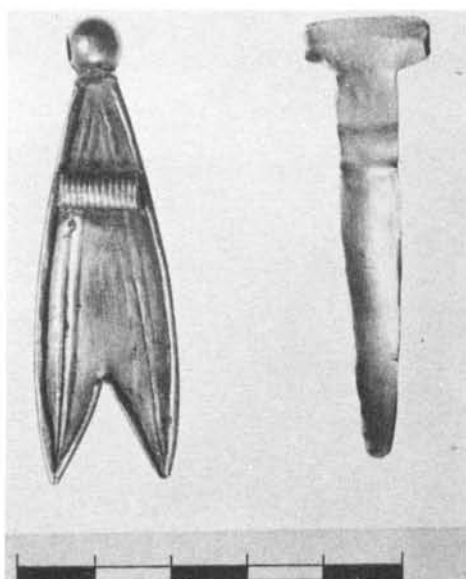
A. Ku. 72. Gold collar. Unregistered.

MFA C14328



B. Ku. 16. 19-3-302.
Ku. 101. 19-3-854.

MFA A 17734

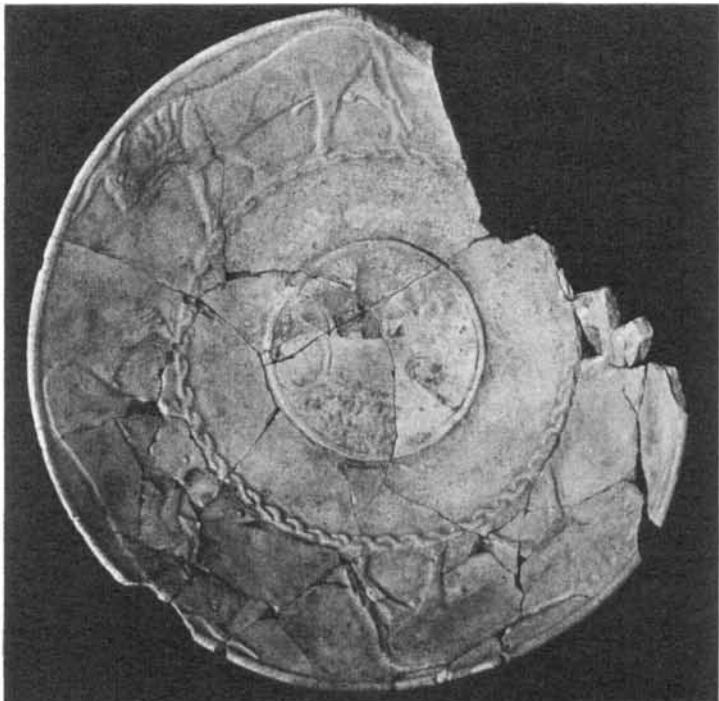


C. Same as B. Backs. MFA A 17735



D. Ku. 10. (probably out of Ku. 15.)
19-3-223. 21 B 88

GOLD OBJECTS



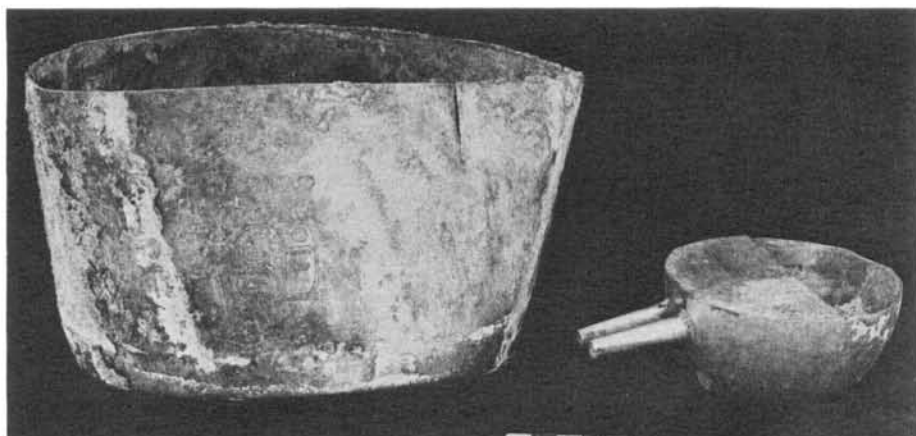
A. Ku. 55. Faïence Bowl. 19-3-667.

B 3630



B. Ku. 55. Faïence Bowl. 19-3-666.

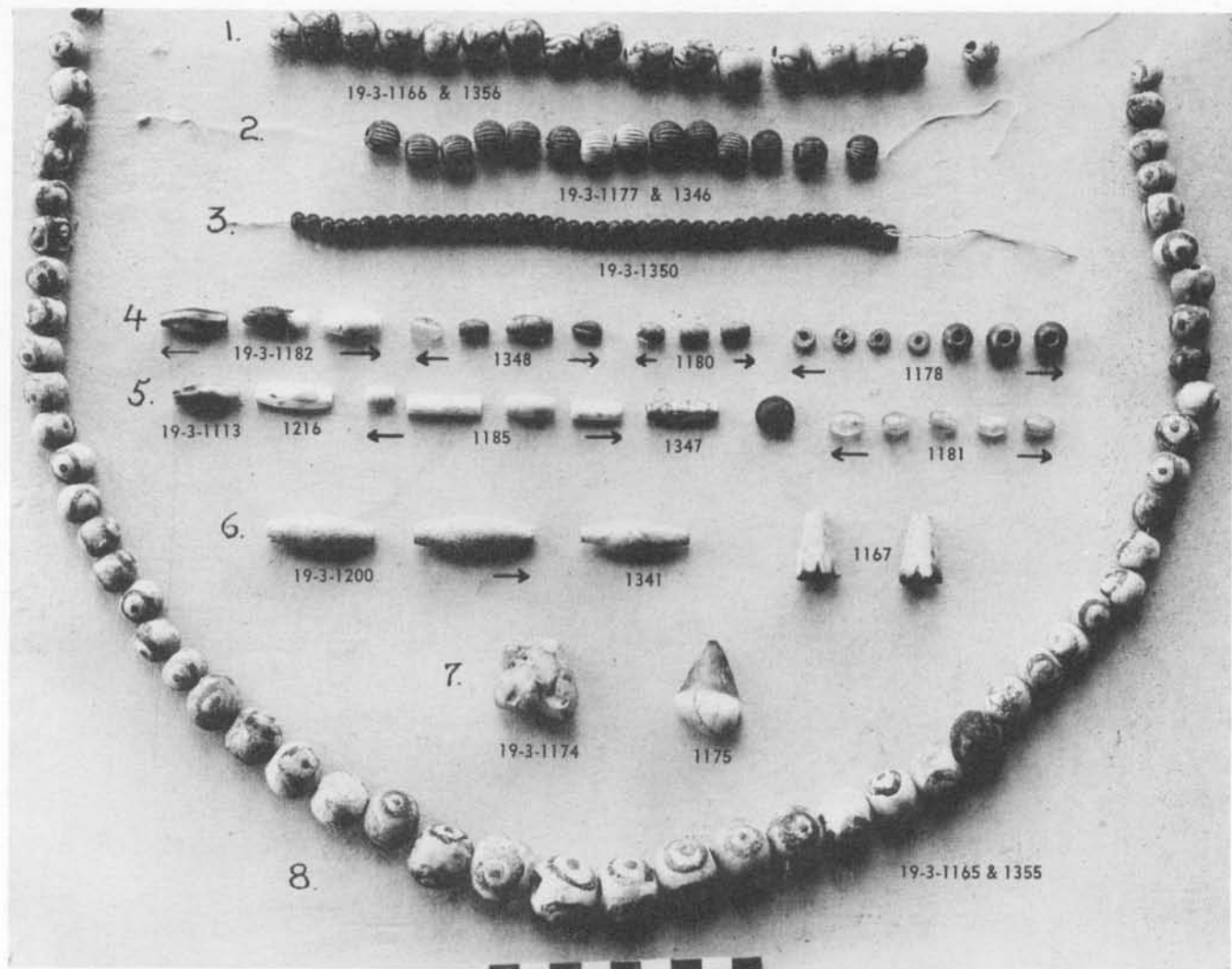
B 3631



C. Ku. 4. Silver vessels. 19-3-665, 664.

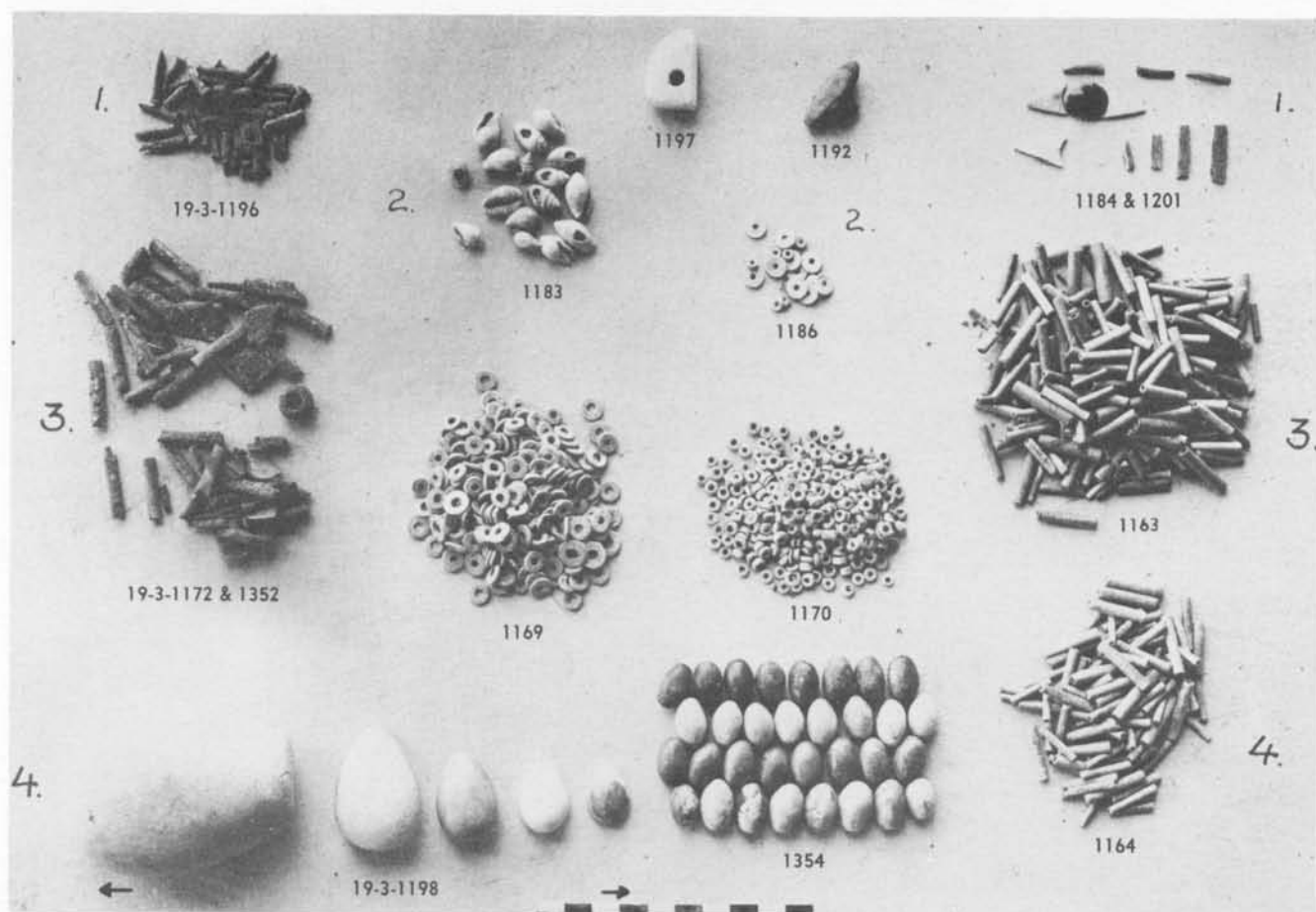
B 3645

FAÏENCE AND SILVER VESSELS



A. Ku. 53.

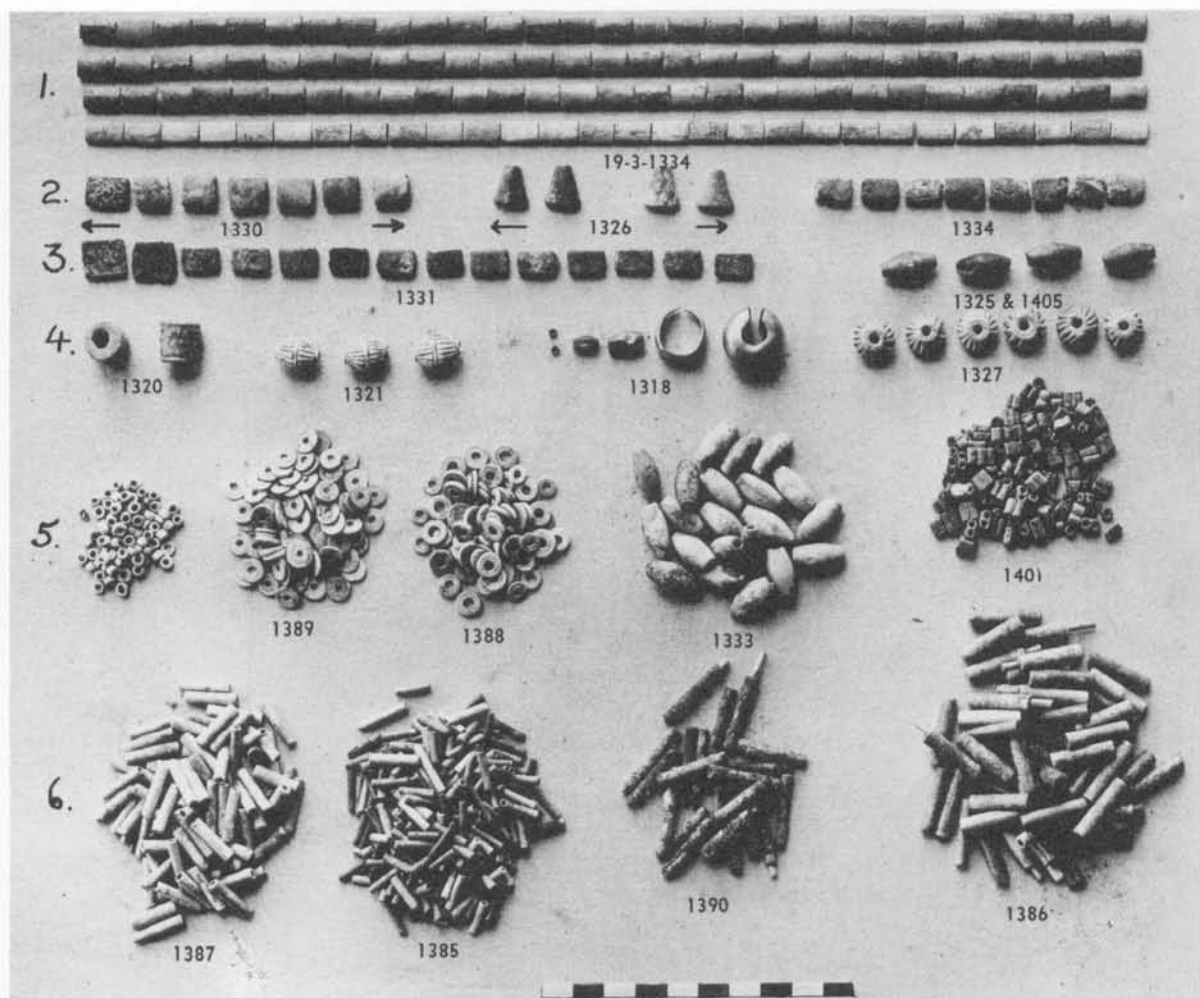
A 2833



B. Ku. 53.

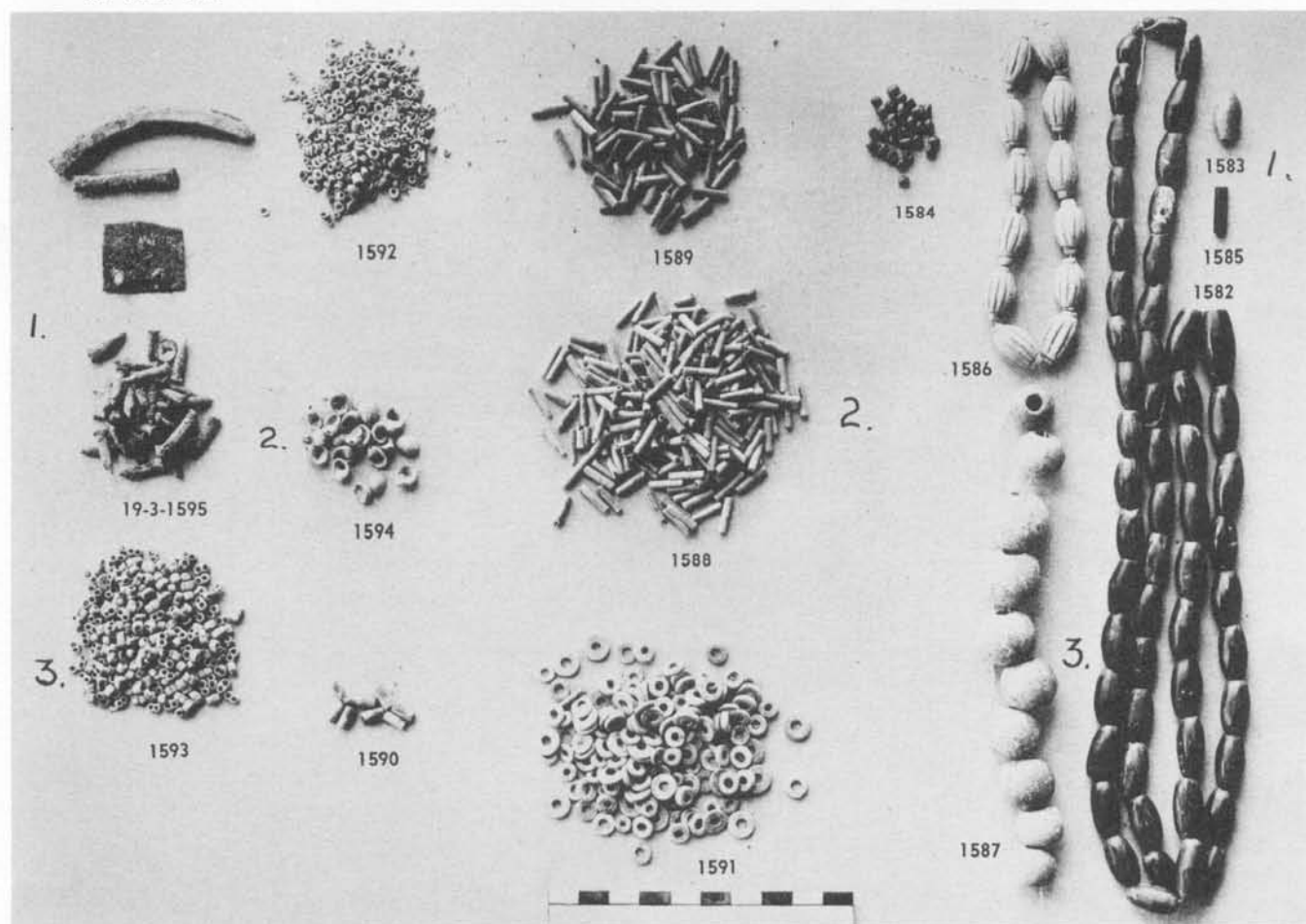
A 2834

BEADS



A. Ku. 54.

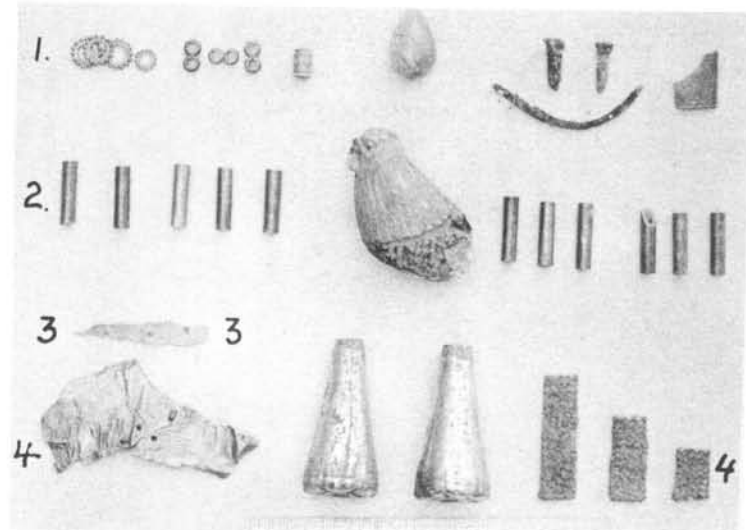
A 2836



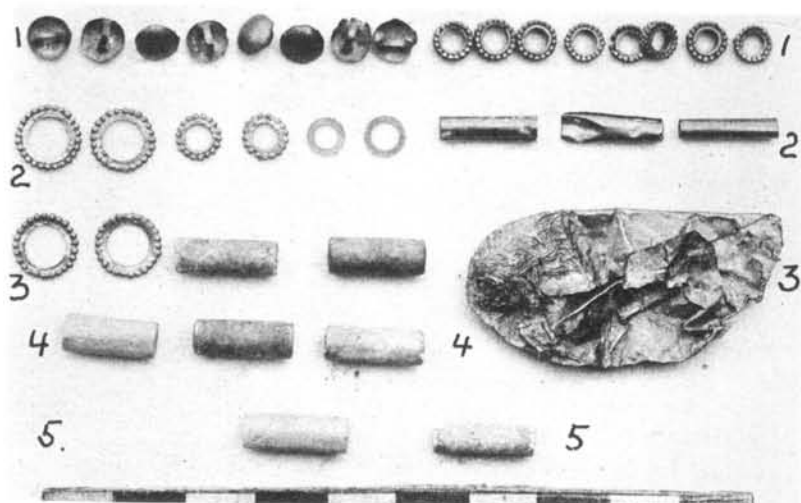
B. Ku. 52.

A 2835

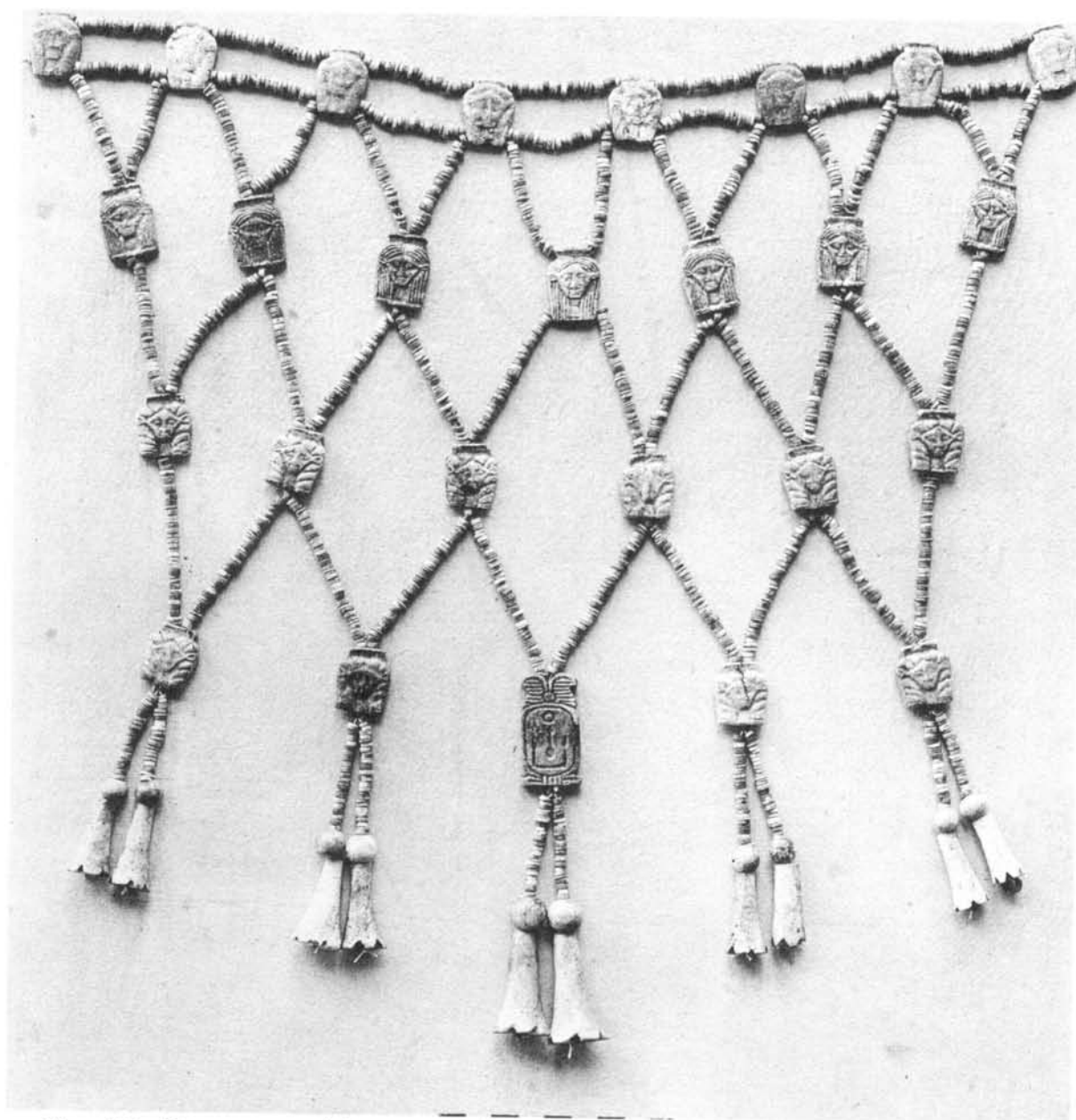
BEADS



A. Ku. 15. Row 1: 19-3-175, 177, 176, 181, 202,
 Row 2: (1-5, 7-9) 19-3-178, (6) 174, (10-12) 180.
 Row 3: 19-3-179.
 Row 4: 19-3-226, (2-3) 173, (4-6) 201. C 9577



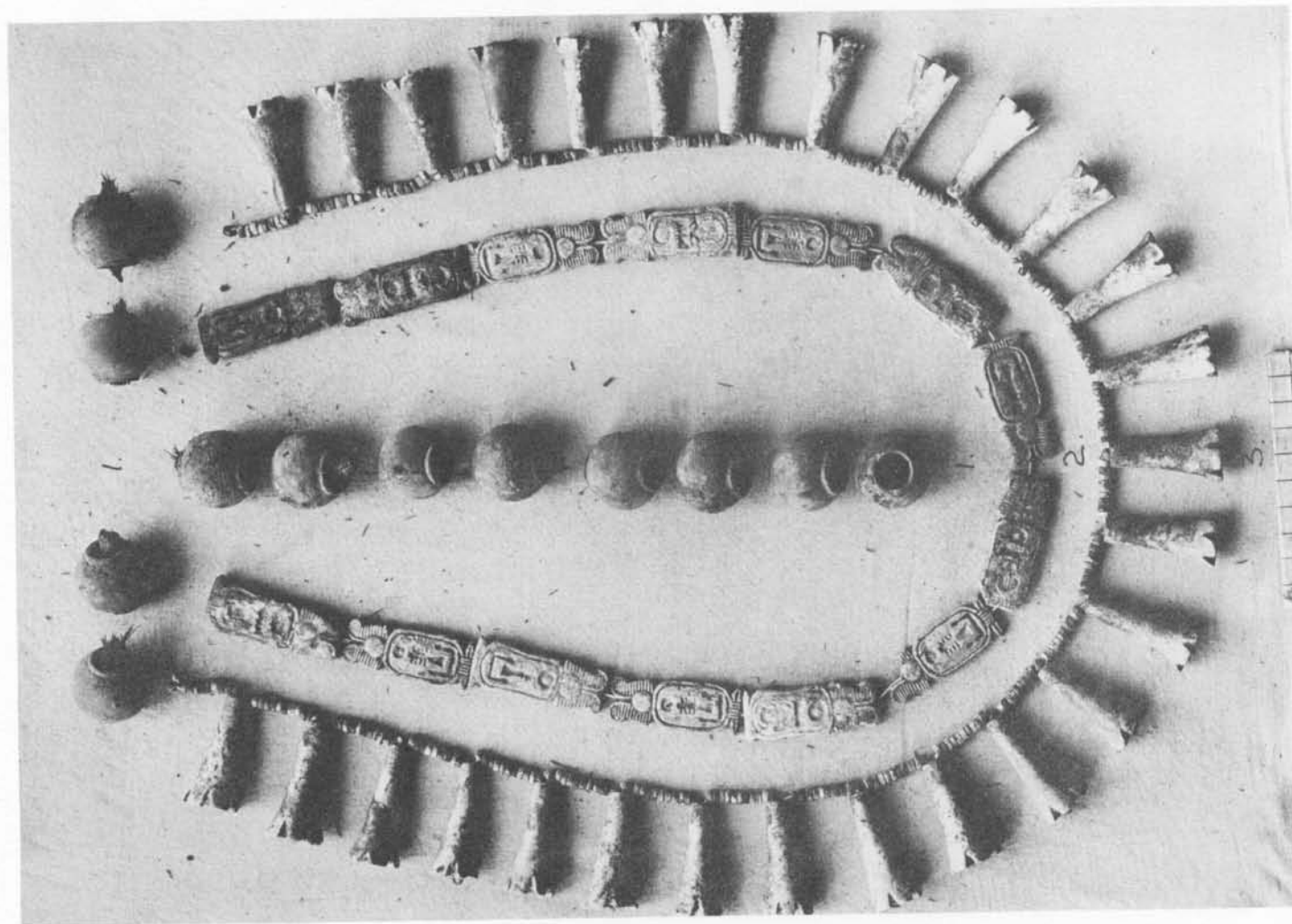
B. Ku. 61. Row 1: (1-8) 18-4-523e, (9-16) 523d. C 10766
 Row 2: (1-2) 18-4-523a, (3-4) 523b, (5-6) 523c, (7-9) 522.
 Row 3: (1-2) 18-4-523a, (3-4) 521, (5) 524.
 Row 4 & 5: 18-4-521.



c. Ku. 201. Reconstructed horse trapping.
 19-3-687, 688, 691, 706-708, 709-712, 713, 717, 19-4-32.

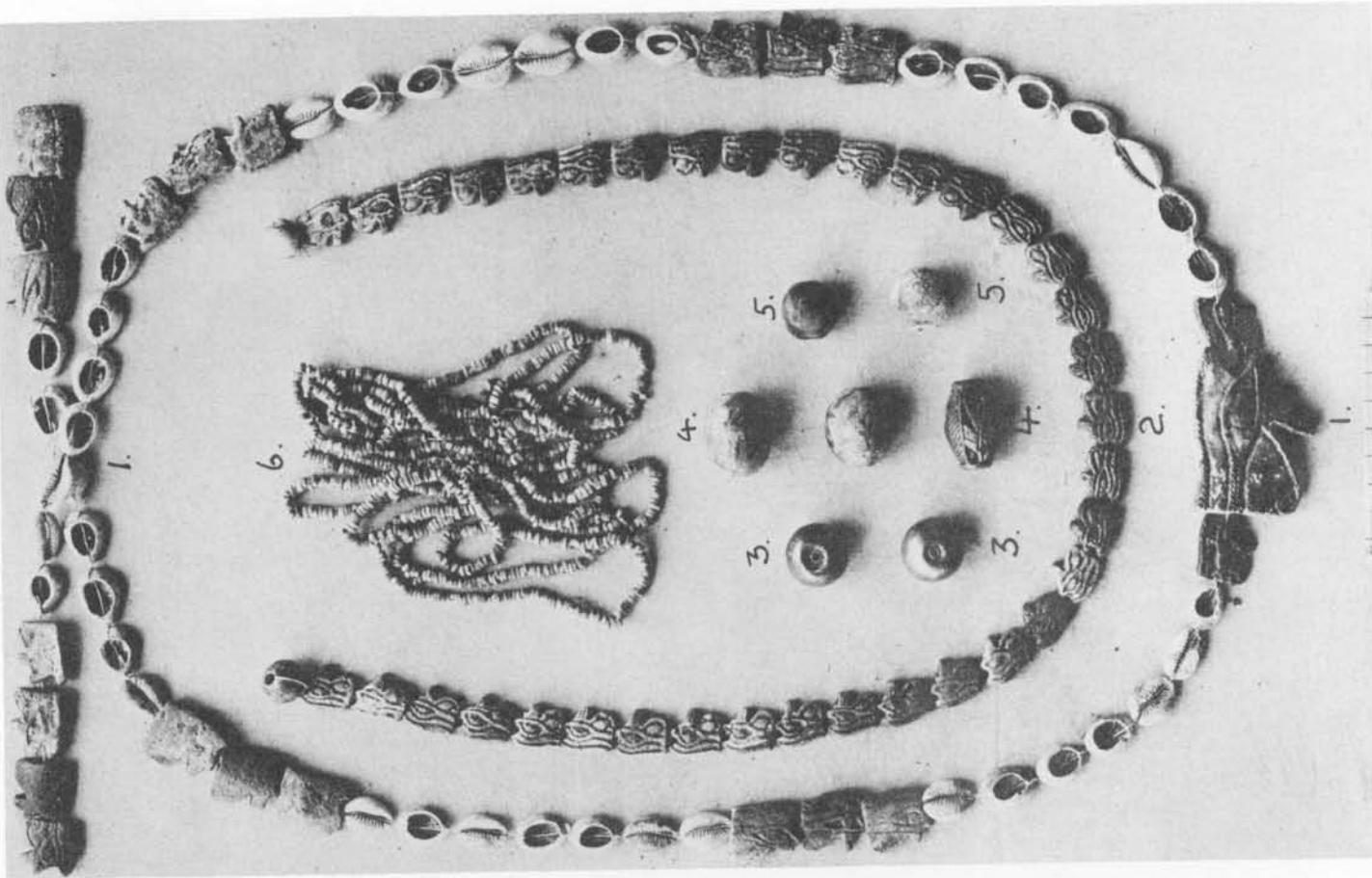
A 2782

BEADS



A. Ku. 209. Horse trappings.
1: 19-4-85, string 5. 2: 19-4-71, string 4.
3: 19-4-73, string 3.

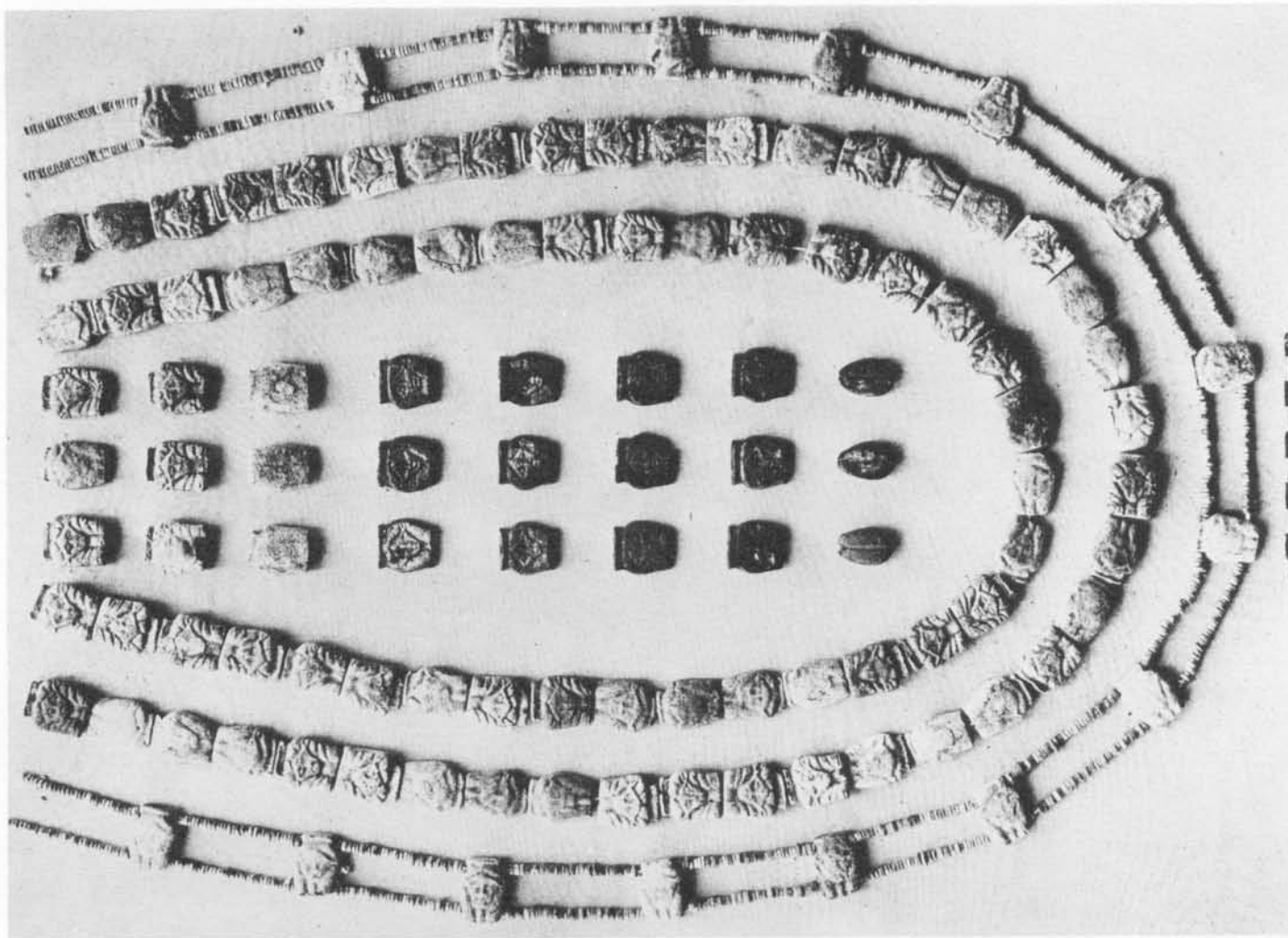
A 2808



B. Ku. 209. Horse trappings. 1: 19-4-72, string 1. 2: 19-4-74, string 2.
3: 19-4-83. 4: 19-4-80, 80, 79. 5: 19-4-82, 81. 6: 19-4-75.

A 2809

BEADS

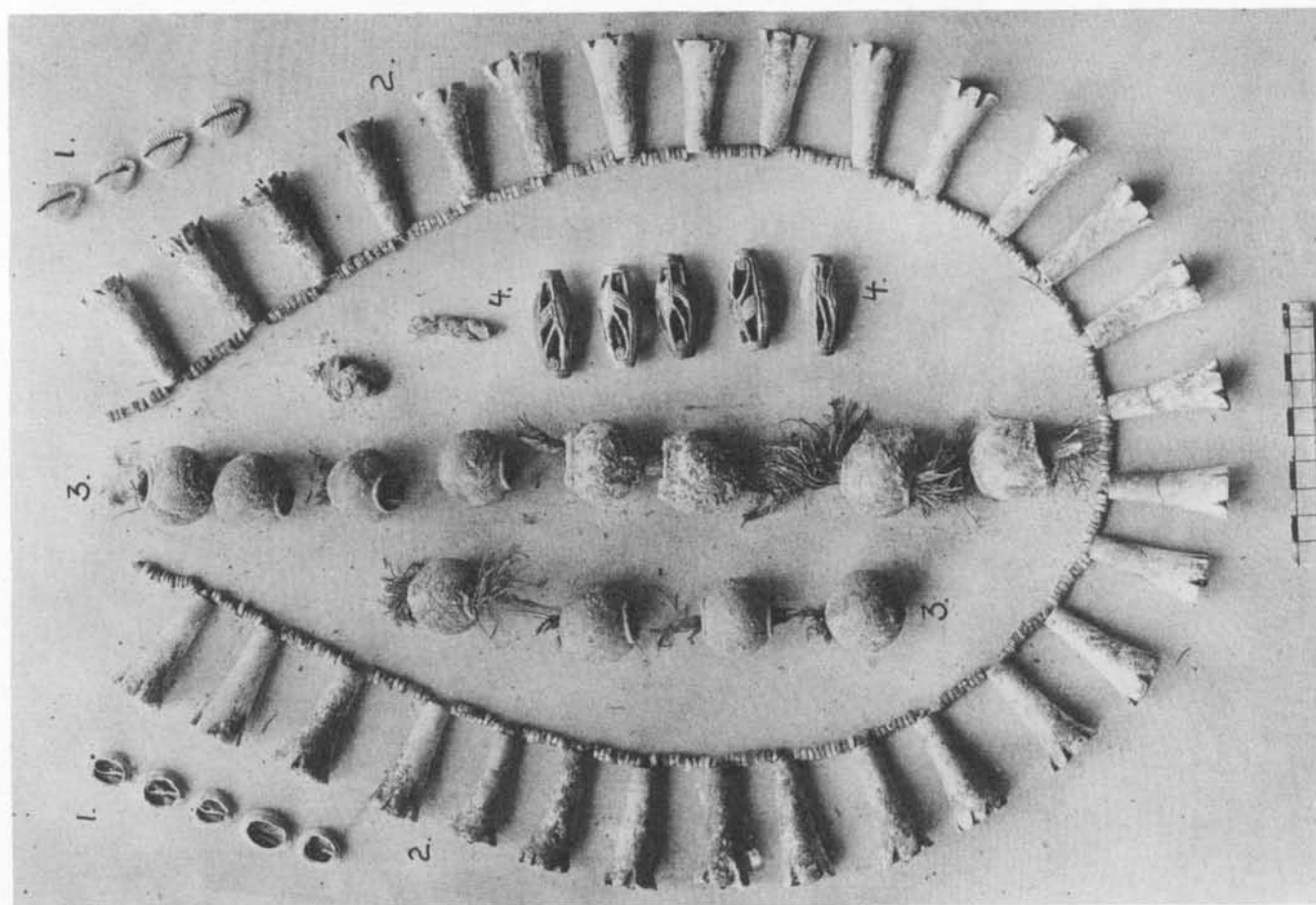


B. Ku. 203. Horse trappings.

19-4-37 faience Hathor heads, 19-4-40 silver Hathor heads (center), 19-4-41 three silver cowrie shells.

A 2810

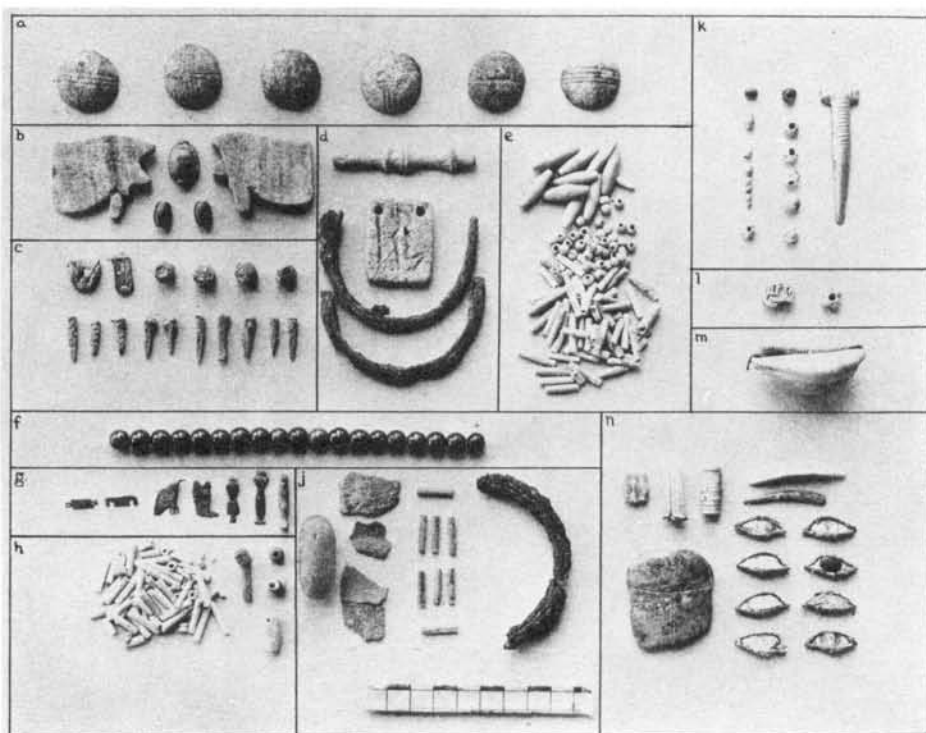
BEADS



A. Ku. 212. Horse trappings. 1: 19-4-60. 2: 19-4-57.

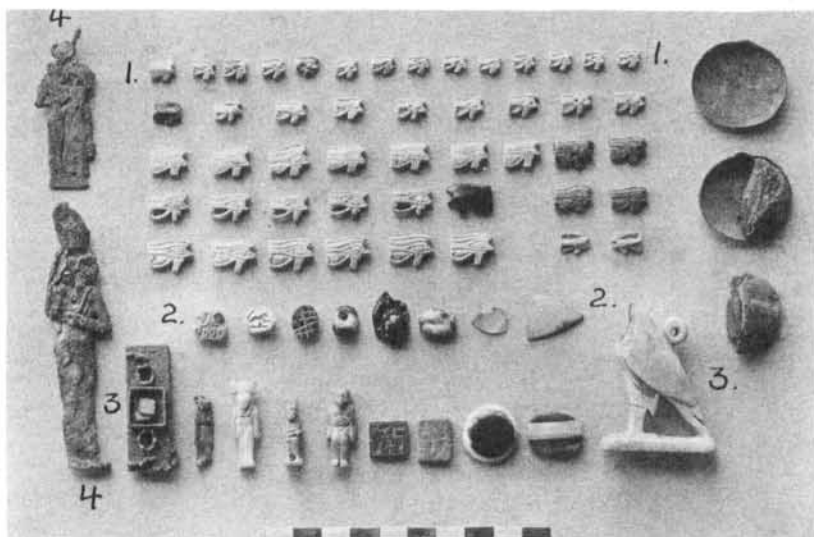
A 2806

3: 19-4-59. 4: 19-4-58.



A. Ku. 62. n. Ku. 71. f,g,h,j, Ku. 72. a,b,c,d,e.
Ku. 101. k,m. Ku. 103. 1.

A 2830



B. Ku. 52. Row 1: 19-3-1045.
Row 2: 19-3-1053, 1074, 1075, 1073, , 1052, , 1072.
Row 3: 19-3-1042, 1043, 1041, 1046, 1047, 1050, 1049, 1048,
1051, 1080. Row 4: 19-3-1145, 1146.

B 3724



C. Ku. 51. Row 1: 19-3-988,
1012, 983, 984, 982.
Row 2: 19-3-986 & 987, 1011.

C 8846



D. Ku. 5. Mud seal impression
19-2-647.

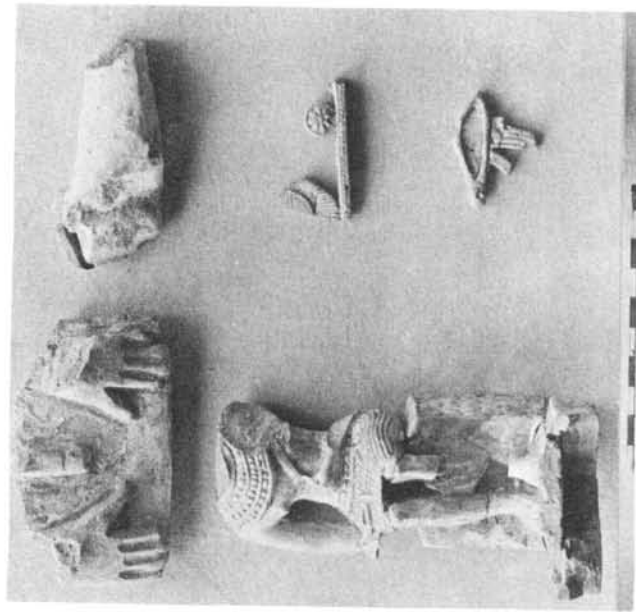
C 8777



E. Ku. 5. Mud seal impression
19-2-648.

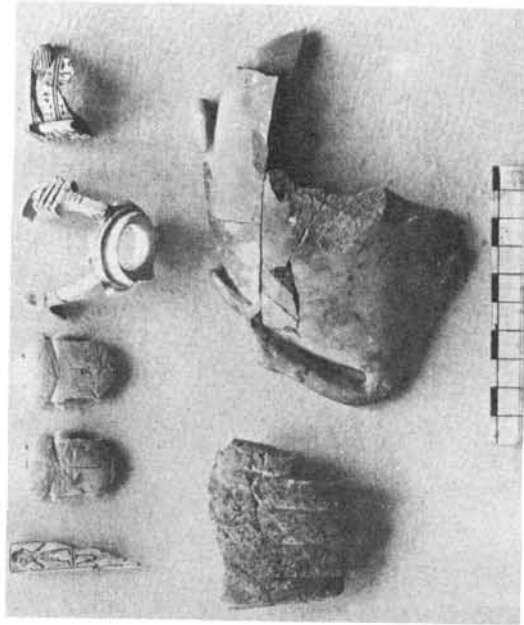
C 8773

MISCELLANEOUS



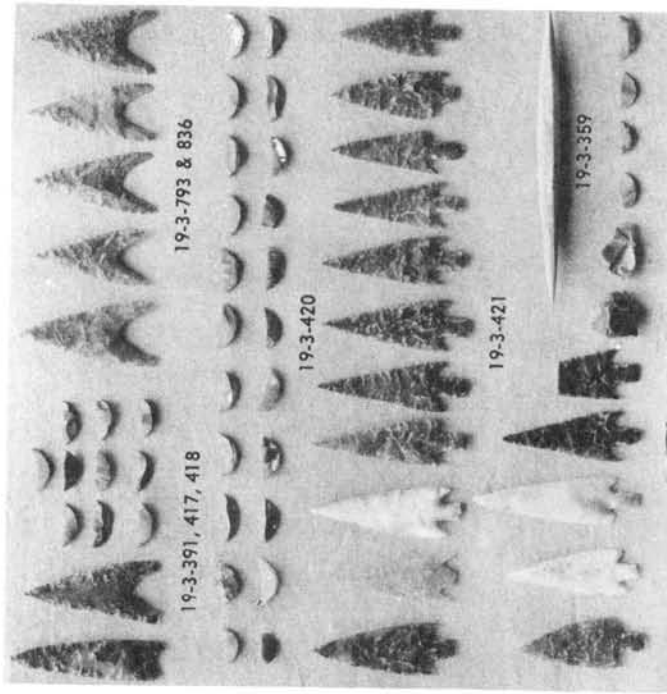
A. Ku. 22. Row 1: 19-3-659, 659.
Row 2: 19-3-631, 633, 632.

B 3642

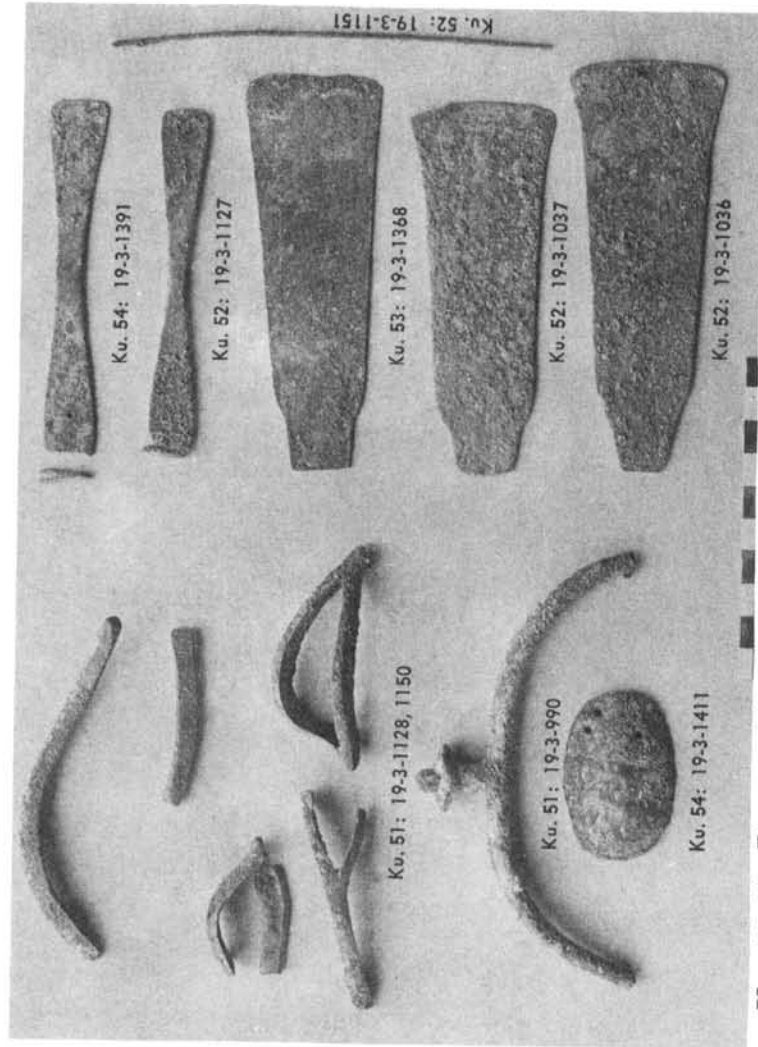


B. Ku. 4. Row 1: 19-3-498, 499, 499, 499, 496.
Row 2: 19-3-491, 493.

B 3643

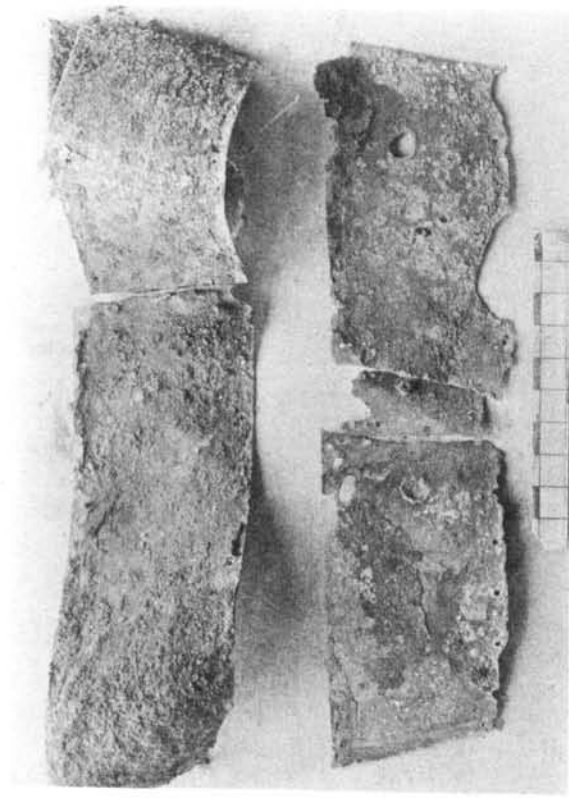


C. Ku. Tum. 1, 2, 4, Ku. 19. Arrow heads, etc. B 3662
Row 1: Tum. 2, Ku. 19.
Rows 2 and 3: Tum. 4. Row 4: Tum. 1.



D. Ku. 51-54. Bronze objects.

B 3722



E. Ku. 209. 19-4-78.

C 8824



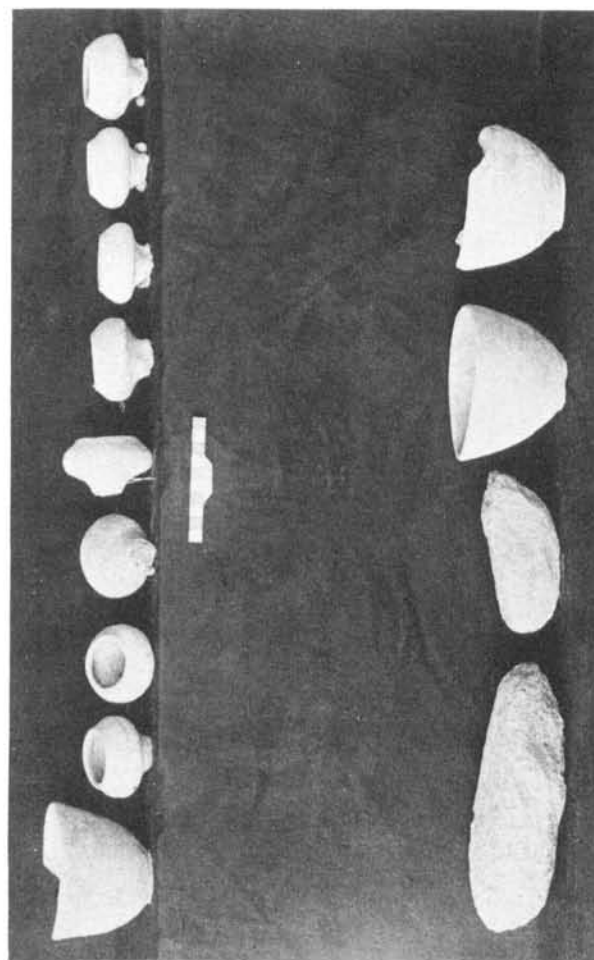
A. Ku. 1. Northeast deposit: tablets and models.

B 4152



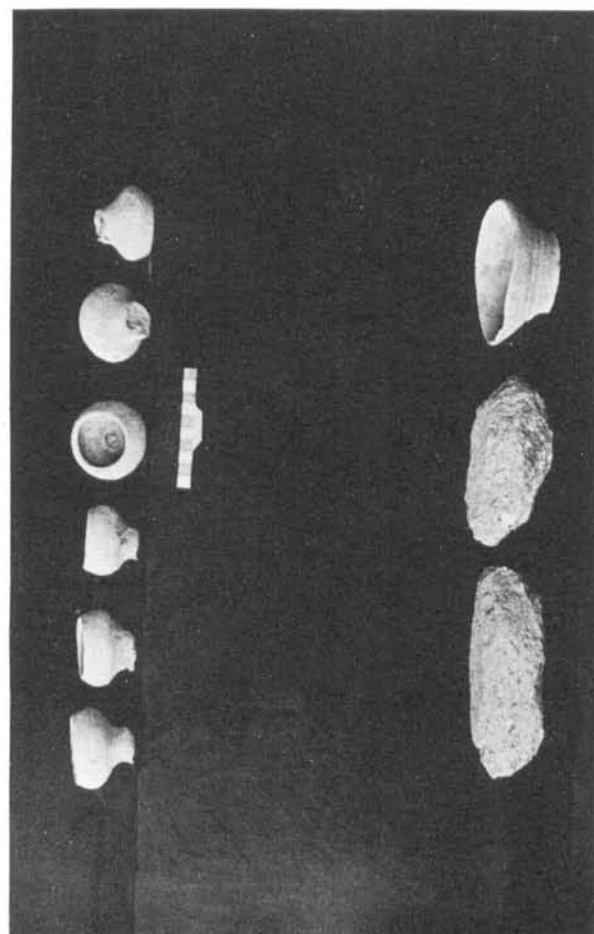
c. Ku. 2. Southwest deposit: tablets and models.

B 3736



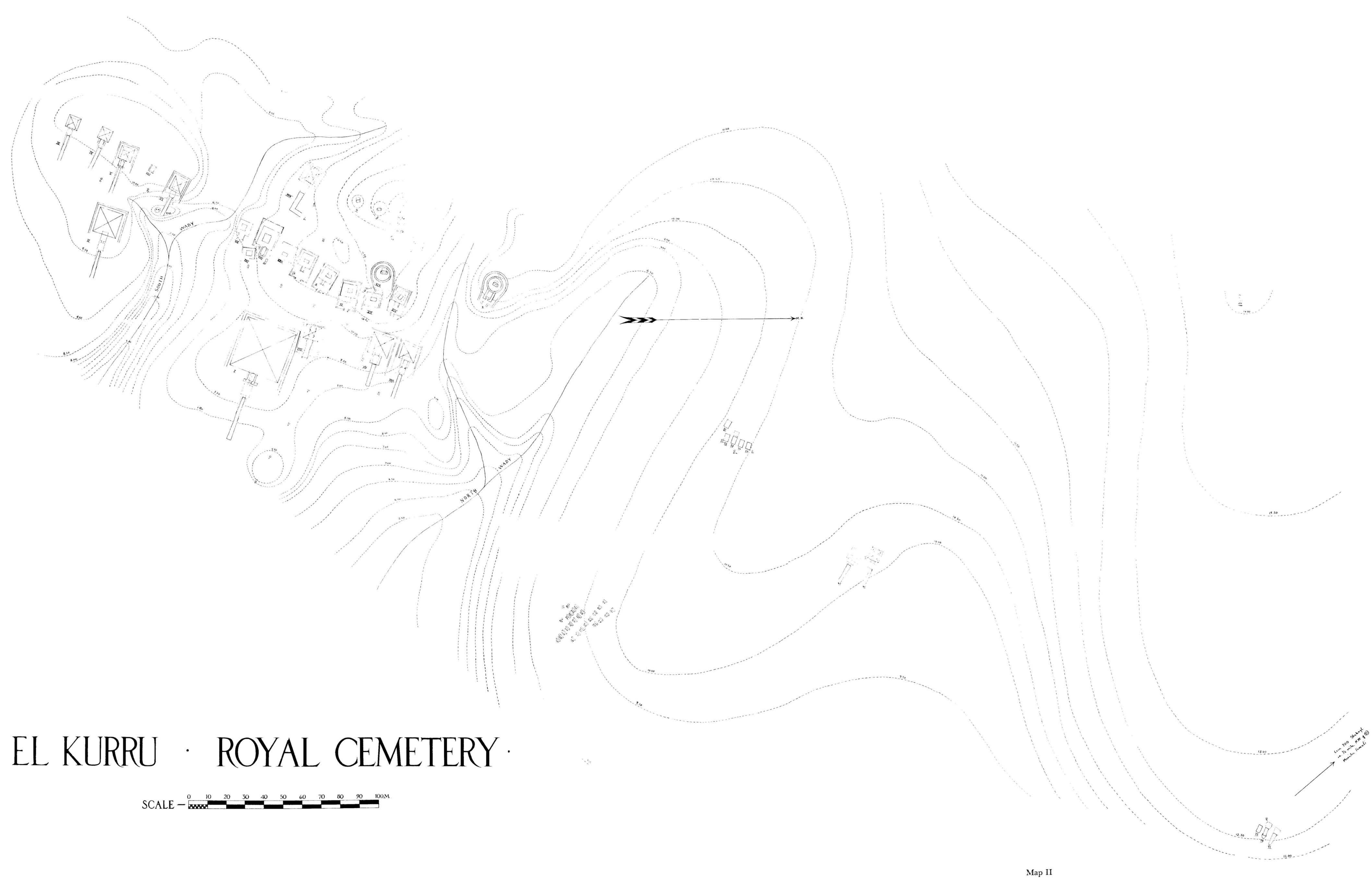
B. Ku. 1. Southeast deposit: pottery, etc.

C 8489



d. Ku. 2. Southeast deposit: pottery, etc.

C 8490



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SCALE — 0 10 20 30 40 50 60 70 80 90 100M