

THE DILMUN BURIAL COMPLEX AT SAR

THE 1980 - 82 EXCAVATIONS IN BAHRAIN

M. RAFIQUE MUGHAL, Ph.D.



STATE OF BAHRAIN
MINISTRY OF INFORMATION
DIRECTORATE OF ARCHAEOLOGY & MUSEUMS

1983

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H.H. Shaikh Isa Bin Salman Al-Khalifa
The Amir of the State of Bahrain

**TO
ALL RESEARCHERS
ON THE
DILMUN CIVILIZATION**

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PART — I

1. Introduction

More than one hundred years have passed since attention was drawn to the antiquities of Bahrain by Captain E.L. Durand (1879) with his publication of finds from the tumuli at A'ali. Eleven years later, Theodore Bent (1890) published contents of two more mounds of the same group. He was followed by M.A. Jouannin in 1903 who tunnelled another tumulus in search of antiquities. At least 34 more burial mounds near A'ali were opened systematically by Captain F.B. Prideaux (1912) between 1906 and 1908.¹ With the arrival on the scene of E. Mackay in 1925, the digging of tumuli in Bahrain changed hands from amateurs or enthusiasts to professionals. His excavations of 34 mounds (Mackay 1925) and later investigations of 30 tumuli by P.B. Cornwall (1944) brought to light a wealth of information which led scholars to identify Bahrain with ancient Dilmun (Cornwall 1946), an entrepot state referred to frequently in the Sumerian commercial documents.

In this background, the field research of the Danish archaeologists led by P.V. Glob and G. Bibby for an uninterrupted period of seventeen years at many sites of the Gulf region between 1953 and 1970, revolutionized the archaeology of Bahrain in particular (Bibby 1970) and that of neighbouring areas. The excavations at Qala'at al-Bahrain provided an important cultural sequence which to date is the basic chronological framework for the third and second millennia B.C. sites to which period, most of the burial mounds of Bahrain belong. Excavations of tumuli, however, continued at various places by the Danish archaeologists who dug at least 59 mounds (Bibby 1954 & 1970) on different occasions. Moreover, forty-eight mounds were dug by amateurs, namely Mrs. E.P. Jefferson and Capt. R. Higham (During Caspers 1980).

The field researches of the Danish archaeologists and publications of summary reports in *Kuml* and elsewhere coupled with Bibby's informal but thrilling account (1970), created a profound impact upon scholars. As Bahrain's position amidst contemporaneous civilizations came into focus, a succession of sites were excavated by Bahrain's Directorate of Antiquities led by Dr. Abdul Kader Tikriti in the 1970's, whose full report still awaits publication. A number of French, British and Australian archaeologists also joined the local Bahrainis in investigating several sites of wide ranging cultural horizons (Rice 1970-71; Roaf 1973-75; Petocz and Hart 1980; Cleuziou *et al* 1981; and *Kervran et al* 1982). Between 1977 and 1979, a joint Arab Expedition led by Dr. Moawiyah Ibrahim excavated several tumuli at Sar and trenched a burial complex site representing a different type of grave construction from those of the burial mounds (Ibrahim 1982). The principal objective was to excavate the tumuli which were destined to be removed while constructing a proposed causeway linking Saudi Arabia with Bahrain. The recent excavation at the Sar Burial Complex between 1980 and 1982 were in continuation of the work originally started by the Arab Expedition.

The site of recent archaeological investigation is located less than two km south of present-day Sar village and on the eastern edge of Sar ridge which rises more than ten metres above the sea level or five metres from the plain level on its east.² The site looks like a settlement mound from the surface, rising gradually towards the north and covering an area ninety metres North-South and sixty-three metres East-West, or 5,670 m². It stands out in contrast to the tumuli situated on its north and west. On its northeast and east lies a vast plain of gravel silt and sand which extends towards south up to Buri and A'ali villages. On its west lie aeolian sands with dune forms which merge gradually with the seashore. Most of the Sar ridge on its north and southwest is loaded with tumuli and the proposed Saudi Arabian Bahrain Causeway will cut across that densely covered area including the Burial Complex (Fig. 1)

2. Previous Work

As already noted above, trenches at this site were first dug during 1977-79 as part of a major digging operation launched by a multi-national Arab team led by Dr. M. Ibrahim (1982). The entire mound was divided into four parts marked as Areas A, B, C, & D and a grid of 5 x 5 m squares was laid out for excavation, leaving baulks of 50 cm because the site was originally thought to be a settlement. Thirty-four squares were excavated at different places and a number of graves built of roughly hewn stones and covered with stone slabs were revealed. Each grave was marked off by a curved (ring) wall built against the walls of earlier graves. Thus, a pattern of interconnected graves each enclosed by a ringwall emerged which had no parallels with any site so far known in Bahrain. Various types of funerary objects recovered from the graves indicated that most of them belonged to the so-called "Barbar" period, comparable to those from City II levels of Qala'at al-Bahrain.

3. Recent Excavations

Excavations were resumed in late November, 1980 in Area D which was not excavated previously except for one trial trench (D/GI) laid in 1979. The whole area was divided into squares keeping their size and alignment according to the previous plan (Fig. 2). During the first season of excavation lasting for six months until the end of May, 1981, the whole area 'D' consisting of 58 squares was excavated. The structural remains that appeared in each square were recorded separately as feature numbers (Fig. 3). As most graves along with their ringwalls, were located in more than one square — in places as many as four squares and were recorded separately by individual excavators, it was decided to adopt a uniform system for numbering the graves which would facilitate quick reference to recorded data and comparative analyses. Accordingly, different feature numbers, occurring in different squares but belonging to one grave and its associated ringwall, were grouped under one Burial number as given in Appendices D and E.

During the second six month long excavation season of 1981-82, the 50 cm wide baulks were removed systematically and graves lying under them were fully excavated. New graves in the Burial Complex and multiple graves belonging to one tumulus received sub-numbers A, B, etc... and adjusted within the final Burial numbers assigned after the first season of work (Figs. 4 & 5). In all, 150 graves of both the Burial Complex and tumuli were fully excavated while 28 graves strung along the northern and eastern baulks could be explored only partially. Nineteen completely excavated graves belonged to eight tumuli located close to the western and southwestern limits of the Burial Complex.

In presenting the results of the two seasons' works, an effort has been made to provide full and complete information. Separate sets of forms were used in the field to record data on graves, funerary objects, ringwalls and other relevant details by the present author independent of team members whose reports on individual squares written in Arabic are preserved in the office files. The amount of information recorded in the field has been fully utilized in tabulating basic data on each Burial along with its ringwall and funerary objects as presented in Appendix C. That data forms the basis of analyses of evidence on various structural features of grave chambers, walls, mode of construction, masonry, ringwalls, contents of the grave chamber, stratigraphy and skeletal remains as given in part II. The Burials which were partially excavated are described separately (part-III). All categories of antiquities are

treated separately namely pottery, copper/bronze objects, objects of steatite, shells and beads in part-IV of this volume. In order to facilitate reference, the illustrated antiquities including pottery are listed separately under Appendix B with catalogue numbers and cross references. A detailed catalogue of small finds (Appendix A) is included to serve as a source of information on finds, their provenance and relevant illustration.

It is hoped that archaeological information contained in this volume would be easy to make use of and its documentation would satisfy critical researchers. Moreover, observations presented in the text would be easy to verify from the actual data.



PART - II

**ANALYSES OF COMPLETELY
EXCAVATED BURIALS**

PART - II

Analyses of Completely Excavated Burials

The excavated area 'D', constituting almost one quarter of the total area covered by this site, revealed a total number of 178 graves each enclosed by a curved wall in the Burial Complex or a complete circular wall around a single or multiple graves of the tumuli (Figs. 4 & 5). Out of 59 squares in which this area was divided for excavations, only one (D/G1) containing Burials Nos. 73 and 79 of our scheme of reference, was dug previously in 1979. The tumuli has been discovered close to the southwestern limits of the Burial Complex in Area 'D' only. There is no evidence on the surface to suggest that any burial mound existed elsewhere near the Burial Complex.

Out of 178 graves, only 131 were completely exposed. The remaining 28 graves were partially lying under the northern and eastern baulks. On the northern side, the unexcavated graves are Burials Nos. 1, 5a, 6, 20, 21, 40, 60, 103, 104, 132 and 140. Those on the eastern side are Burials Nos. 2, 4, 9, 11, 12, 13, 30, 41, 46, 72A, 72B, 80, 86, 87, 89, 90, and 153. There are eight burial mounds enclosed by a complete circular wall along the western edge of the Burial Complex. Each tumulus contains single or multiple graves totalling upto 19. In all, information on 150 completely excavated graves in both the Burial Complex and tumuli is available. Each grave, along with its associated curved wall or ringwall in both the Burial Complex or Tumuli has been designated as Burial from 1 to 153 with sub-numbers. The analyses of the evidence as presented below pertains to the Burial Complex and the tumuli but features peculiar to tumuli have also been pointed out. Such a collective treatment of the evidence is not without reason. Evidence has shown that most tumuli were contemporary with the later part of the Burial Complex, as will be indicated in the following discussion.

1. The Burial Ground

The surface level occupied by the Burial Complex and the tumuli gradually rises towards the northeast along the central lines of grid dividing the entire site into four parts, 'A', 'B', 'C' and 'D'. The graves are built on original limestone rock surface and on secondary surface exposed by quarrying the stones from the same site for use in the construction of graves. Near the western edge of Area D, there is a depression formed by the removal of the top crust of the bedrock (PL-II, foreground) where an irregular secondary surface of soft stones occurs more than 60 cm below the original surface of rock. The exposed surface rock around the site shows weathering effect by the wind blowing from the northwest and, in some places, irregular cracks and impressions of algae. It is obvious that the rock near Sar was formed under shallow water conditions as is happening even today off the coast of Abu Dhabi. Parallel streaks of wind erosion were noticed on the stone slabs used in graves (PL-XIB). The evidence of quarrying right on the site itself and the construction of graves over secondary rock surface would indicate that the building materials used at Sar were not brought from other areas.

The stones were not quarried from one particular place but it seems that the builders utilized the available stone wherever they could find it near the site. This is indicated at a number of places along the western extremity of Area 'D' where secondary rock surface is lying exposed between the original rock surface. At the southernmost limit of the site, the tumuli have been built directly on the original rock surface. It would seem that the north-eastern corner of the site was built first where most graves are built on the original rock

surface. A similar situation is noticeable in the adjacent Area 'C', where excavations done in March 1981 revealed a depression caused by quarrying near the eastern limits of the site.

At first glance, the Burial Complex and some tumuli would seem to be structurally connected at the northwestern fringes (Figs. 4 & 5) but a closer look reveals that it was not according to the original plan. It is pointed out that the enclosing walls of graves (ringwalls) are generally curved making a semi-circle from one end to another. However, at the southwestern end, the enclosing walls are angular as distinct from those in the middle of the Burial Complex. An almost straight edge is visible as the ringwalls run from southeast to northwest for example, Burials 84, 113, 112, 111A, 111, 111B, 114, 115 and 115A (Fig. 5). The graves located further to the southeast, Nos. 83, 85, 88, 89 and 90 are almost in alignment with the outer face of the interconnected walls mentioned above. However, it seems that the builders at first, wanted to limit construction of graves almost in alignment with those numbered 103, 102, 101, 100, 99, 98 and ending with Burials 81, 82, and 87. With very few exceptions all the graves located on this line have their enclosing walls built with an almost straight external face. Apparently, it was the first limit which the builders wanted to maintain for the graves in Area 'D', but somehow, perhaps under pressure, they continued adding graves until the second or the last limit was reached as we see along the line of Burials 115 to 90 in the southwestern part of the site.

In the northwestern part where the original rock surface was available, the builders appear to have continued building graves even after the first limit which they tried to maintain between Burials 103 and 100 was reached. There are at least two more lines of angular walls before they reached the western end of the site but even there, they added two more graves (Burials 141 and 142). The sequence of construction as suggested by the alignments of the ringwalls is a useful indicator of the chronological position of the graves. The two tumuli, Burial 116 and 116A (enclosed by a single ringwall) and Burial 117 appear to have been built at a time not far removed from the originally intended limits of the Burial Complex. Several graves constructed on three sides of the large tumulus with Burials 116 and 116A emerged on the scene at a much later date, most probably to utilize the then available space. Apparently, the builders of the Burial Complex approached the large tumulus from northeast rather than making it a starting point. The surrounding graves and the tumulus are, as indicated by archaeological finds, contemporary with each other. However, it must be added that finds from the graves located at the exposed northeastern corner or in the middle of the Burial Complex, are earlier in date than those found in the tumuli on the western fringe.

Archaeological finds from the graves are the only basis on which the tumuli located near the southwestern part of the Burial Complex can be dated. At least one tumulus containing Burials 150, 150A and 150B, belongs to the Kassite period (circa 1700 - 1200 BC), while most other graves of the Burial Complex and including some tumuli are contemporary with Barbar I III period about 2100 - 1750 BC., corresponding in date to City II levels at Qal'at al Bahrain.

2. Mode of Construction

The construction of interconnected graves enclosed by curved, angular or semi-circular walls (commonly expressed as ringwalls) on such an elaborate scale as in the Burial Complex, and its separate location from the general area of mound field on the Sar ridge, raises many questions about its emergence, social or cultural implications and relationship with the tumuli. The location of a Burial Complex on elevated rock surface at the eastern edge of Sar ridge overlooking the plain and the possible existence of another one approximately 200

metres to its northeast, does signify pre-selection of particular areas for the construction of this type of burials. The basic concept of providing a grave chamber protected by a wall was similar to one reflected in the tumuli. Overwhelming evidence from the graves of the Burial Complex points to its use being generally contemporaneous with the tumuli of Sar during the last quarter of the third and early part of the second millennium B.C., i.e. the "Barbar" period. Although a greater frequency in occurrence of steatite stamp seals in the Burial Complex has also been noted before (Ibrahim 1982), yet the ceramics in both types of burials are identical. At another contemporary site of Al-Hajjar, both the stone stamp seals and ceramics are comparable with those from the Sar Burial Complex, although the Hajjar graves were dug into the bed rock and had no built up grave chambers and ringwalls. Thus comparison with contemporary sites would strongly suggest that adoption of the honeycomb mode of grave construction was an intentional departure from other methods in vogue at that time. It was perhaps intended to isolate a particular social and possibly religious, if not cultural, group of people who had their own recognized identity in the mainstream of the Dilmun society. The Burial Complex with its closely built graves does not seem to be an attempt to economise on space or labour.

The honeycomb form of burials apparently started from the ringwall of a tumulus located somewhere in the middle of the site under investigation. The position of ringwalls in Area D and in partially exposed adjacent areas, point to a central (unexcavated) spot from where later constructions spread over a long period of time. Similar constructions, re-utilizing the external face of the ringwall, are evident on a small and less conspicuous scale at Sar el Jisr (Ibrahim 1982, Mounds S-137, 232, 267 and 404) and at Buri (Lowe 1982, Tal-20; Brown, Littleton and Stocks 1982, Tal-35 and Tal-A/64; and Mughal 1982, Tal-5 and 7)⁴. Such subsidiary or additional graves built with the main tumulus seem to belong to members or near relations of one family, especially infant or child burials, of which Tals-20 and 35 are the best examples at Buri. It may be assumed that the extensive honeycomb patterned cemetery which emerged at Sar at a distinctly separate place, belonged essentially to one particular group of the population who were bonded together economically and socially and who shared common religious beliefs and rites. The infant or child graves discovered on the fringes of Area C also follow the pattern of the Burial Complex.

Unless conclusive evidence is available to establish a chronological priority of similar grave construction elsewhere in Bahrain, the Sar Burial Complex cannot be regarded as a development from subsidiary graves so far known from Sar el Jisr and Buri. Dr. Ibrahim's brilliant work at Sar el Jisr did not yield anything earlier in date than that known to us from extensive digging at the Burial Complex. The site of Buri where 104 burial mounds were "excavated" in five weeks recently (1982) has revealed pottery vessels painted in a style that recall parallels with those from the cairns at Umm an Nar.⁵ Pottery of identical shape and painted groups of zigzag lines in black on red slip was also found at Sar Burial Complex, Area C during 1980-82 season of excavation.⁶ The ceramic collections from nearly two hundred tumuli at Buri excavated during 1980-82 contain "Barbar" red and kassite 'caramel' wares of the type which are also found at the Sar Burial Complex and one of the tumuli (Burial 150). Thus the ceramics of Buri show contemporaneity with Sar el Jisr and the Burial Complex. On present evidence, the honeycomb mode of burial construction cannot be regarded as a late development. It was a contemporary phenomenon with other tumuli which seems to reflect deeper implications concerning the social organizational structure of the Dilmun society.

Overall regularity in the layout would indicate that the graves were built according to a pre-conceived plan and must have been the work of a special class of artisans employed for their construction. It is almost certain that most of these graves were kept ready to receive the dead. Most of the graves were constructed in two stages. The vertical part of the burial

chamber and lower part of the ringwall were constructed first and the space in between was filled up with earth mixed with stones. The uppermost part of the grave was constructed after the dead was placed inside the chamber. The chamber was then covered with large slabs of stone. On the basis of stratigraphical evidence, it has been ascertained that a filling of earth and stones sealed the capstones of the graves. It is very likely that with a pile of earth on top, the graves resembled the tumuli. Unfortunately, the original surface of the Burial Complex has been disturbed in recent years and also has undergone changes by natural causes since its construction.

Observation of the individual burial chambers indicated that the long walls of the graves extended, in most cases, up to the inner side of the ringwall. The wall on the western (southwestern end of each grave) was not bonded with long walls. In the majority of cases it was found to be severely damaged or had completely fallen inside the burial chamber. It seems that the western wall was left to be built later in order to adjust the burial chamber in accordance with the size of person to be buried. The length of the burial chambers show a great variation between 110 and 215 cm. It has already been suggested that most, if not all, graves were already built in anticipation of receiving the dead person.

As already stated, a number of graves clearly showed two stages of filling corresponding to two distinct building stages of the burial chamber i.e. the vertical and the projecting parts. The fillings associated with the vertical part of the grave were found to be different in content from those associated with the projecting part and also the capstones. However, it was not possible to make a clear distinction between two deposits in all cases. The graves located in the southwestern and western parts of the site showed no clear distinction of deposits. The entire deposit appeared to be uniform in content and composition from the bedrock to the capstones and above. Examples of small sized graves with a ringwall built very close to the external side of the burial chamber, had too little deposit in between the grave and the ringwall to indicate any variation.

The graves and associated ringwalls are austere structures, built of rough or semi-dressed stones and are devoid of mortar. The burial chambers and ringwalls are raised above the surface of existing bedrock without any foundation. In order to provide strength and stability to the structures, their basal parts show use of large sized stones. The filling in between the grave and the ringwall provided additional strength to the whole structure and held it together. Further support was given by later structures which were built against the pre-existing ringwalls. The absence of mortar allowed material such as earth and sand, to creep into and fill up the burial chamber.

The tumuli near the Burial Complex are also built of roughly hewn stone and without mortar. There are, however, three exceptions; Burials 116, 146 and 150. These burials are built of semi-dressed or dressed stones and reflect careful construction. (Pls. XXXI, XXX-IIA & B, XXXVB & XXXVI). The use of lime mortar on the walls and floor was observed only in Burials 150 and 150A, which belong to the largest of all the tumuli found near Area D. Burial 150 was plastered with lime mortar not only on the walls but also on the floor surface of natural or original bedrock (PL.XXXVIIA).

3. Orientation of Graves

At first glance, an overwhelming number of graves seem to be oriented from EN to SW but compass readings indicated variations even within 90° of the compass. All the graves are not oriented from NE to SW. Among a sample size of 153 graves, 122 or 79.73% are oriented between 30° and 60° (towards NE); 25 or 16.33% are oriented between 61° and 89° (E-NE); 5 graves or 3.26% of the total are oriented between 300° and 330° (NW) and only

one grave is oriented towards N-NW. It is evident that orientation of the grave chambers varies within the Burial Complex itself and the tumuli, although collectively about 80% of the total number of graves are oriented towards NE. It seems unlikely that variations in orientation of graves were due to invariable re-use of existing ringwalls against which the chambers were built, although such a possibility cannot be ruled out altogether. The orientation of those graves which have alcoves either towards north or south might have been influenced to some extent by the position of the ringwall which the builders wanted to re-utilize for the chambers and alcoves (Burials Nos. 5, 7, 8, 10, 15, 17, 24, 26, 28, 34, 35, 36A, 37, 53, 55, 56, 59, etc.). Similarly, orientation of graves without alcove which utilized existing face of ringwalls on their long sides could also have been influenced by the location of existing structures. It is, however, pointed out that graves provided with an alcove independently on either side of the long walls and not re-utilizing any existing structure are also oriented within 90° of the compass and, thus, fit into a general orientation pattern of the burial chambers. Six graves that fall within 300° and 360° of the compass are certainly different from the general pattern (Burials 47, 48, 49, 110, 117A and 123) for which no explanation is available at present.

At the contemporary site of Buri, precise data is available from only 28 burial mounds amongst more than 150 excavated during 1982 (Brown, Littleton and Stokes, 1982). At that site, over 46% of the total number of burials are oriented towards E-NE and about 39% towards NE. Among the remaining number, more than 3% are towards N-NE, approximately 7% towards E-SE; and 3.57% towards true E-W direction. It seems that at Buri also they preferred to orientate the burial chambers within 90° of the compass as witnessed in the Burial Complex at Sar. The sample size available from Buri is too small to base further conclusions on but it is hoped that the excavators would be able to provide precise information to draw comparisons with other sites.⁷

At Al-Hajjar, an area north of Budaiya Road, was excavated by the Department of Archaeology and Museum in 1980-81. It revealed 57 graves of the "Barbar" period, superimposed by the 'Hellenistic' graves. It was observed that most graves of the "Barbar" period were oriented towards E-NE and, to a lesser degree, to NE.⁸ Examples of graves oriented towards E-SE and even due E-W also exist. There is one grave which shows directions towards N-NW. It seems that at Al-Hajjar there was no definite orientation of the graves during the "Barbar" period — a situation which is quite different from the Sar Burial Complex where an overwhelming number of graves are oriented towards NE or E-NE. Although the graves at Al-Hajjar belonging to the "Barbar" period are contemporary with the Sar Burial Complex, they are dug into natural bedrock. However, it is significant to point out that the builders at Al-Hajjar during the "Barbar" period preferred to orientate the graves within 90° of the compass.

TABLE — I
Orientation of Burial Chambers

A. Between 30° and 60° (NE)					
Burial Number	Degrees	Burial Number	Degrees	Burial Number	Degrees
1.	50°	67.	44°	124.	56°
3.	58°	68.	50°	125.	50°
5.	60°	69.	50°	125A	48°
7.	54°	69A.	58°	127.	44°
14.	60°	70.	60°	128.	50°
15.	66°	71.	60°	128A.	50°
16.	55°	72.	60°	129.	54°
16A	52°	74.	46°	130.	60°
17.	50°	75.	50°	131.	52°
18.	60°	76.	60°	133.	48°
19.	56°	77.	58°	134.	40°
22.	60°	78.	60°	135.	44°
27.	60°	83.	54°	136.	50°
32.	50°	84.	54°	137.	42°
33.	44°	85.	60°	137A.	50°
34.	48°	88.	60°	138.	40°
35.	56°	91.	52°	139.	50°
36	54°	92.	60°	140.	42°
36A.	58°	94.	54°	141.	50°
37.	56°	95.	60°	142.	44°
38.	60°	96.	52°	143.	60°
39.	44°	97.	48°	144.	56°
42.	60°	98.	58°	146.	60°
43.	50°	100.	50°	147.	56°
44.	60°	101.	50°	148.	48°
45.	60°	102.	40°	149.	58°
50.	44°	105.	60°	149A.	60°
51.	58°	107.	54°	150B.	56°
52.	46°	108.	60°	151.	52°
53.	52°	109.	50°	151A.	60°
54.	48°	111.	60°	151B.	44°
55.	52°	111A.	58°	151C.	60°
56.	46°	111B.	50°	152.	52°
57.	42°	112.	60°	152A.	54°
58.	38°	113.	50°	152B.	44°
59.	40°	114.	60°	152.	48°
61.	44°	115.	60°		
62.	60°	115A.	60°		
63.	54°	116.	60°		
63A.	54°	116A.	58°		
64.	56°	117.	60°		
65.	50°	118.	52°		
66.	44°	122.	58°		

B. Between 61° and 89° (E — NE)

Burial Number	Degrees	Burial Number	Degrees	Burial Number	Degrees
8.	64°	31.	62°	99.	64°
10.	70°	73.	64°	106.	62°
23.	76°	79.	76°	119.	62°
24.	68°	80.	86°	120.	62°
25.	78°	81.	70°	126.	64°
26.	64°	82.	68°	145.	66°
28.	76°	87.	80°	145A.	62°
29.	80°	89.	66°	150.	68°
				150A.	66°

C. Between 331° and 360° (N — NW)

Burial Number	Degrees
110.	335°

D. Between 300° and 330° (NW)

Burial Number	Degrees
47.	320°
48.	326°
49.	322°
117A.	310°
123.	330°

SUMMARY

SAMPLE SIZE : 153 Burials

Orientation	Total Number	Percentage
Northeast	122	79.73%
East-Northeast	25	16.33%
North-Northwest	1	0.65%
Northwest	5	3.26%

4. The Capstones (Table 2 & PLS. III-VI)

Above the vertical part of a burial chamber, one or two courses of stones were built projecting inside like corbelling in order to reduce the width of the grave and then the whole grave was covered with large slabs of stone. The presence of projecting parts indicates that all the graves were originally covered with capstones. However, out of 178 completely and partially excavated graves, only eighty were found to have capstones.

Table 2 lists the average size of capstones of 59 graves on which either two, three or four capstones were present. Twenty-one burials on which only one capstone had survived are excluded from the list but their details will be found in Appendix C. Most graves have been plundered in antiquity which accounts for the absence or fewer number of capstones (PL. VA & VI). Among the tumuli only two Burials (143 and 151A) were found to have a single capstone on each, indicating that the tumuli were plundered more systematically than the graves of the Burial Complex.

It was observed that in addition to the large slabs of stone which were put on the top of the grave, small stones were used to fill up the spaces in between the capstones (PLs. IIIA, IV A & B, VB & VIA). Small stones were used also on the sides to prevent the filling of earth from falling inside the burial chamber.

The average length of capstones used on the surviving examples is generally less than 100 cm. Among a total of eighty graves with single or multiple capstones, there are only nine graves (11.25%) on which the length of capstone averages between 100 cm and 127 cm. There are 49 burials (61.25%) having capstones with an average length of more than 70 cm. Only one grave (Burial 31) has capstones measuring below 69 cm in average length. The average width of capstones ranges between 40 and 70 cm although there are three examples with 75-78 cm in width (Burials 18, 24 & 44). The smallest width of 36 cm average is shown by only one example (Burial 36). The longest capstone is on Burial 18 which actually measures 148 cm. Similarly, Burial 32 has three capstones each measuring more than 100 cm long. As regards thickness, thirty-four burials (42.50%) have an average thickness between 10 cm and 20 cm. None of the capstones has an average thickness above 30 cm or below 10 cm. In actual measurements, however, Burials 127 and 57 have 7 and 35 cm thick capstones respectively.

Only six Burials were covered with four capstones on each (15, 34, 35, 38, 58 and 61) and thirty-five Burials contained three capstones (5, 8, 14, 16, 16A, 17, 22-29, 32, 33, 36, 37, 39, 44, 51, 57, 59, 62-64, 66-69, 100-102, 105, 124, 125). The remaining Burials as given in Table 2 had two capstones on each.

TABLE — 2
The Size of Capstones
 The burials with single capstone are omitted

Burial Number	Average size B. x W. x thick	Burial Number	Average size L. x W. thick
3.	101 x 70 x 25	38.	99 x 36 x 22
4.	93 x 58 x 16	39.	90 x 60 x 15
5.	81 x 48 x 23	40.	70 x 49 x 16
7.	88 x 48 x 18		
8.	96 x 45 x 23	42.	77 x 54 x 21
11.	82 x 42 x 22	44.	92 x 75 x 18
14.	100 x 60 x 23	51.	81 x 55 x 14
15.	74 x 38 x 17	57.	93 x 46 x 20
16.	74 x 56 x 16	58.	88 x 45 x 17
16A.	72 x 58 x 17	59.	84 x 54 x 22
17.	76 x 46 x 13	61.	79 x 49 x 27
18.	127 x 78 x 18	62.	97 x 54 x 23
19.	120 x 61 x 16	63.	84 x 42 x 19
21.	69 x 48 x 18	63A.	81 x 51 x 30
22.	114 x 70 x 20	64.	86 x 50 x 15
23.	105 x 51 x 26	66.	84 x 55 x 15
24.	92 x 76 x 20	68.	98 x 58 x 16
25.	82 x 56 x 15	69.	87 x 49 x 19
26.	99 x 55 x 15	100.	83 x 57 x 18
27.	97 x 49 x 15	101.	94 x 47 x 23
28.	103 x 52 x 20	102.	75 x 55 x 21
29.	83 x 67 x 22	105.	96 x 60 x 21
31.	61 x 38 x 10	106.	102 x 53 x 11
32.	108 x 60 x 21	108.	80 x 50 x 15
33.	97 x 58 x 15	109.	97 x 70 x 22
34.	108 x 54 x 18	110.	72 x 46 x 18
35.	71 x 52 x 15		
36.	86 x 59 x 22	122.	76 x 46 x 20
36A.	74 x 53 x 16	124.	81 x 44 x 16
37.	107 x 59 x 20	125.	88 x 54 x 10
		128.	83 x 56 x 12

5. Shape and Size of Graves (Table 3 & 4 & Pls. VII-XIII)

All the graves are basically rectangular in plan in both the Burial Complex and the tumuli with a single exception of Burial 147 which is T-shaped. It is built between the last limit of the Burial Complex and ringwall of tumulus with Burial 146. It is very striking to note that the basic plan of the burial chamber did not change throughout the period represented by the Burial Complex, irrespective of presence, absence or particular direction of alcoves in the graves. There are no circular, oblong or oval-shaped graves although at contemporary sites of Buri and Al-Hajjar variations in the shape of burial chambers do occur. At Sar, the builders tried to adhere to a rectangular shape, nevertheless, at the northeastern end of

graves which re-utilize the existing face of ringwalls, the shape is often angular. It would appear that variations from the basic rectangular shape were due to partial re-use of existing ringwalls (i) for the burial chambers at its northeastern end; (ii) at the back of alcoves if provided; and (iii) by the orientation of graves. Sharp angles on the eastern side of the burial chambers are indicated in Burials 17, 19, 23, 24, 26, 29, 33, 34, 36A, 45, 95, and 100. As the graves were invariably built against the exposed face of ringwalls, as if to link subsequent graves with the previous ones (pl. XIII), even the junction of two ringwalls has been utilised for want of another place (Burials 25, 27, 53, 96, 109, 129, and 134). Two examples (Burials 38 & 54) make use of the existing ringwall at the corner only instead of for the entire width at northeastern end.

The L-shaped graves of both the Burial Complex and tumuli are also rectangular in plan. In the Burial Complex, in addition to the use of existing ringwalls on the northeastern side, the long sides of the graves in some cases, re-used ringwalls on northern or southern sides. Such examples are Burials 79, 110, 111A, 111B, 115, 124, and 137A. Existing ringwalls have also been utilized on three sides; on the northeast and the two long sides (Burials 16A, 106, 114 and 123). As many as four ringwalls have also been re-used (Burials 69A and 125A).

All the tumuli were built on new ground and there were no existing structures to be re-utilized except Burials 152-152C, consisting of four graves, which were built against the eastern face of the ringwall of a tumulus enclosing four graves (Burials 151-151C). Similarly, Burials 149 does re-use the northwestern face of the ringwall of Burial 149A but it does not fall under the category of tumuli because of the absence of a circular wall.

The burial chambers are mostly between 150-180 cm in length in the Burial Complex (Table 3). Out of 131 Burials, there are only three which are between 181 cm and 190 cm long (Burials 3, 25 and 77); five between 191 cm and 200 cm in length (Burials 75, 98, 109, 130 and 134); and four having a length of more than 200 cm (Burials 35, 36A, 49 and 147). Excepting the above noted examples, most of the burial chambers fall within 150-180 cm and 100-150 cm length. The burials with 150-180 cm length are concentrated mostly in the northeastern and middle part of the Burial Complex but towards the southwest or at the limits, the size of graves is mostly between 100 cm and 150 cm long. The burials falling within the 100cm and 150 cm length range are 74, 76, 79, 81, 82, 87, 92, 93, 95, 99 and 108. In the same group fall Burials 110, 118, 123, 124, and 126 which are built around the tumulus of Burials 116 and 116A, and also those located along the secondary or last limit of the Burial Complex (Burials 83, 84, 88, 111, 111A, 111B, 112, 114, 115, and 136, 137, 137A and 141). The Burials located outside the limits of the Burials Complex and also not falling within the tumuli group (Burials 148, 149, and 149A), are also small in size with a length between 100 and 150 cm. There is one Burial (142) which is below 100 cm in length.

From the above evidence it may be inferred that in the main Burial Complex area, the length of burials was generally kept between 150 cm and 180 cm, but along the periphery, it was between 100 cm and 150 cm. However, there are few burials falling between 180 cm and 200 cm in length and only one example less than 100 cm. long.

The tumuli in Area D are not too many from which to derive general conclusions. The burial chambers of tumuli vary a great deal, ranging from below 150 cm to over 300 cm in length. Burial 150 is more than 300 cm long while three Burials, 150A, 150B and 150C are over 200 cm long. Burial 143 is between 190 cm and 200 cm long and Burials 117 and 145 are below 150 cm in length. The remaining numbers are between 150 cm and 180 cm in length.

In both the Burial Complex and tumuli, the length of chamber was reduced by erecting a partition wall on the western side, as already pointed out above (Pls. VIII A, IX A & X A & 3. Also see under Appendix C for relevant details). The best examples of partition walls in the grave chambers of tumuli are Burials 145, 145 A and 146 (Pls. XXXIII B & XXXIV). In the tumuli there is also evidence of extension or addition (Fig. 17) to the grave chamber (Burials 150, 151 B and 151 C).

The width of graves in the Burial Complex and tumuli as listed under Table 3 shows a general range between 70 cm and 100 cm, although some graves measure less than 70 cm wide.

The graves of the Burial Complex which have survived to their original height below the capstones show consistent use of projecting stones above the vertical part of the chamber. One to three courses of stones were placed projecting inside the burial chamber, thereby reducing its width to half or more from the base (Pls. XI & XII). Generally, the difference between the width at the base and above is between 30 cm and 50 cm. However, there are six examples which show a difference of more than 50 cm (Burials 15, 16, 27, 31, 58, and 125). Also, Burial 31 shows a difference of 73 cm. This grave measures 99 cm at the base but is reduced to 26 cm with courses of projecting stones.

The reduction in width of the grave might have been necessitated for structural reasons. Without reduction, it would have required larger and longer stone slabs to cover the graves. Large slabs of stone were difficult to obtain in this area because of the fractured surface of the available rock and their use would have endangered the grave structure. Details of projections on each side of the long walls of burial chambers and their heights are given in Table 4.

Comparison among the lengths and overall heights (Table 3) would indicate that generally the graves with a height of over 110 cm are not the longest. For example, Burials 16 A, 45, and 126 are 119 cm high above the bedrock but their burial chambers are 177 cm, 159 cm and 147 cm long respectively, and Burial 18 which is the highest (121 cm) measures only 158 cm long. The graves of less height (below 110 cm) usually have long burial chambers. For example, Burials 32, 69, and 109 with overall heights of 82, 85 and 86 cm, measure 180, 174 and 195 cm long respectively. Burial 49 surviving up to the projecting stones measures 215 cm long but has an overall height of only 87 cm. This pattern, though discernible in the main area of the Burial Complex, is not consistent along the peripheral area of the site and at other places where the capstones and even projecting stones are missing or disturbed. It is, however, apparent that the highest burial chambers are not necessarily the largest in size and vice versa because variations do exist. It may be pointed out that length of graves on the northern and southern sides is not uniform because of invariable re-use of ringwalls.

It is not possible to determine any relationship between the height of vertical and superimposed projecting parts of the graves. The vertical part on both sides (north and south) varies in height as does overall thickness of projecting courses, depending upon the size of stones used to make a level surface before placing capstones (Table 4). Thus, overall heights of burial chambers are not necessarily a combination of those of grave walls (Table 3) and projecting parts (Table 4). Overall heights were recorded from the highest available point irrespective of the undulating surface of the bedrock and varying thicknesses of the projecting part on both sides of a grave. Each part of the grave has been treated separately for the purpose of structural study and analysis. The heights of projection above the vertical face of the wall (Table 4) and of the grave wall (Table 3) are the maximum taken at more

than one place but overall height of the burial chamber was taken from one fixed point from where the depth of antiquities was recorded.

The height of projection above the vertical part of the grave varies between 11 and 45 cm and its projection inside the grave from the base is from 5 to 44 cm. It is obvious that the height and width of projection varies greatly to such an extent that no general statement can be made on different parts of the chamber walls.

A great variation is noticeable in the size of stones used in the chambers. The lower part was generally built of stones of large size⁹ (P1. VIII A). In the Burial Complex the stones were neither chiselled nor had dressed faces to the extent to indicate marked regularity in masonry. However, certain regularity is noticeable at least in the lower part of walls where large sized but undressed stones are used. The upper part of grave walls is generally irregular because of the different sizes of stone used. The walls have empty spaces left in between because of irregularly shaped stones. The interspaces were consequently filled up with very small or small stones. The western wall which is actually a partition wall built between two long walls is very irregular. It was noticed that the wall containing an alcove was generally built in somewhat regular fashion. Thus, the graves with alcoves show a combination of regular and irregular wall face.

The average size of stones is given in Table 4 along with the average size of the corbelled part above the vertical face of the walls.

Generally, three or more stones were measured as visible in the wall and their actual sizes are given in Appendix C. In average size, the stones used in the upper and lower parts of the grave walls measure between 30 and 51 cm in both the Burial Complex and tumuli. In the central part of the Burial Complex, however, the largest stones used average between 51 and 53 cm. (Burials 5, 8, 16, 32 and 57).

In the central part of the Burial Complex and along the southwestern limits, there is an obvious relationship between the overall size of the grave and the average size of stones used. Most graves located in the peripheral area are small in size and the stones used are also small and medium.

Turning to the evidence of the tumuli, the largest ones contain graves with a maximum height of 102 to 130 cm (Burials 143, 150, and 151 A). A degree of relationship between the size of grave and its height including the size of stones is apparent — a feature quite different from that observed in the greater part of the Burial Complex. The stones used in the large tumuli are generally regular and show dressed faces as if prepared before the construction of walls. Average size of stones used in the tumuli, especially the large one, ranges between 53 cm and 79 cm or very large, if we take into consideration the actual size of stones (Appendix C). For example, Burials 16A, 150 and 143 contain stones averaging up to 79, 52 and 53 cm in length respectively. Overall heights of the tumuli must have been greater than what has survived because in most cases, the uppermost courses of projecting stones were completely missing along the capstones. It was also observed that although the walls show irregular masonry in some cases, the larger tumuli with dressed courses of stone also contained lime plaster on the face of the walls (Burials 150 and 150A).

Amidst visible uniformity in layout and structural details, a close examination of the Burial Complex has provided important evidence on structural changes through time and its relationship with the tumuli. The location and distribution of graves with alcove built almost in the middle of the long walls (Fig 9) clearly indicates that during the early period of the

Burial Complex, the graves were essentially built in such a shape. This tradition continued until the northwestern limits of Area D were reached, overlapping with L-shaped graves and even those without alcove (Fig. 10). Although a single L-shaped grave (Burial 16) did appear amidst predominantly different forms of grave, this shape became common in later times when the Burial Complex had reached its southwestern limits and graves were being sandwiched into narrow spaces left near the tumuli.

It is significant that the graves of tumuli are both L-shaped and without alcove, corresponding to the form of graves located along or near the last limits of the Burial Complex. Because of identical shapes, the tumuli and later graves of the Burial Complex would appear to be contemporary with each other. Their mutual contemporaneity is further supported by identical ceramics and other materials found in them, with the exception of a large tumulus of the Kassite period containing Burials 150, 150A and 150B. (Table 6 and Fig 30). It is, therefore, logical to conclude that the tumuli appeared at the periphery of the Burial Complex when the latter was still in use in its last stages and thus, there was no time lag between the end of the two types of burials, although the Burial complex appeared on the scene earlier than the tumuli located nearby. Stratigraphically, both the tumuli and the graves of the Burial Complex were found to be uniformly sealed by one deposit as demonstrated by cross sections (Figs. 7 & 8).

Burial 147 represents a unique T-shaped grave at this site. It is built between the limit of the Burial Complex and a tumulus and is enclosed by straight walls on the northern and southern sides, each connecting the Burial Complex with the ringwall of Burial 146 (Fig. 10 & Pl. XXXA). The main burial chamber of this T-shaped grave is located in N-S directions because pottery and other materials were found at its northern end.

TABLE — 3
The Size of Graves in the Burial Complex and Tumuli
 All measurements are maximum in cms.
 (T) = Tumulus

Burial Number	Long x Wide	Width on top	Height of grave wall	Overall height
3.	183 x 96	56	66	94
5.	157 x 70	43	95	100
7.	171 x 91	51	84	92
8.	165 x 88	46	91	111
10.	155 x 81	33	70	117
14.	157 x 81	32	70	96
15.	169 x 91	40	67	95
16.	161 x 90	38	83	86
16A.	177 x 87	37	107	119
17.	180 x 76	44	68	91
18.	158 x 90	46	83	121
19.	154 x 87	47	67	86
22.	158 x 75	54	84	95
23.	160 x 77	59	77	96
24.	170 x 80	54	81	104
25.	190 x 83	42	80	98
26.	170 x 74	38	76	85
27.	184 x 86	35	88	100
28.	147 x 77	56	74	112
29.	171 x 81	51	71	108
31.	159 x 99	26	94	110
32.	180 x 94	70	72	82
33.	166 x 80	51	75	100
34.	179 x 92	55	92	95
35.	207 x 97	46	74	100
36.	151 x 81	45	79	97
36A.	212 x 91	50	72	94
37.	170 x 79	34	78	100
38.	168 x 87	46	89	113
39.	150 x 90	59	80	100
42.	167 x 80	47	74	93
43.	158 x 78	41	71	90
44.	174 x 83	70	54	89
45.	159 x 99	52	83	119
47.	166 x 95	60	56	82
48.	133 x 81	54	70	103
49.	215 x 93	—	70	87
50.	155 x 83	60	78	97
51.	178 x 92	46	72	93
52.	160 x 76	42	73	107
53.	159 x 85	43	86	100
54.	161 x 83	46	75	97
55.	178 x 83	33	70	109
56.	166 x 90	56	77	111
57.	154 x 88	48	90	104

Burial Number	Long x Wide	Width on top	Height of grave wall	Overall height
58.	169 x 91	32	81	108
59.	160 x 83	56	81	120
61.	166 x 81	38	70	96
62.	146 x 93	50	79	102
63.	152 x 82	48	83	95
63A.	180 x 90	43	76	106
64.	161 x 76	33	80	103
65.	170 x 77	54	83	102
66.	143 x 86	33	79	116
67.	156 x 77	35	77	92
68.	164 x 83	76	90	104
69.	174 x 72	43	72	85
69A.	155 x 79	58	83	112
70.	165 x 86	—	84	99
71.	137 x 84	55	80	92
72.	150 x 77	44	78	102
73.	150 x 90	60	75	118
74.	122 x 58	40	74	93
75.	195 x 89	66	86	91
76.	143 x 83	—	83	92
77.	183 x 81	—	89	103
78.	152 x 75	—	80	87
79.	136 x 88	67	80	104
81.	134 x 73	—	75	91
82.	135 x 72	—	80	100
83.	148 x 75	—	60	75
84.	130 x 80	—	74	77
85.	114 x 70	—	60	60
87.	107 x 90	—	80	80
88.	126 x 86	—	63	66
91.	153 x 81	59	70	96
92.	124 x 74	40	70	81
93.	143 x 84	46	61	85
94.	157 x 74	60	60	86
95.	125 x 80	35	85	97
96.	180 x 79	47	62	94
97.	160 x 77	40	72	92
98.	193 x 80	40	81	100
99.	144 x 90	40	84	98
100.	178 x 83	47	74	89
101.	164 x 77	43	73	95
102.	172 x 85	55	70	98
105.	161 x 82	50	72	90
106.	160 x 100	60	82	105
107.	166 x 87	48	81	111
108.	149 x 88	52	78	102
109.	195 x 91	—	71	86
110.	140 x 70	55	64	89
111.	110 x 56	—	65	70
111A.	137 x 69	—	85	80
111B.	135 x 62	—	42	82

Burial Number	Long x Wide	Width on top	Height of grave wall	Overall height
112.	128 x 86	—	71	71
113.	150 x 86	—	62	78
114.	120 x 63	—	70	70
115.	110 x 65	—	73	76
115A.	151 x 74	—	73	71
(T)116.	170 x 93	74	45	105
(T)116A.	187 x 100	—	84	103
(T)117.	117 x 73	67	57	70
117A.	180 x 79	52	68	87
118.	141 x 84	68	78	88
119.	164 x 82	—	82	82
120.	150 x 80	—	80	80
121.	158 x 84	81	70	81
122.	174 x 74	34	81	105
123.	124 x 74	—	88	85
124.	146 x 86	41	66	90
125.	167 x 89	31	82	98
125A.	169 x 90	50	60	75
126.	147 x 82	36	87	119
127.	155 x 86	40	80	97
128.	135 x 82	47	73	96
128A.	137 x 87	45	79	95
129.	146 x 77	41	79	100
130.	197 x 83	57	78	93
131.	143 x 75	54	83	102
133.	130 x 73	39	82	100
134.	193 x 82	—	77	84
135.	158 x 87	—	71	78
136.	149 x 79	50	66	88
137.	141 x 78	48	69	91
137A.	147 x 76	—	82	91
138.	163 x 71	—	78	86
139.	151 x 74	56	68	84
141.	145 x 81	—	62	65
142.	93 x 64	—	60	60
(T)143.	193 x 85	—	96	102
(T)144.	160 x 80	—	73	75
(T)145.	122 x 79	—	89	83
(T)146.	175 x 79	—	81	83
147.	224 x 73	—	76	90
148.	130 x 75	—	45	46
149.	112 x 81	—	42	45
149A.	108 x 70	—	43	60
(T)150.	385 x 85	—	100	115
(T)150A.	292 x 99	—	122	130
(T)150B.	230 x 82	—	73	72
(T)151C.	240 x 73	—	72	74
(T)152.	162 x 66	—	42	68
(T)152A.	163 x 68	—	56	51
(T)152B.	178 x 70	—	53	62
(T)152C.	173 x 58	—	63	63

TABLE — 4
The Burial Chambers : Construction Details

Note: 'Width' of Projecting stones is parallel to the grave length.

All measurements are in cms.

N/S = North/South

(T) = Tumulus

Average size of stones

Burial Number	Vertical part (L.x W.)	Projecting part (W.x L.x thick)	Max. Ht. of Projection	Projection from base (N/S)
3.	44 x 31	37 x 60 x 22	43	20/31
5.	56 x 29	—	0/12	0/15
7.	38 x 20	28 x 54 x 12	18	29/18
8.	56 x 26	49 x 58 x 23	23/21	20/21
10.	43 x 22	48 x 49 x 15	45	40/12
14.	39 x 23	49 x 54 x 81	33/29	19/32
15.	45 x 18	38 x 38 x 11	25	22/30
16.	63 x 18	38 x 38 x 11	33/20	21/15
16A.	47 x 19	29 x 54 x 13	40/12	41/7
17.	34 x 17	40 x 60 x 20	28	19/15
18.	30 x 14	39 x 38 x 10	28/36	28/18
19.	30 x 14	32 x 53 x 10	16/21	19/20
22.	36 x 18	34 x 47 x 13	19/26	11
23.	37 x 21	28 x 47 x 11	—	—
24.	42 x 22	44 x 75 x 17	33/21	21/10
25.	39 x 20	42 x 61 x 18	20/15	25/22
26.	26 x 15	27 x 45 x 7	14/15	27/13
27.	45 x 20	48 x 49 x 12	0/20	36/21
28.	35 x 21	59 x 30 x 17	28/35	7/12
29.	35 x 17	36 x 47 x 12	29/21	18/21
31.	39 x 10	32 x 54 x 9	31	32/26
32.	51 x 20	39 x 65 x 15	29	0/24
33.	45 x 20	27 x 43 x 10	21/24	19/10
34.	30 x 24	46 x 78 x 22	28	28/15
35.	28 x 15	54 x 67 x 16	33	28/15
36.	36 x 16	45 x 67 x 12	23/28	20/21
36A.	46 x 21	44 x 60 x 10	30/21	19/21
37.	39 x 24	32 x 56 x 18	33/23	20/27
38.	45 x 17	36 x 68 x 15	29/21	32/25
39.	46 x 24	44 x 52 x 17	20/24	24/13
42.	36 x 21	30 x 27 x 15	21/25	7/24
43.	41 x 21	32 x 59 x 17	20/23	22
44.	42 x 24	41 x 48 x 18	30/37	13/15
45.	37 x 21	41 x 62 x 13	40	26/28
47.	30 x 14	29 x 40 x 17	22(w)	W23/8E
48.	20 x 11	53 x 39 x 20	23W/29E	13E/10W
49.	36 x 15	38 x 48 x 20	—	16W
50.	37 x 19	36 x 56 x 13	18/34	13/30
51.	22 x 12	31 x 51 x 7	19/29	29/16
52.	47 x 27	39 x 55 x 14	25/30	24/21
53.	36 x 13	28 x 63 x 15	19/16	33/16

Burial Number	Vertical part (L. x W.)	Projecting part (W.x L.x thick)	Max. Ht.of Projection	Projection from base
				(N/S)
54.	46 x 26	37 x 49 x 21	41/23	18/28
55.	36 x 19	32 x 45 x 14	29	26
56.	42 x 32	28 x 31 x 17	33	17/22
57.	51 x 26	40 x 72 x 12	25/38	23/10
58.	32 x 18	39 x 77 x 19	36/21	28/33
59.	35 x 22	27 x 48 x 15	40/30	22/7
61.	38 x 15	30 x 49 x 10	26/32	24/21
62.	36 x 25	41 x 58 x 15	30/23	19/24
63.	40 x 22	37 x 44 x 23	28/23	23/13
63A.	39 x 23	42 x 43 x 13	31/34	14/27
64.	40 x 23	29 x 51 x 12	26/32	7/30
65.	28 x 13	52 x 54 x 10	25	18/13
66.	29 x 8	36 x 59 x 12	31/29	27/34
67.	33 x 15	28 x 50 x 13	16/12	25/20
68.	34 x 21	33 x 49 x 13	23/25	7/5
69.	25 x 12	27 x 49 x 13	14/24	15
69A.	26 x 13	42 x 49 x 18	23	11/8
70.	35 x 19	—	—	—
71.	37 x 23	41 x 60 x 13	12/19	0/18
73.	30 x 13	46 x 45 x 15	33	20/16
74.	34 x 21	42 x 63 x 18	—	20/9
75.	35 x 18	34 x 51 x 12	17	12/25
76.	23 x 12	—	—	—
77.	38 x 15	—	—	—
78.	24 x 18	—	—	—
79.	37 x 22	39 x 65 x 26	39	0/30
81.	31 x 17	—	—	0/20
82.	26 x 18	—	—	—
83.	22 x 15	—	—	—
84.	27 x 14	—	—	—
85.	25 x 15	—	—	—
87.	38 x 22	—	—	—
88.	19 x 13	—	—	—
91.	29 x 18	35 x 46 x 16	—	6/11
92.	40 x 30	28 x 39 x 11	30	18/8
93.	39 x 23	35 x 42 x 15	25/33	11/32
94.	35 x 18	49 x 44 x 17	20/25	12
95.	31 x 21	36 x 50 x 20	31/40	25/18
96.	35 x 19	29 x 42 x 17	37/33	11/19
97.	47 x 21	35 x 44 x 14	23/33	20/11
98.	41 x 20	27 x 37 x 14	35	10
99.	34 x 16	38 x 51 x 15	40	44/18
100.	35 x 31	29 x 60 x 15	36/19	26/15
101.	35 x 18	19 x 47 x 14	25	22/15
102.	38 x 21	32 x 50 x 20	33	13/9
105.	45 x 18	29 x 58 x 15	18	18/16
106.	—	31 x 58 x 13	21/18	22/8
107.	47 x 23	36 x 53 x 12	23/32	20/19
108.	31 x 18	29 x 48 x 15	29/27	16/15
109.	26 x 13	—	0/11	0/9
110.	37 x 19	30 x 46 x 9	E20/16w	E6/8W

Burial Number	Vertical part (L.x W.)	Projecting part (W.x L.x thick)	Max. Ht. of Projection	Projection from base (N/S)
111.	32 x 15	—	—	—
111A.	24 x 12	—	—	—
111B.	32 x 19	—	—	—
112.	27 x 15	—	—	—
113.	42 x 19	—	18	10
114.	41 x 23	—	—	—
115.	28 x 21	47 x 28 x 23	16	8
115A.	26 x 14	—	—	—
(T)116.	37 x 15	28 x 53 x 9	16	21/9
(T)116A.	79 x 31	—	—	—
(T)117.	33 x 15	41 x 40 x 11	—	—
117A.	25 x 9	—	14E	21E
118.	28 x 13	37 x 55 x 14	25	28/12
119.	36 x 24	—	—	—
120.	23 x 16	—	—	—
121.	32 x 18	39 x 49 x 8	—	—
122.	16 x 10	35 x 45 x 15	37/28	7/36
123.	24 x 13	—	—	—
124.	24 x 11	36 x 53 x 18	25-36	15/28
125.	31 x 13	37 x 52 x 14	—	—
126.	41 x 24	32 x 52 x 18	30	21
127.	41 x 22	25 x 44 x 10	22	19/28
128.	40 x 21	35 x 45 x 9	29/25	23/13
128A.	35 x 23	34 x 62 x 18	20/24	25/18
129.	32 x 19	31 x 56 x 16	25/18	26/8
130.	24 x 22	34 x 53 x 14	20	26/13
131.	41 x 29	32 x 50 x 12	24/17	14/8
133.	23 x 10	27 x 44 x 14	23/11	26/12
134.	24 x 14	—	17	12
135.	22 x 12	—	—	—
136.	32 x 18	35 x 52 x 14	28/22	20/18
137.	29 x 14	31 x 53 x 15	24/20	19/6
137A.	25 x 17	—	—	—
138.	42 x 26	—	—	—
139.	32 x 23	25 x 38 x 7	34/15	14/6
141.	24 x 12	—	—	—
142.	39 x 21	—	—	—
(T)143.	53 x 30	—	—	—
(T)144.	41 x 19	—	—	—
(T)145.	43 x 23	—	—	—
(T)146.	31 x 12	—	—	—
147.	29 x 13	—	—	—
148.	30 x 11	—	—	—
149.	40 x 14	—	—	—
149A.	37 x 17	—	—	—
(T)150.	52 x 23	—	—	—
(T)150A.	57 x 36	—	—	—
(T)150B.	32 x 14	—	—	—
(T)151.	22 x 10	35 x 21 x 14	—	0/5
(T)151A.	31 x 17	28 x 23 x 10	—	—
(T)151B.	34 x 15	—	—	—

Burial Number	Vertical part (L. x W.)	Projecting part (W.x L.x thick)	Max. Ht.of Projection	Projection from base
(T)151C.	31 x 14	—	—	—
(T)152.	26 x 16	—	—	—
(T)152A.	26 x 13	—	—	—
(T)152B.	26 x 12	—	—	—
(T)152C.	23 x 12	—	—	—

(N/S)

6. Alcoves (Table 5 & Pls. XXII-XXV)

Most graves were provided with an alcove built into one of the long walls which can be broadly grouped into two categories : group A; graves having an alcove either on the northern or southern side; Group B; L-shaped graves having an alcove at the northeastern or southeastern end.

It is not known why alcoves of Group A were orientated towards north or south. If orientation of the alcove towards a particular direction is related to the sex of the deceased, it can only be determined after study of skeletal remains is completed. The graves with an alcove towards north or south are almost evenly distributed in the excavated part of the Burial Complex. Forty-four graves have alcoves towards north and forty-one towards south (Fig 9). At first glance, the builders appear to have placed alcoves towards the nearest ringwall available at the time of construction. But this is not a consistent pattern as would be evident from Burials 19, 83, and 133. The alcoves of these Burials are, in fact, orientated towards the nearest ringwall but do not reach up to its face. Moreover, there are thirty-nine examples of alcoves which are built independently because no face ringwall was located near them to be re-used. The builders have tried to re-use the regular face of existing structures in constructing if not orientating the alcoves to a particular direction but since variations exist as pointed out above, no consistent pattern can be discerned from the present evidence.

There is a unique example of an alcove built through the ringwall (Burial 137A). The construction of an alcove particularly orientated towards south by cutting through the ringwall may have some meaning as yet unknown; otherwise it could have been placed on the northern side where sufficient space was available.

As noted above, the wall with alcove is generally more regular than the other walls of the burial chamber. The alcove was covered with either a large slab of stone or, in some cases, was corbelled. The length of capstone depended on the width of the alcove, though not necessarily on its length because in a few cases, the back of the alcove was found to be corbelled while the front was covered with capstones (Table 5). The size of capstones of the alcove varies, ranging between 36 and 110 cm in length. With capstones the height of the alcove conforms to the height of the burial chamber and as such, projecting courses of stone were usually placed over them. The L-shaped graves of Group B did not reveal capstones on their alcoves at all; some show evidence of corbelling while others are too badly broken to indicate anything.

All the alcoves are not built exactly in the middle of the long walls (Figs. 5 (9) but roughly in the centre, towards or near the end of the long wall. The size of alcove shows great

variation in length and height but not in width (Table 5). The width of the alcove is consistently between 30, 50 cms. In the Burial Complex, only ten alcoves have a width of up to 55 cm. In the tumuli, four alcoves are up to 57 cm wide and the remaining alcoves of the L-shaped graves are consistently between 30 and 50 cm in width.

The length of alcove from the opening to the back wall varies considerably. The wall or face of the alcoves also shows some variations. In addition to the straight wall that makes the alcoves rectangular or square in shape, there are examples which have curved back (Burials 57, 69, 74, 131, and 138); V-shaped or triangular (Burials 42 and 93); and angular (Burials 18 and 77). At least twelve alcoves were corbelled completely along their length (Burials 16, 39, 48, 52, 58, 65, 66, 70, 83, 84, 95 & 105). The back of two alcoves was corbelled (Burials 56 and 71) while the front part was covered with a capstone.

The height of alcoves ranges from 50 to 80 cm generally but a few measure between 80 and 90 cm (Burials 31, 65 and Tumulus 143). The alcoves of three Burials (8, 18 and 66) are above 90 cm in height as is that of one tumulus (Burial 150A). Only six alcoves (or Burials 47, 54, 76, 85, 129 and 135) are below 50 cm in height. Thus, analysis of the available evidence from the Burial Complex and tumuli shows that in width and height of alcoves, a regular pattern was observed, maintained by the builders but the length has great variations.

One striking feature of the tumuli is that as already pointed out, none of the graves has an alcove built in the middle of the long wall. The alcoves are built either at the northeastern or southeastern corner of the burial chamber or not at all. In the L-shaped graves, alcoves were never provided at the northwestern or southwestern corner. It may not be possible to understand the meaning or reason of the absence of alcoves in the middle of long walls in the tumuli and adherence to specific direction of alcoves in L-shaped graves. It may be stressed that a marked change had occurred towards the end of the Burial Complex at which time, the tumuli had emerged at this site. The L-shaped graves do occur in the Burial Complex, as do graves without an alcove. There are eighteen L-shaped graves in the Burial Complex (Burials 16, 51, 65, 66, 75, 84, 85, 88, 94, 113, 119, 120, 121, 125, 127, 128, 128A and 135) and eight in the tumuli (Burials 116, 116A, 117, 143, 144, 146, 150 and 150A). The graves without an alcove occur in the tumuli just as they are generally present along the limits of the Burial Complex. In the Burial Complex there are seventeen graves without an alcove excluding three located outside its limits. In the tumuli, there are eleven graves without an alcove.

It is evident that graves without an alcove and those L-shaped graves having an alcove at the NE or SE corner occur in both the tumuli and the Burial Complex. The graves with an alcove almost in the middle of the long wall occur in the Burial Complex only. It seems that at a later stage, a change has occurred in the location of alcoves in the graves but it should not mark an arrival of new people on the site or a radical change in the burial rites because an identical form of alcoves and graves occurs in the Burial Complex and tumuli with the exception pointed out above.

Table — 5
Architectural Details of Alcoves

* = Alcove extending up to and re-utilizing external face of pre-existing ringwall of adjacent burial.

+ = Alcove built independently and not re-using any existing wall.

Burial Number	W. x L. x Ht.	Location	Size of capstone L. x W. x thick	Remarks
3.	48 x 47 x 61	North ⁺	84 x 68 x 30	
5.	42 x 47 x 63	South*	59 x 55 x 14	
7.	47 x 67 x 55	North*	82 x 65 x 27	
8.	43 x 66 x 93	North*	90 x 66 x 22	
10.	35 x 60 x 57	North*	71 x 54 x 23	
14.	42 x 48 x 46	South*	81 x 51 x 26	
15.	44 x 53 x 54	South*	82 x 51 x 14	
16.	35 x 40 x 60	South*	—	Corbelled
16A.	No alcove			
17.	40 x 48 x 60	South*	65 x 51 x 13	
18.	52 x 73 x 96	North*	74 x 61 x 81	Angular
19.	45 x 30 x 73	South ⁺	97 x 68 x 19	
22.	30 x 60 x 70	North*	68 x 47 x 28	
23.	43 x 52 x 71	South ⁺	74 x 55 x 22	
24.	45 x 48 x 76	North*	90 x 66 x 17	
25.	40 x 52 x 61	South ⁺	84 x 53 x 35	
26.	32 x 48 x 67	North*	70 x 60 x 14	
27.	55 x 65 x 70	North*	78 x 64 x 18	
28.	40 x 56 x 73	North*	81 x 46 x 25	
29.	52 x 48 x 74	North*	80 x 45 x 18	
31.	43 x 77 x 88	North*	78 x 36 x 14	
32.	47 x 54 x 69	North ⁺	82 x 55 x 24	
33.	43 x 53 x 67	North ⁺	77 x 53 x 67	
34.	42 x 51 x 70	South*	Fallen	
35.	49 x 57 x 76	South*	72 x 63 x 18	
36.	45 x 40 x 64	North ⁺	85 x 59 x 24	
36A.	32 x 57 x 68	South*	83 x 78 x 18	
37.	42 x 48 x 59	South*	71 x 56 x 29	
38.	42 x 56 x 74	North ⁺	92 x 55 x 20	
39.	47 x 37 x 61	North ⁺	—	Corbelled
42.	40 x 48 x 63	South ⁺	69 x 76 x 19	Triangular
43.	51 x 37 x 56	South ⁺	72 x 30 x 27	
44.	34 x 38 x 64	South ⁺	88 x 73 x 16	
45.	36 x 49 x 77	South ⁺	80 x 60 x 24	
	No alcove			
47.	42 x 43 x 42	West ⁺	48 x 26 x 29	
48.	42 x 31 x 64	West ⁺	—	Corbelled
49.	34 x 36 x 60	West ⁺	49 x 51 x 33	
50.	38 x 58 x 63	South*	73 x 50 x 17	
51.	44 x 46 x 55	North ⁺	46 x 50 x 13	
52.	33 x 43 x 66	North ⁺	74 x 40 x 22	Corbelled
53.	40 x 53 x 72	South*	75 x 51 x 34	

Burial Number	W. x L. x Ht.	Location	Size of capstone L. x W. x thick	Remarks
54.	38 x 42 x 45	North +	51 x 47 x 37	
55.	45 x 48 x 72	South*	66 x 40 x 29	
56.	42 x 71 x 64	South*	—	Back Corbelled
57.	50 x 45 x 75	North +	76 x 70 x 27	Curved back
58.	34 x 47 x 56	North +	—	Corbelled
59.	49 x 48 x 70	South*	75 x 60 x 19	
61.	43 x 44 x 61	South +	63 x 48 x 19	
62.	38 x 42 x 65	South +	110 x 60 x 34	
63.	42 x 56 x 68	North*	63 x 52 x 14	
63A.	32 x 35 x 58	South +	68 x 42 x 30	
64.	44 x 72 x 56	North*	90 x 51 x 25	
65.	48 x 60 x 88	South*	—	Corbelled
66.	43 x 48 x 97	South*	—	Corbelled
67.	49 x 50 x 60	North +	54 x 22 x 16	
68.	46 x 46 x 72	North +	60 x 29 x 19	
69.	38 x 54 x 58	North +	77 x 52 x 26	Curved back
69A.	No alcove			
70.	46 x 78 x 64	North*	74 x 58 x 2	Corbelled
71.	42 x 62 x 0	North*	—	Corbelled back
72.	54 x 58 x 75	South +	56 x 51 x 24	Curved back
73.	41 x 61 x 68	North*	63 x 47 x 26	
74.	47 x 52 x 67	North +	—	Curved back
75.	42 x 29 x 68	South*	61 x 55 x 16	
76.	44 x 48 x 41	South +	47 x 35 x 15	
77.	44 x 44 x 58	South +	51 x 50 x 15	Angular
78.	36 x 40 x 53	North*	47 x 27 x 16	
79.	No alcove			
81.	41 x 42 x 57	North*	48 x 47 x 23	
82.	34 x 46 x 56	North*	43 x 37 x 23	
83.	36 x 28 x 57	North +	60 x 54 x 18	Corbelled
84.	46 x 43 x 63	North +	—	Corbelled
85.	33 x 37 x 44	South +	—	
87.	43 x 58 x 63	North*	36 x 30 x 9	
88.	43 x 62 x 61	North*	—	
91.	36 x 46 x 65	South*	82 x 43 x 28	
92.	36 x 34 x 60	South*	67 x 52 x 32	
93.	50 x 66 x 64	North +	—	Corbelled Triangular
94.	46 x 34 x 64 (54 at back)	South*	—	
95.	43 x 57 x 79	North +	—	Corbelled
96.	32 x 43 x 55	South*	83 x 41 x 34	
97.	35 x 32 x 54	South*	73 x 58 x 30	
98.	No alcove			
99.	40 x 34 x 65	North +	91 x 68 x 24	
100.	53 x 59 x 59	South*	61 x 57 x 13	
101.	42 x 47 x 76	North +	81 x 63 x 11	
102.	33 x 40 x 62	North +	61 x 41 x 30	
105.	42 x 46 x 53	South +	58 x 27 x 20	Partially Corbelled
106.	No alcove			
107.	51 x 41 x 72	South +	38 x 43 x 17	

Burial Number	W. x L. x Ht.	Location	Size of capstone L. x W. x thick	Remarks
108.	30 x 46 x 55	North*	64 x 24 x 20	
109.	32 x 53 x 38	North*	53 x 38 x 16	
110.	No alcove			
111.	No alcove			
111A.	No alcove			
111B.	No alcove			
112.	No alcove			
113.	37 x 28 x 68	South*	—	Narrow back
114.	No alcove			
115.	No alcove			
115A.	No alcove			
(T)116.	56 x 36 x ?	South +	—	Broken
(T)116A.	57 x 50 x ?	North +	—	Broken
(T)117.	38 x 46 x 59	North +	59 x 37 x 15	
117A.	No alcove			
118.	38 x 19 x 57	North +	37 x 23 x 18	
119.	52 x 64 x 69	North*	—	
120.	34 x 35 x 67	North*	—	
121.	40 x 43 x 69	South +	—	
122.	No alcove			
123.	No alcove			
124.	No alcove			
125.	54 x 49 x 68	North*	58 x 43 x 8	
125A.	No alcove			
126.	34 x 75 x 72	South*	—	
127.	44 x 53 x 49	South*	62 x 33 x 18	
128.	35 x 38 x 67	North +	50 x 40 x 13	
128A.	52 x 52 x 63	North +	59 x 39 x 10	
129.	36 x 47 x 42	South*	54 x 34 x 19	
130.	No alcove			
131.	41 x 52 x 63	North +	59 x 33 x 13	Curved back
133.	35 x 34 x 56	South +	44 x 31 x 17	
134.	34 x 51 x 51	South*	45 x 35 x 18	
135.	34 x 30 x 48	North +	50 x 24 x 12	
136.	33 x 43 x 51	South*	39 x 36 x 6	
137.	31 x 39 x 57	South*	—	
137A.	23 x 36 x 53	South +	43 x 36 x 9	Built into Ringwall Curved back
138.	35 x 41 x 56	North +	49 x 56 x 22	
139.	31 x 34 x 57	South*	56 x 37 x 13	
141.	43 x 44 x 53	North +	—	
142.	No alcove			
(T)143.	45 x 43 x 80	North +	—	
(T)144.	42 x 49 x 70	South +	—	
(T)145.	No alcove			
(T)145A.	No alcove			
(T)146.	50 x 58 x 76	North +	—	
147.	No alcove			
148.	No alcove			
149.	No alcove			
149A.	No alcove			

Burial Number	W. x L. x Ht.	Location	Size of capstone L. x W. x thick	Remarks
(T)150.	47 x 35 x 73	South +	—	
(T)150A.	54 x 49 x 91	North +	72 x 46 x 32	
(T)150B.	No alcove			
(T)151.	No alcove			
(T)151A.	No alcove			
(T)151B.	No alcove			
(T)151C.	No alcove			
(T)152.	No alcove			
(T)152A.	No alcove			
(T)152B.	No alcove			
(T)152C.	No alcove			

7. Stratigraphy of the Graves (Pls. XIVA, XVI & XVIII; Figs. 11-13)

Observations on the deposits in the burial chambers afforded insight into successive stages and possible causes of fillings between the bedrock and capstones. At the beginning of excavations in November 1980, a detailed record of stratigraphy was maintained by retaining a section of half or one quarter of the graves down to the floor level and then removing it after it was drawn and photographed. The procedure was adopted in order to detect possible variations in the depositional history of graves. Stratigraphic digging, being a departure from local excavation procedures, somehow could not be favoured and the present author was obliged to rely mostly on observations, supplemented by the evidence of a section retained at the mouth of alcove, if possible under the conditions. The available reports on excavations are silent on details of deposits inside the graves.¹⁰

Based on the evidence recorded in the early days of digging coupled with observations, it is possible to offer general comments on stratigraphy. Amongst 150 graves excavated, no regular surface of the original floor has survived in any grave with the solitary exception of (Kassite) Burial 150 which was of lime plastered on the walls and floor. It was noticed that uneven original or secondary surface of bedrock was made level with earth, often mixed with gravel, and a thin layer of sand was generally spread on top before placing the dead. The thickness of such a prepared surface varied between 4 and 15 cm depending upon the level of bedrock surface which was intended to be covered. In the absence of hard filling or material of different composition, the original surface of level of floor was hardly distinguishable from the overlying earth. Its presence was indicated by the occurrence of funerary objects and skeletal remains which were mostly found to be disturbed in antiquity and by rain water. In graves in which objects were missing and where the skeletal remains were too badly decomposed, the discolouration of soil and hardened surface combined with the bottom of fallen stones suggested the presence of a floor level.

Above the floor level, a deposit of loose earth frequently mixed with fallen stones and varying in thickness from 8 to 25 cm or more, was found in all the graves. This deposit also contained streaks of water-laid mud and pockets of sand. It was numbered layer (2) from top or above the floor level in all graves. Mixed materials of layer (2) apparently accumulated as a result of rain water which percolated through the crevices of rough stone masonry and

openings left by the grave robbers. The stones, if fallen into the graves, invariably came from the western (partition) wall of the grave which was rarely bonded with the long walls and hence badly damaged in most cases.

In Bahrain, it rains intermittently and at times heavily in Winter. On the rainy day, it was observed that our excavated graves were entirely flooded. When the water was absorbed, the graves were found to be almost full of sand, mud and grit and even with stones fallen down from the excavated structures. In a similar situation, ancient graves must have been flooded more than once until filled up entirely with sand, earth and stones. Some light weight materials such as pottery and bones might have floated up and been tossed around, thus disturbing their original placement. There is no other explanation for finding human skulls and bones at a higher level and separated from the rest of skeleton in some graves and also for small, narrow necked vases isolated from their originally associated materials at the floor below.

The top or uppermost deposit in all the graves of the Burial Complex and tumuli consisted of sand of light brown colour, not less than 45 cm but usually between 50 and 65 cm thick and even more if layer (2) happened to be of less thickness (Figs. 11, 12A, 13; Pls. XVIa & XVII). Sections obtained through the thick sand deposit of burial chambers, which fortunately ran under the baulks, showed horizontal as well as slanting streaks and lines of gritty materials amidst coarse and fine grained sand, indicating accumulations by water and wind action up to the underside of capstones. Nothing was found in the sand deposit recorded as layer (1).

8. Skeletal Remains (Pls. XVIII-XX; Figs. 14-17)

Among 150 graves, it was surprising to find that only 38 graves contained human skeletal remains. In the Burial Complex, only three graves contained complete skeletons, while the remaining 35 graves yielded bones in fragmentary condition. The state of preservation was extremely poor. Bones were found not only scattered all over the burial chamber but also at different levels above the floor level. Because of their fragile condition, it was impossible to remove even small pieces satisfactorily in spite of applying PVA¹¹ on the bones before removal. In a few graves only parts of a human skull and a few pieces of bone were found. The graves containing a complete human skeleton were Burials 42, 59 and 102. Other graves in which only pieces of bones were found were Burials 3, 4, 15, 16A, 19, 22, 27, 28, 32, 34, 37, 43, 50, 52, 61, 62, 64, 92, 100, 105, 113, 116, 116A, 123, 125A, 128, 134, 145, 145A, 150, 150A, 150B, 151B and 151C. The above count of graves includes graves of the tumuli (Figs 30 and Table 6).

It was observed that human bones were found to be lying haphazardly in most of the burial chambers above the floor level in a manner, which did not represent fractional burials, that is, proper burial or placement of parts of human skeleton. Needless to say, most graves of the Burial Complex and also of tumuli at this site and elsewhere in Bahrain were robbed in antiquity and when left open were also accessible to wild animals. There was no convincing evidence at all at this site to demonstrate that any of the graves represented fractional burials in the real sense. The manner in which bones were found to be lying scattered in the burial chamber did not indicate their original position when the dead was placed in the grave.

All the graves of the Burial Complex contained single burials in contrast to the graves of the tumuli in which multiple human skeletal remains have been found. Only one grave (Burial 42) has been used twice. On its floor level, antiquities belonging to the Barbar period were found but 5-12 cm above layer (2) and sealed by the sand deposit of layer (1), a

complete human skeleton was found associated with characteristic Kassite pottery (Pl XVIII & Fig. 14b). This grave is located almost in the middle part of the Burial Complex. Apparently, when the Burial Complex ceased to remain in use (in this area), this grave which might have been left open by the robbers or otherwise, was re-utilized during the Kassite period. The presence of Kassite burials is not surprising because Burial 150 of the tumuli belonged to the same period.

In the Burial Complex three human skeletons, two of the 'Barbar' period (Burials 59 and 102) and one of the Kassite period (Burial 42), show that the head was placed on the northeastern side with the face turned towards north (Pl. XIXB & Fig. 15a; and Pl. XVIII & Fig. 14b). The arms were folded and brought up and near the face. The legs were kept in a flexed position and the body laid on the right side. The funerary objects were placed near the head but steatite seals and vessels were generally placed in front of the face. The other semi-complete skeleton found in Burial 52 was lying with the head on the southwestern side and the position of post cranial remains was not clear. The sample size of only three complete skeletons among 131 graves of the Burial Complex is too limited with which to make further general statements. It is presumed that the body was properly articulated but unfortunately the original position cannot be reconstructed due to human and natural disturbance.

Seven graves of the tumuli revealed remains of single and multiple skeletons among which three (Burials 150, 150A and 150B) of one tumulus belonged to the Kassite period. The remaining seven tumuli are essentially of the Barbar period and, therefore, contemporary with the Burial Complex. Burial 151B contained three semi-complete skeletons in association with Barbar ceramics, with the head on the western side and face turned towards south (Pl. XXXVIII A & Fig. 17a). The skeleton at almost bedrock surface was of a female, wearing two copper/bronze bracelets, a coiled finger ring and a wrist band of small cylindrical beads of carnelian (Pls. XXXVIII B & Fig. 17b). This evidence and observations on the Burial Complex combine to suggest that females were generally buried with items of their jewellery. In addition to personal ornaments, pairs of bivalve shells were usually found in the female graves. The study of skeletal remains from Sar currently in progress by Dr. Bruno Frohlich will enable us to derive further information on the Dilmun population as regards their average age, height, diet and distribution according to sex (Frohlich 1981).

Disarticulated skeletons were found in six other graves of the tumuli. Burial 116 revealed four skulls including one of a female (Frohlich, personal communications) and Burial 150B yielded four crania with fragmentary bones. A skull in Burial 145A was found to be lying in the sand deposit more than 25 cm above the floor level containing post cranial remains. Apparently, the skull had floated up in rain water some time in antiquity.

The tumulus containing three Burials 150, 150A and 150B is the largest of all the tumuli at this site. The northernmost grave (Burial 150A) revealed mixed ceramics of the Barbar and Kassite ages, an 'early' type of 'Dilmun' stamp seal and fragmentary skeletal remains while the southernmost grave (150B) found to be broken at one end, yielded four crania. The central grave (Burial 150) was found to be packed with at least 15 human skulls and post cranial remains mostly in the eastern half of the grave on a lime plastered floor together with cream buff slipped, plain and incised pottery of the Kassite period (Pls. XXXVI & XXXVIII A; Fig. 16). Except for some bones on the western side, all the skeletal and funerary materials were lying at the floor level, suggesting their disposal at one time. This situation is different from the recently opened large mound at A'ali by Bahrain's Department of Archaeology (1982) in which burial chambers containing skeletal remains amidst a thick earth layer show their prolonged use. It should be mentioned that two animal jaws (goat-sheep) were also found in Burial 150 of the Kassite period (Pl. XXXVIII B).

9. Funerary Materials (Table 6; Fig. 30 & Pls. XXII-XXV, XXXVIA & XXXVIII).

The original position of various categories of materials in the graves is largely disturbed. Therefore, it may not be possible to work out precise patterns of distribution of various types of funerary objects in association with skeletal remains or otherwise. However, a general statement is called for on the basis of recurrent features as observed during the excavations and analysed later.

The recurrent materials consist of ceramics of various shapes and sizes; steatite (Chlorite) stamp seals and small vases; copper/bronze weapons such as spearheads, knives and daggers, and other miscellaneous ornaments such as finger rings earrings and bracelets; bivalve shells and other shell objects such as seals and pendants or studs; bitumen-lined baskets; and a number of beads of stone and paste.

The objects found in the graves are certainly very selective and do not represent the whole spectrum of the culture to which they belong. Of the Barbar I-III period, diagnostic shapes of the 'Barbar' wares such as almost cylindrical, round bottomed, red handmade vessels (Figs. 18; Pl. XLI, 1, 2, 3 & 5) and red 'ridged' wares showing horizontal ridges produced on secondary coating of mud on the external surface and limited shapes of small buff or cream slipped wares are very common in occurrence. The Kassite pottery was found in four graves only. In all, fifty-six graves yielded red 'Barbar' wares and ten graves revealed its contemporaneous ridged ware, found either in association with or without the 'Barbar' ware.

Certain categories of funerary objects seem to constitute groups because of their mutual association observed in the graves. Stamp seals of steatite (chlorite) are found generally with steatite vessels (Burials 3, 14, early level of 42, 91, 121, and 126) or without them (Burials 23, 53, 59, 63A, 66, 69, 75, 91, 94, 113, 134, 137, 137A, 139 and 150A). A number of graves yielded steatite pots without stamp seals (Burials 19, 35, 49, 56, 62, 76, 96, 111A, 115A, 117, 131, 135 and 151B).

Among the weapons of copper/bronze, spearheads are found in association with stamp seals and steatite vases (as in Burial 3) but often they occur with 'Barbar' red ware and with ridged wares (Burials 3, 16A and 91). Seals or studs made from the sawn-off apex of shells were found in four graves (Burials 34, 56, 77 and 105) but bivalve shells occurred in large numbers, usually in pairs, in thirty-five graves. It was observed that shells were originally placed in pairs, most of them containing a blackish substance and in one case, a piece of antimony stone (Burial 100). Shells were seen to be carefully arranged especially in the alcoves, making parallel lines at precisely equal distances from one another, around a pottery vessel or bordering a bitumen-lined basket. A similar pattern was observed in the children's graves in Area C. The real significance or meaning of arranging shells in various ways is not possible to find at present but it would suffice to point out that shells have long been associated with fertility rites and its form symbolised the womb in ancient religious beliefs.

Burial 100, in which pairs of bivalve shells were found in rows, was of a female and had an alcove in the southern wall. Twenty-three other graves which yielded shells also have alcoves to the south (Burials 19, 23, 34, 36A, 37, 50, 53, 55, 59, 66, 72, 77, 91, 92, 97, 100, 105, 127, 129A, 134, 136, 144 and 150). However, it should be added that shells recorded from seven other graves have alcoves in the northern wall (Burials 28, 36, 70, 88, 117, 118 and 150A). Shells were also found in graves without an alcove (Burials 79, 110, 111A and 137A). If there was a general preference for building an alcove on the southern side for the

females, and shells are invariably or generally associated with the female burials, analyses of skeletal remains would throw further light on this hypothesis.

The evidence of shells and a particular direction of alcoves should not be considered in isolation. The shells were also found to be associated with copper/bronze finger and earrings (Burials 50, 144 and 150); with rings, steatite stamp seals or vessels (Burials 19 and 134); with seals only (Burials 23, 55, 59 and 66); and even with seals and copper/bronze spearheads (Burials 53 and 91). Furthermore, shells found in graves with alcoves located on the northern side were associated also with copper/bronze rings (Burials 28 and 70) and with a ring and a steatite vessel (Burials 117). Burial 150A of the tumulus revealed an ear stud of shell with a copper/bronze ring and a steatite stamp seal (Table 6). Some graves without an alcove also yielded shells with a steatite vessel (Burials 79, 110, 111A) and with a stamp seal (Burial 137A). Analysis has shown that graves provided with an alcove on the northern side and containing shells did not have stamp seals. A total of thirty-five graves of the Burial Complex and tumuli yielded shells, including two with objects made of shell. Seals of shell were found in Burials 34, 56, 77 and 105.

Bitumen-coated baskets were found in thirty-one graves of the Burial Complex and tumuli. It was observed that a bitumen-lined basket, if present, was placed in the alcove or in a corner but never in the middle of the grave. Bitumen baskets occur rarely in association with copper/bronze spearheads. Only in Burial 53 fragmentary remains of a bitumen basket were found with a spearhead. Such baskets are generally associated with shells, stamp seals of steatite and/or steatite vessels. Among the thirty-one graves containing remains of bitumen-lined baskets in varying degrees of preservation eight did not yield shells or objects of shell and/or steatite objects.

In spite of disturbance caused to the graves in antiquity, certain features in the location and distribution of funerary objects were repeated in most of the graves, on the basis of which it is possible to offer some comments on the emerging patterns as seen in the Burial Complex and tumuli. Pottery vessels were placed near and around the head of the deceased person and represented different shapes suggestive of different functions. The cylindrical red 'Barbar' vessel was always handmade while the rest of the potter was wheelmade. The red 'Barbar' vessel was usually placed near the wall or in the alcove (Burial 84). Stamp seals of steatite and shell were placed close to the human body. Steatite cups or bowls were placed in front of the human face and inside the alcove or near its mouth. Shells were placed in pairs, generally in the alcove but also near to the human body. Bitumen-lined baskets were disposed of in a corner of the burial chamber or in the alcove. Miniature pottery was generally kept near the head but small globular pear-shaped vases frequently occur in the alcoves but near the mouth. The females were buried with their personal ornaments, a practice similar to that observed at contemporary sites in Mesopotamia and the Indus Valley.

Among 150 graves of the Burial Complex and tumuli, twenty-four graves were found to be completely empty without any trace of human skeletal remains, a potsherd or any other object. Complete absence of funerary objects and human bones is unusual in so many graves. In the Burial Complex, graves devoid of any object or skeletal remains are Burials 8, 10, 17, 24, 25, 29, 39, 45, 65, 67, 71, 73, 74, 81, 83, 85, 95, 98, 101, 112, 115, 119, 138 and one burial located between the Burial Complex and tumuli under number 149. In the tumuli only one grave (Burial 146) was found to be completely devoid of funerary or other remains.

Table - 6
Occurrence of funerary objects and human skeletal remains

Burial Numbers	3	5	7	14	15	16	16A	18	19	22	23	26	27	28	31	32	33	34	35	36	36A	37	38
POTTERY																							
Red 'Barbar'	x	x							x	x	x	x	x	x			x				x		x
Ridged ware		x					x																
Buff & Buff slip																		x	x				
Thick tempered	x											x							x				
Kassite buff																							
Misc. red ware								x								x					x		
STONES																							
Stamp seals	x	x		x							x												
Steatite vessels	x			x				x												x			
Beads, agate															x	x							
Beads, other											x			x								x	x
COPPER/BRONZE																							
Spearheads	x					x	x																
Knives												x											x
Daggers																							
Finger/earring	x			x				x						x			x						
Bracelets																							
Rods/needles								x								x	x						
Misc. Pieces			x								x		x			x	x			x	x		
SHELLS																							
Seals																							
Pendants/studs																							
Bivalve shells								x		x				x							x	x	x
Other shells																							
BITUMEN-COATED BASKETS	x								x		x	x	x		x							x	
HUMAN BONES	x	x		x			x	x	x				x	x		x							x
MISCELLANEOUS																							

Table — 6
Occurrence of funerary objects and human skeletal remains

Burial Numbers	42	43	44	47	48	49	50	51	52	53	54	55	56	57	58	59	61	62	63	63A	64	66	68	69	
POTTERY																									
Red 'Barbar'		X										X	X		X	X	X	X	X	X	X				X
Ridged ware			X		X																				
Buff & Buff slip				X			X									X									
Thick tempered								X	X					X	X										
Kassite buff	X																								
Misc. red ware																									
STONES																									
Stamp seals	X	X	X							X		X											X		X
Steatite vessels	X						X						X					X							
Beads, agate													X												
Beads, other	X						X			X			X		X	X						X			
COPPER/BRONZE																									
Spearheads																									
Knives										X	X													X	
Daggers																	X								
Finger/earring							X						X												
Bracelets																				X					
Rods/needles																		X							
Misc. Pieces									X	X		X							X		X	X			
SHELLS																									
Seals													X												
Pendants/studs																									
Bivalve shells							X			X		X				X							X		
Other shells																									
BITUMEN-COATED BASKETS		X							X	X		X				X		X							
HUMAN BONES	X	X					X	X							X	X	X				X				
MISCELLANEOUS																									

Table — 6
Occurrence of funerary objects and human skeletal remains

Burial Numbers	69A	70	72	75	76	77	78	79	82	84	88	91	92	93	94	96	97	99	100	102	105	106	107	108	
POTTERY																									
Red 'Barbar'		x	x			x	x			x		x	x			x	x				x	x		x	
Ridged ware																		x	x						
Buff & Buff slip		x		x														x	x					x	
Thick tempered				x																					
Kassite buff																									
Misc. red ware									x							x									
STONES																									
Stamp seals				x								x	x		x										
Steatite vessels					x							x				x									
Beads, agate																									
Beads, other										x				x							x			x	
COPPER/BRONZE																									
Spearheads												x													
Knives	x																								
Daggers									x																
Finger/earring		x											x											x	
Bracelets																									
Rods/needles																									
Misc. Pieces	x							x					x							x					
SHELLS																									
Seals						x																			
Pendants/studs												x	x											x	
Bivalve shells		x	x		x		x			x	x	x	x				x		x		x				
Other shells																									
BITUMEN-COATED BASKETS																									
			x		x																		x		
HUMAN BONES																									
													x								x	x	x		
MISCELLANEOUS																									

Table — 6
Occurrence of funerary objects and human skeletal remains

Burial Numbers	109	110	111	111A	111B	113	114	115A	116	116A	117	117A	118	120	121	122	123	124	125	125A	126	127	128	128A	
POTTERY																									
Red 'Barbar'	x		x	x	x						x	x				x		x	x				x	x	
Ridged ware											x	x		x									x	x	x
Buff & Buff slip	x			x	x				x	x		x				x							x	x	x
Thick tempered									x	x															
Kassite buff																									
Misc. red ware						x							x												x
STONES																									
Stamp seals						x										x						x			
Steatite vessels				x				x			x					x						x			
Beads, agate																									
Beads, other															x										
COPPER/BRONZE																									
Spearheads																									
Knives												x													
Daggers													x												
Finger/earring						x					x														
Bracelets																									
Rods/needles															x										
Misc. Pieces				x							x						x								
SHELLS																									
Seals																									
Pendants/studs													x												
Bivalve shells	x		x								x												x		
Other shells																									
BITUMEN-COATED BASKETS																									
	x						x		x				x		x										
HUMAN BONES																									
	x					x			x	x								x			x			x	
MISCELLANEOUS																									

Table — 6
Occurrence of funerary objects and human skeletal remains

Burial Numbers	129	131	133	134	135	136	137	137A	139	141	142	143	144	145	145A	147	148	149A	150	150A	150B	151B	151C
POTTERY																							
Red 'Barbar'	X				X	X				X		X		X		X	X		X	X			
Ridged ware								X															X
Buff & Buff slip	X			X	X		X	X				X	X										
Thick tempered				X																		X	
Kassite buff																		X	X	X			
Misc. red ware			X																			X	
STONES																							
Stamp seals				X			X	X	X												X		
Steatite vessels		X			X																		
Beads, agate																						X	
Beads, other				X					X			X			X					X	X	X	X
COPPER/BRONZE																							
Spearheads																							
Knives		X															X						
Daggers																							
Finger/earring				X			X		X		X	X	X							X	X	X	X
Bracelets																							X
Rods/needles			X			X					X												
Misc. Pieces				X								X	X						X	X			
SHELLS																							
Seals																							
Pendants/studs				X																	X		
Bivalve shells	X			X		X		X				X				X			X	X			
Other shells																			X				
BITUMEN-COATED BASKETS			X	X		X	X		X	X		X				X			X				X
HUMAN BONES				X										X	X				X	X	X	X	X
MISCELLANEOUS																			X			X	

10. The Ringwalls (Table 7 and Pls. XXVI - XXVIII)

The walls enclosing the graves in the Burial Complex are referred to as 'ringwalls' in a general sense as already explained at the beginning of this discussion. In fact, they are curved, elongated and also angular in shape (Fig. 5). The walls of the tumuli are circular and therefore, are 'ringwalls' in the true sense. All the graves at this site have ringwalls. Burial 123 which does not appear to have a ringwall was, in fact, enclosed by a wall on its southern side originally but was found to be in a severely damaged condition.

In the Burial Complex, the length of the ringwalls varies depending upon the size of grave it encloses and the position of earlier ringwalls against which a later ringwall was built. There is no specific or general relationship between the size or shape of graves and the length of ringwalls. The builders did try to keep the line of the ringwall as close to the grave as possible. The space in between was filled up with earth mixed with stones. The filling provided strength as well as stability to both the ringwall and grave. The structural as well as stratigraphical evidence observed in Area D and also in the adjacent Area C and A, demonstrated that the ringwalls were generally built in two stages. At first, a ringwall was built to the height corresponding to that of the vertical part of the burial chamber and the space in between was filled up with earth. After interment when the grave was sealed by the capstones, the height of the ringwall was raised up to the level of capstones and even higher. Two stages of construction of the ringwall are particularly evident in Burials 26, 33, 35, 54, 57 and 128A. The two deposits of infilled materials are not easily recognizable due to their identical compositions. The sections retained under the baulks helped to show two deposits associated with two stages of construction (Burials 36A, 37, 39, 63 and 73).

The size of ringwalls of the tumuli ranges from 3.60 m (Burial 143) to 8.18 m (Burials 150 — 150B) in diameter. Still smaller is the Burial 117 (3.55 m). The ringwall of the tumulus containing Burials 116 and 116A (6.14 m in diameter) has been re-utilized on three sides by several graves of the Burial Complex except on the western side. A group of four graves without an alcove (Burials 151-151C) are enclosed by a ringwall of 6.70 m in diameter. Against its northeastern side, four graves are built having no alcove (Burials 152-152C) within a semi-circular wall. Both these groups appear to belong to members of one family or near relations.

At the base, the ringwalls are invariably constructed of large sized stones and taper upwards and decreasing in width of half or even less than the basal width. The external face of ringwalls shows regular courses of semi-dressed and roughly squared stones. The spaces in between are filled by inserting small stones. In most cases the ringwalls are slanting slightly inwards, that is, towards the grave especially in the upper part but the tilt of the upper face is not more than 10 cm from the base. The height of the ringwalls generally corresponds to the surviving height of the graves with capstones but it is not certain how much was destroyed when the surface of the mound was chopped off with bulldozers.¹² The ringwalls are generally surviving to the height of one metre to 165 cm. It is presumed that the height of the ringwalls, at least in the central part of the Burial Complex, must have been greater originally than that surviving at present. Near the western limits of the Burial Complex, especially along the primary and secondary limits, the graves are enclosed by ringwalls which are in the majority of cases less than one metre in height. Correspondingly, the overall heights of the graves located along the western limit of the site are also less than those in the central part. The ringwalls of the tumuli have survived to less than one metre in height in almost all cases except for Burial 150.

In the width of ringwalls, considerable variation is noticeable. The maximum width ranges between 26 cm and 60 cm and the minimum between 11 cm and 49 cm. In the tumuli, the minimum width is between 17 cm and 36 cm and the maximum between 65 and 90 cm (Table 7). Whereas the outer face of the ringwalls is kept regular, the inner side is extremely irregular. A number of stones projecting inside towards the grave chamber and with a slight tilt to the same direction, gives an impression as if the entire ringwall was intended to support the infilling of earth and stones. In a few cases (Burials 59, 116 and 116A), an irregular retaining wall was found to be connecting the grave with the ringwall. This feature is neither common in the Burial Complex nor in the tumuli.

The size of stones used in the ringwalls varies a great deal. The maximum thickness of stones varies between 7 and 38 cm and length varies between 20 cm and 55 cm. The stones used in the upper part show great variations. For example, the average size of stone used in the ringwall of Burial 137A is 56 cm long x 41 cm wide x 28 cm thick but in actual size the largest stone measures 68 x 38 x 36 cm. In the tumuli, similar variations in the size of stones were noticed. For example, an average size of stone used in Burial 116 is 81 cm long x 64 cm wide x 40 cm thick and in Burial 150, it is 65 x 58 x 44 but their actual sizes are respectively, 129 x 91 x 72 cm and 74 x 61 x 58 cm. (The average and actual sizes of stones of the ringwalls are given in Appendix C and Table 7).

Burials 118, 122 and 147 have two walls. The walls of Burial 122 run almost straight, connecting the Burial Complex with a tumulus and those of Burial 118 connect two tumuli (117 and 116). The T-shaped grave (Burial 147) due to its location between the last limits of the Burial Complex and the tumulus of Burial 146 is marked off by two walls.

Many graves were enclosed by the ringwalls in such a manner that the space between the grave and its ringwall was too limited to contain infilling, especially in the case of small sized graves located on the western limits of the Burial Complex.

Table — 7
The Size and Masonry Details of Ringwalls

Note : All measurements are in cms unless mentioned otherwise

Burial Number	External Length	Maximum Height	Width Min./max.	Average size of stones	
				Face of wall (Long x thick)	Top of wall (L. x W. x thick)
3.	608	122	15-47	43 x 32	—
5.	260	124	41	39 x 38	—
7.	480	114	30-43	40 x 21	38 x 31 x 26
8.	564	128	28-48	34 x 23	62 x 33 x24
10.	420	105	41-43	45 x23	—
14.	486	140	21	38 x 28	—
15.	500	128	23-28	34 x 10	42 x 53 x 15
16.	500	131	36-50	37 x 16	—
16A.	400	131	26-51	36 x 17	—
17.	530	140	15-34	24 x 12	—
18.	420	160	24-48	30 x14	30 x 45 x 16
19.	513	165	22-58	37 x24	—
22.	490	131	26-31	25 x 16	—
23.	500	156	21-48	38 x 22	29 x 30 x14
24.	465	128	33-43	43 x 19	40 x 36 x22
25.	482	142	18-38	39 x19	27 x23 x 9
26.	510	141	24-57	30 x 20	31 x 30 x 17
27.	515	143	34-37	23 x 18	31 x 30 x 17
28.	455	143	30-48	29 x 20	40 x 40 x 22
29.	380	146	30-38	33 x 15	—
31.	524	125	27-51	38 x 10	27 x 33 x 11
32.	585	100	29-37	31 x 19	—
33.	460	126	15-38	22 x 13	—
34.	576	134	19-56	40 x 14	38 x 35 x 17
35.	462	120	19-42	38 x 18	—
36.	426	133	21-38	27 x 13	38 x 31 x 13
36A.	520	115	33-61	36 x 17	51 x 46 x 18
37.	465	123	31-48	33 x 22	—
38.	532	138	18-48	39 x 20	—
39.	500	137	20-53	40 x 17	48 x 35 x 16
42.	627	120	23-51	34 x 18	39 x 40 x 21
43.	580	95	40-55	55 x 13	43 x 37 x 14
44.	400	103	27-45	28 x 16	16 x 22 x 10
45.	515	122	22-63	34 x 28	29 x 28 x14
47.	417	102	16-32	26 x 12	48 x 35 x23
48.	352	107	20-44	31 x 16	23 x 38 x 10
49.	380	99	22-46	—	41 x 32 x 21
50.	580	90	30-42	28 x 10	42 x 28 x 20
51.	568	118	16-44	31 x 15	—
52.	450	114	33-42	27 x 9	—
53.	508	142	22-47	21 x 19	31 x 29 x 13
54.	519	120	49-52	—	42 x 35 x 18
55.	510	143	28-46	36 x 26	—
56.	500	125	20-40	27 x 15	41 x 44 x 11

Burial Number	External Length	Maximum Height	Width Min./max.	Average size of stones	
				Face of wall (Long x thick)	Top of wall (L. x W. x thick)
57.	520	145	15-45	48 x 18	49 x 44 x 20
58.	566	138	19-30	22 x 18	—
59.	400	152	30-45	21 x 15	36 x 37 x 14
61.	541	123	36-70	34 x 20	56 x 46 x 23
62.	485	140	28-40	33 x 18	—
63.	450	116	20-52	32 x 16	41 x 23 x 16
63A.	410	110	20-40	21 x 13	38 x 32 x 16
64.	480	127	23-35	30 x 16	—
65.	380	101	18-37	24 x 10	33 x 33 x 12
66.	377	129	15-26	27 x 9	—
67.	507	199	20-42	36 x 16	43 x 33 x 18
68.	500	120	23-56	29 x 15	—
69.	570	108	28-50	30 x 16	51 x 41 x 18
69A.	86	88	22-31	—	—
70.	590	108	22-45	46 x 25	45 x 38 x 24
71.	485	103	33-42	46 x 23	53 x 43 x 21
72.	470	180	23-33	38 x 12	40 x 40 x 16
73.	430	100	31-43	48 x 33	—
74.	470	95	26-44	36 x 16	39 x 34 x 27
75.	485	82	22-32	29 x 14	35 x 32 x 18
76.	384	64	27-31	27 x 8	38 x 32 x 21
77.	480	100	30-42	24 x 10	38 x 32 x 9
78.	450	103	24-38	30 x 10	—
79.	400	93	43	28 x 17	46 x 46 x 28
81.	370	66	18-39	29 x 10	47 x 36 x 20
82.	313	65	23-33	48 x 21	—
83.	480	65	28-39	32 x 22	35 x 28 x 21
84.	465	70	23-45	20 x 9	42 x 33 x 15
85.	337	75	26-38	41 x 28	—
88.	430	50	20-48	27 x 26	44 x 55 x 29
91.	465	80	14-30	35 x 14	—
92.	460	80	21-50	40 x 22	39 x 44 x 29
93.	386	90	39-43	41 x 30	—
94.	435	94	21-44	—	37 x 34 x 17
95.	400	133	15-56	37 x 2	—
96.	440	114	19-32	31 x 16	—
97.	427	88	23-46	24 x 15	—
98.	390	90	28-45	34 x 16	25 x 27 x 12
99.	340	123	14-31	28 x 14	—
100.	515	100	30-36	35 x 25	—
101.	405	120	19-49	30 x 19	24 x 31 x 14
102.	435	100	22-32	24 x 16	—
105.	591	76	20-37	25 x 13	—
106.	441	90	48-55	28 x 20	—
107.	385	121	30-54	13 x 19	—
108.	445	108	30	39 x 18	44 x 30 x 28
109.	515	110	21-40	21 x 12	—
110.	331	80	21-36	18 x 11	—
111.	565	85	27-46	32 x 20	—
111A.	356	70	13-46	34 x 18	—

Average size of stones

Burial Number	External Length	Maximum Height	Width Min./max.	Average size of stones	
				Face of wall (Long x thick)	Top of wall (L. x W. x thick)
111B.	360	52	11-60	18 x 13	—
112.	410	70	27-33	45 x 22	—
113.	125	58	37	19 x 12	—
114.	150	65	27-38	32 x 17	—
115.	341	78	24-36	36 x 21	—
115A.	537	74	28	41 x 23	38 x 26 x 15
(T)116.	18.91m	52W 115E	25-90	38 x 16	81 x 64 x 40
(T)117.	880	75	17-38	34 x 15	—
117A.	210	90	22-35	—	16 x 22 x 11
118.		TWO WALLS			
	W:135	78	24-39	29 x 15	—
	E:239	36	18-27	—	—
119.	465	68	18-45	30 x 19	38 x 42 x 19
120	495	67	14-34	31 x 14	26 x 29 x 15
121.	640	70	27-45	25 x 18	28 x 43 x 18
122.	200	110	20-25	28 x 13	—
124.	326	65	26-35	31 x 20	—
125.	480	110	22-41	28 x 14	—
125A.	93	75	28-35	36 x 16	—
126.	387	110	28-51	36 x 17	42 x 47 x 17
127.	427	95	18-14	40 x 16	—
128.	390	103	15-38	33 x 16	—
128A.	507	96	24-41	36 x 23	29 x 29 x 9
129.	291	94	15-43	20 x 13	27 x 22 x 15
130.	365	91	15-35	17 x 12	—
131.	360	100	18-30	39 x 11	—
133.	427	70	27-45	41 x 21	—
134.	505	64	25-36	37 x 22	—
135.	506	97	20-42	28 x 14	24 x 28 x 12
136.	331	81	14-40	23 x 10	—
137.	530	92	30-42	36 x 16	—
137A.	385	50	20-44	39 x 20	56 x 41 x 28
138.	468	80	21-60	34 x 22	21 x 38 x 7
139.	359	64	18-50	32 x 16	62 x 44 x 25
141.	570	65	25-27	32 x 17	—
142.	310	39	31-32	43 x 17	—
(T)143.	11.50m	74	24-54	36 x 61	37 x 42 x 22
(T)144.	12.55m	58	24-52	35 x 21	46 x 33 x 25
(T)145.	16.50m	63	20-42	37 x 17	40 x 28 x 18
(T) 146.	12.90m	66	30-40	—	46 x 38 x 21
147.	360	51	25-42	41 x 23	—
148.	410	33	13-41	28 x 7	—
149.	490	38	20-34	30 x 17	—
149A.	540	43	15-32	32 x 16	—
(T)150.	25.30m	100	36-65	60 x 31	65 x 58 x 44
(T)151.	21.25m	76	24-58	35 x 23	38 x 39 x 16
(T)152.	17.20m	65	20-40	31 x 18	—

PART — III

**DESCRIPTION OF PARTIALLY
EXCAVATED BURIALS**

PART — III

Description of Partially Excavated Burials

The preceding analyses and observations in part — II are based on the evidence found in 150 completely excavated graves. The details on each Burial (grave and ringwall) regarding structural features, size, masonry, stratigraphy inside and outside the grave chamber, number of funerary objects found and skeletal remains are tabulated under Appendix C to facilitate quick reference and to verify the basis of conclusions presented here. Moreover, it is intended to keep factual data separate from the author's observations and to allow readers to examine the evidence and formulate their own opinions independently.

Twenty-eight Burials located along the northern and eastern baulks only partially excavated are described in the following pages.

Burial 1

Burial 1, consisting of Features 12 and 13, was partially excavated in the northeastern corner of Square D/A1. Only a few stones of the projecting part of the grave and its associated ringwall were exposed. The width of the ringwall varies between 36 and 51 cm. The whole structure is sealed by a 131 cm thick deposit of sand and earth mixed with gravel. The ringwall could be exposed to the height of 74 cm. Its external face measures 264 cm long and consists of four courses of stones. The wall does not contain any filling of interspaces with small stones. The size of stones is 41 cm long x 29 cm thick; 39 x 21 cm and 31 x 26 cm. There are no capstones on the exposed part of the grave.

Burial 2

A ringwall (Feature 10) was exposed near the eastern section in Square D/A1, measuring 206 cm long and 140 cm high and consisting of five courses of stones. Its width is between 28 cm and 48 cm. This ringwall has been re-used by Burial 3. Only three stones in the eastern section indicated the presence of a grave (Feature 11). The ringwall and the stones of the grave are sealed by a deposit of earth mixed with small stones and sand.

Burial 4

This burial consisted of Features 7 and 6 of Square D/A1. The eastern half of this Burial lying concealed under the section while the remaining part showed two capstones. The first one (from east) which may be the middle capstone, measures 87 cm long x 56 cm wide X 15 cm thick. The westernmost capstone measures 99 x 60 x 18 cm. The space between the grave and ringwall was excavated down to 80 cm from the surface. The deposit was all uniform in composition, consisting of loose earth and numerous small stones. The stones used in the western part of the grave measure 18 cm long x 13 cm thick and 33 x 9 cm. The associated ringwall which is built against the ringwall of Burial 3 and then takes a turn towards the eastern section measures 413 cm long. It was exposed to the height of 130 cm and consists of six courses of stones. The width of the ringwall is between 25 and 46 cm. The measurements of the stones used in the ringwall are, 50 cm long x 17 cm thick; 56 cm x 20 cm; 40 cm x 26 cm and 47 cm x 33 cm.

Burial 5A

It consisted of Feature 1 of Square D/A2. This Burial is marked by the presence of a 110 cm long ringwall built against that of Burial 5 and running up to the northern section.

Excavation done down to 110 cm revealed its eight courses of stones. Its width is between 33 and 45 cm and the size of stones measures 25 cm long x 20 cm thick; and 27 x 8 cm.

Burial 6

This Burial comprised Features 2 and 3 of Square D/A2 and was partially lying under the northern section. Digging carried out to the depth of 102 cm from the existing surface, revealed one capstone and the ringwall. The capstone which appears to be the westernmost one measures 100 cm long x 89 cm wide x 21 cm thick. The exposed part of the ringwall is 504 cm long. Its total height taken from the alcove of adjacent Burials 18 and 19 is 154 cm and its width varies between 24 cm and 52 cm. The ringwall consists of seven courses of stones of different sizes and interspaces are filled with small stones. The ringwall tapers slightly upwards. The measurements of the stones on the surviving top of the wall are 41 cm long x 50 cm wide x 32 cm thick; 43 x 44 x 25; and 43 x 43 x 25 cm.

Burial 9

Situated in Square D/B1 and consisting of Feature 11 only, this Burial was represented by a portion of ringwall near the eastern section. It was built against the ringwall of Burial 11 and disappears under the eastern section. The grave of Burial 14 is built against its face. This wall is located only 6 cm below the surface and is straight and vertical. The length of the wall is 96 cm and the total height up to 117 cm consisting of five courses of stones. A few very small stones are used to fill up interspaces. Because of the narrow space left near the section, evidence on infilled material was too slight to be described. The width of the ringwall in the upper part is between 12 and 21 cm. The size of stones used is 32 cm long x 30 cm wide; and 38 cm x 28 cm.

Burial 11

It was located in two Squares D/B1 and D/C1 and consisted of Features 9 and 10, 5 and 6 respectively. Excavation was done down to the burial chamber and between the ringwall and grave but the bedrock was not reached. Two capstones were exposed which measured 58 cm long x 36 cm wide x 16 cm thick; and 106 x 48 x 28 cm thick. The ringwall measures 340 cm long from the ringwall of Burial 10, against which it is built, and up to the eastern section. Its total height taken from the Burial 15 is 118 cm and consists of eight courses of stones. Its width is between 20 cm and 25 cm. The ringwall tapers slightly upwards. The size of stones used on the surviving top of the wall are 37 cm long x 25 cm wide by 6 cm thick; 54 x 30 x 17; and 28 x 16 x 5; 22 x 27 x 10 cm. The filling between the grave and the ringwall was uniform consisting of loose earth and numerous small stones.

Burial 12

It consisted of Feature 12 of Square D/C1 and was represented by a ringwall only 160 cm long, built against the ringwall of Burial 11 and re-utilized by the graves of Burial 14. From the eastern side of Burial 14, the ringwall is at least 120 cm high and the stones used measure 33 cm long x 30 cm thick; 33 x 21; and 31 x 8 cm. The thickness of wall was not possible to obtain.

Burial 13

It was located in Square D/D1, Feature 1 and Square D/C1, Feature 1. It was only possible to excavate a portion of the ringwall and the grave up to the level of projecting

stones. The filling between the grave and ringwall and even over the grave was composed of earth, mixed with small stones and gravel. The ringwall measures 318 cm long and is utilized by the alcove of Burial 14 and the grave chamber of Burial 28. Its total height, taken from the adjacent graves, is 130 cm and its width is not more than 25 cm. The stones used in the upper part of the ringwall are of small size whereas the lower courses are large. The size of stones in the lower part is 53 cm long x 18 cm thick; 50 x 23 and 50 x 16. In the upper part, the sizes are 13 cm long x 4 cm; 20 x 7; 28 x 10; 17 x 9; and 37 x 16 cm.

Burial 20

This Burial was mostly under the northern section and was represented only by a portion of its ringwall built against the ringwall of Burial 19 and disappearing under the northern section. It was located in Square D/A3 and comprised Features 13 and 7. The ringwall is 114 cm long but its total height could not be known. The width on top is 38 cm. The filling on the inner side of the ringwall was composed of earth and a few small stones. The stones used measure 20 cm long x 19 cm thick; and 42 x 16 cm. Six courses of stones were exposed when excavation was done in the adjacent area of Burial 22.

Burial 21

Located in Square D/A3 and consisting of Features 8 and 9, this Burial was partially concealed under the northern section. It was dug to a depth of 75 cm from the surface, revealing the top of the capstones and partial length of its ringwall. The capstones measure 70 cm long x 47 cm wide x 16 cm thick. The other capstone which seems to be the middle one is 69 cm long x more than 50 cm wide and 20 cm thick. The exposed part of the ringwall measures 450 cm long with a total height, taken from the alcove of Burial 22, of 153 cm. The width varies between 20 and 50 cm. The ringwall consists of twelve courses of stones measuring 26 cm long x 12 cm thick; 44 x 17; and 26 x 12. The filling sealing the capstones and reaching up to the projecting part of the grave consisted of earth mixed with a few small stones. There was a thin layer of sand lying above the filling.

Burial 30

This Burial was represented by a partial ringwall along the eastern section falling within Square D/B1, Feature 13. It has been re-used by the builders of Burial 31. Its total height could not be obtained. Like the partially excavated ringwalls of Burials 9 and 12, this wall occurred 5 cm below the surface and appeared to be straight and vertical. The exposed height of the ringwall of Burial 30 was only 43 cm above the level of the projecting stones of adjacent Burial 31. Three courses of stones were visible measuring 56 cm long x 8 cm wide; and 17 x 16 cm. The width varies between 13 cm and 32 cm.

Burial 40

It was located in Square D/A4 and consisted of Features 8 and 7. Because of its location under the northern baulk, it was partially exposed up to the top level of the projecting stones of the grave occurring 76 cm below the present surface. Two capstones were exposed, measuring 91 cm long x 68 cm wide x 18 cm thick and 49 x 30 x 15 cm. The filling between the grave and the ringwall consisted of earth mixed with few stones. The ringwall measures 293 cm long from its southern end which is built against the ringwall of Burial 39 up to the northern section and stands to the maximum height of 140 cm with seven courses of small and large stones. The ringwall is damaged near the grave chamber of Burial 59 which is built against it. Damage to the ringwalls has been noted in that part which was re-used. It would seem that the later builders removed some courses of an earlier ringwall in order to make

room for the projecting stones and capstones. The wall is 21-43 cm wide and small stones have been used for infilling gaps left between stones. The size of stones is 54 cm long x 25 cm thick; 38 x 28 cm; and 31 x 22 cm. One large stone used measures 68 cm long x 40 cm wide x 38 cm thick.

Burial 41

This Burial was located in Square D/E1 and comprised Features 11 and 4. One complete capstone on its extreme western end measures 82 cm long x 77 cm wide x 10 cm thick, while another one partially exposed is 65 cm wide x 18 cm thick but its full length could not be ascertained because of its location under the eastern baulk. Digging carried out on the northern and southern sides of the grave and within the ringwall to the depth of 90 cm and 56 cm from the existing surface respectively, revealed a uniform deposit of filling consisting mostly of stones of varying sizes mixed with earth. The exposed length of the ringwall measures 290 cm and stands to the height of 136 cm when measured from the Burials 44 and 45. It consists of ten courses of stones and has varying width between 27 cm and 51 cm. The interspaces were filled with small rounded stones. It was observed that the ringwall was higher than the surface of capstones which were sealed by the filling of earth. The stones used in the ringwall measure 30 cm long x 19 cm thick and 22 x 15 cm and those surviving on top are 29 cm long x 27 wide x 21 cm thick; 27 x 24 x 10 cm; and 25 x 46 x 13 cm.

Burial 46

Located in Square D/F1 and consisting of Features 1 and 12, this Burial was partially excavated near the eastern section. There were no capstones on the grave but one stone lying fallen in the sand measured 74 cm long x 55 cm wide x 28 cm thick. Digging was carried out down to the level of two projecting stones and on the northern and eastern sides of the burial chamber but the bed rock was not reached. The filling of earth associated with projecting stones and part of the burial chamber was uniform in composition. The ringwall is built of very large and semi-dressed stones. The exposed length of the ringwall measures 96 cm and it survives to the height of 87 cm. It consists of three courses of stones because of large sized stones used measuring 56 cm only x 43 cm wide x 21 cm thick and 60 x 48 x 16 cm. The other stones used in the ringwalls measure 44 cm long x 32 cm wide and 58 x 41 cm. The thickness of the ringwall varies between 40 and 52 cm and interspaces are filled with rough stones.

Burial 60

It was located in Square D/A5 and consisted of Features 13 and 1. It was mostly concealed under the northern section and only a 133 cm long segment of the ringwall could be unearthed running in a northwestern direction from the external face of the ringwall of Burial 59. The grave chamber of Burial 61 is built against the ringwall of this Burial. The exposed length of the ringwall is 217 cm and stands to the height of 138 cm with five courses of stones. Small stones are used to infill the spaces. With large sized stones used at the bottom, the wall tapers upwards. The deposit in the small area of excavation was uniform, consisting of earth mixed with a few stones. The width of the ringwall varies between 30 and 39. The sizes of stones used in the ringwall are 51 cm long x 22 cm thick; 19 x 8 cm; 22 x 12 cm; and 63 x 32 cm.

Burial 72A

This Burial was represented by an angular ringwall along the eastern section, falling within square D/G1, Feature 6. The southern portion of the ringwall has been re-used by the

grave chamber of Burial 73. This square was excavated by Dr. M. Ibrahim (1982, Fig. 31, 4) in 1979. A uniform deposit of earth mixed with a few stones was noticed while excavating on the inner side of the ringwall. The total height of the wall, taken from the adjacent Burial 73, is 80 cm and consists of six courses of stones. The interspaces are filled with small stones. The exposed length of the wall is 80 cm and the width varies between 18 and 32 cm. The stone size is 33 cm long x 17 cm wide; 24 cm x 15 cm; and 14 cm x 11 cm.

Burial 72B

This Burial was located in square D/F1 and consisted of Features 10 and 8. Digging was carried out to the depth of 80 cm from the surface on the southern side and close to the eastern section. As a result, the lower level of the projecting stones was reached. There was only one capstone on the grave, measuring 72 cm long x 48 cm wide x 14 cm thick. The infilled material, sealing the capstones and also associated with the projecting part of the grave, was composed of small stones mixed with earth. One of the projecting stones measures 33 cm long (parallel to the grave chamber) x 42 cm wide by 22 cm thick. The exposed length of the ringwall is 85 cm which stands to the height of 73 cm. There are four courses of stones in the ringwall showing no filling of interspaces. The width of the ringwall is 23 to 38 cm. It is badly damaged particularly on the southern side as it takes a curve towards the southeast and meets the ringwall of Burial 72A. The stones on the existing top level of the ringwall have the following measurements; 37 cm long x 22 cm wide x 9 cm thick; 30 cm x 27 cm x 7 cm.

Burial 80

This Burial was also located near the eastern baulk and consisted of Features 13 and 14 in Square D/G1. It was excavated in 1979.¹³ Two deposits of infilled material (c.f. Burial 73) were clearly visible in the eastern section associated with the burial chamber. The upper deposit which sealed the capstone and was associated with the projecting part of the grave consisted of numerous small stones, gravel and some earth. The lower deposit associated with the vertical part of the burial chamber consisted of very few stones but a lot of gravel mixed with earth. The burial chamber is orientated to 86° of the compass (E-NE). It is 80 cm wide but reduced at the top to a width of only 45 cm. The height from the bottom of the capstone to the bed rock is 90 cm. The projecting part of the grave is 21 cm high. The stones used in the burial chamber measure 20 cm long x 15 cm thick; and 17 cm x 10 cm. Small stones fill the empty spaces in the walls of the grave. The alcove, located on the northern side, was not fully excavated but it showed length of more than 40 cm. The height of the alcove is 73 cm. The ringwall of this Burial measures 297 cm long and stands 99 cm above the bed rock surface. It consists of five courses of stones which have no filling of interspaces and the width varies between 33 and 46 cm. The size of stone used in the ringwall is 26 cm long x 13 cm thick; 27 cm x 11 cm; 30 cm x 11 cm; and 37 cm x 43 cm. The ringwall of Burial 80 is almost semi-circular.

Burial 86

It was located in Square D/H1 and consisted of Feature 1. The ringwall was found 15 cm below the existing surface. It measures 148 cm long from its northern end, built against the ringwall of Burial 80, to the eastern section. The ringwall has a maximum height of 103 cm and consists of eight courses of stones. The deposit between the ringwall and grave was of uniform composition consisting of earth and a few stones. The stones used in the ringwall measure 58 cm long x 20 cm thick; 18 cm x 8 cm; and 42 cm x 26 cm. Few stones have been used to fill up the spaces in between the courses of stones of the ringwall.

Burial 87

This Burial was located in Square D/H1 and comprised Features 12, 11 and 13. Only the western half of the grave could be excavated while the remaining part is concealed under the eastern section. There were no capstones on the grave. Secondary bed rock surface was exposed in the burial chamber. The chamber is orientated to 80° of the compass (E-NE). The grave chamber measures 107 cm long and 90 cm wide. The height of the vertical part of the grave chamber is 80 cm and there are no projecting stones. On the western side, the partition wall has been completely damaged although the long walls of the grave do reach up to the inner side of the ringwall. The stones used in the chamber measure 38 cm long x 23 cm wide; and 39 cm x 22 cm. Both walls of the burial chamber, consisting of five to six course of stones, are regular. Very few stones are used to fill up the interspaces. An alcove is provided on the northern side which re-used the ringwall of Burial 82. It was originally covered with a capstone which was found to be fallen, measuring 36 cm long x 30 cm wide x 9 cm thick. The alcove has an opening of 43 cm and measures 58 and 51 cm long on the western and eastern sides respectively. Its height above the bed rock is 63 cm. The exposed part of the ringwall measures 305 cm long with 78 cm height and comprises five courses of stones. Its thickness varies between 30 and 53 cm. Very few small stones are used to fill in spaces between the stones. Both large and medium sized stones are used, measuring 26 cm long x 16 cm thick; 36 cm x 14 cm; 14 cm x 15 cm; 52 cm x 9 cm; 41 cm x 18 cm; and 65 cm x 45 cm. Evidence on the composition of infilled material between the grave and the ringwall was insufficient. However, earth mixed with a few stones and gravel was found during the excavation.

Burial 89

This Burial was located in Square D/11 and consisted of Features 1 and 2. The grave chamber could not be completely excavated because it was partially concealed under the eastern baulk. The chamber is orientated to 66° of the compass (E/NE) and measures 107 cm long x 83 cm wide. There were no projecting stones above the vertical part of the burial chamber and capstones did not exist in the exposed part of the grave. Overall height of the surviving structure is 38 cm. The stones used in the burial chamber are 18 cm long x 12 cm thick; and 22 cm x 10 cm. There are three regular courses of stones on both sides. The associated ringwall, built against the ringwall of Burial 88 and then taking a right angle turn towards the eastern section, is 274 cm long. Its 33 cm height on the southern side consists of three courses of stones and there is no infilling of spaces between the courses of stone. Both large and medium sized stones are used in the wall, measuring 30 cm long x 22 cm thick and 23 cm x 16 cm. Evidence of infilled materials is available near the eastern section only which shows uniform deposit of earth mixed with small stones from the existing surface to the exposed level. The thickness of the ringwall varies between 24 and 42 cm.

Burial 90

Located in Square D/11 and consisting of Features 4 and 5, this Burial was represented by few stones of the grave and 161 cm long face of the ringwall. The ringwall starts from the corner of the ringwall of Burial 89 and runs under the eastern section in a southeast direction. The ringwall survives to the height of 49 cm and consists of only one course of large stones. The width varies between 25 and 43 cm. The evidence on infilled material was extremely limited but earth and gravel were noticed. The stones of the ringwall measure 53 cm long x 42 cm wide x 38 cm thick; and 63 cm x 47 cm x 28 cm.

Burial 103

While most of this Burial was under the northern baulk, its southwestern part was located in two Squares D/A5 and D/A6 comprising Features 4 and 12 respectively. It was

excavated down to 53 cm from the existing surface and projecting courses of stones were revealed. One capstone was lying vertically indicating disturbance of the grave in antiquity. Deep digging was not possible between the ringwall and the external side of the grave because of narrow space. The infilled material, observed to be associated with the vertical and projecting parts of the grave, was of uniform composition consisting of numerous stones and gravel mixed earth. The whole deposit was sealed by a thin layer of sand running over the ringwall. The ringwall of this Burial is constructed of large stones measuring 35 cm long x 32 cm thick; 30 cm x 14 cm; and 37 cm x 19 cm and interspaces are filled with small stones. Its total length, from the face of the ringwall of Burial 102 to the northern section, measures 181 cm and is surviving to the total height of 120 cm. The ringwall consists of five courses of stones and its thickness is not more than 25 cm.

Burial 104

This burial is located in Square D/A6 comprising Features 11 and 3. Digging to the depth of 20 cm from the existing surface revealed the top of a capstone, partially concealed under the northern section but measuring more than one meter long x 47 cm wide x 17 cm thick. This burial has an angular ringwall which starts from the ringwall of Burial 103 and takes a right angle turn before running under the northern section. Its exposed length is 460 cm and stands 58 cm high when measured from the adjacent Burial 131. It consists of six courses of stones of which four are of large size, measuring 49 cm long x 22 cm thick; 46 cm x 27 cm; and (in the upper part) 21 cm x 13 cm. The ringwall varies in thickness between 29 and 35 cm and tapers upwards. Small stones are used to fill spaces in between the courses of stones. It was observed that the ringwall was built in two stages: The lower part consisting of four courses of large stones was associated with the level of the capstone. However, the evidence of infilling was not sufficient to confirm two constructions of the ringwall.

Burial 132

It was located in square D/A7 and consisted of Feature 1. It is represented by the ringwall starting from the ringwall of Burial 131 and disappearing under the northern baulk. Excavation of the area on the inner side of the ringwall to the depth of 35 cm revealed few stones. The ringwall has an exposed length of 204 cm and survives to the maximum height of 87 cm when measured from the grave of Burial 139. It consists of four courses of stones measuring 48 cm long x 25 cm thick; 44 cm x 20 cm; and 22 cm x 14 cm. The thickness of the ringwall varies between 21 and 35 cm. Few stones are used to fill spaces between the courses of stones. The infilled material between the ringwall and the grave consisted of many stones and earth.

Burial 140

This Burial was located in the extreme northwestern part of the Burial Complex in Square D/A7 consisting of Features 5 and 4. Digging was carried out to the depth of 35 cm and few stones of the grave were revealed. The ringwall runs towards northwest from the corner of the ringwall of Burial 139. It has an exposed length of 153 cm and survives up to 55 cm height. It consists of three courses of stone in which there is no infilling of small stones. Its width is between 22 and 29 cm. The deposit inside the ringwall was composed of earth and small stones. The stones used in the ringwall measure 38 cm long x 18 cm thick; 52 cm x 23 cm; and 35 cm x 17 cm.

Burial 153

Situated at the extreme southern end of the Burial Complex, it represents the last Burial number in Area D. It was located in squares D/J1, Features 1 and 2, and D/K1, Feature 1. It

was excavated to the depth of only 21 cm from the existing surface. Except for three stones which appeared near the eastern section, the entire grave is concealed under the baulk. The ringwall is of semi-circular shape and has an exposed length of 300 cm, surviving to the maximum height of 40 cm. It consists of three courses of stones and the width varies between 21 and 31 cm. The stones used measure 28 cm long x 16 cm thick, 24 cm x 12 cm; and 26 cm x 25 cm. The filling inside the ringwall consisted mostly of gravel and sand.

Part — IV

THE ANTIQUITIES

PART — IV

The Antiquities

The materials recovered from the graves consist of, in addition to skeletal remains, ceramics of various shapes and sizes, objects of copper/bronze, steatite (chlorite) vessels and stamp seals, objects of shell including seals, numerous beads of stone and bitumen-lined baskets. Certain ceramic forms, steatite vessels and seals and copper/bronze objects are diagnostic of the Dilmun civilization at its zenith, dating to the end of the third and beginning of the second millennium B. C. The funerary objects from the Sar Burial Complex and tumuli are also comparable with those found previously at this site, from the tumuli excavated at Sar el-Jisr and elsewhere in Bahrain. Moreover, in one of the Tumuli (Burial 150) and one grave (Burial 42) of the Burial Complex certain types of ceramics were found which are characteristic of the Kassite period as known from the City III levels at Qala'at al-Bahrain and dated to c. 1700-1200 BC. With the exception of two Kassite Burials, an overwhelming number of objects, especially pottery and steatite seals and vessels including copper/bronze weapons, compare very well with those assigned to City II levels at Qala'at al-Bahrain or Barbar I — III period (c. 2100 — 1750 B.C).

The presence of an early type of stamp seals in the Burial Complex and also tumuli as discussed below, would suggest an early or at least mid-third millennium B.C. date approximating to the time bracket represented by (the earliest) City I levels of Qala'at al-Bahrain. There are difficulties in relying upon the evidence of early types of seals to the exclusion of associated finds from the Sar Burial Complex. These seals were found not only in the central part but also in the graves located on the western limits of the Burial Complex. Moreover, one seal was found in the Kassite grave (Burial 150). Apparently, the early types of seals were heirlooms which continued to remain in use until the middle of the second millennium B.C. Among the ceramics associated with City I levels, the 'chain ridged' ware was absent at Sar but other forms such as 'red ridged' ware and handmade cylindrical vessels which are assigned to City II levels at Qala'at al-Bahrain or Barbar I-III levels, were present in the Burial Complex. The carved steatite vessels with dot-in-circle motifs or with plain surface which are assigned usually to the end of the third but specially to the beginning of the second millennium B.C. in Bahrain and elsewhere in the Gulf (Cleuziou, 1981) also occur with seals of the later type, representing composite designs originally inspired by the Mesopotamian and Indus seal engravers. Further comments on each category of funerary objects are presented in the following pages.

1. Pottery (Figs. 18, 19 and 21, Pls. XLI, XLII and XLIII, 2, 3 & 6

The number, form and size of pottery found from the Sar Burial Complex are restricted because of their funerary function only. With the exception of the red cylindrical vessels with round or pointed base which are handmade, all the other pottery is wheelmade. The whole ceramic assemblage falls into the following distinct categories.

Red 'Barbar' Ware (Fig. 18 and Pl. XLI, 1, 2, 3 & 5)

It is represented by almost cylindrical vessels of very fine fabric, made of well levigated clay and having a round or somewhat pointed base which was perhaps intended to be supported with earth or pieces of stones around the bottom. It has an almost vertical neck but thickened externally with a raised line or cordon and the upper half of the neck is generally incised with horizontally drawn lines. The external surface of the vessels is rubbed to a smooth finish while the inner side shows uneven surface and finger impressions. The neck at the shoulder is usually thick on the inner side as if the vessel was made in two parts and joined at the neck. These vessels are generally very well fired to different shades of red colour, mostly bright red, and are slipped on the external surface with light red, deep red or a dark colour. Variations in the shape from elongated or almost conical body, to globular shape, can be seen in fig. 18, Nos. 7 & 9.

The red 'Barbar' ware is not frequent in occurrence on the settlement site of Qala' at al-Bahrain (Bibby 1970 63). These vessels appear to have been made specially for burials and, therefore, occur at a number of burial sites in Bahrain namely, Sar el-Jisr (Ibrahim 1982, Figs. 33-35); A'ali (Reade and Burleigh 1978, Plate XXXIIIb, BM No. 130593) and elsewhere at Karzakan, Sakhara and tumuli located east of Malichiya (During Caspers 1980, Fig. 4, C — E and Plates XIV & XV). Their occurrence at the Sar Burial Complex and elsewhere in Bahrain suggests contemporaneity of various sites with Barbar periods I-III and City II levels at Qala' at al-Bahrain. Indeed the red 'Barbar' ware has become a common denominator of the late third and early second millennia B.C. in Bahrain. The site of Al-Hajjar, too, has yielded a number of red 'Barbar' wares in the recent (unpublished) excavations by the Department of Archaeology and Museum to which no specific reference will be made.

'Red Ridged' Ware (Fig. 19, Nos. 3, 12, 14, & 15)

It is characterised by medium and large sized vessels of medium and thick fabric, fired to dull or pale red colour and porous body. Such vessels have either a round bottom or flat base and have a slightly flaring out neck and obliquely cut rim. The external surface shows a series of horizontal ridges made by hand when the pot was still on the wheel. These ridges have been made over a secondary coating of mud applied on the external surface. The entire body from rim to base is generally coated with buff or cream slip.

This type of pottery is reported from City I levels of Qala' at al-Bahrain but becomes most frequent in occurrence during City II levels which are contemporary with Barbar periods I-III. The 'red ridged' ware, in fact, overlaps with another ceramic type called the 'chain red ridged' ware which has prominent bands of clay in relief with finger impressions. The chain red ridged ware is confined essentially to the earliest (City I) levels at Qala' at al-Bahrain which virtually disappears during City II time (Bibby 1970: 139). Identical treatment of the surface can also be seen on red ware vessels of globular shape but without neck and inverted rim, from Diraz (National Museum Bahrain (NMB) No. 21). The red

ridged wares are reported from several other sites in Bahrain. Ibrahim (1982) found two vessels from the Burial Complex, one of which had a representation of a snake in relief (Fig. 37, No. 1). They occur at A'ali (NMB No. 158); Karzakan (During Caspers 1980, Fig. 4, a); Sar el-Jisr (Ibrahim 1982, Fig. 36, Fig. 37, 3-6, and Fig. 38, 6-7); and from Barbar Temple II (NMB, No. 23). A number of red ridged ware pots have been found in recent excavations at Al-Hajjar and also Buri.

Narrow Necked Vases (Fig. 19, Nos. 4 & 7; Pl. XLI, 4; and Pls. XLII, 3 & 5)

A number of narrow necked vases of red colour with globular body and round base and some with wide shoulder and having a distinctive carination in the middle of body or above the base have been found (Fig. 19, No. 4 & 7 & 9). Similar vases of buff ware but with ring base (Pl. XLI, 4) also occur in small numbers. They are all wheelmade and mostly painted with black or red colour on either red or buff slip. The red globular vases with narrow neck and painted with multiple black lines on external surface recall parallels with one found in Mound 404 at Sar el-Jisr (Ibrahim 1982, Fig 38, No. 5). The other pottery type with wide shoulder and carination is usually found in association with the red 'Barbar' wares.

Ring Based Cups and Bowls

This group represents small and large bowls and cups of red, light red and buff wares (Fig. 19, Nos. 5, 6, 8, 10 and 13; Pl. XLII, 1, 2, 4, 6, & 9). All are made of well levigated clay and show a thin body with flared-out rim and a distinctive ring base. Two specimens (Fig. 19, Nos. 5 & 8) are of red colour and painted on the external surface with black on red slip (Fig. 19, Nos. 5 & 8). The other small bowls with flared-out rims are of buff colour and have a distinctive cream slip on both the external and internal surfaces (Pl. XLIII, 1 & 2; and Fig. 19 Nos. 13, and one without ring base, No 10). The buff ware bowls of small size are usually found in pairs. The large sized bowls (Fig. 19, Nos. 6 and Pl. XLII, 9) also occur in pairs but are of a dull red colour and have no painting on the external surface. Such bowls are treated on both sides with light brown or light red wash.

Deep bowls without a disc, ring or flat base, and having a convex bottom also occur but are rare (Fig. 19, No. 11) in association with 'Barbar' red wares or red ridged wares.

Plain Miniature Vases

Small globular, pear-shaped or wide shouldered vases with flat, round base or pedestal base occur in both the Burial Complex and tumuli (Fig. 21; Pl. XLII, 7 & 8 and Pl. XLIII, 2, 3 & 6). Such vases have been found either in pairs or singly placed mostly in the alcoves or near the mouth. They are all wheelmade but some specimens are lopsided as if carelessly manufactured. Their bodies show different shades of red colour and do not seem to have been very well fired. Their external surface is generally treated with light red or brown wash or with cream buff slip. The specimens illustrated on Fig. 21 show variations in their shapes such as globular (Nos. 3, 6, 7, 10, 12, & 13); with flat base (Nos. 1, 2, 4, 5, 7, 8, 11, & 14); ring base (No. 13); and pedestal base (No. 10). Their necks are vertical (Nos. 5, 6 & 8) or convex with flared out rim (Nos. 1, 4, 7 & 10). Similar vases have already been found from Areas A, B and C of the Burial Complex (Ibrahim, 1982, Fig. 39, No. 1; Fig. 40, Nos. 1-10 and Fig. 41, Nos. 4-6, 12 & 15) and defined as 'apple' and 'pear' shaped globular vessels. One with carinated neck (Fig. 21, No. 1, this publication) has parallels with that of Umm Jidr (Cleuziou *et al*, 1981, Fig. 14, No. 2).

Painted Pottery

As compared to the plain wares, painted pottery was found in very limited numbers. The painted designs are simple and include groups of horizontally drawn lines in black or red

on red slip or with red on buff slip on the shoulder, neck or lower part of the small vessels (Fig. 19, Nos. 1, 4, 5 & 7; and Pl. XLII, 3-5). One specimen of a large vessel shows a rare animal design, representing either sheep or goat, painted in chocolate colour on buff slip (Fig. 19, No. 2; and Pl. XL1, 6). Elaborate geometric or linear designs as reported from other cemeteries have not been found in Area D but one footed chalice of red ware and painted on the external surface with geometric designs was found in Area C during recent digging which would recall parallels with those found at A'ali (Bibby, 1970, Pl. XVI a) and Sar el-Jisr (Ibrahim 1982, Fig. 38, Nos. 1, 2, & 3).

Kassite Wares

The Kassite pottery is distinctive by its fabric and shapes. The vessels found from a grave of the Burial Complex (Burial 42) and another in the tumuli (Burial 150) compare very well with those from other sites in Bahrain. The Kassite ware consists of two principal shapes; elongated or pear-shaped vessels with flared-out rim, and goblets of tall and cylindrical shape with ring base. It is often associated with bowls which have flaring sides and a disc or ring base. It is all wheelmade and shows either buff or pale colour of the body and is treated of the external surface with buff or cream slip. The external surface, if decorated, contains multiple incised lines drawn horizontally on the shoulder or upper part of the body. The internal surface generally shows deep grooves made with the fingers whilst being made on a fast wheel. The specimens of Kassite pottery from the Sar Burial Complex (coming from only two Burials, 42 & 150) are pear-shaped vessels (Fig. 21, Nos. 3, 5 & 7 and Pl. XLIII, 1) and bowls (Pl. XLIII, 4 & 5). The Kassite wares are already known from the burial mounds for example, at A' ali (Bibby 1970, Pl. 16b), Buri (Hapgood 1982) and also from Al-Hajjar (unpublished).

2. Stamp Seals (Pls. XLV - XLIX; Figs. 22 & 23)

Twenty-two stamp seals of steatite (chlorite) and other stones and four of shell were found of which twenty stone seals and two of shell are illustrated and discussed. The remaining two examples of shell are made of the sawn-off apex of the shell showing the natural volute design and may not have been used as seals but as items of ornament.

Most of the collection consists of circular seals with a button boss which is generally incised with the loop perforation across the boss. A variety of human, animal and other designs are carved on the obverse side. These seals are popularly expressed as of 'Dilmun' type. The representation of motifs or subjects, workmanship and physical form have been the basis to date for their broad classification into 'early' and 'late' Dilmun seals which are thought to have been made locally but betray influences to some certain extent from the Indus and Mesopotamian art motifs (Bibby 1958; Porada 1971 & Kjaerum 1980). The existing classification will have to be refined or enlarged when or if most of the unpublished seals found at numerous excavated sites in Bahrain are made available for critical study through publication or otherwise. At present seals with human representations and incised button back are grouped as 'late' while those without human figures but generally showing animals and other symbols and without well defined button backs are thought to be 'early' seals.

In the light of this broad classification, both 'early' and 'late' types of stamp seals were found in the Burial Complex. They are distributed among the graves in such a way as to reflect persistence of 'early' seals as heirlooms. Both the types are found with those ceramics, steatite vessels and metal types which are characteristic of the Barbar I-III period and fall within the time range of City II levels at Qala'at al-Bahrain, otherwise dated in Mesopotamian terms to Ur III-Old Babylonian times (c. 2100-1750 B.C.) One 'early' type of seal (Pl. XLV, 5) was found in a tumulus (Burial 150A) containing pottery of the Kassite period. Five

other seals of 'early' type (Pls. XLV, 1-4 & XLVIII, 4) came from the central and peripheral areas of the Burial Complex (from Burials 3, 23, 69, 59 & 139) in association with red 'Barbar' and red ridged (but not chain ridged) wares and where 'late' type of Dilmun seals were also present. It follows that the occurrence of early type of seals alone cannot push the date of the Sar Burial Complex to the early third millennium B.C. because the associated evidence overwhelmingly belongs to c. 2000 B.C and later. Six early types of seals may have their origin in the early third millennium B.C. (Potts 1978) but are not useful as chronological indicators, at least at this particular site, other than demonstrating certain distinctive morphological features and style of representational art. Comparable examples assigned to City I levels of Qala'at al-Bahrain and collections from other sites were not available for study to the present author.

The 'early' types of seals are marked by a convex, conical or knob-like back. They are perforated across the back from two opposite sides making a loop similar to the method used to drill through the 'late' seals. The perforation is not necessarily in the middle.¹⁴ Incised strokes or lines occur around the edge (Pl. XLV, 2b & 3b) but the surface is generally left plain. One example (XLV, 4) which seems to have broken on the back (reverse) side in antiquity was rubbed to form a disc and then re-perforated across its thickness near the rim to wear it as a pendant.¹⁵ Among the motifs, the rendering of animals is both naturalistic (Pl. XLV, 3) and crude and even exaggerated (Pl. XLV, 2, 4 & 5) and symbolic (Pl. XLVIII, 4). A fish (Pl. XLV, 1), human foot, sun or moon (Pl. XLV, 5) tree (Pl. XLV, 4) and zigzag design symbolizing water are depicted. Representation of two animals near the margins with simple lines of almost even thickness flanking what appears to be a human figure (Pl. XLVIII, 4) is comparable with one 'early' seal reported previously from Area B of the Burial Complex (Ibrahim 1982, Fig. 49. No. 3). The treatment of the animal motif on both the seals is very much like the one Bibby found at Qala'at al-Bahrain (National Museum No. 318) from City levels I-II, otherwise called "Early Barbar".

The so-called "Early Barbar" seals (NMB Nos. 314-322) from Qala'at al-Bahrain are characterized by the button boss similar to the 'late' or "Dilmun" seals with a single instead of three incised lines running across the perforation. Moreover, human figures are reportedly rare on the "Early Barbar" seals and if present, lack sophistication and elaboration of those emphasized on the 'late' ("Dilmun") seals. One such seal comes from Burial 53 at Sar (Pl. XLVIII, 1). It depicts animal figures in naturalistic style except the eyes which are emphasized with a disproportionately large circle and dot resembling the treatment of eyes in the 'late' type of seals. This seal showing a single incised line across the button boss and only animals with a sun motif could very well represent an intermediate stage in the development of Dilmun seals. Comparable examples come from early levels of Qala'at al-Bahrain (National Museum No. 319). It seems to be the beginning of standardization in the development of seal production, coinciding with Dilmun's increased commercial contacts with the Mesopotamian and the Indus Civilizations in particular as reflected in the design repertoire of the later seals. Their exact dating hinges on that of City I and II at Qala'at al-Bahrain, which is itself not precise. The present author is inclined to agree with Daniel Potts (1978) whose review of the available evidence would place the last levels of City I into Akkadian date from where the so-called "Early Barbar" seals are reported to have been found. Six seals from Sar show different, if not early or earliest styles (Pls. XLV, 1-5; and XLVIII, 4). If this group belongs to an earlier period, it is difficult to assign a precise date to it because of its association with such materials which are of a decidedly later date at this site and to which period belong the 'late' Dilmun type of seals.

The remaining thirteen stone seals belong to the late group which in form, style and scenes compare with those generally assigned to the first quarter of the second millennium B.C. A group of three incised lines runs across the perforated button boss and one dot-in-circle motif is placed at each corner (Pls. XLVI, XLVII, XLVIII, 2 & 3 and XLIV, 1 & 2).

The most conspicuous element in this group of seals is the central position of the human figure in relation to animals (Pls. XLVI, 1 & 3; XLVII, 1-4; and XLIX, 1; Figs 22, nos. 2-4 and Fig 23, nos. 3 & 5). The human figure is surrounded by gazelles or oryxes and is shown either seated or standing on a gridded square or not wearing a flounced skirt down to the ankles resembling a reed design, and with arms extending to the animals. The human figure is also generally shown with a beard and wearing a headdress with pointed end or horns resembling a crescent (Pl. XLVII, 1 & 2). The animals are poised in such a manner as if looking at or kneeling to the human figure. The bull is shown in motion at the lower field of such seals (Pl. XLVI, 3 & XLVII, 2; Fig. 22, no. 2 & Fig. 23, no. 3). On one example (Pl. XLVII, 4), a human figure standing on a gridded square is shown holding a rod which has a knobbed end. It may be a musical instrument.¹⁶ The eyes of all the animals are shown by a large circle with a dot in the middle.

The lion is depicted on two seals attacking the human figures (Pl. XLVI, 2 & Fig. 23, no. 2; Pl. XLVII, 3 'Fig. 22, no. 1).¹⁷ The human figures are wearing plain skirts to the knees. The central position of an animal flanked by two human figures is also shown (Pl. XLVI, 4). The male and female figures are distinguishable by their dress (Pl. XLVI, 5 & XLIX, 2). The fish design is shown below a kneeling human figure with one arm extending to a gazelle and in the other hand holding what appears to be a shield (Pls. XLIX, 1). A similar combination of fish below the shield motif has been found on one seal from Qala'at al-Bahrain (National Museum No. 341). It is very likely that symbols such as shields depict copper ingots which were shaped as such resembling the stretched hide of an animal, during the Bronze Age in the Mediterranean especially at Cyprus and Crete and were used as international Bronze Age currency (Fell 1977 & 1980).¹⁸ Some seals from Failaka also bear an almost similar motif.¹⁹

There is an unusual motif showing two animals with crossed necks and standing on hind legs and flanked by two human figures (Pl. XLVIII, s; Fig. 23, No. 1). The whole design is naturalistic and reflects a mastery of engraver's art.

The "drinking scene" (Pl. XLVIII, 3) is shown on only one seal. It shows two human figures drinking from one pot with long tubes. A star is depicted in the middle near the upper margin. Variant forms of similar scenes occur at Failaka in contexts that equate with City III of Qala'at al-Bahrain and with the Kassite assemblage dated approximately between 1700 and 1200 B.C.²⁰ The seals showing drinking scenes are also dated to circa 1923 B.C as discussed by Porada (1971a).

Among two shell seals (Pl. XLIX, 3 & 4), one shows a flat boss perforated across, and on the obverse, three animals are engraved around the central volute design. The other seal shows twelve (zodiac?) strokes on the outer edge.

3. Steatite Vessels (Pls. L & LI, and Figs. 24 & 25)

With the exception of two specimens, steatite (chlorite) vessels from the Sar Burial complex consist of bowls and cups only. They are either plain or decorated on the external surface with dot-in-circle design. Elaborate carvings on the external surface as found in Saudi Arabia (Tarut), Iran (Tepe Yahya, Susa and Dasht-i-Lut), Pakistan (Mohenjodaro), at several Mesopotamian sites and elsewhere in the ancient Near East which are grouped under Intercultural Style (Kohl 1975) are absent from Bahrain. The steatite/chlorite vessels of Intercultural Style belong essentially to the most part of the third millennium B.C. and have been the subject of many a discussion by several scholars over the past half century.

Steatite vessels have been found in nineteen graves of the Sar Burial Complex. In six graves, the vessels were found in association with stamp seals of Dilmun type and red

'Barbar' wares. In form and decorative style the steatite vessels from Sar are comparable with those of the second millennium B.C. as reported from other sites of the Gulf region (Cleuziou 1981).

The steatite vessels were previously found in other parts of this site (Ibrahim 1982, Fig. 45). Identical vessels are also reported from the contemporary site of Al-Hajjar (BNM No. 162 cf. Pl. XLIV, 4, this publication) and also during the 1980-81 excavation season.

The steatite vessels with plain surface (Pl. L, 2 & 5, cf. Fig. 25, Nos. 1 & 2) represent cups and bowls with a vertical or slightly convex profile and flat base. The external surface is entirely plain or has a single incised line running horizontally below the rim. Another undecorated specimen (Pl. LI, 8 and Fig. 25, No. 3) has tapering sides and a narrow mouth with slightly convex base. In addition to the examples described above, globular vessels of thick body with round base and plain surface are also present (Fig. 25, No. 5).

Incised decoration on the external surface of steatite vessels is restricted to simple horizontally drawn lines and dot within single or double circle. Intricacy and elaboration in carving and rich variety as seen in incising animal, plant and human motifs on the steatite vessels of the third millennium B.C. which are otherwise grouped under Intercultural Style, are completely absent at Sar.

The dot-in-circle design occurs mostly on incurved bowls and cups. This design is mostly confined to the upper part of the vessel below the rim and is bordered by a single incised line (Pl. L, 4 & 5; and Pl. LI, 1, 2, 4, 5, & 6; and Fig. 24, Nos. 2-6). The entire surface of the vessel is also covered with dot-in-circle motif (Pl. L, 3 and Pl. LI, 6; and Fig. 24, No. 7 and Fig. 25, No. 4). Two examples show groups of four and nine dot-in-circle motifs on the external surface (Pl. LI, 6 and Fig. 24 Nos. 1 & 7). There appears to be a general preference to decorate the external surface of those steatite cups and bowls which have an incurved profile. This form is not repeated in the plain vessels available from this site. However, cups with concave profile and carination at the convex base have both plain and decorated surfaces (Fig. 25, No. 4 and Pl. L, 3 and Pl. LI, 7).

One lid with a broken knob was found (Pl. L, 1; and Fig. 25, No. 7) but any vessel to match its size was not found. Spouted vessels, of which only one example was found (Pl. LI, 3) is decorated with dot-in-circle design at the upper edge (cf. BNM No. 161 from Isa Town). An almost square disc (Pl. LI, 9) with borders cut at a right angle was found which shows a smooth external surface but its exact function could not be determined.

Vessels with vertically pierced lugs (Pl. LI, 2; and Fig. 24, No. 1) were found showing incised dot-in-circle design (cf. Cleuziou 1981, Fig. 9). In form and decorative style, the vessel with vertically pierced lugs is comparable to other examples found in other parts of this site.

A cup with concave sides and convex base and with sharp carination at the base was found. It was originally compartmented but the partition was removed in antiquity (Pl. LI, 7; and Fig. 25, No. 6). An exactly similar cup but without partition is also available from Sar (Fig. 25, No. 4) which is decorated on the external surface with dot-in-circle design. A rectangular compartmented steatite vessel was found earlier in Area C at Sar (Ibrahim 1982, Fig. 25, No. 3) which is decorated on four sides with dot-in-circle motif. Vessels similar in shape and decoration are also found in the graves at Al-Hajjar which are ascribed to the Barbar period.

Among the steatite vessels two specimens were found from the tumuli (Pl. L, 2 & 4). The remaining examples come from the graves of the Burial Complex.

4. Objects of Copper/Bronze (Pls. LII & LIII; Figs. 26 & 27)

The inventory of copper/bronze objects is not extensive. The available collection consists of weapons, such as spearheads, daggers and knives; personal ornaments, such as finger and earrings bracelets and pins including antimony rods, and a few objects of household use, for example, needles and knives. The objects are still awaiting proper cleaning and chemical treatment. The properties of metal have not yet been analysed and therefore at present, it is not possible to determine the exact number of copper and/or bronze objects. Their existing condition also does not help to ascertain whether any number of these objects were cast or cold hammered. It is hoped that in future, metallurgical study of the copper/bronze objects from Bahrain will provide information on the sources of metal and technique of manufacture of different categories of objects.

Among the weapons, socketed spearheads (Fig. 26, 1-4 and Pl. LIII, 1-3) were found from seven graves. The blade is strengthened with a prominent rib in the middle and there are surface indications that the hollow socket was attached to the blade, suggesting that the spearheads were made of two separate parts. Spearheads identical in shape are also reported from the same site (Ibrahim 1982, Fig. 47, Nos. 1-3). One complete dagger was found lying over a red Barbar vessel in an alcove (Fig. 27, No. 2 and Pl. LII, 4). It is also made of two parts; the blade without rib and a tang which are joined together. Another specimen which is grouped under 'spearhead' because of its central rib (Figs. 27, No. 1; Pl. LII, 5) also shows a tang attached to the blade separately. Similar pieces of blades with a central rib (Pl. LII, 1 & 2) were also found (cf. Ibrahim 1982, Fig. 47, Nos. 5 & 6). The knives are recognized by the difference in the thickness of edges and a tang provided along the thick side (Fig 26, Nos. 5 & 6 and Pl. LII, 3). Other fragments which could be of knives or daggers show a rounded end and flattened or triangular sections.

The range of personal ornaments or jewellery items is not large. They consist of finger and earrings, bracelets and pins. The fingerings are generally made of coiled wire but the earrings are thick in the middle and pointed or thin at the two ends. The illustrated examples (Fig. 27, Nos. 8, 9 and 11-17 and Pl. LIII, 8-15) are among those which were found in good condition but numerous pieces of wire were also found in the graves. The study of skeletal material should provide us with information as to whether the fingerings were used by the females only or whether they were popular among menfolk too. A total of twenty-two graves have yielded finger and earrings. Antimony rods and needles were found in seven graves. The antimony rods are square in section in the middle and spherical at both ends (Fig. 27, No. 7). A needle with one end perforated is square in section (Fig. 27, No. 3 and Pl. LIII, 6).

In addition to the copper/bronze objects found in the various graves, pieces of this metal of unrecognizable shape were recorded from twelve graves.

A pair of bracelets along with other items of jewellery were found in Burial 151B (Fig. 27, No. 10 and Pl. LIII, 4). Both are made of copper and are open ended. Other decorative details are not recognizable because of thick rust on the surface.

5. Beads (Figs. 28 & 29)

Beads of different shapes and kinds of stone, including agate, carnelian and paste were found in twenty-four graves. The stone most commonly used for beads is agate of a light pinkish and whitish colour. There is no evidence of their local manufacture. The most recurrent shapes are biconvex, long beads (Fig. 28, Nos. 2, 4, 5, 8, 11, 14, 16, 17, 19, and 20 and Fig. 29, Nos. 1, 4, & 1); short biconvex (Fig. 28, Nos. 10, 23, 24, & 26 and Fig. 29, Nos. 2, 8, 10 and 11 —; and biconical, long beads (Fig. 28, Nos. 1, 7 & 25). The other beads are disc

shaped (Fig. 28, Nos. 3, 6, 12, 13, 15 18 & 27 and Fig. 29, Nos. 13, 16, 19 & 22). A few are long cylindrical shaped (Fig. 28, Nos. 21 and Fig. 29, Nos. 3, 6, 9, 15, 20, 23 and 24). It seems that beads were used not only for necklaces but also for making bracelets. Burial 151B revealed eleven small cylindrical beads of carnelian near the wrist of a female skeleton. Etched carnelian beads were not found in the excavations at this site.

6. Objects of Shell (Pl LIV)

In addition to numerous shells of bivalve and other kinds found in thirty-five graves, a number of circular objects shaped like stamp seals with natural volute design, pendants; discs, beads, ear stud and stamp seals come from the Burial Complex and tumuli. The specimens showing a natural volute design in the centre and animals or linear designs are made of the sawn off apex of shells. It seems that those having only natural volute designs may not necessarily be seals because there is no perforation across their back. One of the specimens (SR 67) found in Burial 134 contained a piece of copper/bronze wire fixed inside the volute design. It is possible that most, if not all, of such objects with a natural volute design were not used as stamp seals but as ornaments such as ear studs or pendants. Circular seals with natural volute designs are reported from Umm Jidr (Cleuziou *et al* 1981, Fig. 15, Nos. 1 & 2) at which site a specimen (*Ibid.*, No. 3) shows a perforation across its back. Small discs (SR 40), beads (SR 115), and pendant(s) (SR 69) occur in association with the natural sea shells of the bivalve kind.

Two seals of shell show carvings of specific designs which are not found on the steatite seals. For example, one seal (Pl. XLIX, 3) has twelve short incisions around the outer edge. The other seal shows three animals carved around the outer edge and has a flat perforated boss at the back (Pl. XLIX, 4). The seals or studs with a natural volute design and those showing specific motifs are found in the central as well as near the limit of the site in association with red 'Barbar' ware of cylindrical shape. It is evident that the shell seals and those of steatite of late Dilmun type were contemporary with each other and there is nothing to suggest chronological priority of the shell seals over the steatite seals or vice versa.

7. Bitumen-Lined Baskets (Pl. XXV)

Fragments of baskets with bitumen lining showing a plain external surface and woven patterns of baskets were found in thirty-one graves of the Burial Complex (Table 6). None was complete to indicate the original shape and also it has not been possible to restore any specimen up until the time of writing. The baskets, coated on the inner side with bitumen, have apparently disappeared and only their thin lining at the lower part of the baskets has survived in the graves (Pl. XXVA & B). They are mostly squarish or circular at the base and the walls are almost vertical. Information on the shape of the rim is not available. The diameter of the baskets varies between 10 and 18 cm. Nothing of significance was found inside the bitumen-lined baskets and it seems that these were intended to contain some liquid which was placed with other funerary objects.

PART — V

APPENDICES

APPENDIX — A

**CATALOGUE OF ANTIQUITIES
AND SELECTED POTTERY**

CATALOGUE OF ANTIQUITIES AND SELECTED POTTERY*

SR 1

A small sea shell with an irregular perforation. Complete.
(Burial 107). This shell is of the Neritidae family.**
(L. 1.9 cm W. 1.5 cm Ht. 1.1 cm)

SR 2

A ring of bronze wire. Broken and rusted.
(Burial 107)
Max. dia of wire 0.4 cm

SR 3

Fragments of a vertical neck with an out-turned externally thickened rim of red ware, of medium thickness, wheel made, well-fired and buff slipped on both sides. Horizontally parallel bands are painted externally with brown/chocolate colour.
(from filling of Square D/14)

SR 4

A short cylindrical bead of stone (agate?), light brown and white in colour. Complete.
(Burial 139)
Dia. 0.6 cm L. 0.4 cm

SR 5

A long cylindrical bead of stone (agate?), light brown in colour. Broken.
(Burial 102)
L. 1.2 cm Thickness 0.6 cm Dia. 0.4 cm

SR 6

Small pieces of bronze. Rusted.
(Burial 102)

SR 7

A spherical vessel of steatite having four vertically perforated lugs, flat base and slightly broken rim. Below the rim it is decorated with incised dot-in-double circle design bordered by a single line below. Broken in antiquity.
(Burial 131)

SR 8

A fragment of a bronze dagger or spearhead with a mid rib.
Broken and rusted.
(Burial 16)
L. 5.9 cm W. 2.1 cm

* Compiled by Naseem Haider and revised by the author.

** Thanks to Mr. Hashim Al Said, Marine Biologist for very kindly identifying the shells illustrated on Pl. LIV.

SR 9

A pair of earrings of bronze, made of wire, round in section.
(Burial 3)

External dia. (i) 2.3 cm (ii) 2.5 cm

SR 10

A long biconvex bead of stone (banded agate?), light brown in colour. Complete.
(Burial 58)

L. 1 cm Thickness 0.6 cm Dia. 0.4 cm

SR 11

A Compartmented cup of steatite, with flat base, concave sides (profile) and featureless rim. The partition wall dividing the cup into two parts has been removed in antiquity.

(Burial 3)

Ht. 4.1 cm Dia. at base 5.3 cm Dia. of body 4.5 cm

SR 12

A small vase of pale red ware, of medium thickness, sides and base flaked off, high neck and slightly thickened rim. Wheel made. Surface badly damaged in antiquity.

(Burial 63A)

Ht. 8.8 cm Max. dia. of rim 4.8 cm

SR 13

A miniature vase of light red ware, plain surface, of medium thickness, spherical in shape, flat base, long vertical neck with slightly out-turned rim and carination below the neck. External surface is treated with light reddish wash. Wheel made and well-fired. One half broken in antiquity.

(Burial 3)

Dia 6.9 cm Ht. 7.3 cm

SR 14

A short spherical bead of stone (agate?), light brown in colour. Complete.
(Burial 107)

Dia 0.7 cm Thickness 0.6 cm

SR 15

A short biconical bead of stone (agate?), light brown in colour. Complete.
(Burial 59)

Dia 0.6 cm W. 0.3 cm

SR 16

A bronze spearhead with mid-rib in the blade, socketed.
Complete but rusted.

(Burial 3)

L. 11.8 cm Max. W. of blade 3.4 cm Max. dia of socket 2.1 cm

SR 17

An elongated 'Barbar' jar of red ware, of medium thickness, rounded base, straight collared neck and flattened rim. Handmade, well-fired and red slipped. Badly damaged in antiquity.
(Burial 106)

Max. Ht. 22.5 cm Dia. of rim 8.7 cm

SR 18

A fragment of a knife blade of bronze with a rounded end. Rusted and restored.
(Burial 131)

L. 8.6 cm W. 1.8 cm Thickness 0.4 cm

SR 19

A bowl of steatite with convex sides and flat base. A row of dot-in-double circle design is incised below the rim externally. Restored.

(Burial 19)

Dia. of rim 7.3 cm Ht. 5.8 cm

SR 20

Fragmentary bitumen-lined basket.

(Burial 19)

External dia. 13.2 cm

SR 21

Twenty four small shells of light pink colour.

The shells are of the Veneridae family.

(Burial 19)

SR 22

Pieces of bronze. Unidentified. Rusted.

(Burial 7)

SR 23

Pieces of a bronze nail (antimony rod?), pointed at one end and square in section. Broken in antiquity.

(Burial 19)

L 3.7 cm Max. thickness 0.6 cm

SR 24

Two pieces of a bronze object. Rusted.

(Burial 63)

(i) L. 3.7 cm W. 1.4 cm Thickness 0.9 cm

(ii) L. 2.1 cm W. 1.3 cm Thickness 0.3 cm

SR 25

An earring of bronze. Thick in the middle part and pointed at ends. Spherical in section. Rusted and complete.

(Burial 19)

External dia. 2 cm Max. thickness 0.5 cm

SR 26

Small pieces of bronze finger rings, made of wire. Rusted.

(Burial 56)

External dia. of one large piece 2.3 cm

SR 27

A piece of bronze blade, with perforation on tanged end.

Rusted and broken in antiquity.

(Burial 69A)

Max. L. 4.3 cm Max. W. 4.1 cm Max. thickness 0.4 cm

SR 28

Two miniature vases of pale red ware, of medium thickness, flat base, straight neck and plain rim. Wheelmade and poorly fired. Traces of light brown slip on external surface. Body flaking off.

(Burial 100)

Dia. of rim 4.7 cm Max. W. 8.00 cm Ht . 9.3 cm

SR 29

Two sea shells. Complete.

(Burial 100)

(i) L. 2.2 cm W. 2.7 cm

(ii) L. 2.1 cm W. 2.5 cm

SR 30

A short truncated biconical bead of stone (agate?), of light brown colour. Complete.

(Burial 56)

Dia. 1 cm Thickness 0.5. cm

SR 31

Three pieces of copper (?) Rusted.

(Burial 64)

(i) L. 2.6 cm W. 0.9 cm Thickness 0.5 cm

(ii) L. 1.5 cm W. 0.7 cm Thickness 0.6 cm

(iii) L. 1.8 cm W. 0.6 cm Thickness 0.5 cm

SR 32

A jar of dull-red ware, of medium thickness, with pedestal base, globular body, and flaring rim. Wheel made, well-fired and cream slipped. Restored mostly.

(Burial 150)

External dia. of rim 7.1 cm W. 9.2 cm Ht. 11.00 cm

Dia. of base 4.2 cm

SR 33

A disc biconvex bead of stone, brownish in colour. Complete.

(Burial 56)

Dia 0.7 cm W. 0.3 cm

SR 34

A small cylindrical biconvex bead of faience of light green colour. Complete.

(Burial 37)

L. 0.6 cm Dia. 0.5 cm

SR 35

A fragment of a knife blade of bronze. Rusted.

(Burial 37)

L. 2.7 cm W. 1.7 to 2.6 cm Thickness 0.3 cm

SR 36

A small couch shell with spotted surface.

(Burial 37)

L. 2.9 cm W. 2.2 cm

It is Strombus Decorus

SR 37

A shell pendant with natural grooves.

(Burial 37)

W. 1.8 cm Thickness 0.4 cm

SR 38

A steatite bowl with a flat base, straight vertical sides and featureless rim. Broken into two pieces in antiquity but restored.

(Burial 56)

Dia. of rim 10.7 cm W. 10.7 cm Ht. 7.1 cm

SR 39

A small ring of bronze wire, rectangular in section. Rusted.

(Burial 137)

Dia. 1 cm Thickness 0.3 cm

SR 40

A disc of shell, perforated.

(Burial 56)

Dia. 2.2 cm Thickness 0.3 cm

SR 41

Upper section of a small couch shell with a hole, probably used as a pendant or bead.

(Burial 100)

Max. W. 1.5 cm Max. Thickness 0.4 cm

SR 42

An earring of bronze wire, circular in section. Rusted.

(Burial 137)

Dia. 2.3 cm Max. thickness 0.4 cm

SR 43

A fragment of antimony rod, square in section and pointed at one end. Rusted.

(Burial 62)

L. 3.8 cm Thickness 0.6 cm

SR 44

Pieces of antimony stone found enclosed within two sea shells.

(Burial 100)

SR 45

A piece of rod of bronze circular in section. Rusted.

(Burial 136)

Max. L. 3.00 cm Max. thickness 0.4 cm

SR 46

A cylindrical 'Barbar' jar of bright red ware with round pointed base, fine fabric, straight neck and externally thickened, sharpened and grooved rim, carinated shoulder, handmade, well-fired and treated with light reddish wash. Restored.

(Burial 105)

Dia. of rim 10.1 cm W. of body 13.4 cm Ht. 20.5 cm

SR 47

A bronze spearhead with a mid-rib in the blade and pointed tang. Rusted. Blade broken.
(Burial 16A)

L. 13.5 cm Max. W. of blade 3.4 cm

SR 48

A long cylindrical bead of stone, pinkish-white in colour. Broken.
(Burial 23)

L. 1.1 cm Dia. 0.8 cm

SR 49

A miniature bowl of steatite with convex base and slightly inturned sides. On external surface a row of dot-in-circle is incised below the rim without border. Restored and complete. (Burial 126)

External dia. of rim 5.8 cm Body width 6.5 cm Ht. 3.6 cm

SR 50

A finger ring of bronze sheet, flat in section. Complete but rusted.
(Burial 14)

Dia. 2.2 cm W. 0.7 cm Max. thickness 0.2 cm

SR 51

Pieces of two finger rings of bronze wire, round in section. Rusted.
(Burial 14)

(i) External dia. 2.6 cm Thickness 0.6 cm

(ii) Thickness 0.3 cm

SR 52

Pieces of coiled bangle (?) of bronze. Plano-convex in section. Rusted.
(Burial 69)

Max. L. 1.6 cm Thickness 0.6 cm

SR 53

A spearhead of bronze, socketed, with a mid-rib in the blade.
Complete but rusted.

(Burial 54)

L. 10.8 cm Max. W. of blade 2.7 cm External dia. of socket 1.9 cm Min. W. of blade 1 cm

SR 54

A pear-shaped vase of plain red ware, of medium thickness, with a flat base, elongated neck and flaring rim. Wheel made and well-fired. Complete.

(Burial 149A)

Dia. of the rim 5.7 cm W. 8.5 cm Ht 9.4 cm

SR 55

Small pieces of bronze wire of different thickness and size. Rusted.
(Burial 35)

SR 56

A cylindrical 'Barbar' round-bottomed jar of red ware with carinated short neck and externally thickened and ribbed rim. Well-fired and slipped in dark brown colour both internally and externally. Restored. Handmade.

(Burial 145)

Dia. of rim 9.00 cm W. 9.5 cm Ht. 11.7 cm

SR 57

Antimony rod of bronze, pointed at both ends but square sectioned in the middle. Broken at one end. Rusted.

(Burial 133)

L. 9.8 cm Thickness 0.5 cm

SR 58

A fragment of steatite bowl, flat based and convex profile. Two (of possibly four) vertically pierced lugs survive externally. Below the rim a row of dot-in double circle design is incised, bordered by a line below. A wide register on the external surface shows groups of four dot-in-circle motif placed between the lugs.

(Burial 135)

Ht. 4.1 cm

SR 59

A miniature vessel of steatite with flat base and tapering profile. Plain exterior. Bottom broken in antiquity.

(Burial 14)

Dia. of rim 4.5 cm Dia. of base 7 cm Ht. 6.7 cm

SR 60

A spearhead of bronze, socketed, with a mid-rib in the blade. The end of the socket is damaged slightly. Rusted.

(Burial 68)

L. 14.2 cm Max. W. of the blade 3 cm

SR 61

Pieces of thin bronze sheet. Rusted.

(Burial 55)

SR 62

Pieces of two finger rings of bronze wire. Rusted.

(Burial 134)

SR 63

A tiny long biconvex bead of stone (agate?), opaque in colour. Complete.

(Burial 134)

L. 0.4 cm Dia. 0.3 cm

SR 64

Pieces of bronze. Shape not recognisable. Rusted.

(Burial 134)

SR 65

A piece of knife-blade of bronze. Rusted.

(Burial 26)

L. 4.3 cm Max. W. 2.1 cm

SR 66

Two sea (couch) shells, with light brown spots on external surface. Complete.

(Burial 134)

L. 2.3 cm and 2.2 cm

SR 67

A seal (or ear-stud?) of a couch shell with infilling of bronze wire in its natural volutes.

(Burial 134)

Dia. 2.2 cm Thickness 1 cm

SR 68

A vase of dull-red ware, of medium thickness, flat based, globular sides, straight neck and slightly flaring rim. Wheel made and well-fired.

(Burial 32)

Dia. of rim 7.1 cm W. 10.4 cm Ht. 10.00 cm

SR 69

An upper part of (couch) shell showing volute design on inner side, light pink in colour.

Probably used as pendant.

(Burial 118)

Dia. 2 cm

SR 70

A diamond shaped lenticular, biconical bead of stone, light brown and whitish in colour.

Broken at both ends.

(Burial 93)

L. 1.4 cm W. 1.3 cm

SR 71

A long biconical bead of stone, pinkish-white in colour. Complete.

(Burial 93)

L. 1.3 cm Dia. 0.9 cm

SR 72

A short biconvex bead of stone. Brownish-white in colour. Complete.

(Burial 93)

L. 0.5 cm Dia. 0.7 cm

SR 73

Pieces of earring of bronze, made of wire, flat in section. Rusted.

(Burial 32)

Thickness 0.2 cm

SR 74

A long needle of bronze with a perforated loop at one end. Circular in section and pointed end. Rusted.

(Burial 32)

L. 12.1 cm Thickness 0.5 cm

SR 75

A long biconvex opaque bead of stone. Broken at one end.

(Burial 66)

L. 1.5 cm Dia. 0.7 cm

SR 76

A disc bead of white stone. Complete.

(Burial 66)

Dia. 0.7 cm W. 0.3 cm

SR 77

A disc biconvex bead of stone, light brown in colour. Complete.

(Burial 93)

Dia. 0.6 cm W. 0.3 cm

SR 78

A short biconvex bead of stone. Brownish-white in colour. Complete.

(Burial 93)

L. 8.6 cm Dia. 0.7 cm

SR 79

A long biconvex bead of stone (possibly banded agate).

Light brown and white in colour. Complete.

(Burial 93)

L. 0.7 cm Dia. 0.6 cm

SR 80

A Short biconvex bead of stone (banded agate?). Brownish-white in colour. Complete.

(Burial 93)

L. 0.6 cm Dia. 0.6 cm

SR 81

A miniature cup of pale-red ware, sagger base, sides rounded towards the base and straight featureless rim. Wheel made and fired. Damaged at the rim and sides.

(Burial 117A)

Dia. of rim 5.7 cm W. 6.7 cm Ht. 5.5 cm

SR 82

A miniature vase of light red ware with flat base, tapering neck and featureless rim. Wheel made. Treated on the external surface with distinctive cream slip.

(Burial 116A)

Dia. of rim 5.4 cm W. 9 cm Ht. 7.7 cm

SR 83

Pieces of bronze sheet. Rusted.

(Burial 32)

SR 84

Lower part of a pale red ware vase with disc base, painted with red on light red slip.

(Burial 116)

Dia. of base 3.6 cm

SR 85

A painted miniature red ware vase having a sagger base, carinated sides and wide shoulder, narrow neck and externally thickened and sharpened rim. Wheel made and well-fired. The rim and the upper part of body are painted with multiple red lines drawn horizontally. Complete.

(Burial 116B)

Dia. of rim 3.6 cm W. 8.9 cm Ht. 7.3 cm

SR 86

Pieces of bronze. Rusted.

(Burial 53)

(i) L. 3.4 cm W. 2.2 cm

SR 87

A long biconvex bead of stone. Whitish-pink in colour. Complete.

(Burial 53)

L. 1.1 cm Dia. 1 cm

SR 88

A short biconvex bead of stone. Brownish-white in colour. Complete.

(Burial 53)

L. 0.8 cm Dia 0.8 cm

SR 89

A spearhead of bronze, socketed and with a mid-rib. Rusted. The point of blade is slightly damaged.

(Burial 53)

L. 117 cm Max. W. of blade 2.6 cm Dia. of socket 1.7 cm

SR 90

A flat irregular shaped disc bead of carnelian, roughly biconical. Complete.

(Burial 28)

Max. dia. 1.1 cm W. 0.3 cm

SR 91

A decayed and broken bead of stone.

(Burial 28)

SR 92

A long cylindrical circular bead of stone, light brown in colour. Broken.

(Burial 28)

L. 0.9 cm Dia. 0.8 cm

SR 93

Pieces of five finger rings made of bronze wire of different sizes but circular in section. Three rings are stuck together. Diameter of one ring is 2 cm.

(Burial 28)

SR 94

A piece of bronze. Rusted.

(Burial 121)

L. 2.5 cm W. 1.1 cm

SR 95

A long cylindrical bead of stone. White in colour with brown spots. Complete.
(Burial 121)

L. 0.7 cm Dia. 0.6 cm

SR 96

A long biconvex bead of stone. Light-brown in colour. Complete.
(Burial 121)

L. 0.6 cm Dia. 0.6 cm

SR 97

Pieces of bronze rings, made of wire, circular and rectangular in section. Rusted.
(Burial 50)

SR 98

A short biconical bead of white stone. Complete.
(Burial 50)

L. 0.5 cm Dia. 0.5 cm

SR 99

A short biconical bead of transparent material. Complete.
(Burial 50)

L. 0.5 cm Dia. 0.7 cm

SR 100

Two pieces of bronze antimony rod. Circular in section. Rusted.
(Burial 120)

L. 5.2 cm Dia. 0.5 cm

SR 101

A lid of steatite, circular in shape, with a broken knob in the centre of convex top and sharply cut edge on the other side.

(Burial 121)

Dia. 13 cm Ht. 2.4 cm

SR 102

A round-bottomed 'Barbar' red ware vessel of medium thickness, sharp carinated shoulder and multiple incised lines on vertical neck. Slightly damaged near the base. Handmade.

(Burial 91)

Dia. of rim 8 cm W. 10.2 cm Ht. 11.7 cm

SR 103

A pear-shaped Kassite vessel of red ware with narrow ring base and flaring rim of medium thickness and treated on external surface with thick slip of cream colour which is carried on to the inner surface. The neck and body is decorated with parallel incised lines. Wheel made. Neck broken slightly.

(Burial 42)

W. 15.7 cm Dia. of base 6 cm. Ht. 23.2 cm

SR 104

A bowl of steatite, incurved profile, convex base, and featureless rim. Incised design consisting of a row of dot-in-double circles occurs below the rim externally. Surface smoothed. Broken.

(Burial 42)

Ht. 5.1 cm

SR 105

A jar of dark red ware of medium thickness, rounded base, almost vertical sides, carinated below the neck, elongated neck and flattened rim. A line in relief runs below on the neck. Light red slipped. Handmade and well-fired. Rim partly broken.

(Burial 49)

Dia. of rim 9.5 cm W. 11.9 cm Ht. 16.1 cm

SR 106

A finger ring of bronze wire, circular in section. Rusted.

(Burial 117)

Dia. 2 cm Thickness 0.3 cm

SR 107

A long biconvex bead of stone. Brown in colour. Complete.

(Burial 42)

L. 1 cm Dia. 0.6 cm

SR 108

A long biconvex bead of dark brown stone. Complete.

(Burial 42)

L. 1 cm Dia 0.8 cm

SR 109

A short biconvex bead of stone, light brown in colour. Complete.

(Burial 42)

L. 0.4 cm Dia 0.6 cm

SR 110

A short biconical bead of stone. Light brown in colour. Complete.

(Burial 42)

L. 0.4 cm Dia 0.6 cm

SR 111

A disc biconical bead of stone, light brown in colour. Complete.

(Burial 42)

Dia. 0.5 cm W. 0.3 cm

SR 112

A short biconvex bead of opaque stone. Complete.

(Burial 42)

L. 0.6 cm Dia. 0.7 cm

SR 113

A short biconvex bead of stone. Light brown in colour with purple spots. Broken at one end.

(Burial 42)

L. 0.7 cm Dia. 0.6 cm

SR 114

Two pieces of a decorative object of bronze sheet, one end rolled. Broken and rusted.
(Burial 117)

L. 3.4 cm W. 1.5 cm

SR 115

An upper part of a sea couch shell, probably used as a bead or ear stud.
(Burial 91)

Dia. 2 cm

SR 116

A finger ring of bronze wire, circular in section. Rusted.
(Burial 92)

Dia. 1.7 cm Thickness 0.3 cm

SR 117

A piece of bronze. Rusted.
(Burial 92)

L. 1.5 cm

SR 118

A broken blade of bronze spearhead, pointed at one end and bent slightly. Rusted.
(Burial 91)

L. 5 cm Max. W. 2 cm

SR 119

A vertical sided cup of steatite with flat base. An incised line runs horizontally below the featureless rim on external surface. Partly broken and restored.
(Burial 117)

Dia. of rim 7.3 cm W. 7.9 cm Ht. 6.3 cm

Dia. of base 7.9 cm

SR 120

A shallow bowl of steatite, with a convex base and featureless rim. The external surface below the rim is decorated with an incised design consisting of a row of dot-in-double circles bordered by a line below. Rim worn out.

(Burial 49)

Dia. of rim 9 cm W. 9 cm Ht. 4.4 cm

SR 121

A bowl of steatite with flat base tapering sides and inverted rim. The entire external surface is decorated with three groups of dot-in-double circles, each consisting of 9 designs arranged in rows of three. The decorative register is bordered by horizontal lines.

(Burial 91)

Dia. of rim 5.7 cm Dia. at base 8 cm Ht. 5.8 cm

SR 122

Pieces of a bronze knife with tang. Rusted.
(Burial 117)

L. 11.6 cm Max. W. of blade 4.3 cm L. of tang 4.3 cm

SR 123

A long biconvex bead of polished stone. Brownish-white in colour. Complete.

(Burial 145A)

L. 1.4 cm Dia. 0.7 cm

SR 124

A long biconvex bead of stone. Whitish-pink in colour. Complete.

(Burial 145A)

L. 1.3 cm Dia. 0.6 cm

SR 125

A long biconvex bead of stone, banded. Light brown in colour. Complete.

(Burial 145A)

L. 1.1 cm Dia. 0.6 cm

SR 126

A long biconvex bead of stone. Opaque. Complete.

(Burial 145A)

L. 1.2 cm Dia. 0.7 cm

SR 127

A buff ware miniature vase with ring base, wide carinated body, narrow straight neck and out-turned rim. Wheel made, well-fired and painted in black on cream slip. Rim slightly damaged.

(Burial 70)

Dia. of rim 3.3 cm W 6.7 cm Ht. 5.7 cm Dia of base 2.9 cm

SR 128

A cylindrical jar of 'Barbar' red ware, fine thin fabric, rounded at base, almost vertical, externally thickened rim. Handmade, well-fired and red slipped. Rim and body damaged.

(Burial 77)

Dia. of rim 10 cm W. 13.7 cm Ht. 21.9 cm

SR 129

A broken vase of dull-red ware tapering to a flat base. Rim and neck damaged. Wheel made. Traces of red slip can be seen on external surface.

(Burial 48)

Dia. of base 4.5 cm W. 10.4 cm

SR 130

A buff ware miniature bowl (cf. SR 127), buff slipped on both sides, of medium thickness with ring base, carinated body and flaring rim. Wheel made and well-fired. Complete.

(Burial 70)

Dia. of rim 8.3 cm W. 8.2 cm Ht. 4.2 cm Dia. of base 3.3 cm

SR 131

A miniature bowl of pale red ware, of thin fabric, with disc base, carinated body and flared-out rim. Buff slipped on both sides. Wheel made. Broken.

(Burial 70)

Ht. 5 cm

SR 132

A cylindrical jar of fine red ware with rounded base, externally thickened and incised rim.
Broken.

(Burial 72)

SR 133

Pieces of bitumen with impressions of basket.

(Burial 72)

SR 134

Twenty-three sea shells of small size, a few with black marks on inner side.

(Burial 72)

SR 135

Remnants of bitumen-lined basket.

(Burial 114)

SR 136

A hook-like object of bronze, one end bent and the other straight like antimony rod. Rusted and slightly broken.

(Burial 111A)

L. 5.4 cm Dia. 0.4 cm

SR 137

Pieces of two finger rings of double bronze wire, flat in section. Rusted.

(Burial 70)

SR 138

A buff ware miniature bowl (cf. SR 127 & 130), partly broken.

(Burial 70)

Dia. of rim 7 cm W. 7.4 cm Ht. 4.5 cm

SR 139

A cylindrical 'Barbar' jar of bright red ware, rounded base, carinated below the neck, straight neck and externally thickened and incised rim. Wheel made and red slipped.
Broken.

(Burial 84)

Ht. 20.1 cm

SR 140

A long biconvex bead of agate stone. Dark-red in colour. Complete.

(Burial 144)

L. 0.8 cm Dia. 0.5 cm

SR 141

A short biconvex bead of white stone. Complete.

(Burial 144)

L. 0.7 cm Dia. 0.7 cm

SR 142

A long biconvex bead of stone. Light-brown in colour. Complete.

(Burial 144)

L. 0.8 cm Dia. 0.5 cm

SR 143

A long biconvex bead of stone with purple spots. Complete.

(Burial 144)

L. 0.9 cm Dia. 0.5 cm

SR 144

A short biconical bead of stone. White with shade of light-brown. Complete.

(Burial 144)

L. 0.7 cm Dia. 0.7 cm

SR 145

A long biconvex bead of (agate?) stone with red spots. Complete.

(Burial 144)

L. 0.8 cm Dia. 0.5 cm

SR 146

A tiny fragment of bronze, part of a ring, flat in section. Rusted.

(Burial 144)

Thickness 0.1 cm

SR 147

A long biconvex bead of spotted agate (?). Complete.

(Burial 144)

L. 1.3 cm Dia. 0.5 cm

SR 148

Two earrings of bronze wire. Round in section. One ring in pieces. Rusted.

(Burial 144)

Dia. 2.7 cm Max. dia. of wire 0.6 cm

SR 149

A shallow bowl of steatite, of uneven thickness, convex base and decorated with a row of dot-in-circle between two lines below flat rim externally. Complete.

(Burial 152B)

Dia. of rim 8.8 cm W. 8.7 cm Ht. 4 cm

SR 150

A disc bead of stone. Complete.

(Burial 150A)

Thickness 0.2 cm Dia. 1 cm

SR 151

A short biconvex bead of white stone. Complete.

(Burial 150A)

L. 0.6 cm Dia. 0.7 cm

SR 152

A long tubular bead made of sea shell. Light-brown in colour and fluted exterior.

(Burial 150A)

L. 1.2 cm Dia. 0.4 cm

SR 153

Finger ring of bronze wire, round in section. Rusted and broken into two pieces.
(Burial 150A)

Dia. 2 cm Thickness of wire 0.4 cm

SR 154

Small pieces of bronze. Rusted.

(Burial 150A)

SR 155

Pieces of a ring of bronze wire, flat in section. Rusted.

(Burial 150A)

Thickness of wire 0.3 cm

SR 156

A thick potsherd of red ware, buff slipped and painted with black showing animal (deer?) design and baby animal sucking, in kneeling posture.

(Burial 150A)

SR 157

A short spherical bead of stone, opaque. Complete.

(Burial 150A)

L. 0.7 cm Dia. 0.9 cm

SR 158

A short spherical bead of spotted agate. Complete.

(Burial 150A)

L. 0.6 cm. Dia 0.7 cm

SR 159

A long biconvex bead of banded agate. Complete.

(Burial 150A)

L. 1.3 cm Dia 0.7 cm

SR 160

A terracotta disc shaped object having convex sides and deeply grooved circumference with dented edges. Of pale red ware and hollow inside (possibly a Rattle)

(Burial 150A)

Dia. 11.7 cm W. 5.5 cm

SR 161

Two small biconvex beads of black stone. Complete.

(Burial 150B)

(i) L. 0.6 cm Dia. 0.5 cm

(ii) L. 0.5 cm Dia. 0.5 cm

SR 162

Pieces of bronze ring of wire, circular in section. Rusted.

(Burial 150B)

Thickness 0.3 cm

SR 163

Fragments of a bowl of dull red fabric, buff slipped, of medium fabric, having a disc base and incurved rim. Wheel made and well-fired.

(Burial 150)

Dia. at base 5.4 cm

SR 164

Fragments of a jar of dull red ware, of medium fabric, cream slipped, wheel made and well-fired.

(Burial 150)

SR 165

A small pear-shaped vase of dull red (pale) colour with narrow flat bottom, almost vertical neck and featureless rim. The external surface is treated with buff slip. An incised line runs under the neck. Slightly chipped off above the base, in antiquity.

(Burial 150)

Max. dia. of body 7.05 cm Ht. 10.4 cm Dia. at base 3.3 cm

SR 166

Fragment of a shallow bowl of buff ware with disc base and sharp out-curved rim. Wheel made.

(Burial 150)

Dia. at base 3.6 cm

SR 167

Fragment of a storage jar of dull red ware, of medium thickness, with wide and flattened rim and decorated on the rim and shoulder with horizontally ruled grooves. Light red slipped externally and wheel made.

(Burial 150)

Width of rim 2.2 cm

SR 168

A pear-shaped vase of light red ware coated with buff/cream slip. It has a ring base, vertical neck and featureless rim which is broken. Horizontally drawn parallel lines are incised on the shoulder and upper part of the body.

(Burial 150)

Ht. 20.8 cm Max. Dia. of body 13.3 cm

SR 169

A short spherical bead of paste (?), decorated with incised strokes on both sides. Complete.

(Burial 150)

L. 0.8 cm Dia. 1.2 cm

SR 170

A tiny couch shell with a perforation for use as charm or bead. Complete.

(Burial 150)

L. 1.8 cm Max. W. 1.1 cm

SR 171

Pieces of an earring of bronze wire, flattish in section. Rusted.

(Burial 150)

Dia. of the wire 0.3 cm

SR 172

Upper and basal parts of an elongated vase of pale red ware, medium thickness tapering to almost concave neck. It has a disc base. Its external surface is treated with light brown slip. Broken in the middle in antiquity. Kassite.

(Burial 150)

Max. dia. of body 11.7 cm Dia. of neck 8.5 cm

SR 173

Fragmentary cup of pale red ware with flat base and sharp rim, of medium thickness and external surface flaked off. Wheel made. (To be restored)

(Burial 150)

SR 174

Two basal parts of buff ware vessel. Wheel made and well-fired.

(Burial 150)

Dia. at base 5.5 cm

SR 175

Fragments of pale/buff jar of medium fabric, elongated body and neck. Wheel made, well-fired and cream slipped. (To be restored)

(Burial 150)

SR 176

Basal part of elongated buff ware vase with disc base. Plain exterior treated with cream wash.

(Burial 150)

Max. dia. of body 9 cm

SR 177

Buff ware jar, elongated body with narrow base, of medium thickness and plain surface. Wheel made and well-fired. (To be restored) Kassite.

(Burial 150)

Dia. of rim 8.2 cm

SR 178

A narrow-necked globular vase, of light red ware, convex base and externally thickened rim. Painted on the external surface with horizontally drawn groups of lines with black on thin cream slip. Wheel made. (Neck restored)

(Burial 151B)

Dia. of rim 3 cm W. 9.7 cm Ht. 10.3 cm

SR 179

A miniature cup of pale red ware, fine fabric, with a narrow ring base, concave sides slightly flaring near the rim. Wheel made and well-fired. Traces of pale red slip on the external surface and black band on inner side of rim are visible. Slightly broken rim.

(Burial 151B)

Dia. of rim 5.9 cm W. 6 cm Ht. 6 cm

Dia. at base 2.4 cm

SR 180

A miniature cup of very fine fabric, thin body, with ring base straight sides and flaring rim. Wheel made and well-fired. The external surface is decorated with black horizontal lines painted below the rim and most part of the body over light red slip. Vertical red lines are painted on the black lines.

(Burial 151B)

Dia. of rim 8.4 cm W. 7.7 cm Ht 6.8 cm

Dia. at base 3.3 cm

SR 181

A miniature vase of pale red ware, of medium thickness, globular form and convex base with narrow (broken) neck. Wheel made. Originally treated with red slip on external surface of which traces only remain. Rim, neck and part of body broken.

(Burial 151B)

W. 9.3 cm Ht. 7.7 cm

SR 182

A buff slipped miniature vase of light red ware, with globular body and ring base. Wheel made. Traces of buff slip still visible on flaked off surface. Rim, neck and one side damaged.

(Burial 151B)

Dia. at base 4.3 cm W. 10.1 cm Ht 8.9 cm

SR 183

A bowl of dull-red ware with convex base and nail-head rim. Wheel made, well-fired and cream slipped on both sides. Broken near the rim.

(Burial 151B)

Dia. of rim 22.4 cm W. 21 cm Ht. 9.5 cm

SR 184

A bowl of dull-red ware, of medium thickness, with disc base, and nail-head rim. Surface is treated with light brown wash. Wheel made and well-fired. (Found with SR 185)

(Burial 151B)

Dia. of rim 21 cm W. 20.2 cm Ht. 8.8 cm

Dia. at base 8.8 cm

SR 185

A miniature vase of pale red ware, of medium thickness, with convex base, elongated neck and slightly out-turned rim. Wheel made and well-fired (Found with SR 184).

(Burial 151B)

Dia. of rim 3.6 cm W. 8.4 cm Ht. 9 cm

SR 186

A shallow bowl of steatite, with convex base and decorated on the external surface with a row of dot-in-single circle design incised between two parallel lines below the rim. Complete.

(Burial 151B)

Dia. of rim 7.8 cm W. 8.3 cm Ht. 3 cm

SR 187

A wide-shouldered, narrow-necked red ware miniature vase of medium thickness with a convex base and flaring rim. Wheel made, well-fired and external surface slipped with red colour on which multiple black lines are painted horizontally. Rim slightly broken.

(Burial 151B)

Dia. of rim 3.8 cm W. 8.5 cm Ht. 8 cm

SR 188

A coiled ring of bronze wire, circular in section. Rusted. Complete.

(Burial 151B)

Dia. 1.7 cm Thickness 0.6 cm

SR 189

Pieces of bronze bracelet, circular in section. Three tiny cylindrical beads of stone (cf. SR 192) are still sticking to the rusted surface.

(Burial 151B)

SR 190

A bracelet of bronze. Open ended, circular in section. Complete.

(Burial 151B)

Dia. 7.5 cm Thickness 0.6 cm

SR 191

A short biconical bead of stone covered with gold foil. Complete.

(Burial 151B)

L. 0.5 cm Dia. 0.5 cm

SR 192

Eleven tiny cylindrical beads of red and white stone with shades of light brown to reddish. Complete.

(Burial 151B)

L. 0.5 cm Dia. 0.3 cm

SR 193

A circular seal of steatite with convex perforated boss, decorated with a group of three incised lines running across the perforation and dot-in-circle design on four corners. On the obverse a human figure wearing skirt of "reed" design is standing on a gridded square or platform. The figure holds in one hand a long staff or pipe with its one end rounded (Musician's pipe?). The figure is flanked by two animals (possibly gazelles)* with long horns and their faces turned towards the central human figure. Surface patinated. Complete.

(Burial 113)

Dia. 2.7 cm Overall thickness 1.2 cm

SR 194

A circular seal of steatite with convex perforated boss, decorated with a group of three incised lines running across the perforation and dot-in-circle design at four corners. On obverse, a human figure is grappling with a lion. Behind him is a camel shown with prominent hump, with neck turned backwards. Another animal is shown above the camel while a bull is represented below all other figures. Edge slightly chipped in antiquity.

(Burial 66)

Dia. 2.9 cm Overall thickness 1.3 cm

* Possibly Arabian Oryx. Observation made by Mrs. V. Best.

SR 195

A circular seal of steatite, with convex perforated boss, decorated with a group of three incised lines running across the perforation and dot-in-circle design at four corners. On obverse, a bearded human figure wearing high heeled shoes, seated on a stool and facing left, is holding on each side of him, a long horned animal (gazelle?) by its horns. A third "gazelle" with long horns is shown below the seated figure. Complete.

(Burial 43)

Dia. 2.6 cm Overall thickness 1.2 cm

SR 196

A circular seal of steatite, with convex perforated boss, decorated with a group of three incised lines running across the perforation and dot-in-circle design on four corners. On obverse, a bearded human figure wearing a head-dress, skirt and high heeled shoes, is seated on a stool. The figure is surrounded by four long horned animals (gazelles?). Boss broken in antiquity.

(Burial 126)

Dia. 3 cm Overall thickness 1.1 cm

SR 197

A small circular seal of grey stone, with plain convex back. On obverse, an animal, a human foot and two disc shaped symbols (sun and moon?) are shown. A line runs along the middle dividing the animal from other designs. Complete.

(Burial 150A)

Dia. 2.1 cm Overall thickness 1.2 cm

SR 198

A circular seal of steatite with convex perforated boss, decorated with a group of three incised lines running across the perforation and dot-in-circle design at four corners. On obverse, a lion is depicted in the middle attacking a bearded man while another bearded man is attacking the lion from behind. Edge slightly chipped off in antiquity.

(Burial 59)

Dia. 2.2 cm Overall thickness 0.9 cm

SR 199

A circular seal of grey stone with convex perforated boss decorated with a group of three incised lines running across the perforation and dot-in-circle design at four corners. On obverse, a long necked animal in the centre is flanked by two human figures wearing long skirts of "reed" design. One human figure stands with a hand on his hip whilst the other hand is extended towards the animal's neck. Complete.

(Burial 139)

Dia. 2.5 cm Overall thickness 1.1 cm

SR 200

A circular seal of steatite with convex perforated boss, decorated with a group of three incised lines running across the perforation and dot-in-circle design at four corners. On obverse, a bearded human figure in the centre wearing a horned head-dress, a long skirt with "reed" design and high heeled shoes is shown seated on a seat of grilled square with one hand resting on the head of a "gazelle" facing him. Another "gazelle" is standing behind the human figure and looking at him with face slightly upwards. A third "gazelle", standing on hind legs, is depicted above the second but behind the human figure. Three heads of "gazelles" are shown along upper margin facing the human figure. In addition to the six "gazelles" a long horned bull — with a crescent shaped symbol between its horns — is shown running below the human figure. A palm leaf is represented near the lower margin and another crescent is shown near the margin behind the human figure. The emphasis is on the central human figure with horns. The representation of eyes of animals with disproportionate sized circle and dot in the middle is noteworthy. This is one of the characteristic features of 'Dilmun' seals. Complete.

(Burial 14)

Dia. 3.2 cm Overall thickness 1.2 cm

SR 201

A small circular seal of steatite, with convex perforated boss, decorated with a group of three incised lines running across the perforation and dot-in-circle design at four corners. On the obverse a bearded human figure in the centre is shown wearing a head-dress and high heeled shoes. He is kneeling on his right leg, with one arm extending towards the horns of the long-necked animal in front. A fish is depicted below the kneeling figure. Edges slightly chipped off in antiquity. Surface patinated.

(Burial 121)

Dia. 1.9 cm Overall thickness 0.9 cm

SR 202

A truncated conical seal of steatite with straight perforation across its width. Vertical strokes are incised on the exterior surface, while on top deeply grooved lines are shown. On the obverse a standing animal with very long horns turned backwards is depicted with a zig-zag line running near the top margin. Complete.

(Burial 3)

Dia. of reverse side 1.7 cm

Dia. of obverse side 2.2 cm Overall thickness 1.6 cm

SR 203

A circular seal of sea shell with conical back and diagonal perforations. The obverse shows a natural volute design. Complete.

(Burial 56)

Dia. 2 cm Thickness 1 cm

SR 204

A circular seal of steatite with convex perforated boss, decorated with a group of three incised lines running across the perforation and dot-in-circle design at four corners. On the obverse, two human figures wearing long dresses and facing each other are shown. Edge slightly chipped in antiquity.

(Burial 94)

Dia. 2.4 cm Overall thickness 1 cm

SR 205

A circular seal of steatite, re-used as a pendant with secondary perforation. On the obverse an animal, a two pronged symbol above the head of the animal and a three pronged symbol are depicted. Edge slightly chipped in antiquity.

(Burial 91)

Dia. 2.5 cm Overall thickness 0.7 cm

SR 206

A small circular seal of steatite with convex perforated boss, decorated with a single incised line running across the perforation and dot-in-circle design on four corners. On the obverse a sun symbol is shown in the centre. Lower down to one side, a long-horned animal in a running pose is depicted whilst on the other side another animal is shown standing on hind legs with his head turned back. Near the animal's head a small circle and a date palm motif are shown. Edge slightly cracked and chipped in antiquity.

(Burial 53)

Dia. 1.8 cm Overall thickness 1 cm

SR 207

A circular seal of steatite with convex perforated boss, decorated with three incised lines running across the perforation and dot-in-circle design at four corners. Boss cracked. On the obverse a human figure is standing in the centre with face turned to one side and wearing a long skirt of "reed" design. A V-shaped design is marked and with lines on his chest. He is flanked by two long-horned and long-necked animals whose heads are turned towards him. The hands of the human figure are extended on both sides towards the necks of the animals as if he is holding them. A small symbol is also shown below the left elbow of the human figure. Edge slightly damaged in antiquity.

(Burial 137)

Dia. 2.2 cm Overall thickness 1.2 cm.

SR 208

A circular seal of shell with flat back and two diagonal perforations reaching the other side. On the obverse, short strokes are incised around the voluted edge. Complete.

(Burial 77)

Dia. 2.5 cm Overall thickness 0.8 cm

SR 209

A small circular seal of steatite with convex perforated boss, decorated with three incised lines running across the perforation and dot-in-circle design on four corners. On the obverse a bearded human figure is standing in front of what appears to be a door. On the opposite but damaged side, another human figure wearing a skirt is represented. A gridded square is shown at the lower edge. Edge chipped in antiquity.

(Burial 134)

Dia. 1.6 cm Overall thickness 0.8 cm

SR 210

A circular seal of grey stone with a plain convex perforated boss. On the obverse, three animals are depicted, of which two are complete whilst the third, near the margin is shown by the head and neck only. The tail of one animal is turned upwards and of the other, downwards. Complete.

(Burial 23)

Dia. 2.4 cm Overall thickness 1 cm

SR 211

A small circular seal of stone with a plain conical and perforated back. On the obverse four fish are depicted in a circular row. Complete.

(Burial 137A)

Dia. of reverse side 1.1 cm

Dia. of obverse side 2 cm Overall thickness 1.1 cm.

SR 212

A circular seal of stone with convex perforated boss, decorated with a group of three incised lines running across the perforation and dot-in-circle design at four corners. On the obverse two horned animals with long necks and tails, standing on their hind legs, are shown interlocked in the centre. A bearded human figure is facing the animals with his arm extended towards them. A second human figure is also shown to the side. Broken in antiquity. Surface patinated.

(Burial 55)

Dia. 2.3 cm Overall thickness 1 cm

SR 213

A circular seal of steatite with a plain convex perforated back. On the obverse, crudely represented symbols of an animal, a tree, a human figure and a cross are depicted. Edge slightly chipped in antiquity.

(Burial 69)

Dia. 2.4 cm Overall thickness 1.2 cm

SR 214

A rectangular tablet of steatite with incised lines and marks. An unfinished seal?

(Burial 75)

L. 3.3 cm W. 2.5 cm Thickness 1 cm

SR 215

A circular seal of shell with low flat boss and two diagonal perforations reaching the other side. On the obverse, three crudely represented animals are incised around the voluted edge. Complete.

(Burial 105)

Dia. 3.1 cm Thickness 1.2 cm

SR 216

A circular seal of steatite, with boss rubbed to a convex shape, decorated with a group of three incised lines running across the perforation and dot-in-circle design at four corners. The obverse side is also rubbed off and is without design. Edge chipped in antiquity.

(Burial 63A)

Dia. 2.2 cm Overall thickness 0.6 cm

SR 217

A circular seal of steatite with convex perforated boss, decorated with a group of three incised lines running across the perforation and dot-in-circle design at four corners. On the obverse two bearded human figures wearing high heeled shoes are standing facing each other and holding two long tubes coming out of a pedestalled vase placed in the centre. ("drinking scene") A sun motif is shown above, between the heads of the human figures. Edges chipped in antiquity.

(Burial 42)

Dia. 2.3 cm Overall thickness 0.8 cm

SR 218

A plano-convex bead of steatite, with perforation in the centre. A circle is incised around the perforation on convex side.

(Burial 42)

Dia. 3 cm Thickness 0.7 cm

SR 219

A fragment of a jar of red ware, of coarse fabric with a short neck and splayed-out rim which is externally thickened and sharpened. Wheel made, well-fired and buff slipped. Treated on the external surface with horizontally parallel lines in relief.

(From filling of square D/J3)

SR 220

A vase of red ware of medium thickness, with a sagger base and carinated sides. Wheel made, well-fired and buff slipped. Rim and neck missing. Broken sides.

(Burial 145)

W. 9.5 cm Ht. 5.9 cm

SR 221

A short cylindrical bead of stone, white in colour. Complete. (From filling of square D/E3)

L. 0.4 cm Dia. 0.7 cm

SR 222

A bowl of fine buff ware with convex sides, carinated above the base and out-turned rim. Wheel made, well-fired and buff slipped. Broken sides and base.

(Burial 137)

Dia. of the rim 9.00 cm W. 8.5 cm Ht. 4.1 cm

SR 223

A short cylindrical bead of stone, light pink in colour with a dark brown spot. Complete.

(Burial 66)

L. 0.5 cm Dia. 0.9 cm

SR 224

Pieces of bitumen-lined basket.

(Burial 59)

SR 225

Thirteen small sea shells.

(Burial 117)

SR 226

Seventeen small sea shells. One broken into two pieces.

(Burial 55)

SR 227

Twelve small sea shells. One broken.

(Burial 23)

SR 228

Small pieces of bronze sheet. Rusted.

(Burial 23)

SR 229

Eleven small sea shells. Four broken.
(Burial 34)

SR 230

Pieces of bronze wire ring, rectangular in section. Rusted.
(Burial 63A)
Thickness 0.3 cm

SR 231

Four small sea shells.
(Burial 137A)

SR 232

A small couch shell with brown bands over it.
(Burial 150)

SR 233

Tiny pieces of bronze sheet. Rusted.
(Burial 70)

SR 234

Four small sea shells with outer surface damaged.
(Burial 111A)

SR 235

Thirty small sea shells. Thirteen broken.
(Burial 105)

SR 236

Thirty-two small sea shells. Three broken.
(Burial 28)

SR 237

Twenty-five small sea shells. Eighteen shells bearing carbonized marks inside. Two broken.
(Burial 59)

SR 238

Twenty small sea shells. Four broken.
(Burial 77)

SR 239

A pair of conjoined sea shells and one small sea shell.
Complete.
(Burial 50)

SR 240

Twenty-three small sea shells. One broken.
(Burial 100)

SR 241

Twenty-four small sea shells. Two broken.
(Burial 36A)

SR 242

Fourteen small sea shells.
(Burial 97)

SR 243

Seventeen small sea shells. Two broken.
(Burial 110)

SR 244

Six small sea shells.
(Burial 91)

SR 245

Five small sea shells and two small spotted couch shells.
(Burial 129 at 98 cm depth)

SR 246

Two small sea shells and two spotted couch shells.
(Burial 129, at 94 cm depth)

SR 247

Three small sea shells. Two broken.
(Burial 129, at 65 cm depth)

SR 248

'Barbar' ware pot with very thin cylindrical body and round bottom, of deep red colour and treated with grey slip externally. It has a sharp carination on the shoulder, obliquely cut but sharp rim, cordon in the middle of the vertically-straight neck and multiple incised horizontal lines. Handmade.

(Burial 69)

Max. width 15.5 cm Ht. 22.2 cm

SR 249

Two small sea shells. One broken.
(Burial 136)

SR 250

A long biconvex bead of stone, brownish in colour. Complete.

(Burial 84)

L. 0.7 cm Dia. 0.6 cm

SR 251

An open-ended finger ring of bronze wire, rectangular in section. Rusted. Complete.

(Burial 113)

Dia. 2.2 cm Thickness of wire 0.2 cm

SR 252

An open-ended finger ring of bronze wire, circular in section. Rusted and complete.

(Burial 113)

Dia. 2.2 cm Thickness of wire 0.4 cm

SR 253

A cylindrical bead of paste (?), brown in colour. Complete.

(Burial 37)

L. 1 cm Dia. 0.4 cm

SR 254

Spout of steatite vessel decorated externally with a row of dot-in-circle design within incised lines.

(From filling of square D/D5)

L. 3 cm

SR 255

A cup of steatite with flat base, concave sides and featureless rim. Externally dot-in-circle design. Rim and sides damaged in antiquity.

(Burial 62)

Dia. at base 8 cm Ht. 6.4 cm

SR 256

A dagger of bronze with a flat blade without mid-rib and a rectangular tang. Complete and rusted.

(Burial 84)

L. 23.8 cm Max. W. 4.5 cm Min. W. 0.5 cm

L. of tang 5.8 cm

SR 257

Eight small sea shells. Two broken.

(Burial 136)

SR 258

One small sea shell.

(Burial 37)

SR 259

Pieces of bronze sheet with carbonized marks on each. Rusted.

(Burial 36)

SR 260

A piece of bronze. Rusted.

(From filling of square D/H4)

SR 261

Pieces of bitumen with basket impressions

(Burial 118)

SR 262

Basal part of a cup with ring base, of pale red ware, medium thickness, wheel made, well-fired and red slipped. A black line is painted below the carination occurring above the base. Broken.

(From filling of square D/J2)

SR 263

Remains of a bitumen-lined basket.

(Burial 139)

SR 264

Upper part of a 'Barbar' pot, of deep red colour, thin body well-fired and with carinated shoulder. The upper part of its almost vertical neck has a ridge. Two incised lines run horizontally between the ridge and nail-head rim. Handmade.

(Burial 122)

Max. dia. of neck 9 cm

SR 265

Fragment of a jar of pale red ware, buff slipped, with nailhead rim, elongated and ribbed neck. It is decorated on the shoulder with horizontally incised lines. Wheel made and well-fired.

(From filling of square D/D6)

SR 266

A cylindrical 'Barbar' jar of red ware of medium thickness, with a round base, straight neck, carinated below the neck with externally thickened and grooved rim. Handmade, well-fired and dark slipped.

(Burial 59)

SR 267

Fifty-five small sea shells. Two broken. Six shells have carbonized marks.

(Burial 53)

SR 268

Small pieces of bitumen

(Burial 53)

SR 269

A bowl of dull-red ware, of medium thickness with a round base, convex sides and slightly in-turned rim. Wheelmade and well-fired.

(Burial 147)

Dia. of rim 17 cm W. 17.3 cm Ht. 9.2 cm

SR 270

A globular vase of dull-red ware, of medium thickness with flat base, straight but narrow neck and slightly out-turned rim. Wheel made, well-fired and red slipped on the external surface.

(Burial 82)

W. 10.3 cm Ht. 10 cm

SR 271

A vase of pale red ware, of medium thickness with flat base and narrow neck. Wheel made and well-fired. Rim and neck missing. Base damaged.

(Burial 111B)

W. 9.5 cm

SR 272

Pieces of bitumen.

(Burial 76)

SR 273

Fragment of a painted vase of fine red ware, with a narrow, elongated neck. Wheel made, well-fired and brown slipped. Traces of black paint can be seen on the external surface.

(Burial 147)

SR 274

Pieces of tubular shells.

(Burial 150)

SR 275

Twenty-five small sea shells. Two broken.

(Burial 92)

SR 276

Six small sea shells. Four shells having carbonized marks on inner side.

(Burial 88)

SR 277

A long cylindrical bead of stone (agate?), brownish in colour. Complete.

(From filling of square D/D3)

L. 0.9 cm Dia. 0.5 cm

SR 278

A long cylindrical bead of stone. Brownish-white in colour. Broken.

(From filling of square D/D3)

Dia. 0.6 cm

SR 279

A fluted bead of paste, short and spherical in shape and greenish-brown in colour.

(From filling of square D/D4)

L. 1.1 cm W. 1.4 cm

SR 280

An open-ended earring of bronze wire, circular in section. Complete but rusted.

(Burial 143)

Dia. 2.2 cm Thickness of wire 0.4 cm

SR 281

Tiny pieces of bronze. Rusted.

(Burial 143)

SR 282

Small pieces of bronze wire, flattish in section. Rusted.
(Burial 150)

SR 283

Fragments of a tanged knife of bronze. Rusted.
(Burial 148)
L. of tang 3.9 cm

SR 284

Two small pieces of bronze wire, circular in section. Rusted.
(From filling of square D/E2)
Thickness 0.3 cm and 0.2 cm

SR 285

Pieces of bronze wire, square in section. Rusted.
(Filling of square D/H1)
Thickness of wire 0.4 cm

SR 286

An elongated spacer (?) of grey stone with perforation in the centre.
(Burial 38)
L. 2.5 cm W. 0.8 cm Thickness 0.4 cm

SR 287

An open ended earring of bronze wire, rectangular in section.
Complete but rusted.
(Burial 150)
Dia. 2.4 cm Max. thickness of wire 0.6 cm

SR 288

Two small sea shells.
(Burial 129, at 45 cm depth)

SR 289

Fragments of a globular vase of dark red ware, of medium thickness with flat base, narrow but elongated neck and flat featureless rim. Wheelmade and unevenly fired. (To be restored.)
(Burial 111B)

SR 290

Fragments of cylindrical round bottomed 'Barbar' pot, of bright red colour, fine clay, thin bodied and red slipped on the external surface. Its vertical neck has a ridge in the middle and multiple lines incised horizontally below the nail-head rim. The shoulder is sharply canted. (To be restored).
(Burial 78)

SR 291

A fragment of bowl of steatite with sharp rim and convex profile. An incised line runs on the external surface below the rim.
(Burial 19)
Thickness 0.8 cm

SR 292

Fragment of steatite bowl with convex base, vertical profile and squared, featureless rim. A row of dot-in-circle design is incised below the rim on the external surface and bordered below by an incised horizontal line.

(Burial 35)

Ht. 2.5 cm Thickness 0.6 — 0.8 cm

SR 293

Piece of steatite bowl with squared rim, decorated on the external surface below the rim with dot-in-double concentric circles between a register of incised parallel lines.

(Burial 111A)

Thickness of rim 0.7 cm Thickness of base 2 cm

SR 294

A piece of steatite, probably of bowl.

(Burial 96)

SR 295

Two pieces of bronze, shape unrecognizable.

(Burial 150)

SR 296

Pieces of bronze tube.

(Burial 33)

Thickness 0.2 cm

SR 297

Three sea shells and one half piece.

(Burial 127)

SR 298

Two sea shells, one broken.

(Burial 36)

SR 299

Two sea shells. Complete.

(Burial 150)

SR 300

Two sea shells. One slightly broken.

(Burial 66)

SR 301

Fragments of bitumen coating of basket. (To be restored).

(Burial 121)

SR 302

Basal part of 'Barbar' pot of red ware and thin body.

(Burial 22)

SR 303

Fragments of red 'Barbar' pot, cylindrical in shape, with cordon in the middle of vertical neck and three incised lines above. Handmade.

(Burial 124)

SR 304

A rectangular disc of steatite with edges turned at right angle. It is either a lid or has served as a base for another object.

The exterior is smooth due to use.

(Burial 115A)

External L. 8.1 cm Width 7.6 cm Thickness of rim 3 mm

SR 305

Four beads of stone.

(I) Long, cylindrical of banded agate, L. 0.6 cm Dia. 0.4 cm.

(II) Short, biconical, L. 0.5 cm

(III) Long, biconical, opaque, L. 0.9 cm

(IV) Long, biconvex of agate, L. 0.8 cm

(Burial 53)

SR 306

Nail of bronze, one end pointed and bent slightly.

(Burial 142)

Max. L. 5.1 cm

SR 307

Open-ended (finger?) ring of bronze wire. Complete.

(Burial 141)

External dia. 1.9 cm Thickness of wire 0.2 cm

APPENDIX — B

**DESCRIPTION OF
ILLUSTRATED MATERIALS**

APPENDIX — B

Description of Illustrated Materials

(Note : SR refers to Catalogue number of Antiquities and Selected Pottery as given under Appendix 'A'.)

Fig. 18

- No. 1 Handmade 'Barbar' red ware, cylindrical in shape, having vertical neck above sharply carinated shoulder. Horizontally drawn incised lines in the upper half of neck. Thin textured, well fired. (Drawing reconstructed from fragments.) (Burial 5).
- No. 2 See under SR 139.
- No. 3 See under SR 46 (PL. XLI, No. 1.)
- No. 4 See under SR 17.
- No. 5 See under SR 105.
- No. 6 See under SR 128.
- No. 7 See under SR 50.
- No. 8 See under SR 264.
- No. 9 See under SR 102 (PL. XLI, No. 3.)

Fig. 19.

- No. 1 See under SR 3 (PL. XLI, No. 7.)
- No. 2 See under SR 156 (PL. XLI, No. 6.)
- No. 3 See under SR 219.
- No. 4 See under SR 178.
- No. 5 See under SR 180 (PL. XLII, No. 4.)
- No. 6 See under SR 183.
- No. 7 See under SR 85 (PL. XLII, No. 5)
- No. 8 See under SR 179 (PL. XLII, No. 6)
- No. 9 See under SR 220.
- No. 10 See under SR 202.
- No. 11 See under SR 269.
- No. 12 A Potsherd of dull red ware, treated on the external surface with horizontal ridges and cream slipped. The ridged ware. From filling of square D/B5.
- No. 13 See under SR 131 (PL. XLII, No. 1)
- No. 14 A fragment of pale red pot with horizontal ridges on the external surface and treated over with cream slip. From filling of square D/E1.
- No. 15 A potsherd of ridged ware, light red body and treated on the external surface with red slip. (Burial 150B)

Fig. 20 (The Kassite wares)

- No. 1 See under SR 168.
- No. 2 See under SR 165 (PL. XLII, No. 8)
- No. 3 See under SR 103 (PL. XLII, No. 1)
- No. 4 See under SR 176.
- No. 5 See under SR 175.
- No. 6 See under SR 172.
- No. 7 See under SR 172.

No. 8 Basal part of elongated Kassite ware of light red body and buff slipped on both external and internal surface. From filling of square D/13.

Nos. 1, 2, 4, 5, 6 & 7, were found in Burial of tumulus 150 while No. 3 was discovered in Burial 42.

Fig. 21.

No. 1 See under SR 13.

No. 2 See under SR 68 (PL. XLIII, No. 2).

No. 3 See under SR 185 (PL. XLII, No. 9).

No. 4 See under SR 54.

No. 5 See under SR 82.

No. 6 See under SR 12.

No. 7 See under SR 270.

No. 8 See under SR 28 (Found with No. 14 below.)

No. 9 See under SR 271.

No. 10 See under SR 32 (PL. XLII, No. 7). Kassite.

No. 11 See under SR 129.

No. 12 See under SR 181.

No. 13 See under SR 182.

No. 14 See under SR 28 (PL. XLIII, No. 6). Found with No. 8 above.

Fig. 22.

No. 1 See under SR 194 (PL. XLVII, No. 3).

No. 2 See under SR 200 (PL. XLVII, No. 2).

No. 3 See under SR 196 (PL. XLVII, No. 1).

No. 4 See under SR 193 (PL. XLVII, No. 4).

Fig. 23.

No. 1 See under SR 212 (PL. XLVIII, No. 2).

No. 2 See under SR 198 (PL. XLVI, No. 2)

No. 3 See under SR 195 (PL. XLVI, No. 3).

No. 4 See under SR 197 (PL. XLV, No. 5).

No. 5 See under SR 207 (PL. XLVI, No.1).

Fig. 24.

No. 1 See under SR 58 (PL. LI, No. 2).

No. 2 See under SR 19 (PL. LI, No. 1).

No. 3 See under SR 49 (PL. LI, No. 5).

No. 4 See under SR 149 (PL. L, No. 4).

No. 5 See under SR 104 (PL. LI, No. 4).

No. 6 See under SR 120 (PL. L, No. 5).

No. 7 See under SR 121 (PL. LI, No. 6).

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Fig. 25.

No. 1 See under SR 119 (PL. L, No. 2).

No. 2 See under SR 38 (PL. L, No. 6).

No. 3 See under SR 59 (PL. LI, No. 8).

No. 4 See under SR 255 (PL. L, No. 3).

- No. 5 See under SR 7.
- No. 6 See under SR 11 (PL. LI, No. 7).
- No. 7 See under SR 101 (PL. L, No. 1).

Fig. 26.

- No. 1 See under SR 16 (PL. LIII, No. 1).
- No. 2 See under SR 53 (PL. LIII, No. 3).
- No. 3 See under SR 60 (PL. LIII, No. 2).
- No. 4 See under SR 89.
- No. 5 A fragment of bronze tanged knife, flat in section.
(Burial 148)
- No. 6 See under SR 122 (PL. LII, No. 3).
- No. 7 See under SR 8 (PL. LII, No.1).

Fig. 27.

- No. 1 See under SR 47 (PL. LII, No. 5).
- No. 2 See under SR 256 (PL. LIII, No. 4).
- No. 3 See under SR 74 (PL. LIII, No. 6).
- No. 4 See under SR 35.
- No. 5 See under SR 136.
- No. 6 See under SR 43.
- No. 7 See under SR 57 (PL. LIII, No. 7).
- No. 8 See under SR 251 (PL. LIII, No. 12).
- No. 9 See under SR 9 (PL. LIII, No. 9).
- No. 10 See under SR 190 (PL. LIII, No. 4).
- No. 11 See under SR 148.
- No. 12 See under SR 252 (PL. LIII, No. 8).
- No. 13 See under SR 106.
- No. 14 See under SR 93 (PL. LIII, No. 15).
- No. 15 See under SR 25 (PL. LIII, No. 10).
- No. 16 See under SR 50 (PL. LIII, No. 13).
- No. 17 See under SR 153.

Fig. 28.

- No. 1 See under SR 70.
- No. 2 See under SR 123.
- No. 3 See under SR 150.
- No. 4 See under SR 87.
- No. 5 See under SR 125.
- No. 6 See under SR 90.
- No. 7 See under SR 71.
- No. 8 See under SR 159.
- No. 9 See under SR 54.
- No. 10 See under SR 157.
- No. 11 See under SR 147.
- No. 12 See under SR 76.
- No. 13 See under SR 30.
- No. 14 See under SR 125.
- No. 15 See under SR 4.
- No. 16 See under SR 88.

- No. 17 See under SR 75.
- No. 18 See under SR 99.
- No. 19 See under SR 140.
- No. 20 See under SR 126.
- No. 21 See under SR 141.
- No. 22 See under SR 144.
- No. 23 See under SR 79.
- No. 24 See under SR 80.
- No. 25 See under SR 34.
- No. 26 See under SR 95.
- No. 27 See under SR 111.

Fig. 29.

- No. 1 See under SR 142.
- No. 2 See under SR 112.
- No. 3 See under SR 48.
- No. 4 See under SR 145.
- No. 5 See under SR 250.
- No. 6 See under SR 92.
- No. 7 See under SR 151.
- No. 8 See under SR 98.
- No. 9 See under SR 10.
- No. 10 See under SR 96.
- No. 11 See under SR 78.
- No. 12 See under SR 107.
- No. 13 See under SR 109.
- No. 14 See under SR 72.
- No. 15 See under SR 108.
- No. 16 See under SR 15.
- No. 17 See under SR 14.
- No. 18 See under SR 143.
- No. 19 See under SR 110.
- No. 20 See under SR 158.
- No. 21 See under SR 152.
- No. 22 See under SR 77.
- No. 23 See under SR 63.
- No. 24 See under SR 253.

Plate XLI.

- No. 1 See under SR 46 (Fig. 18, No. 3.)
- No. 2 See under SR 248.
- No. 3 See under SR 102 (Fig. 18, NO. 9.)
- No. 4 See under SR 127.
- No. 5 See under SR 56.
- No. 6 See under SR 156. (Fig. 19, No. 2.)
- No. 7 See under SR 3 (Fig. 19, No. 1.)

Plate XLII.

- No. 1 See under SR 131 (Fig. 19, No. 13.)
- No. 2 See under SR 138.

- No. 3 See under SR 187.
- No. 4 See under SR 180.
- No. 5 See under SR 85 (Fig. 19, No. 7.)
- No. 6 See under SR 179 (Fig. 19, No. 8.)
- No. 7 See under SR 32 (Fig. 21, No. 10.)
- No. 8 See under SR 165 (Fig. 20, No. 2.)
- No. 9 See under SR 185 (Fig. 21, No. 3.)

Plate XLIII.

- No. 1 See under SR 103 (Fig. 20, No. 3.)
- No. 2 See under SR 68 (Fig. 21, No. 2.)
- No. 3 See under SR 56.
- No. 4 Fragment of a bowl of light/pale red ware treated on both surfaces with cream slip and having a disc base (Restored).
(Burial 150) Kassite.
- No. 5 A bowl of pale/buff ware with flaring sides and disc base. (Restored)
(Burial 150) Kassite.
- No. 6 See under SR 28 (Fig. 21, No. 14.)

Plate XLIV. (BNM — Bahrain National Museum)

- No. 1 Pear shaped buff ware vessel with a group of incised lines drawn horizontally on the shoulder and body, buff slipped and with ring base. From Al Hajjar (I). Kassite. BNM No. 192 (cf. PL. XLIII, No. 1. and Fig. 20, this publication.)
- No. 2 Hand made cylindrical vessel of red 'Barbar' ware, slipped red on the external surface. From A'ali. BNM No. 169 (cf. PL. XLI, Nos. 1, 2 & 5 and Fig. 18, this publication.)
- No. 3 A bowl of steatite with chanel spout and flat base decorated on external surface with parallel incised lines and row of dot-in-circle design. From Isa Town. BNM No. 161 (cf. PL. LI, No. 3, this publication.)
- No. 4 Steatite Cup with vertical sides and flat base decorated on the external surface with double row of dot-in-circle design and a single row, below, divided by horizontal incised lines. From Al Hajjar site (I). Barbar priod. BNM No. 162 (cf. shape: PL. L, No. 2. and decoration : PL. LI, this publication.)
- No. 5 An almost globular jar with tapering bottom showing ridges on the external surface under cream slip. From A'ali mound. BNM No. 158 (cf. Fig. 19, No. 3. and other sherds Nos. 12, 14 and 15, this publication.)

Plate XLV.

- No. 1 See under SR 211.
- No. 2 See under SR 202.
- No. 3 See under SR 210.
- No. 4 See under SR 205.
- No. 5 See under SR 197 (Fig. 23, No. 4.)

Plate XLVI.

- No. 1 See under SR 207 (Fig. 23, No. 5.)
- No. 2 See under SR 198 (Fig. 23, No. 2.)
- No. 3 See under SR 195 (Fig. 23, No. 3.)
- No. 4 See under SR 199.
- No. 5 See under SR 204.

Plate XLVII.

- No. 1 See under SR 196.
- No. 2 See under SR 200.
- No. 3 See under SR 194.
- No. 4 See under SR 193.

Plate XLVIII.

- No. 1 See under SR 206.
- No. 2 See under SR 212 (Fig. 23, No. 1.)
- No. 3 See under SR 217.
- No. 4 See under SR 213.

Plate XLIX.

- No. 1 See under SR 201.
- No. 2 See under SR 209.
- No. 3 See under SR 208.
- No. 4 See under SR 215.

Plate L.

- No. 1 See under SR 101 (Fig. 25, No. 7.)
- No. 2 See under SR 119 (Fig. 25, No. 1.)
- No. 3 See under SR 255 (Fig. 25, No. 4.)
- No. 4 See under SR 149 (Fig. 24, No. 4.)
- No. 5 See under SR 120 (Fig. 24, No. 6.)
- No. 6 See under SR 38 (Fig. 25, No. 2.)

Plate LI.

- No. 1 See under SR 19 (Fig. 24, No. 2.)
- No. 2 See under SR 58 (Fig. 24, No. 1.)
- No. 3 See under SR 254.
- No. 4 See under SR 104 (Fig. 24, No. 5.)
- No. 5 See under SR 49 (Fig. 24, No. 3.)
- No. 6 See under SR 121 (Fig. 24, No. 7.)
- No. 7 See under SR 11 (Fig. 25, No. 6.)
- No. 8 See under SR 59 (Fig. 25, No. 3.)
- No. 9 See under SR 304.

Plate LII.

- No. 1 See under SR 8 (Fig. 26, No. 7.)
- No. 2 See under SR 118.
- No. 3 See under SR 122 (Fig. 26, No. 6.)
- No. 4 See under SR 256 (Fig. 27, No. 2.)
- No. 5 See under SR 47 (Fig. 27, No. 1.)

Plate LIII.

- No. 1 See under SR 16 (Fig. 26, No. 1.)
- No. 2 See under SR 60 (Fig. 26, No. 3.)
- No. 3 See under SR 53 (Fig. 26, No. 2.)

- No. 4 See under SR 190 (Fig. 27, No. 10.)
- No. 5 See under SR 189
- No. 6 See under SR 74 (Fig. 27, No. 3.)
- No. 7 See under SR 57 (Fig. 27, No. 7.)
- No. 8 See under SR 252 (Fig. 27, No. 12.)
- No. 9 See under SR 9 (Fig. 27, No. 9.)
- No. 10 See under SR 25 (Fig. 27, No. 15.)
- No. 11 See under SR 287.
- No. 12 See under SR 251 (Fig. 27, No. 8.)
- No. 13 See under SR 50 (Fig. 27, No. 16.)
- No. 14 See under SR 307.
- No. 15 See under SR 93 (Fig. 27, No. 14.)

Plate LIV.

- No. 1 See under SR 21
- No. 2 See under SR 36.
- No. 3 See under SR 1.

APPENDIX — C

BASIC DATA ON COMPLETELY EXCAVATED BURIALS

BURIAL — 3

Square D/A1 (Feature 9 & 8);

THE GRAVE CHAMBER

Orientation of grave chamber : 58° — NE

Capstones : I. (from East) L.100 x W.66 x thick 26 cm
II. 103 x 80 x 25 cm III. cm IV. cm

Length : 154 cm(N) **Height** (overall from bed rock): 94 cm
cm(S) Chamber walls : 66 cm
183 cm(middle) Projecting part : 43 cm

Width : 96 cm(base) Projection from base : (N) 20 cm(S) 31 cm
56 cm(top)

Masonry : Northern wall. 3 courses, regular.
Southern wall. 3-4 courses, irregular.
Western wall. Built beside Ringwall, irregular.
Interspaces contain nothing

Stone size (Length is parallel to grave chamber)
Long walls of chamber Projecting upper part
(Long x thick) cm (L. x W. x thick) cm
48 x 33 40 x 55 x 24
37 x 32 35 x 65 x 20
46 x 28

Re-use of existing R.W. (ringwall) for chamber: two R.W. on East
Surface of B.R. (bed rock) : Original

THE ALCOVE

Location : North wall **Re-use** of existing R.W. face : None

Capstone : L.84 x W.68 x thick 30 cm

Width (of mouth); 48 cm **Length**: 47 cm **Height** (from B.R.): 61 cm

Remarks : A bronze spearhead (SR16) was found inside the alcove.

STRATIGRAPHY OF GRAVE CHAMBER

Layer(1) below capstone level : 65 cm water laid and wind blown sand with very few small stones.

Layer(2): 20 — 24 cm thick, loose earth and sandy. Potsherds 20 cm above B.R.

Floor level above B.R. : At least 5 cm thick, with funerary objects.

CONTENTS OF GRAVE

Skeletal remains : Few pieces only

Stones : Steatite cup, compartmented (SR 11)
'Dilmun' seal of 'early' type (SR 202)

Metals : Bronze spearhead (SR 16) and earring (SR 9)

Shells :

Bitumen-lined materials : Pieces.

Other:

Ceramics : Small vase (SR 13). Thick tempered ware with buff slip. Red 'Barbar' ware, fine fabric.

THE RINGWALL

Length (external, upper part) : 608 cm **Width :** 15-47 cm

Max. Height : 122 cm of 9 courses. Interspaces contain small stones.

Stone size (wall face) in cm

(top of wall)

Long x thick	Long x thick	L.	x W.	x thick	cm
32 x 22	61 x 28				
36 x 45					

Filling between R.W. and grave: Earth, gravel and very small rocks. Uniform deposit from B.R. to top of capstones.

Remarks:

BURIAL — 5

Square D/AI (Feature 1 & 2)

THE GRAVE CHAMBER

Orientation of grave chamber : 60° — NE

Capstones : Three I. (from East) L. 83 x W.70 x thick 20 cm
II.71 x 37 x 30 cm III. 90 x 36 x 18cm IV. cm

Length : 157 cm(N) **Height** (overall from bed rock): 100 cm
150 cm(S) Chamber walls 95 cm
cm (middle) Projecting part : 12 cm

Width : 70 cm (base) Projection from base: (N) cm(S) 15 cm
43 cm (top)

Masonry : Northern wall. 5 — 6 courses, irregular.
Southern wall. 5 courses, regular.
Western wall. Built between long walls, irregular.
Interspaces contain nothing

Stone size (Length is parallel to grave chamber)

Long walls of chamber	Projecting upper part
(Long x thick) cm	(L.x W. x thick) cm
60 x 29	—
53 x 29	—

Re-use of existing R.W. (ringwall) for chamber: On East

Surface of B.R.(bed rock): Original

THE ALCOVE

Location : South wall **Re-use** of existing R.W. face: on South

Capstone : L. 59 x W. 55 x thick 14 cm

Width (of mouth); 42 cm **Length** : 47 cm **Height** (from B.R.): 63 cm

Remarks :

STRATIGRAPHY OF GRAVE CHAMBER

Layer(1) below capstone level: 70 cm uniformly laid sand.
No water laid streaks.

Layer(2): 27 cm thick earth with small stones and water deposited sandy soil.

Floor level above B.R.: Nearly 3 cm. Not well defined. Indicated by presence of bones.

CONTENTS OF GRAVE

Skeletal remains : Pieces only, poor condition.

Stones:

Metals :

Shells :

Bitumen-lined materials :

Other :

Ceramics : Fine red 'Barbar' Ware with incised lines on vertical neck.
Ridged Ware, pale-red body and cream slipped.

THE RINGWALL

Length (external, upper part): 260 cm **Width :** 41 cm

Max. Height : 124 cm of 9 courses. Interspaces contain small stones.

Stone size (wall face) in cm

Long x thick	Long x thick	(top of wall)		cm
		L.	x W.	x thick
48 x 47	34 x 45			
35 x 24	42 x 40			

Filling between R.W. and grave: Earth and gravel only.
Uniform filling.

Remarks :

BURIAL — 7

Square D/A1 (Feature 3 & 4); D/A2 (12 & 11)

THE GRAVE CHAMBER

Orientation of grave chamber : 54° — NE

Capstones : Three I.(from East) L. 81 x W. 35 x thick 18 cm
II.96 x 56 x 20 cm III.87 x54 x 17 cm IV. cm

Length : 153 cm(N) **Height** (overall from bed rock): 92 cm.
171 cm(S) Chamber walls : 73 cm (S) 84
cm(middle) Projecting part : 18 cm

Width : 91cm(base) Projection from base : (N) 29 cm(S) 18 cm
51 cm(top)

Masonry : Northern wall. 3-4 courses, irregular. Large stones at lower level.
Southern wall. 4 courses, irregular.
Western wall. Built between long walls, irregular.
Interspaces contain small stones

Stone size (Length is parallel to grave chamber)

Long walls of chamber (Long x thick) cm	Projecting upper part (L. x W. x thick) cm
51 x 31 36 x 23	15 x 36 x 11
40 x 25 40 x 20	39 x 69 x 9
25 x 19	31 x 56 x 16

Re-use of existing R.W. (ringwall) for chamber: R.W. on East Surface of B.R. (bed rock):
Original

THE ALCOVE

Location : North wall **Re-use** of existing R.W. face : on North

Capstone : L.82 x W.65 x thick27 cm

Width (of mouth): 47 cm **Length**: 67 cm **Height** (from B.R.): 55 cm

Remarks :

STRATIGRAPHY OF GRAVE CHAMBER

Layer(1) below capstone level: Sand, 67 cm

Layer(2): Earth and few stones, 18 cm.

Floor level above B.R.: Earth, 7 cm

CONTENTS OF GRAVE

Skeletal remains :

Stones :

Metals : Bronze pieces only (SR 22)

Shells :

Bitumen-lined materials :

Other :

Ceramics :

THE RINGWALL

Length (external, upper part): 480 cm **Width:** 30-43 cm

Max. Height : 114 cm of 13 courses. Interspaces contain a few small stones.

Stone size (wall face) in cm

Long x thick Long x thick
52 x 20
28 x 22

(top of wall)

L. 47 x W.28 x thick 32 cm
L. 47 x W. 21 x thick 30 cm
L. 38 x W. 50 x thick 30 cm
L. 20 x W. 26 x thick 15 cm

Filling between R.W. and grave :

Uniform deposit of gravel and small stones mixed with earth.

Remarks:

BURIAL — 8

Square D/A1 (Feature 5); D/B1 (3 & 4); D/A2 (10); D/B2(1)

THE GRAVE CHAMBER

Orientation of grave chamber: 64° — E.NE

Capstones : Three I. (from East) L.105 x W.51 x thick 19 cm
II.100 x 43 x 23 cm III.84 x 64 x 26 cm IV. cm

Length: 165cm(N) **Height** (overall from bed rock): 111 cm
162cm(S) Chamber walls : 88 cm (S) 91
cm(middle) Projecting part : 23 cm (S) 21

Width : 88cm (base) Projection from base : (N) 20 cm (S) 21 cm
46cm (top)

Masonry : Northern wall.3-5 course, irregular. Large stones at basal level.
Southern wall. 4 courses, irregular.
Western wall. Built beside Ringwall, irregular.
Interspaces contain few small stones.

Stone size (Length is parallel to grave chamber)

Long walls of chamber (Long x thick) cm	Projecting upper part (L. x W. x thick) cm
43 x 36 76 x 26	41 x 59 x 23
51 x 22 66 x 29	69 x 53 x 28
32 x 18	38 x 63 x 17

Re-use of existing R.W. (ringwall) for chamber: R.W. on East Surface of B.R. (bed rock):
Original

THE ALCOVE

Location : North wall **Re-use** of existing R.W. face: on North

Capstone : L. 90 x W. 66 x thick 22 cm

Width (of mouth); 43 cm **Length** : 66 cm **Height** (from B.R.): 93* cm

Remarks : The chamber is damaged at western end.

* Unusually high alcove.

STRATIGRAPHY OF GRAVE CHAMBER

Layer(1) below capstone level: Sand with clay streaks, 70 cm

Layer(2): Loose earth and few stones, 24 cm

Floor level above B.R.: Earth and sand, 17 cm.

CONTENTS OF GRAVE

Skeletal remains:

Stones :

Metals:

Shells :

Bitumen-lined materials :

Other :

Ceramics :

THE RINGWALL

Length (external, upper part) : 564 cm **Width:** 28-48 cm

Max. Height : 128 cm of 9 courses. Interspaces contain a few small stones.

Stone size (wall face) in cm		(top of wall)
Long x thick	Long x thick	L.48 x W. 27 x thick 28 cm
34 x 28	54 x 30 29 x 26	L.65 x W. 36 x thick 23 cm
47 x 21	20 x 16	L.72 x W. 37 x thick 22 cm

Filling between R.W. and grave: Uniform deposit of gravel and small stones.

Remarks.

BURIAL — 10

Square D/B1 (Feature 8 & 7);

THE GRAVE CHAMBER

Orientation of grave chamber : 70° — E - NE

Capstones : One I. (from East) L. x W. x thick cm
II. cm III. 84 x 43 x 18 cm IV. cm

Length: 144 cm (N) **Height** (overall from bed rock): 117 cm
155 cm (S) Chamber walls : 70 cm
cm (middle) Projecting part : 45 cm

Width : 81 cm (base) Projection from base : (N) 40 cm(S) 12 cm
33 cm (top)

Masonry : Northern wall. 3 — 4 courses, irregular.
Southern wall. 3 courses, regular.
Western wall. Built between long walls. irregular.
Interspaces contain small stones.

Stone size (Length is parallel to grave chamber)

Long walls of chamber	Projecting upper part
(Long x thick) cm	(L. x W. x thick) cm
47 x 20	50 x 40 x 16
40 x 25	47 x 58 x 14

Re-use of existing R.W. (ringwall) for chamber : On East
Surface of B.R. (bed rock) : Secondary.

THE ALCOVE

Location : North wall **Re-use** of existing R.W. face: 2 R.W. on N.

Capstone : L.71 x W. 54 x thick 23 cm

Width (of mouth); 35 cm **Length** : 60 cm **Height** (from B.R.) : 57 cm

Remarks : West wall of the burial chamber in damaged condition. Survived to two courses only up to 52 cm height from B.R. Depth is unusual as compared to other burials.

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : About 75 cm thick sand.

Layer (2) : 36 — 42 cm thick earth and sand mixed with few small stones.

Floor level above B.R. : Not recognisable. Nothing was found to indicate original level.

CONTENTS OF GRAVE

Skeletal remains :

Stones :

Metals :

Shells :

Bitumen-lined materials :

Other :

Ceramics :

THE RINGWALL

Length (external, upper part) : 420 cm **Width** : 41 43 cm

Max. Height : 105 cm of 5 courses. Interspaces contain nothing.

Stone size (wall face) in cm		(top of wall)	
Long x thick	Long x thick	L.	x W. x thick cm
52 x 25			
38 x 22			

Filling between R.W. and grave: Earth, gravel and few very small stones.

Remarks:

BURIAL — 14

Square D/C1 (Feature 2 & 3)

THE GRAVE CHAMBER

Orientation of grave chamber : 60° — NE

Capstones: Three* I. (from East) L. 100 x W. 50 x thick 20 cm
II. 99 x 54 x 30 cm III. 100 x 75 x 20 cm IV. cm

Length : 165 cm (N) **Height** (overall from bed rock) : 96 cm
157 cm (S) Chamber walls : 70 cm
cm (middle) Projecting part : 33 cm (S) 29

Width : 81 cm (base) Projection from base : (N) 19 cm (S) 32 cm
32 cm (top)

Masonry : Northern wall. 4 courses, regular. (large stones in two courses below)
Southern wall. 4 courses, regular.
Western wall. Built beside Ringwall, irregular.
Interspaces contain small stones

Stone size (Length is parallel to grave chamber)

Long walls of chamber
(Long x thick) cm
40 x 28
27 x 11
50 x 31

Projecting upper part
(L. x W. x thick) cm
50 x 59 x 21
48 x 50 x 15

Re-use of existing R.W.(ringwall) for chamber : R.W. on East
Surface of B.R.(bed rock): Original but levelled.

THE ALCOVE

Location: South wall **Re-use** of existing R.W. face: on South

Capstone: L. 81 x W. 51 x thick 26 cm

Width (of mouth) : 42 cm **Length** : 48 cm **Height** (from B.R.) : 64 cm

Remarks : * Small stones infilled spaces between capstones.

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : 45 cm thick sand.

Layer (2) : 47 cm of loose earth and small stones.

Floor level above B.R. : 4 cm thick earth.

CONTENTS OF GRAVE

Skeletal remains :

Stones : Steatite vase (SR 59)

‘Dilmun’ seal with elaborate designs (SR 200).

Metals : Bronze finger rings (SR 50 and 51).

Shells :

Bitumen-lined materials : Fragments (floor alcove).

Other :

Ceramics :

THE RINGWALL

Length (external, upper part) : 486 cm **Width** : 21 cm

Max. Height : 140 cm of 7 courses. Interspaces contain nothing.

Stone size (wall face) in cm		(top of wall)	
Long x thick	Long x thick	L. x W.	x Thick cm
48 x 35	36 x 32		
34 x 12			

Filling between R. W. and grave : Earth, gravel and few small stones. Uniform deposit.

Remarks:

BURIAL — 15

Square D/C1 (Feature 6 & 7)

THE GRAVE CHAMBER

Orientation of grave chamber : 60° — NE

Capstones : Four I. (from East) L. 94 x W. 53 x thick 22 cm
II. 57 x 33 x 16 cm III. 67 x 35 x 11 cm IV. 78 x 29 x 20 cm

Lengths : 161 cm (N) **Height** (overall from bed rock) : 95 cm
169 cm (S) Chamber walls : 67 cm (S) 60
cm (middle) Projecting part : 25 cm

Width : 91 cm (base) Projection from base : (N) 22 cm (S) 30 cm
40 cm (top)

Masonry : Northern wall. 4 courses, regular. Lower two courses of large stones.
Southern wall. 4 courses, regular.
Western wall. Built between long walls irregular.
Interspaces contain nothing

Stone Size (Length is parallel to grave chamber)

Long walls of chamber (Long x thick) cm		Projecting upper part (L. x W. x thick) cm
46 x 21	47 x 17	56 x 34 x 12
38 x 14	50 x 19	21 x 43 x 10

Re-use of existing R.W. (ringwall) for chamber : R.W. on East
Surface of B.R. (bed rock) : Original but levelled.

THE ALCOVE

Location : South wall **Re-Use** of existing R.W. face : on South

Capstone: L. 82 x W. 51 x thick 14 cm

Width (of mouth); 44* cm **Length** : 53 cm **Height** (from B.R.): 54 cm

Remarks : * It narrows at back.

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : Sand, 75 cm.

Layer (2) : Earth and bits of stones, 17 cm.

Floor level above B.R. : Hard earth, 3 cm.

CONTENTS OF GRAVE

Skeletal remains : Few bones in poor condition.

Stones :

Metals :

Shells :

Bitumen-lined materials :

Other :

Ceramics :

THE RINGWALL

Length (external, upper part) : 500 cm **Width** : 23 28 cm

Max. Height : 128 cm of 8 courses. Interspaces contain nothing.

Stone size (wall face) in cm		(top of wall)
Long x thick	Long x thick	L.42 x W. 53 x thick 15 cm
35 x 11	41 x 12	
27 x 7		

Filling between R.W. and grave : Earth, gravel and few small stones. Uniform deposit.

Remarks:

BURIAL — 16

Square D/B1 (Feature 6 & 12); D/C1 (7 — 8)

THE GRAVE CHAMBER

Orientation of grave chamber : 55° — NE (L-shaped)

Capstones : three I. (from East) L. 68 x W. 62 x thick 20 cm
II. 98 x 50 x 16 cm III. 57 x 55 x 13 cm IV. missing cm

Length : 155 cm (N) **Height** (overall from bed rock) : 86 cm
161 cm (S) Chamber walls : 69. cm (S) 83
cm (middle) Projecting part : 33 cm (S) 20
Width : 90 cm (base) Projection from base : (N) 21 cm (S) 15 cm
38 cm(top)

Masonry : Northern wall. 4 courses, regular.
Southern wall. 3 courses, regular.
Western wall. Built between long walls, irregular.

Interspaces contain small stones.

Stone size (Length in parallel to grave chamber)
Long walls of chamber Projecting upper part
(Long x thick) cm (L. x W. x thick) cm
72 x 15 60 x 24 51 x 62 x 15
62 x 13 58 x 22 54 x 48 x 17

Re-use of existing R.W. (ringwall) for chamber : at NE corner
Surface of B.R. (bed rock) : Original but levelled.

THE ALCOVE

Location : South wall **Re-use** of existing R.W. face : on South

Capstone : corbelled L. x W. x thick cm

Width (of mouth); 35 cm **Length** : 40 cm **Height** (from B.R.) : 60 cm

Remarks : The grave was robbed in antiquity. The capstone on extreme west was missing.
The alcove narrows on western side near the face of R.W. it re-uses.

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : 65 cm thick sand deposit intervened by water laid gravel below the level of projecting stones.

Layer (2) : 21 cm thick hard earth and pockets of irregularly laid sand; water affected.

Floor level above B.R. : Not well defined.

CONTENTS OF GRAVE

Skeletal remains :

Stones :

Metals : Bronze spearhead, fragment (SR 8).

Shells :

Bitumen-lined materials :

Other :

Ceramics :

THE RINGWALL

Length (external, upper part) : 500 cm **Width** : 36 - 40 cm

Max. Height : 131 cm of 8 courses. Interspaces contain nothing.

Stone size (wall face) in cm		(top of wall)	
Long x thick	Long x thick	L. x W.	x thick cm
38 x 14	40 x 15		
35 x 17	35 x 20		

Filling between R.W. and grave : Earth, gravel and very small stones. Uniform deposit.

Remarks : The eastern end of R.W. is broken.

BURIAL — 16A

Square D/B1 (Feature 5); D/B2 (14 & 13)

THE GRAVE CHAMBER

Orientation of grave chamber : 52° — NE

Capstones : Three* I. (from East) L. 56 x W. 66 x thick 15 cm
II. 74 x 56 x 17 cm III. 86 x 51 x 20 cm IV. cm

Length : 128 cm (N) **Height** (overall from bed rock) : 119 cm
177 cm (S) Chamber walls : 68 74 cm (S) 107
cm (middle) Projecting part : 27 - 40 cm (S) 12

Width : 87 cm (base) Projection from base : (N) 41 cm (S) 7 cm
37 cm (top)

Masonry : Northern wall. 4 courses, regular.
Southern wall. 4 courses, regular.
Western wall. Built between long walls, irregular.
Interspaces contain small stones

Stone size (Length is parallel to grave chamber)

Long walls of chamber (Long x thick) cm	Projecting upper part (L. x W. x thick) cm	
45 x 22	40 x 54 x 18	23 x 56 x 11
31 x 16	28 x 54 x 12	24 x 52 x 10
66 x 19		

Re-use of existing R.W. (ringwall) for chamber : Two ringwalls on East
Surface of B.R. (bed rock) : Original

THE ALCOVE

Location : No alcove **Re-use** of existing R.W. face :

Capstone : L. x W. x thick cm

Width (of mouth) : cm **Length** : cm **Height** (from B.R.) : cm

Remarks : The chamber was robbed from its western side.

* Small stones infilled gaps between the capstones.

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : Sand, 68 cm.

Layer(2) : Earth and few small stones, 38 - 40 cm.

Floor level above B.R. : Earth, up to 13 cm.

CONTENTS OF GRAVE

Skeletal remains : Few.

Stones :

Metals : Bronze spearhead with tang (SR 47).

Shells :

Bitumen-lined materials :

Other :

Ceramics : Ridged ware, piece of neck.

THE RINGWALL

Length (external, upper part) : 400 cm **Width** : 26 51 cm

Max. Height : 131 cm of 9 courses. Interspaces contain small stones.

Stone size (wall face) in cm		(top of wall)	
Long x thick	Long x thick	L. x W.	x thick cm
17 x 15	37 x 12		
40 x 21	50 x 19		

Filling between R.W. and grave : Uniform deposit of earth mixed with gravel and small stones.

Remarks :

BURIAL — 17

Square D/B2 (Feature 2 & 3); D/A2 (9)

THE GRAVE CHAMBER

Orientation of grave chamber : 50° — NE

Capstones : Three I. (from East) L. 77 x W. 54 x thick 10 cm
II. 83 x 42 x 16 cm III. 67 x 41 x 13cm IV. cm

Length : 180 cm (N) **Height** (overall from bed rock) : 19 cm
145 cm (S) Chamber walls : 68 cm
cm (middle) Projecting part : 28 cm

Width : 76 cm (base) Projection from base : (N) 19 cm (S) 15 cm
44 cm (top)

Masonry : Northern wall. 4 courses, irregular.
Southern wall. 4 courses, irregular.
Western wall. Built between long walls, irregular.

Interspaces contain nothing

Stone size (Length is parallel to grave chamber)

Long walls of chamber		Projecting upper part
(Long x thick) cm		(L. x W. x thick)cm
32 x 13	28 x 20	40 x 60 x 25
47 x 22	29 x 12	40 x 61 x 12

Re-use of existing R.W.(ringwall) for chamber : R.W. on East

Surface of B.R. (bed rock) : Original

THE ALCOVE

Location : South wall **Re-use** of existing R.W. face : on South

Capstone : L. 65 x W. 51 x thick 13 cm

Width (of mouth): 40 cm **Length** : 48 cm **Height** (from B.R.): 60 cm

Remarks :

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : Sand and clayish streaks, 56 cm.

Layer (2) : Loose earth and bits of stone, 30 cm.

Floor level above B.R. : Hard earth and pieces of stones, not properly recognizable

CONTENTS OF GRAVE

Skeletal remains :

Stones :

Metals :

Shells :

Bitumen-lined materials :

Other :

Ceramics :

THE RINGWALL

Length (external, upper part) : 530 cm **Width** : 15 34 cm

Max. Height : 140 cm of 13 courses. * Interspaces contain nothing.

Stone size (wall face) in cm		(Top of wall)	
Long x thick		Long x thick	L. x W. x thick cm
15 x 12	17 x 8	40 x 19	
17 x 9	23 x 6	33 x 21	

Filling between R.W. and grave : Uniform deposit of earth, small stones and gravel.

Ramarks : * Large stones, three courses at lower level and the remaining consists of small stones.

BURIAL — 18

Square D/A2 (Feature 8 & 7); D/B2 (4)

THE GRAVE CHAMBER

Orientation of grave chamber : 60° — NE

Capstones : Two I. (from East) L. 148 x W. 80 x thick 15 17 cm
II. cm III. cm IV. cm.

Length : 158 cm (N) **Height** (overall from bed rock) : 121 cm
150 cm (S) Chamber walls : 83 cm (S) 81
cm (middle) Projecting part : 28 cm (S) 36
Width : 90 cm (base) projection from base : (N) 28 cm (S) 18 cm
46 cm (top)

Masonry : Northern wall. 6 courses, regular.
Southern wall. 6 courses, regular.
Western wall. All broken.

Interspaces contain nothing.

Stone size (Length is parallel to grave chamber)

Long walls of chamber (Long x thick) cm	Projecting upper part (L. x W. x thick)cm
30 x 20	46 x 35 x 11
28 x 6	33 x 41 x 10

Re-use of existing R.W. (ringwall) for chamber : R.W. on East

Surface of B.R. (bed rock) : Original

THE ALCOVE

Location : North wall **Re-use** of existing R.W. face : on North

Capstone : L. 74 x W. 61 x thick 87 cm

Width (of mouth) : 52 cm **Length** : 46E* 73W cm **Height** (from B.R.): 96 cm

Remarks :* Alcove is angled on western side and narrows to 25 cm width as it reaches the face of R.W. it utilizes. It was due to sharp curve of R.W. on N.

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : Sand, 72 cm.

Layer(1A) Soft sandy and clayish, up to 20 cm thick.

Layer(2) : Stones and earth, 20 cm.

Floor level above B.R. : Hard earth with gravel, 11 cm.

CONTENTS OF GRAVE

Skeletal remains :

Stones :

Metals : Bronze knife blade (SR 18)

Shells :

Bitumen-lined materials :

Other :

Ceramics : Red tempered ware (of large vessel).

THE RINGWALL

Length (external, upper part) : 420 cm **Width** : 24 - 48 cm

Max. Height : 160 cm of 11 courses. Interspaces contain small stones.

Stone size (wall face) in cm		(top of wall)
Long x thick	Long x thick	L. 30 x W. 45 x thick 16 cm
34 x 12	33 x 18	
24 x 11		

Filling between R.W. and grave : Uniform deposit of earth mixed with gravel and stones.

Remarks :

BURIAL — 19

Square D/A2 (Feature 4 & 5); D/A3 (6 & 5)

THE GRAVE CHAMBER

Orientation of grave chamber : 56° — NE

Capstones : Two I. (from East) L. none x W. x thick cm
II. 126 x 60 x 17 cm III. 114 x 62 x 15 cm IV. cm

Length : 154 cm (N) **Height** (overall from bed rock) : 86 cm
145 cm (S) Chamber walls : 67 cm
cm (middle) Projecting part : 16 cm (S) 21

Width : 82-7 cm (base) Projection from base : (N) 19 cm (S) 20 cm
47 cm (top)

Masonry : Northern wall. 3 - 4 courses, regular. Large stones are used in the lower part
Southern wall. 5 - 6 courses, irregular.
Western wall. Built between long walls, irregular.

Interspaces contain nothing

Stone size (Length is parallel to grave chamber)

Long walls of chamber (Long x thick) cm		Projecting upper part (L. x W. x thick) cm
47 x 26	21 x 17	25 x 49 x 10
39 x 18	27 x 14	40 x 58 x 10
26 x 9	23 x 5	

Re-use of existing R.W. (ringwall) for chamber : Ringwall on East

Surface of B.R. (bed rock) : Secondary

THE ALCOVE

Location : South wall **Re-use** of existing R.W. face : None

Capstone : L. 97 x W. 68 x thick 19 cm

Width (of mouth) ; 45 cm **Length** : 30 cm **Height** (from B.R.) : 73 cm

Remarks :

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : Sand, 54 cm.
Layer(2) : Loose brown earth, 22 cm.
Floor level above B.R. : Hard earth mixed gravel, 10 cm.

CONTENTS OF GRAVE

Skeletal remains : (Female) bones.

Stones : Fragment of steatite cup, plain surface. Steatite cup with dot-in-circle design (SR 19).
Bowl (SR 291).

Metals : Pieces of bronze antimony rod (SR 23).
Earring (SR 25).

Shells : 24 shells, small size.

Bitumen-lined materials : Pieces with basket marks belonging to spherical basket, at least 14 cm in diameter.

Other :

Ceramics : Fine red 'Barbar' Ware.

THE RINGWALL

Length (external, upper part) : 513* cm **Width** : 22 58 cm

Max. Height : 165 cm of 10 courses. Interspaces contain nothing.

Stone size (wall face) in cm		(Top of wall)
Long x thick	Long x thick	L. 36 x W. 30 x thick 14 cm
70 x 28	19 x 15	25 x 13
40 x 14	57 x 35	

Filling between R.W. and grave : Many stones mixed with earth and gravel. Uniform deposit.

Remarks :⁺ A part of R.W. is still under unexcavated northern section. The lowermost part (2 courses) is built of large sized stones; the middle with stones of medium size and the uppermost part contains small stones.

BURIAL — 22

Square D/A3 (Feature 4 & 3)

THE GRAVE CHAMBER

Orientation of grave chamber : 60° — NE

Capstones : Three I. (from East) L. 120 x W. 70 x thick 19 cm
II. 140 x 69 x 25 cm III. 82 x 70 x 17 cm IV.

Length : 155 cm (N) **Height** (overall from bed rock) : 95 cm
158 cm (S) Chamber walls (N) : 72 6 cm (S) 75 84
cm (middle) Projecting part : 19 cm (S) 26

Width : 75 cm (base) Projection from base : (N) 11 cm (S) cm
54 cm (top)

Masonry : Northern wall. 4 courses, regular. Large stones at base
Southern wall. 4 courses, regular.
Western wall. Built beside Ringwall, irregular.
Interspaces contain small stones

Stone size (Length is parallel to grave chamber)

Long walls of chamber (Long x thick) cm		Projecting upper part (L. x W. x thick) cm
37 x 20	23 x 17	37 x 44 x 16
35 x 18	51 x 18	26 x 44 x 12
		40 x 54 x 11

Re-use of existing R.W. (ringwall) for chamber : R.W. on East

Surface of B.R. (bed rock) : Secondary.

THE ALCOVE

Location : North wall **Re-use** of existing R.W. face : on North

Capstone : L. 68 x W. 47 x thick 28 cm

Width (of mouth): 30 cm **Length** : 60 cm **Height** (from B.R.): 70 cm

Remarks :

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : Sand, 70 cm.

Layer (2) : 15 - 20 cm earth and few stones.

Floor level above B.R. : Approximately 5 cm thick hard earth.

CONTENTS OF GRAVE

Skeletal remains : Pieces.

Stones :

Metals :

Shells :

Bitumen - lined materials :

Other :

Ceramics : 'Barbar' Ware, basal part (SR 302)

THE RINGWALL

Length (external, upper part) : 490 cm **Width** : 26 - 31 cm

Max. Height : 131 cm of 11 courses. Interspaces contain nothing.

Stone size (wall face) in cm		(top of wall)	
Long x thick	long x thick	L. x W.	x thick cm
21 x 14	35 x 14		
20 x 20			

Filling between R.W. and grave : Many stones, gravel and some earth . Uniform.

Remarks :

BURIAL — 23

Square D/A3 (Feature 1 & 2); D/B3 (1); D/A2 (6); D/B2 (5 & 6)

THE GRAVE CHAMBER

Orientation of grave chamber : 76° — E NE

Capstones : Three* I. (from East) L. 100 x W. 37 53 x thick 21 cm

II. 112 x 52 x 30 cm III. 102 x 48 x 27 cm IV. cm

Length : 149 cm (N) **Height** (overall from bed rock) : 96 cm
160 cm (s) Chamber walls : 77 cm
cm (middle) Projecting part : 19 cm

Width : 77 cm (base) Projection from base : (N) 13 cm (S) 8 cm
59 cm (top)

Masonry : Northern wall. 3 - 4 courses, regular.
Southern wall. 3 courses, regular.
Western wall. Built between long walls, irregular.
Interspaces contain a few small stones

Stone size (Length is parallel to grave chamber)

Long walls of chamber (Long x thick) cm		Projecting upper part (L. x W. x thick)cm
38 x 23	41 x 24	20 x 50 x 8
42 x 19	30 x 15	18 x 44 x 9
35 x 25		27 x 46 x 13

Re-use of existing R.W. (ringwall) for chamber : Ringwall on East.

Surface of B.R. (bed rock) : Original

THE ALCOVE

Location : South wall **Re-use** of existing R.W. face : None

Capstone : L. 74 x W. 55 x thick 22 cm

Width (of mouth); 43 cm **Length** : 52 cm **Height** (from B.R.) : 71 cm

Remarks : * Small stones infilled spaces between the capstones.

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : Sand, 65 cm

Layer (2) : Earth and few stones, 19 cm.

Floor level above B.R. : Earth mixed with sandy soil, 12 cm.

CONTENTS OF GRAVE

Skeletal remains :

Stones : Bead (SR 48). Seal (SR 210).

Metals : Bronze sheet pieces (SR 228).

Shells : Twelve (SR 227).

Bitumen-lined materials : Pieces only.

Other :

Ceramics : Red 'Barbar' Ware.

THE RINGWALL

Length (external, upper part) : 500 cm **Width** : 21 48 cm

Max. Height : 156 cm of 9 courses. Interspaces contain nothing.

Stone size (wall face) in cm		(top of wall)
Long x thick	Long x thick	L. 36 x W. 34 x thick 11 cm
63 x 28	22 x 11	L. 18 x W. 23 x thick 14 cm
33 x 17	22 x 24	L. 33 x W. 28 x thick 18 cm
	36 x 21	

Filling between R.W. and grave :

Uniform. A lot of gravel and small stones.

Remarks :

BURIAL — 24

Square D/B2 (Feature 7 & 8)

THE GRAVE CHAMBER

Orientation of grave chamber : 68° — E - NE

Capstones : Three I. (from East) L. 74 x W. 109 x thick 22 cm
II. 90 x 40 x 22 cm III. 111 x 54 x 17 cm IV. cm

Length : 137 cm (N) **Height** (overall from bed rock) : 109 cm
170 cm (S) Chamber walls : 78 cm (S) 81
cm (middle) Projecting part : 33 cm (S) 21

Width : 80 cm (base) Projection from base : (N) 21 cm (S) 10 cm
54 cm (top)

Masonry : Northern wall. 5 courses, irregular.
Southern wall. 5 courses, irregular.
Western wall. Built beside Ringwall, irregular.

Interspaces contain nothing

Stone size	(Length is parallel to grave chamber)	
	Long walls of chamber	Projecting upper part
	(Long x thick) cm	(L. x W. x thick) cm
38 x 38	34 x 19	41 x 70 x 17
45 x 15	50 x 18	48 x 80 x 18

Re-use of existing R.W. (ringwall) for chamber : R.W. on East

Surface of B.R. (bed rock) : Original

THE ALCOVE

Location : North wall **Re-use** of existing R.W. face : on North

Capstone : L. 90 x W. 66 x thick 17 cm

Width (of mouth): 45 cm **Length** : 48 cm **Height** (from B.R.) : 76 cm

Ramarks :

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : Sand with clayish streaks, 76 cm.

Layer (2) : Small stones and earth, 30 cm.

Floor level above B.R. : Not well defined, about 3 cm strip of earth in places.

CONTENTS OF GRAVE

Skeletal remains :

Stones :

Metals :

Shells :

Bitumen-lined materials :

Other :

Ceramics :

THE RINGWALL

Length (external, upper part) : 465 cm **Width** : 33 - 43 cm

Max. Height : 128 cm of 8 courses. Interspaces contain nothing.

Stone size (wall face) in cm		(top of wall)
Long x thick	Long x thick	L. 28 x W. 29 x thick 20 cm
22 x 17	56 x 26	L. 53 x W. 43 x thick 25 cm
51 x 15		

Filling between R.W. and grave : Gravel, earth and small stones.
Uniform deposit.

Remarks :

BURIAL — 25

Square D/B2 (Feature 12 & 11); D/C2 (3)

THE GRAVE CHAMBER

Orientation of grave chamber : 78° — E NE

Capstones : Three* I. (from East) L. 90 x W. 45 x thick 18 cm
II. 92 x 63 x 16 cm III. 64 x 60 x 14 cm IV. cm

Length : 134 cm (N) **Height** (overall from bed rock) : 98 cm
190 cm (S) Chamber walls : 76 cm (S) 80
cm (middle) Projecting part : 20 cm (S) 15

Width : (E) 80 cm (base) 83 (W) Projection from base : (N) 25 cm (S) 22 cm
42 cm (top)

Masonry : Northern wall. 6 courses, irregular.
Southern wall. 6 courses, irregular.
Western wall. Built beside Ringwall, very irregular.
Interspaces contain nothing

Stone size (Length is parallel to grave chamber)

Long walls of chamber		projecting upper part	
Long x thick) cm		(L. x W. x thick) cm	
32 x 33	32 x 21	45 x 57 x 15	42 x 68 x 19
55 x 13	16 x 8	32 x 51 x 7	42 x 52 x 22
37 x 15	12 x 8	49 x 74 x 24	

Re-use of existing R.W. (ringwall) for chamber : R.W. on East

Surface of B.R.(bed rock) : Original but levelled.

THE ALCOVE (Corbelled back)

Location : South wall **Re-use** of existing R.W. face : None

Capstone : L.84 x W. 53 x thick 35 cm

Width (of mouth); 40cm **Length** : 38 (W) 52 (E) **Height** (from B.R.) : 61 cm

Remarks : * Interspaces of capstones were infilled with small stones.

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : 54 cm thick sand.

Layer (2) : 35 cm thick loose earth mixed with small stones.

Floor level above B.R. : Sandy soil, 9 cm.

CONTENTS OF GRAVE

Skeletal remains :

Stones :

Metals :

Shells :

Bitumen-lined materials :

Other :

Ceramics :

THE RINGWALL

Length (external, upper part) : 482 cm **Width** : 18 38 cm

Max. Height : 142 cm of 6 courses. Interspaces contain nothing.

Stone size (wall face) in cm			(Top of wall)
Long x thick		Long x thick	L. 27 x W. 23 x thick 9 cm
63 x 35	24 x 17	23 x 16	
46 x 16	41 x 16	37 x 18	

Filling between R.W. and grave : Earth, gravel and small stones. Uniform.

Remarks :

BURIAL — 26

Square D/C2 (Feature 10 & 4); D/C1 (13 & 9)

THE GRAVE CHAMBER

Orientation of grave chamber : 64° — E NE

Capstones : Three* I. (from East) L. 103 x W. 58 x thick 10 cm.
II. 107 x 57 x 18 cm III. 87 x 50 x 16 cm IV. cm.

Length : 153 cm (N) **Height** (overall from bed rock) : 85 cm
170 cm (S) Chamber walls : 76 cm (S) 67
cm (middle) Projecting part : 14 cm (S) 15

Width : 74 cm (base) Projection from base : (N) 27 cm (S) 13 cm
38 cm (top)

Masonry : Northern wall. 5 courses, regular.
Southern wall. 5 courses, regular.
Western wall. Built between long walls, irregular.
Interspaces contain nothing.

Stone size (Length is parallel to grave chamber)

Long walls of chamber (Long x thick) cm		Projecting upper part (L. x W. x thick) cm
33 x 22	29 x 15	34 x 46 x 11
25 x 13	14 x 9	25 x 47 x 4
33 x 20	22 x 14	22 x 44 x 7

Re-use of existing R.W. (ringwall) for chamber : R.W. on East
Surface of B.R. (bed rock) : Original

THE ALCOVE

Location : North wall **Re-use** of existing R.W. face : on North.

Capstone : L. 70 x W. 60 x thick 14 cm

Width (of mouth) : 32 cm **Length** : 43(W), 48(E) cm **Height** (from B.R.) : 67 cm.

Remarks : * Interspaces of capstones are infilled with small stones on top and sides.

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : Sand, 60 cm.

Layer (2) : Loose earth, 17 cm.

Floor level above B.R. : Gravel and earth, 8 cm.

CONTENTS OF GRAVE

Skeletal remains :

Stones :

Metals : Bronze knife (SR 65).

Shells :

Bitumen-lined materials : Pieces only.

Other :

Ceramics : Red 'Barbar' Ware. Thick, coarse ware.

THE RINGWALL*

Length (external, upper part) : 510 cm **Width** : 24 57 cm

Max. Height : 141 cm of 10 courses. Interspaces contain nothing.

Stone size (wall face) in cm		(top of wall)
Long x thick	Long x thick	L. 29 x W. 41 x thick 16 cm
54 x 24	30 x 40	L. 34 x W. 20 x thick 18 cm
35 x 15	23 x 12	
19 x 11	21 x 18	

Filling between R.W. and grave : Sand on top, 7 8 cm thick sealing capstones and ringwall. Down to the bottom of capstones filling consists of small stones, gravel and earth, 36 cm thick. Further below is earth and gravel only, more than 27 cm thick.

Remarks : Between the exterior edge of the grave chamber and ringwall a retaining wall (a rare occurrence at Sar) is built in SW corner.

* The ringwall shows two constructions; of large stones below and small stones above the level of projecting stones coinciding with two fillings between the grave and ringwall.

BURIAL — 27

Square D/C1 (Feature 10 & 11); D/C2 (5)

THE GRAVE CHAMBER

Orientation of grave chamber : 60° — NE

Capstones : Two I. (from East) L. x W x thick cm
II. 73 x 43 x 15 cm III. 122 x 56 x 15 cm IV. cm

Length : cm (N) **Height** (overall from bed rock) : 100 cm
cm (S) Chamber walls : 88 cm (S) 74
184 cm (middle) Projecting part : cm (S) 20

Width : 86 cm (base) Projection from base : (N) 36 cm (S) 21 cm
35 cm (top)

Masonry : Northern wall. 6 courses, regular.
Southern wall. 5 courses, regular.
Western wall. Built between long walls, irregular.
Interspaces contain small stones.

Stone size (Length is parallel to grave chamber)

Long walls of chamber (Long x thick) cm		Projecting upper part (L. x W. x thick) cm
50 x 25	24 x 13	78 x 55 x 13
47 x 26	60 x 16	56 x 58 x 26
		63 x 32 x 15
		58 x 60 x 11

Re-use of existing R.W. (ringwall) for chamber : 2 ringwalls on East.
Surface of B.R. (bed rock) : Original

THE ALCOVE

Location : North wall **Re-use** of existing R.W. face : on North

Capstone : L. 78 x W. 64 x thick 18 cm

Width (of mouth) : 55 cm **Length** : 65 cm **Height** (from B.R.) : 70 cm

Remarks :

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : 70 cm thick sand.

Layer (2) : 30 cm thick loose earth and small stones.

Floor level above B.R. : Very thin layer of sand. Not well defined.

CONTENTS OF GRAVE

Skeletal remains : Present.

Stones :

Metals : Small pieces of bronze.

Shells :

Bitumen-lined materials : Pieces only.

Other :

Ceramics : Potsherds of red 'Barbar' Ware.

THE RINGWALL

Length (external, upper part) : 515 cm **Width** : 34 37 cm

Max. Height : 143 cm of 7 courses. Interspaces contain few small stones.

Stone size (wall face) in cm		(top of wall)
Long x thick	Long x thick	L. 45 x W. 34 x thick 18 cm
25 x 13	37 x 7	18 x 17
25 x 9	19 x 8	

Filling between R.W. and grave : Gravel and earth. Uniform deposit.

Remarks :

BURIAL — 28

Square D/D1 (Feature 2 & 3)

THE GRAVE CHAMBER

Orientation of grave chamber : 76° — E NE

Capstones : Three* I. (from East) L. 87 x W. 61 x thick 21 cm
II. 111 x 54 x 18 cm III. 112 x 42 x 20 cm IV. cm

Length : 141 cm (N) **Height** (overall from bed rock) : 112 cm
147 cm (S) Chamber walls : 71 cm (S) 74
cm (middle) Projecting part : 28 cm (S) 35

Width : 77 cm (base) Projection from base : (N) 7 cm (S) 12 cm
56 cm (top)

Masonry : Northern wall. 4 courses, regular. Lower courses are of large stones.
Southern wall. 5 courses, regular.
Western wall. Built between long walls, irregular.
Interspaces contain small stones.

Stone size (Length is parallel to grave chamber)

Long walls of chamber (Long x thick) cm	Projecting upper part (L. x W. x thick) cm
51 x 24 35 x 25	57 x 42 x 18
22 x 15 42 x 17	62 x 18 x 16
48 x 22	

Re-use of existing R.W. (ringwall) for chamber : R.W. on East.
Surface of B.R. (bed rock) : Original

THE ALCOVE

Location : North wall **Re-use** of existing R.W. face : on North.

Capstone : L. 81 x W. 46 x thick 25 cm.

Width (of mouth) : 40 cm **Length** : 56(E), 50(W) cm **Height** (from B.R.) : 73 cm

Remarks : * Spaces in between were infilled with small stones.

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : Sand and clay streaks, 70 cm.

Layer (2) : Earth and small stones, 35 cm.

Floor level above B.R. : Hard earth and thin sand on top, 7 cm.

CONTENTS OF GRAVE

Skeletal remains : Female bones in poor condition.

Stones : Carnelian bead (SR 90). Beads (SR 91 & 92).

Metals : Five finger rings of bronze (SR 93).

Shells : Thirty-two (SR 236).

Bitumen-lined materials :

Other :

Ceramics : 'Barbar' Ware, dark red body.

THE RINGWALL

Length (external, upper part) : 455 cm **Width :** 30 48 cm

Max. Height : 143 cm of 7 courses.* Interspaces contain small stones.

Stone size (wall face) in cm		(top of wall)
Long x thick	Long x thick	L. 45 x W. 46 x thick 19 cm
15 x 14	31 x 26	L. 36 x W. 34 x thick 25 cm
41 x 16	29 x 27	

Filling between R.W. and grave : Earth, gravel and few small stones. Uniform deposit.

Remarks : * Most courses are semi-dressed.

BURIAL — 29

Square D/D1 (Feature 8 & 7)

THE GRAVE CHAMBER

Orientation of grave chamber : 80° — E NE

Capstones : Three* I. (from East) L. 83 x W. 72 x thick 23 cm
II. 85 x 60 x 25 cm III. 82 x 68 x 19 cm IV. cm

Length : 142 cm (N) **Height** (overall from bed rock) : 108 cm
171 cm (S) Chamber walls : 67 cm (S) 71
cm (middle) Projecting part : 29 cm (S) 19

Width : 81 cm (base) Projection from base : (N) 18 cm (S) 21 cm
51 cm (top)

Masonry : Northern wall 6 courses, regular.
Southern wall. 4 courses, regular.
Western wall. Built between long walls, irregular.
Interspaces contain a few small stones.

Stone size (Length is parallel to grave chamber)

Long walls of chamber (Long x thick) cm		Projecting upper part (L. x W. x thick) cm
40 x 16	37 x 26	32 x 46 x 10
35 x 14	29 x 12	23 x 55 x 12
		25 x 40 x 13

Re-use of existing R.W. (ringwall) for chamber : R.W. on East.
Surface of B.R. (bed rock) : Secondary.

THE ALCOVE

Location : North wall **Re-use** of existing R.W. face : on North

Capstone : L. 80 x W. 45 x thick 18 cm.

Width (of mouth) : 52 cm **Length** : 48 cm **Height** (from B.R.) : 74 cm

Remarks : * Small stones used to fill up spaces between capstones.

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : 64 cm thick sand.

Layer (2) : 42 cm of loose earth and stones.

Floor level above B.R. : 2 cm of earth, not clearly defined.

CONTENTS OF GRAVE

Skeletal remains :

Stones :

Metals :

Shells :

Bitumen-lined materials :

Other :

Ceramics :

THE RINGWALL

Length (external, upper part) : 380 cm **Width** : 30 38 cm

Max. Height : 146 cm of 14 courses. Interspaces contain small stones.

Stone size (wall face) in cm		(top of wall)	
Long x thick	Long x thick	L.	x W. x thick cm
37 x 27	29 x 17		
26 x 13			

Filling between R.W. and grave : Earth, gravel and few small stones. Uniform.

Remarks :

BURIAL — 31

Square D/D1 (Feature 10 & 9); D/E1 (2 & 3)

THE GRAVE CHAMBER

Orientation of grave chamber : 62° — E NE

Capstones : Two I. (from East) L. 68 x W. 36 x thick 11 cm
II. fallen 55 x 40 x 10 cm III. cm IV. cm

Length : cm (N) **Height** (overall from bed rock) : 110 cm
cm (S) Chamber walls : 94 cm (S) 87
159 cm (middle) Projecting part : 31 cm

Width : 99 cm (base) Projection from base : (N) 32* cm (S) 26 cm
26 cm (top)

Masonry : Northern wall. 7 courses, regular.
Southern wall. 8 courses, regular.
Western wall. Built between long walls, irregular. Broken.
Interspaces contain thin, elongated stones.

Stone size (Length is parallel to grave chamber)

Long walls of chamber (Long x thick) cm		Projecting upper part (L. x W. x thick) cm	
50 x 15	32 x 7	36 x 46 x 6	33 x 65 x 14
38 x 8	45 x 7	31 x 69 x 12	40 x 50 x 5
38 x 12		20 x 39 x 6	

Re-use of existing R.W. (ringwall) for chamber : R.W. on East.
Surface of B.R. (bed rock) : Original but levelled.

THE ALCOVE**

Location : North wall **Re-use** of existing R.W. face : on North.

Capstone : L. 78 x W. 36 x thick 14 cm.

Width (of mouth) : 43 cm **Length** : 60(E), 77(W) cm **Height** (from B.R.) : 88 cm

Remarks : * consists of three courses of projecting stones.
** West side of the alcove is angled.

STRATIGRAPHY OF GRAVE CHAMBER

- Layer (1) below capstone level : Sand containing streaks of clay and very small stones, 70 cm thick.
Layer (2) : Loose earth and few stones, 28 cm.
Floor level above B.R. : Hard earth mixed with gravel, 12 cm.

CONTENTS OF GRAVE

Skeletal remains :

Stones :

Metals :

Shells :

Bitumen-lined materials : Pieces only.

Other :

Ceramics :

THE RINGWALL

Length (external, upper part) : 524 cm **Width** : 27 51 cm

Max. Height : 125 cm of 9 courses. Interspaces contain small stones.

Stone size (wall face) in cm		(top of wall)
Long x thick	Long x thick	L. 24 x W. 31 x thick 12 cm
42 x 12	38 x 13	L. 20 x W. 25 x thick 6 cm
37 x 8	34 x 7	L. 38 x W. 43 x thick 14 cm

Filling between R.W. and grave : Uniform deposit of earth, gravel and few small stones.

Remarks :

BURIAL — 32

Square D/D1 (Feature 6 & 5 — 11); D/E1 (12)

THE GRAVE CHAMBER

Orientation of grave chamber : 50° — NE

Capstones : Three* I. (from East) L. 110 x W. 48 x thick 28 cm
II. 112 x 60 x 20 cm III. 103 x 71 x 16 cm IV. cm

Length : 180 cm (N) **Height** (overall from bed rock) : 82 cm
167 cm (S) Chamber walls : 72 cm (S) 63
cm (middle) Projecting part : cm (S) 29

Width : 94 cm (base) Projection from base : (N) cm (S) 24 cm
70 cm (top)

Masonry : Northern wall. 4 5 courses, regular.
Southern wall. 4 courses, regular.
Western wall. Built between long walls, irregular.
Broken, one course only.
Interspaces contain small stones.

Stone size (Length is parallel to grave chamber)

Long walls of chamber (Long x thick) cm		Projecting upper part (L. x W. x thick) cm
51 x 23	55 x 18	41 x 94 x 22
54 x 26	45 x 12	37 x 37 x 8

Re-use of existing R.W. (ringwall) for chamber : R.W. on East.
Surface of B.R. (bed rock) : Secondary.

THE ALCOVE

Location : North wall **Re-use** of existing R.W. face : None

Capstone : L. 82 x W. 55 x thick 24 cm.

Width (of mouth) : 47 cm **Length** : 54 cm **Height** (from B.R.) : 69 cm

Remarks : * Small stones infilled gaps between capstones.

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : 55 cm thick sand.

Layer (2) : (originally labelled as (1B) & (1A), loose earth and stone pieces, 10 - 15 cm with clayish streak below, sealing*.

Floor level above B.R. : 3 7 cm earth.

CONTENTS OF GRAVE

Skeletal remains : Human bones.

Stones :

Metals : Bronze sheet, pieces (SR 83). Bronze needle (SR 74).
Bronze ear-rings (SR 73).

Shells :

Bitumen-lined materials :

Other :

Ceramics : Globular vase (SR 68).
(found with bronze needle inside alcove).

THE RINGWALL

Length (external, upper part) : 585 cm **Width** : 29 37 cm

Max. Height : 100 cm of 6 courses. Interspaces contain nothing.

Stone size (wall face) in cm				(top of wall)			
Long x thick		Long x thick		L.	x W.	x thick	cm
50 x 30	36 x 21	31 x 16	14 x 15				
33 x 26	20 x 15	32 x 16					
		39 x 9					

Filling between R.W. and grave : Earth mixed with gravel and small stones. Uniform.

Remarks : * the floor level.

BURIAL — 33

Square D/D1 (Feature 4); D/D2 (1 & 2)

THE GRAVE CHAMBER

Orientation of grave chamber : 44° — NE

Capstones : Three* I. (from East) L. 93 x W. 53 x thick 17 cm
II. 96 x 55 x 18 cm III. 103 x 67 x 10 cm IV. cm

Length : 166 cm (N) **Height** (overall from bed rock) : 100 cm
148 cm (S) Chamber walls (N) : 68 74 cm (S) 72 5
cm (middle) Projecting part : 21 cm (S) 24

Width : 80 cm (base) Projection from base : (N) 19 cm (S) 10 cm
51 cm (top)

Masonry : Northern wall. 6 courses, irregular.
Southern wall. 4 5 courses, irregular.
Western wall. Built beside Ringwall, irregular.
Interspaces contain small stones.

Stone size (Length is parallel to grave chamber)

Long walls of chamber (Long x thick) cm		Projecting upper part (L. x W. x thick) cm
58 x 19	38 x 19	27 x 38 x 12
50 x 21	43 x 20	29 x 48 x 8
	37 x 24	

Re-use of existing R.W. (ringwall) for chamber : R.W. on East **
Surface of B.R. (bed rock) : Original

THE ALCOVE

Location : North wall **Re-use** of existing R.W. face : None

Capstone : L. 77 x W. 65 x thick 31 cm

Width (of mouth) : 43 cm **Length** : 53(W), 32(E) cm **Height** (from B.R.) : 67 cm

Remarks : * Small stones used to infill gaps between capstones.

** The exterior of chamber is connected with its associated ringwall by a retaining wall, consisting of three courses of stone, 32 cm wide and 35 cm high. cf. Burial 26 and 116A.

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : Sand, 67 cm.

Layer (2) : Loose earth and stones, 25 cm.

Floor level above B.R. : 8 10 cm thick earth with sand.

CONTENTS OF GRAVE

Skeletal remains :

Stones :

Metals : Bronze tube in pieces (SR 296). Small pieces.

Shells :

Bitumen-lined materials :

Other :

Ceramics : 'Barbar' Ware.

THE RINGWALL

Length (external, upper part) : 460 cm **Width** : 15 38 cm

Max. Height : 126 cm of 9 courses. Interspaces contain few small stones.

Stone size (wall face) in cm				(top of wall)	
Long x thick		Long x thick		L.	W. x thick cm
34 x 24	25 x 10	18 x 9	12 x 6		
13 x 8	21 x 13	17 x 8	37 x 25		

Filling between R.W. and grave : Two deposits :

Upper : 42 cm of gravel, earth and few stones seals the capstones and the projecting stones.

Lower : 36 cm thick contains no stones in the filling. Differences in contents of deposits correspond to the change in masonry of associated ringwall. The upper 54 cm height of ringwall is built of rough stones of small size in contrast to its lower part made of large and semi-dressed stones. Wall reflects two building activities.

Remarks :

BURIAL — 34

Square D/C2 (Feature 9 & 6); D/D2 (13 & 3)

THE GRAVE CHAMBER

Orientation of grave chamber : 48° — NE

Capstones : Four I. (from East) L. 112 x W. 88 x thick 17 cm
II. 82 x 42 x 20 cm III. 120 x 54 x 14 cm IV. 118 x 33 x 20 cm

Length : 179 cm (N) **Height** (overall from bed rock) : 96 cm
167 cm (S) Chamber walls : 88 92 cm (S) 80
cm (middle) Projecting part : 28 cm

Width : 92 cm (base) Projection from base : (N) 28 cm (S) 15 cm
55 cm (top)

Masonry : Northern wall. 4 5 courses, irregular. Large and small stones are mixed.
Southern wall 4 5 courses, irregular.
Western wall. Built with long walls, irregular.
Interspaces contain small stones.

Stone size (Length is parallel to grave chamber)

Long walls of chamber (Long x thick) cm		Projecting upper part (L. x W. x thick) cm
33 x 42	28 x 15	42 x 76 x 23 (On North
18 x 10		52 x 87 x 26 only)
40 x 28		45 x 70 x 17

Re-use of existing R.W. (ringwall) for chamber : R.W. on East.
Surface of B.R. (bed rock) : Secondary.

THE ALCOVE

Location : South wall **Re-use** of existing R.W. face : on South

Capstone : Fallen L. x W. x thick cm

Width (of mouth) : 42 cm **Length** : 51 cm **Height** (from B.R.) : 70 cm

Remarks :

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : Sand, 45 cm.

Layer (2) : Loose earth and stones, 30 cm.

Floor level above B.R. : Sandy soil mixed with gravel, 21 cm.

CONTENTS OF GRAVE

Skeletal remains : Pieces only.

Stones :

Metals :

Shells : Eleven (SR 229) and disc shaped seal or stud ?
with natural volute design.

Bitumen-lined materials :

Other :

Ceramics : Red tempered ware. Buff slipped red ware.
Pieces of large vessel with incised lines on neck.

THE RINGWALL

Length (external, upper part) : 576 cm **Width :** 19 56 cm

Max. Height : 134 cm of 11 courses. Interspaces contain a few small stones.

Stone size (wall face) in cm		(top of wall)
Long x thick	Long x thick	L. 26 x W. 25 x thick 15 cm
48 x 17	60 x 15	L. 50 x W. 46 x thick 19 cm
25 x 11	26 x 15	

Filling between R.W. and grave : Gravel mixed with small stones. Uniform.

Remarks :

BURIAL — 35

Square D/C2 (Feature 11 & 2 — 7)

THE GRAVE CHAMBER

Orientation of grave chamber : 56° — NE

Capstones : Four I. (from East) L. 85 x W. 90 x thick 16 cm.
II. 80 x 45 x 16 cm III. 38 x 25 x 12 cm IV. 80 x 50 x 18 cm

Length : 207 cm (N) **Height** (overall from bed rock) : 100 cm
167 cm (S) Chamber walls : 66 cm (S) 74
cm (middle) Projecting part : 33 cm

Width : 97 cm (base) Projection from base : (N) 28 cm (S) 15 cm
46 cm (top)

Masonry : Northern wall. 5 courses, irregular.
Southern wall. 6 courses irregular.
Western wall. Built between long walls, irregular.
Interspaces contain nothing.

Stone size (Length is parallel to grave chamber)

Long walls of chamber (Long x thick) cm	Projecting upper part (L. x W. x thick) cm
27 x 19	57 x 72 x 13
23 x 14	32 x 68 x 17
33 x 12	72 x 62 x 18

Re-use of existing R.W. (ringwall) for chamber : R.W. on East
Surface of B.R. (bed rock) : Secondary.

THE ALCOVE

Location : South wall **Re-use** of existing R.W. face : on South

Capstone : L. 72 x W. 62 x thick 18 cm

Width (of mouth) : 49 cm **Length** : 57 cm **Height** (from B.R.) : 76 cm

Remarks :

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : 67 cm thick sand.

Layer (2) : 22 cm thick sandy earth, few stones.

Floor level above B.R. : Brown earth mixed with gravel, 11 cm.

CONTENTS OF GRAVE

Skeletal remains : One long bone, poor condition.

Stones : Steatite bowl with dot-in-circle design (SR 292).

Metals : Bronze piece of wire (SR 55).

Shells :

Bitumen-lined materials :

Other :

Ceramics :

THE RINGWALL

Length (external, upper part) : 462 cm **Width** : 19 42 cm

Max. Height : 120 cm of 5 courses. Interspaces contain nothing.

Stone size (wall face) in cm		(top of wall)	
Long x thick	Long x thick	L. 18 x W. 31 x	thick 14 cm
37 x 25	56 x 28	38 x 18	
36 x 9	26 x 4		

Filling between R.W. and grave : Two deposits :

Upper : Stones and gravel.

Lower : Gravel and earth only corresponding to two constructions of R.W. : of large stones below and small in the upper part.

BURIAL — 36

Square D/B2 (Feature 9); D/B3 (12 & 11)

THE GRAVE CHAMBER

Orientation of grave chamber : 54° — NE

Capstones : Three* I. (from East) L. 94 x W. 62 x thick 21 cm
II. 78 x 41 x 24 cm III. 85 x 74 x 22 cm IV. cm

Length : 151 cm (N) **Height** (overall from bed rock) : 97 cm
149 cm (S) Chamber walls (N) : 79 cm (S) 68 75
cm (middle) Projecting part : 23 cm (S) 28

Width : 81 cm (base) Projection from base : (N) 20 cm (S) 21 cm
45 cm (top)

Masonry : Northern wall. 3 - 4 courses, irregular.
Southern wall. 4 - 5 courses, irregular.
Western wall. Built between long walls, irregular. 65 cm high.
Interspaces contain nothing.

Stone size (Length is parallel to grave chamber)

Long walls of chamber (Long x thick) cm	Projecting upper part (L. x W. x thick) cm
31 x 13 26 x 5	(N) 38 x 58 x 15 & 44 x 63 x 10
46 x 29	(S) 37 x 73 x 16 & 63 x 73 x 9
43 x 20	

Re-use of existing R.W. (ringwall) for chamber : Two R.W.s on East and South.
Surface of B.R. (bed rock) : Original

THE ALCOVE

Location : North wall **Re-use** of existing R.W. face : None

Capstone : L. 85 x W. 59 x thick 24 cm

Width (of mouth) : 45 cm **Length** : 20(E), 40(W) cm **Height** (from B.R.) : 64 cm

Remarks : * The gaps were filled up with small stones.

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : Sand, 55 cm.

Layer (2) : Earth and few stones, 36 cm.

Floor level above B.R. : Earth and gravel, 6 cm.

CONTENTS OF GRAVE

Skeletal remains :

Stones :

Metals : Bronze piece of sheet (SR 259).

Shells : Two (SR 298).

Bitumen-lined materials :

Other :

Ceramics : Fragment of ledged shoulder of pot.

THE RINGWALL

Length (external, upper part) : 426 cm **Width** : 21 38 cm

Max. Height : 133 cm of 12 courses. Interspaces contain nothing.

Stone size (wall face) in cm		(top of wall)
Long x thick	Long x thick	L. 54 x W. 36 x thick 20 cm
29 x 12		L. 22 x W. 27 x thick 6 cm
25 x 15		

Filling between R.W. and grave : Uniform deposit of earth, gravel and very small stones.

Remarks :

BURIAL — 36 A

Square D/B2 (Feature 10 & 15); D/C2 (1); D/B3 (13); D/C3 (1)

THE GRAVE CHAMBER

Orientation of grave chamber : 58° — NE

Capstones : Three* I. (from East) L. 76 x W. 43 x thick 15 cm
II. 73 x 63 x 18 cm III. 48 x 32 x 11 cm IV. cm

Length : 212 cm (N) **Height** (overall from bed rock) : 94 cm
184 cm (S) Chamber walls : 72 cm (S) 64 70
cm (middle) Projecting part : 30 cm (S) 21

Width : 91 cm (base) Projection from base : (N) 19 cm (S) 21 cm
50 cm (top)

Masonry : Northern wall. 4 - 5 courses, irregular.
Southern wall. 4 courses, irregular.
Western wall. Built between long walls, very irregular.
Interspaces contain nothing.

Stone size (Length is parallel to grave chamber)

Long walls of chamber (Long x thick) cm		Projecting upper part (L. x W. x thick) cm	
45 x 26	51 x 24	(N) 23 x 49 x 13;	28 x 47 x 11
41 x 21	56 x 19	48 x 62 x 10	& 58 x 64 x 10
39 x 16		(S) 65 x 67 x 21	& 41 x 70 x 14 #

Re-use of existing R.W. (ringwall) for chamber : R.W. on East.
Surface of B.R. (bed rock) : Original

THE ALCOVE

Location : South wall **Re-use** of existing R.W. face : on South.

Capstone : L. 83 x W. 78 x thick 18 cm

Width (of mouth) : 32 cm **Length** : 57 cm **Height** (from B.R.) : 68 cm

Remarks : * The gaps are filled up with small stones. Capstone III was broken.
Another projecting stone used as capstone of the alcove.

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : Sand, 60 cm.
Layer (2) : Earth and few stones, 30 cm.
Floor level above B.R. : Earth and sand, 4 cm.

CONTENTS OF GRAVE

Skeletal remains :

Stones :

Metals :

Shells : Twenty-four (SR 241).

Bitumen-lined materials : Pieces.

Other :

Ceramics : Potsherds of dull-red colour, plain surface.

THE RINGWALL

Length (external, upper part) : 520 cm **Width :** 33 61 cm

Max. Height : 115 cm of 5 courses. Interspaces contain nothing.

Stone size (wall face) in cm		(top of wall)	
Long x thick	Long x thick	L. 51 x W. 33 x thick 16 cm	
56 x 23	23 x 10	L. 50 x W. 46 x thick 20 cm	
20 x 9	44 x 19	L. 53 x W. 61 x thick 17 cm	
43 x 25	33 x 15		

Filling between R.W. and grave : Two fillings :

Upper : 26 30 cm, sealing the capstone contained numerous small stones and gravel.

Lower : More than 40 cm was composed of earth and gravel and few stones. It was associated with the burial chamber.

BURIAL — 37

Square D/B3 (Feature 2 & 3)

THE GRAVE CHAMBER

Orientation of grave chamber : 56° — NE

Capstones : Three I. (from East) L. 96 x W. 42 x thick 15 cm.
II. 132 x 61 x 28 cm III. 94 x 74 x 17 cm IV. cm

Length : 165 cm (N) **Height** (overall from bed rock) : 100 cm
170 cm (S) Chamber walls (N) : 63 72 cm (S) 67 78
cm (middle) Projecting part : 33 cm (S) 28

Width : 79 cm (base) Projection from base : (N) 20 cm (S) 27 cm
34 cm (top)

Masonry : Northern wall. 3 courses, regular. Large stone at base.
Southern wall. 4 courses, regular.
Western wall. Built between long walls, irregular. 60 cm high.
Interspaces contain nothing.

Stone size (Length is parallel to grave chamber)

Long walls of chamber (Long x thick) cm	Projecting upper part* (L. x W. x thick) cm
48 x 20 34 x 29	38 x 64 x 25
54 x 26	37 x 57 x 13
22 x 21	21 x 49 x 17

Re-use of existing R.W. (ringwall) for chamber : R.W. on East.
Surface of B.R. (bed rock) : Original.

THE ALCOVE

Location : South wall **Re-use** of existing R.W. face : On South.

Capstone : L. 71 x W. 56 x thick 29 cm

Width (of mouth) : 42 cm **Length** : 48 cm **Height** (from B.R.) : 59 cm

Remarks : * Small stones on top of projecting stones existed to make level for the capstones.

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : Sand, 68 cm.
Layer (2) : Earth and stones, 22 cm.
Floor level above B.R. : Sandy earth, 10 cm.

CONTENTS OF GRAVE

Skeletal remains : Small pieces.

Stones : Bead (SR 253).

Metals : Bronze knife-blade (SR 35).

Shells : One (SR 258). Couch shell (SR 36). Pendant (SR 37).

Bitumen-lined materials :

Other :

Ceramics : One faience bead (SR 34).

THE RINGWALL

Length (external, upper part) : 465 cm **Width** : 31 48 cm

Max. Height : 123 cm of 8 courses. Interspaces contain small stones.

Stone size (wall face) in cm		(top of wall)
Long x thick	Long x thick	L. 50 x W. 42 x thick 31 cm.
28 x 22		
39 x 22		

Filling between R.W. and grave : Two deposits.

Upper : Floor surface to 37 cm depth (projecting stones), it consisted of small stones with little earth.

Lower : 50 cm thick and composed of bits of stone and loose earth occurred below the level of projecting stones and associated with the burial chamber. Two phases of construction are apparent.

BURIAL — 38

Square D/B3 (Feature 4 & 5); D/A3 (12 & 11)

THE GRAVE CHAMBER

Orientation of grave chamber : 60° — NE

Capstones : Four* I. (from East) L. 93 x W. 32 x thick 24 cm
II. 94 x 30 x 18 cm III. 115 x 33 x 30 cm IV. 94 x 50 x 16 cm

Length : 163 cm (N) **Height** (overall from bed rock) : 120 cm
168 cm (S) Chamber walls (N) : 76 81 cm (S) 89
cm (middle) Projecting part : 20 cm (S) 21

Width : 87 cm (base) Projection from base : (N) 32 cm (S) 25 cm
46 cm (top)

Masonry : Northern wall. 5 courses, irregular.
Southern wall. 6 courses, irregular.
Western wall. Built between long walls, irregular.
Interspaces contain a few small stones.

Stone size (Length is parallel to grave chamber)

Long walls of chamber (Long x thick) cm		Projecting upper part (L. x W. x thick) cm
48 x 23	38 x 12	46 x 80 x 9
52 x 23	63 x 24	28 x 58 x 20
36 x 12	41 x 17	31 x 66 x 16
	40 x 7	40 x 68 x 17

Re-use of existing R.W. (ringwall) for chamber : None except NE corner.
Surface of B.R. (bed rock) : Secondary.

THE ALCOVE**

Location : North wall **Re-use** of existing R.W. face : None

Capstone : L. 92 x W. 55 x thick 20 cm.

Width (of mouth) : 42 cm **Length** : 56(N), 39(W) cm **Height** (from B.R.) : 74 cm

Remarks :* The third capstone was lying vertically. Small stones filled the gaps between capstones.

** The alcove is oblong at back.

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : Wind blown and water laid sand with streaks, 72 cm thick.

Layer (2) : Loose brown earth of few stones, 30 cm.

Floor level above B.R. : Up to 18 cm thick filling of gravel and earth going under the southern and eastern grave walls.

CONTENTS OF GRAVE

Skeletal remains :

Stones : Spacer (SR 286).

Metals :

Shells :

Bitumen-lined materials :

Other :

Ceramics : Red 'Barbar' Ware.

THE RINGWALL

Length (external, upper part) : 532 cm **Width** : 18 - 48 cm.

Max. Height : 138 cm of 11 courses. Interspaces contain a few small stones.

Stone size (wall face) in cm		(top of wall)	
Long x thick	Long x thick	L. x W.	x thick cm
50 x 40	30 x 23		
40 x 34	39 x 9*		
30 x 11			

Filling between R.W. and grave : Uniform deposit of gravel and very small stones.

Remarks :* 18 x 11
37 x 13
22 x 6
50 x 38

BURIAL — 39

Square D/A3 (Feature 10 & 11); D/A4 (10 & 9)

THE GRAVE CHAMBER

Orientation of grave chamber : 44° — NE

Capstones : Three I. (from East) L. 92 x W. 55 x thick 20 cm.
II. 110 x 58 x 12 cm III. 67 x 67 x 12 cm. IV. cm

Length : 150 cm (N) **Height** (overall from bed rock) : 100 cm
146 cm (S) Chamber walls : 80 cm (S) 71 5
cm (middle) Projecting part : 20 cm (S) 24

Width : 86 - 90 cm (base) Projection from base : (N) 24 cm (S) 13 cm
56 cm (top)

Masonry : Northern wall. 5 courses, irregular.*
Southern wall. 2 3 courses, irregular.
Western wall. Built between long walls, irregular.
Interspaces contain nothing.

Stone size (Length is parallel to grave chamber)

Long walls of chamber (Long x thick) cm		Projecting upper part (L. x W. x thick) cm
18 x 25	67 x 23	(N) 70 x 37 x 16; & 43 x 62 x 20
35 x 13	56 x 27	39 x 66 x 18
54 x 32		(S) 23 x 42 x 14

Re-use of existing R.W. (ringwall) for chamber : Two ringwalls on East.
Surface of B.R. (bed rock) : Secondary.

THE ALCOVE (Corbelled)

Location : North wall **Re-use** of existing R.W. face : None

Capstone : L. x W. x thick cm

Width (of mouth) : 47 cm **Length** : 37 cm **Height** (from B.R.) : 61^x cm

Remarks :* Large stones are used in the lower parts of both northern and southern walls.
x Up to corner stone.

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : Sand, 60 cm.

Layer (2) : Loose earth, 28 cm.

Floor level above B.R. : Earth and sand, 12 cm.

CONTENTS OF GRAVE

Skeletal remains :

Stones :

Metals :

Shells :

Bitumen-lined materials :

Other :

Ceramics :

THE RINGWALL

Length (external, upper part) : 500 cm **Width** : 20 53 cm

Max. Height : 137 cm of 7 courses. Interspaces contain nothing.

Stone size (wall face) in cm		(top of wall)	
Long x thick	Long x thick	L. 54 x W. 30 x thick 15 cm	
38 x 20	29 x 14	L. 37 x W. 22 x thick 16 cm	
56 x 21	25 x 13	L. 54 x W. 41 x thick 21 cm	
54 x 21		L. 50 x W. 50 x thick 13 cm	

Filling between R.W. and grave : Two deposits indicating two building activities.

Upper deposit, 23 cm thick contained numerous small stones and gravel. It sealed the capstone and projecting stones.

Lower deposit was more than 43 cm thick, associated with the vertical part of the burial chamber. It consisted of earth and gravel only.

BURIAL — 42

Square D/E1 (Feature 10 & 1); D/E2 (1 & 2)

THE GRAVE CHAMBER

Orientation of grave chamber : 60° — NE

Capstones : Two* I. (from East) L. 77 x W. 60 x thick 27 cm.
II. 78 x 48 x 16 cm III. missing cm IV. cm

Length : 152 cm (N) **Height** (overall from bed rock) : 93 cm
167 cm (S) Chamber walls : 71 4 cm (S) 50 65
cm (middle) Projecting part : 21 cm (S) 25

Width : 80 cm (base) Projection from base : (N) 7 cm (S) 24 cm
47 cm (top)

Masonry : Northern wall. 3 4 courses, regular.
Southern wall. 2 3 courses, irregular.
Western wall. Built between long walls, irregular. Broken, 55 cm high.
Interspaces contain a few small stones.

Stone size (Length is parallel to grave chamber)

Long walls of chamber (Long x thick) cm		Projecting upper part (L. x W. x thick) cm
35 x 24	43 x 28	38 x 58 x 18 (S)
39 x 25	34 x 14	15 x 40 x 15 (N)
38 x 18		37 x 36 x 12
30 x 18		

Re-use of existing R.W. (ringwall) for chamber : R.W. on East.
Surface of B.R. (bed rock) : Original

THE ALCOVE (Triangular)

Location : South wall **Re-use** of existing R.W. face : None

Capstone : L. 69 x W. 76 x thick 19 cm.

Width (of mouth) : 40 cm **Length** : 48 cm **Height** (from B.R.) : 63 cm
(middle)

Remarks : The grave was robbed from western side.

* Spaces between were filled with small stones.

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : 70 - 72 cm thick sand (sealing human skeleton).
Layer (2) : 14 cm thick loose earth deposit mixed with very small stones.
Floor level above B.R. : Up to 7 cm thick loose sandy soil.

CONTENTS OF GRAVE*

Skeletal remains : Almost complete human skeleton.

Stones : Steatite bowl with dot-in-circle design (SR 104).
'Dilmun' seal, "drinking scene" (SR 217).
Bead (or button ?) (SR 218). Seven beads (SR 107 - 113).

Metals :

Shells :

Bitumen-lined materials :

Other :

Ceramics : Cream slipped, red ware pot (SR 103) Kassite.

THE RINGWALL

Length (external, upper part) : 627 cm **Width** : 23 51 cm.

Max. Height : 102 cm of 6 courses. Interspaces contain small stones.

Stone size (wall face) in cm		(top of wall)	
Long x thick	Long x thick	L. 33 x W. 44 x thick 19 cm	
30 x 25	41 x 18	L. 55 x W. 46 x thick 30 cm	
20 x 8	48 x 22	L. 45 x W. 34 x thick 23 cm	
		L. 24 x W. 36 x thick 13 cm	

Filling between R.W. and grave : Uniform deposit of earth mixed with gravel and small stones.

Remarks : * Human skeleton and cream slipped Kassite pot (SR 103) were found below sand deposit at 72 cm. The steatite bowl (SR 104), seal (SR 217), button or bead of black stone (SR 218) and seven stone beads (SR 107 - 113) were found at 80 - 86 depth (or 8 to 14 cm below the level at which skeleton was lying) all sealed by layer (2). This grave was used twice as attested by evidence of stratigraphy.

BURIAL — 43

Square D/D2 (Feature 12 & 11)

THE GRAVE CHAMBER

Orientation of grave chamber : 50° — NE

Capstones : One I. (from East) L. 91 x W. 52 x thick 20 cm
II. cm III. cm IV. cm

Length : 146 cm (N) **Height** (overall from bed rock) : 90 cm
158 cm (S) Chamber walls : 71 cm
cm (middle) Projecting part : 20 cm (S) 23

Width : 78 cm (base) Projection from base : (N) 22 cm (S) cm
41 cm (top)

Masonry : Northern wall. 5 courses, irregular.
Southern wall. 4 courses, regular.
Western wall. Built between long walls, irregular.
Interspaces contain small stones.

Stone size (Length is parallel to grave chamber)

Long walls of chamber	Projecting upper part
(Long x thick) cm	(L. x W. x thick) cm
47 x 22	29 x 70 x 8 23
29 x 20	36 x 48 x 11
46 x 22	

Re-use of existing R.W. (ringwall) for chamber : R.W. on East.
Surface of B.R. (bed rock) : Secondary.

THE ALCOVE

Location : South wall **Re-use** of existing R.W. face : None

Capstone : L. 72 x W. 30 x thick 27 cm

Width (of mouth) : 51 cm **Length** : 37 cm **Height** (from B.R.) : 56 cm.

Remarks :

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : 80 cm thick sand with pocket of coarse material underneath.

Layer (2) : Not clearly defined.

Floor level above B.R. : 5 15 cm earth and small stones.

CONTENTS OF GRAVE

Skeletal remains : Three human bones.

Stones : Steatite 'Dilmun' Seal (SR 195).

Metals :

Shells :

Bitumen-lined materials : Pieces.

Other :

Ceramics : Red 'Barbar' Ware.

THE RINGWALL

Length (external, upper part) : 580 cm **Width** : 40 55 cm

Max. Height : 95 cm of 9 courses. Interspaces contain nothing.

Stone size (wall face) in cm		(top of wall)	
Long x thick	Long x thick	L. 41 x W. 39 x thick 14 cm	
65 x 14		L. 40 x W. 33 x thick 14 cm	
45 x 12		L. 47 x W. 40 x thick 14 cm	

Filling between R.W. and grave : Earth, gravel and few stones. Uniform deposit.

Remarks :

BURIAL — 44

Square D/E1 (Feature 9 & 7)

THE GRAVE CHAMBER

Orientation of grave chamber : 60° — NE

Capstones : Three I. (from East) L. 105 x W. 70 x thick 18 cm
II. 80 x 90 x 15 cm III. 90 x 66 x 20 cm IV. cm

Length : cm (N) **Height** (overall from bed rock) : 89 cm
cm (S) Chamber walls : 54 cm (S) 51
174 cm (middle) Projecting part : 30 cm (S) 37

Width : 83 cm (base) Projection from base : (N) 13 cm (S) 15 cm
70 cm (top)

Masonry : Northern wall. 3 courses, irregular.
Southern wall. 3 courses, irregular.
Western wall. Built between long walls, irregular.
Interspaces contain small stones in southern wall only.

Stone size (Length is parallel to grave chamber)

Long walls of chamber (Long x thick) cm		Projecting upper part (L. x W. x thick) cm	
40 x 17	46 x 25	(N) 36 x 45 x 28	& 45 x 41 x 14
33 x 13	33 x 28	(S) 52 x 48 x 18	& 30 x 58 x 12
27 x 16	29 x 23		

Re-use of existing R.W. (ringwall) for chamber : Two R.W. on East.
Surface of B.R. (bed rock) : Secondary.

THE ALCOVE

Location : South wall **Re-use** of existing R.W. face : None.

Capstone : L. 88 x W. 73 x thick 16 cm.

Width (of mouth) : 34 cm **Length** : 38 cm **Height** (from B.R.) : 64 cm

Remarks : Robbed from NE.

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : Sand, 26 cm.

Layer (1A) : Clayish, 8 cm.

Layer (2) : Loose earth bits of stone and stones, 50 cm.

Floor level above B.R. : Loose earth, 5 cm. Not well defined.

CONTENTS OF GRAVE

Skeletal remains :

Stones :

Metals :

Shells :

Bitumen-lined materials :

Other :

Ceramics : Few potsherds of red 'Barbar' Ware.

THE RINGWALL

Length (external, upper part) : 400 cm **Width** : 27 45 cm

Max. Height : 103 cm of 8 courses. Interspaces contain nothing.

Stone size (wall face) in cm		(top of wall)	
Long x thick	Long x thick	L. 14 x W. 23 x thick 10 cm	L. 15 x W. 24 x thick 10 cm
34 x 22	21 x 12	L. 18 x W. 19 x thick 10 cm	
29 x 16			

Filling between R.W. and grave : Uniform deposit of earth, gravel and few stones.

Remarks :

BURIAL — 45

Square D/E1 (Feature 5 & 8); D/F1 (2)

THE GRAVE CHAMBER

Orientation of grave chamber : 60° — NE

Capstones : None I. (from East) L. x W. x thick cm
II. cm III. cm IV. cm

Length : 126 cm (N) **Height** (overall from bed rock) : 119 cm
159 cm (S) Chamber walls : 76 cm (S) 83
cm (middle) Projecting part : 40 cm

Width : (W)99 cm (base) 83(E) Projection from base : (N) 26 cm (S) 28 cm
(W)52 cm (top) 30(E)

Masonry : Northern wall. 3 courses, regular.
Southern wall. 6 courses, regular.
Western wall. Built between long walls, irregular. Broken.
Interspaces contain small stones in N. wall only.

Stone size (Length is parallel to grave chamber)

Long walls of chamber (Long x thick) cm		Projecting upper part (L. x W. x thick) cm	
53 x 35	42 x 28	(N) 58 x 70 x 13	
33 x 26	21 x 13	30 x 60 x 10	& 20 x 45 x 13
46 x 14	29 x 13	(S) 57 x 72 x 17	

Re-use of existing R.W. (ringwall) for chamber : R.W. on East.
Surface of B.R. (bed rock) : Secondary.

THE ALCOVE

Location South wall **Re-use** of existing R.W. face : None.

Capstone : L. 80 x W. 60 x thick 24 cm

Width (of mouth) : 36 cm **Length** : 49(W), 40(E) cm **Height** (from B.R.) : 77 cm

Remarks :

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : Sand 85 cm.

Layer (2) : Loose earth and small stones, 22 cm.

Floor level above B.R. : Earth mixed with gravel, 13 cm. Not well defined.

CONTENTS OF GRAVE

Skeletal remains :

Stones :

Metals :

Shells :

Bitumen-lined materials :

Other :

Ceramics :

THE RINGWALL

Length (external, upper part) : 515 cm **Width** : 22 63 cm

Max. Height : 122 cm of 3 courses. Interspaces contain small stones.

Stone size (wall face) in cm		(top of wall)	
Long x thick	Long x thick	L. 37 x W. 22 x thick 18 cm	
15 x 16	37 x 38	L. 26 x W. 33 x thick 11 cm	
49 x 30		L. 25 x W. 28 x thick 12 cm	

Filling between R.W. and grave : Uniform deposit of earth, gravel and small stones.

Remarks :

BURIAL — 47

Square D/F1 (Feature 11 & 9)

THE GRAVE CHAMBER

Orientation of grave chamber : 320° — NW

Capstones : None I. (from East) L. x W. x thick cm
II. cm III. cm IV. cm

Length : 158 cm (E) **Height** (overall from bed rock) : 82 cm
160 cm (W) Chamber walls : 56 cm
cm (middle) Projecting part : 22 cm (W)

Width : 86 - 95 cm (base) (S) Projection from base : (W) 23 cm (E) 8 cm
60 cm (top)

Masonry : Northern wall. 4 courses, regular.
Southern wall. 7 courses, regular.
Western wall. Built between long walls, irregular.
Interspaces contain nothing.

Stone size (Length is parallel to grave chamber)

Long walls of chamber	Projecting upper part
(Long x thick) cm	(L. x W. x thick) cm
27 x 13	32 x 36 x 12
34 x 15	27 x 44 x 22

Re-use of existing R.W. (ringwall) for chamber : R.W. on East.
Surface of B.R. (bed rock) : Original

THE ALCOVE

Location : West wall **Re-use** of existing R.W. face : None

Capstone : L. 48 x W. 26 x thick 29 cm

Width (of mouth) : 42 cm **Length** : 45 cm **Height** (from B.R.) : 42 cm

Remarks :

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : Sand, 38 cm.

Layer (2) : Loose earth and bits of stone, 18 cm.

Floor level above B.R. : Not clearly defined. Soil similar to (2).

CONTENTS OF GRAVE

Skeletal remains :

Stones :

Metals :

Shells :

Bitumen-lined materials :

Other :

Ceramics : Ridged Ware, red body and cream slip.

THE RINGWALL

Length (external, upper part) : 417 cm **Width** : 16 32 cm

Max. Height : 102 cm of 7 courses. Interspaces contain small stones.

Stone size (wall face) in cm		(top of wall)	
Long x thick	Long x thick	L. 50 x W. 27 x thick 16 cm	
16 x 12	36 x 12	L. 56 x W. 40 x thick 26 cm	
		L. 37 x W. 37 x thick 26 cm	

Filling between R.W. and grave : None.

Remarks :

BURIAL — 48

Square D/F1 (Feature 3 & 4); D/E1 (14)

THE GRAVE CHAMBER

Orientation of grave chamber : 326° — NW

Capstones : None I. (from East) L. x W. x thick cm
II. cm III. cm IV. cm

Length : cm (N) **Height** (overall from bed rock) : 103 cm
cm (S) Chamber walls : (W)62 cm (E)70
133 cm (middle) Projecting part : 23 cm (E)29

Width : 81 cm (base) Projection from base : (W) 10 cm (E)13 cm
54 cm (top)

Masonry : Western wall. 5 6 courses, irregular.*
Northern wall. Built between long walls, irregular.
Interspaces contain a few small stones.

Stone size (Length is parallel to grave chamber) -

Long walls of chamber	Projecting upper part
(Long x thick) cm	(L. x W. x thick) cm
23 x 14	36 x 21 x 17 (West wall)
18 x 19 (West only)	58 x 33 x 19
	56 x 58 x 22 (top of R.W.
	63 x 43 x 23 on East)

Re-use of existing R.W. (ringwall) for chamber : Two ringwalls one each on East and South.

Surface of B.R. (bed rock) : Secondary.

THE ALCOVE (corbelled)

Location : West wall **Re-use** of existing R.W. face : None

Capstone : (re-used as projecting stone) L. 53 x W. 27 x thick 25 cm

Width (of mouth) : 42 cm **Length** : 31 cm **Height** (from B.R.) : 64 cm

Remarks :* The southern and eastern sides belong to two separate ringwalls.

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : Sand, 25 cm.

Layer (2) : Numerous fallen stones and earth, 70 cm.

Floor level above B.R. : Earth and gravel, 5 cm.

CONTENTS OF GRAVE

Skeletal remains :

Stones :

Metals :

Shells :

Bitumen-lined materials :

Other :

Ceramics : Red slipped vase (SR 129)

THE RINGWALL

Length (external, upper part) : 352 cm **Width** : 20 44 cm

Max. Height : 107 cm of 7 courses. Interspaces contain small stones.

Stone size (wall face) in cm		(top of wall)	
Long x thick	Long x thick	L. 28 x W. 43 x thick 12 cm	
25 x 10	38 x 18	L. 18 x W. 33 x thick 8 cm	
28 x 24	34 x 12		

Filling between R.W. and grave : None : space very narrow.

Remarks :

BURIAL — 49

Square D/E (Feature 6); D/E2 (13 & 12)

THE GRAVE CHAMBER

Orientation of grave chamber : 322° — NW

Capstones : I. (from North) L. 69 x W. 58 x thick 30 cm
II. cm III. cm IV. cm

Length : 178 cm (W) **Height** (overall from bed rock) : 87 cm
215 cm (E) Chamber walls : 65 70 cm (W)
cm (middle) Projecting part : cm
Width : 93 cm (base) Projection from base : (W) 16 cm (S) cm
cm (top)

Masonry : Western wall. 4 - 5 courses, irregular.*
Northern wall. Built between long walls, beside Ringwall.
All fallen down.
Interspaces contain nothing

Stone Size (Length is parallel to grave chamber)

Long walls of chamber	Projecting upper part
(Long x thick) cm	(L. x W. x thick) cm
44 x 26	32 x 43 x 21
31 x 9	31 x 39 x 13
32 x 11	51 x 61 x 25

Re-use of existing R.W. (ringwall) for chamber : Two ringwalls on East and South.
Surface of B.R. (bed rock) : Secondary.

THE ALCOVE

Location : West wall **Re-use** of existing R.W. face : None

Capstone : Also used as L. 49 x W. 51 x thick 33 cm projecting stone

Width (of mouth) : 34 cm **Length** : 36 cm **Height** (from B.R.) : 60 cm

Remarks : * The eastern and southern sides belong to two separate ringwalls.

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : Sand, 50 cm.

Layer (2) : Many stones mixed with hard earth, 33 cm.

Floor level above B.R. : 4 cm thick loose brown soil.

CONTENTS OF GRAVE

Skeletal remains :

Stones : Steatite bowl with dot-in-circle design (SR 120).

Metals :

Shells :

Bitumen-lined materials :

Other :

Ceramics : Red 'Barbar' Ware (SR 105).

THE RINGWALL

Length (external, upper part) : 380 cm **Width** : 22 46 cm

Max. Height : 99 cm of 6 courses. Interspaces contain small stones.
(few)

Stone size (wall face) in cm		(top of wall)
Long x thick	Long x thick	L. 55 x W. 35 x thick 19 cm
40 x 17		L. 41 x W. 30 x thick 17 cm
		L. 33 x W. 37 x thick 16 cm

Filling between R.W. and grave : * continued below
Space too narrow to have contained filling. However, the capstone was sealed by gravel and earth of yellowish colour.

* Top of wall continued :

L. 39 x W. 33 x thick 30 cm
L. 35 x W. 23 x thick 21 cm

BURIAL — 50

Square D/E2 (Feature 11 & 10)

THE GRAVE CHAMBER

Orientation of grave chamber : 44° — NE

Capstones : None I. (from East) L. x W. x thick cm
II. cm III. cm IV. cm

Length : 155 cm (N) **Height** (overall from bed rock) : 97 cm
151 cm (S) Chamber walls : 78 cm (S) 63
cm (middle) Projecting part : 18 cm (S) 34

Width : 83 cm (base) Projection from base : (N) 13 cm (S) 30 cm
60 cm (top)

Masonry : Northern wall. 4 - 5 courses, regular.
Southern wall. 3 courses, regular.
Western wall. Built beside Ringwall, irregular.
Interspaces contain nothing

Stone size (Length is parallel to grave chamber)
Long walls of chamber Projecting upper part
(Long x thick) cm L. x W. x thick) cm
33 x 20 43 x 59 x 14
34 x 19 37 x 61 x 12
44 x 17 29 x 38 x 13

Re-use of existing R.W. (ringwall) for chamber : R.W. on East.
Surface of B.R. (bed rock) : Secondary.

THE ALCOVE

Location : South wall **Re-use** of existing R.W. face : on South

Capstone : L. 73 x W. 50 x thick 17 cm

Width of mouth : 38 cm **Length** : 58 cm **Height** (from B.R.) : 63 cm

Remarks :

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : Sand, 68 cm

Layer (2) : 14 19cm thick loose earth and few small stones.

Floor level above B.R. : 10 15 cm earth.

CONTENTS OF GRAVE

Skeletal remains : Human bones in fair condition.

Stones : Two beads (SR 98 - 99).

Metals : Bronze pieces of ring (SR 97).

Shells : Three, two conjoined (SR 239).

Bitumen-lined materials : Spherical basket remains at least 14 cm in diameter.

Other :

Ceramics : Cream slipped potsherds. Red pottery.

THE RINGWALL

Length (external, upper part) : 580 cm **Width** : 30 42 cm

Max. Height : 90 cm of 7 courses. Interspaces contain small stones.

Stone size (wall face) in cm		(top of wall)	
Long x thick	Long x thick	L. 59 x W. 28 x	thick 17 cm
28 x 13	30 x 13	L. 42 x W. 35 x	thick 14 cm
26 x 5		L. 26 x W. 22 x	thick 15 cm

Filling between R.W. and grave : Gravel and earth. Uniform deposit.

Remarks :

BURIAL — 51

Square D/E2 (Feature 3 & 4); D/D2 (10 & 9)

THE GRAVE CHAMBER

Orientation of grave chamber : 58° — NE (L-shaped)

Capstones : Three I. (from East) L. 85 x W. 66 x thick 18 cm
II. 82 x 54 x 12 cm III. 76 x 44 x 13 cm IV. cm

Length : 178 cm (N) **Height** (overall from bed rock) : 93 cm
171 cm (S) Chamber walls : 72 cm (S) 56
cm (middle) Projecting part : 19 cm (S) 29

Width : 92 cm (base) Projection from base : (N) 29 cm (S) 16 cm
46 cm (top)

Masonry : Northern wall. 5 - 6 courses, irregular.
Southern wall. 4 courses, regular.
Western wall. Built between long walls, beside Ringwall, irregular.
One course fallen.
Interspaces contain nothing

Stone size (Length is parallel to grave chamber)

Long walls of chamber (Long x thick) cm	Projecting upper part (L. x W. x thick) cm
29 x 11	26 x 50 x 8
18 X 11 (N)	31 x 54 x 9
20 x 14	41 x 61 x 4
	25 x 49 x 8
	31 x 42 x 7

Re-use of existing R.W. (ringwall) for chamber : R.W. on SE corner.
Surface of B.R. (bed rock) : Secondary.

THE ALCOVE

Location : North wall **Re-use** of existing R.W. face : None

Capstone : (In front) L. 46 x W. 50 x thick 13 cm
(Behind) L. 51 x W. 49 x thick 23 cm

Width (of mouth) : 44 cm **Length** : 46 cm **Height** (from B.R. : 55 cm)

Remarks :

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : Sand, 62 cm

Layer (2) : Earth and stones, 26 cm

Floor level above B.R. : Earth and sand, 5 cm.

CONTENTS OF GRAVE

Skeletal remains :

Stones :

Metals :

Shells :

Bitumen-lined materials :

Other :

Ceramics : Red, tempered ware.

THE RINGWALL

Length (external, upper part) : 568 cm **Width :** 16 - 44 cm

Max. Height : 118 cm of 11 courses. Interspaces contain small stones.
(few).

Stone size (wall face) in cm			(top of wall)
Long x thick	Long x thick	Long x thick	L. 50 x W. 44 x thick 10 cm
37 x 10	38 x 12	25 x 15	
30 x 11	32 x 13	26 x 28	

Filling between R.W. and grave : Uniform deposit of earth, gravel and few small stones.

Remarks :

BURIAL — 52

Square D/D2 (Feature 4 & 5)

THE GRAVE CHAMBER

Orientation of grave chamber : 46° — NE

Capstones : None I. (from East) L. x W. x thick cm
II. cm III. cm IV. cm

Length : 143 cm (N) **Height** (overall from bed rock) : 107 cm
160 cm (S) Chamber walls : 71 cm (S) 73
cm (middle) Projecting part : 25 cm (S) 30

Width : 76 cm (base) Projection from base : (N) 24 cm (S) 21 cm
42 cm (top)

Masonry : Northern wall. 3 courses, irregular.
Southern wall. 4 courses, irregular.
Western wall. Built between long walls, irregular.
Interspaces contain nothing

Stone size (Length is parallel to grave chamber)

Long walls of chamber	Projecting upper part
(Long x thick) cm	(L. x W. x thick) cm
45 x 25	48 x 56 x 12
49 x 29	30 x 55 x 16

Re-use of existing R.W. (ringwall) for chamber : R.W. on East.
Surface of B.R. (bed rock) : Secondary.

THE ALCOVE (Corbelled)

Location : North wall **Re-use** of existing R.W. face : None

Capstone : L. 74 x W. 40 x thick 22 cm

Width (of mouth) : 33 cm **Length** : 43 cm **Height** (from B.R.) : 66 cm

Remarks :

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : Sand, 73 cm.

Layer (2) : Earth mixed with stones, 24 cm.

Floor level above B.R. : Hard earth and gravel, 10 cm.

CONTENTS OF GRAVE

Skeletal remains : Half skull, teeth and bones*

Stones :

Metals : Pieces of bronze.

Shells :

Bitumen-lined materials : Few pieces.

Other :

Ceramics : Red, tempered ware.

THE RINGWALL

Length (external, upper part) : 450 cm **Width :** 33 42 cm

Max. Height : 114 cm of 6 courses. Interspaces contain nothing.

Stone size (wall face) in cm		(top of wall)	
Long x thick	Long x thick	L.	x W. x thick cm
28 x 18			
27 x 19			

Filling between R.W. and grave : Uniform deposit of earth, gravel and few stones.

Remarks : * Skull is near the west wall, face towards North.

BURIAL — 53

Square D/C2 (Feature 8 & 13); D/C3 (13); D/D2 (6 & 14); D/D3 (1)

THE GRAVE CHAMBER

Orientation of grave chamber : 52° — NE

Capstones : None I. (from East) L. x W. x thick cm
II. cm III. cm IV. cm

Length : 159 cm (N) **Height** (overall from bed rock) : 100 cm
137 cm (S) Chamber walls (N) : 79 86 cm (S) 83
172 cm (middle) Projecting part : 19 cm (S) 16

Width : 85 cm (base) Projection from base : (N) 33 cm (S) 16 cm
43 cm (top)

Masonry : Northern wall. 4 courses, regular.
Southern wall. 4 5 courses, regular. *
Western wall. Built between long walls, irregular.
Interspaces contain nothing

Stone size (Length is parallel to grave chamber)

Long walls of chamber (Long x thick) cm		Projecting upper part (L. x W. x thick) cm
38 x 28	30 x 12	21 x 63 x 12
41 x 20	28 x 14	22 x 65 x 17
43 x 20		42 x 60 x 15
35 x 23		

Re-use of existing R.W. (ringwall) for chamber : Two R.W.s on East.
Surface of B.R. (bed rock) : Original

THE ALCOVE

Location : South wall **Re-use** of existing R.W. face : on South

Capstone : L. 75 x W. 51 x thick 34 cm

Width : (of mouth) : 40 cm **Length** : 53 cm **Height** (from B.R.) : 72 cm

Remarks : * The lower two courses consist of large stones.

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : Sand, 65 cm

Layer (2) : Loose earth and few stones, 30 cm.

Floor level above B.R. : Brown sandy soil, 5 cm.

CONTENTS OF GRAVE

Skeletal remains :

Stones : Steatite 'Dilmun' seal (SR 206). Two beads (SR 87 and SR 88).
Four beads (SR 305).

Metals : Socketed spearhead of bronze (SR 89). Pieces (SR 86).

Shells : Fifty-five (SR 267).

Bitumen-lined materials : Fragments (SR 268).

Other :

Ceramics :

THE RINGWALL

Length (external, upper part) : 508 cm **Width** : 22 47 cm

Max. Height : 142 cm of 7 courses. Interspaces contain nothing.

Stone size (wall face) in cm		(top of wall)
Long x thick	Long x thick	L. 37 x W. 31 x thick 13 cm
20 x 9 (Upper)	46 x 24 (Lower)	L. 26 x W. 28 x thick 14 cm
31 x 16	52 x 29	

Filling between R.W. and grave : Earth mixed with gravel and very few stones. Uniform.

Remarks :

BURIAL — 54

Square D/C3 (Feature 12 & and 11)

THE GRAVE CHAMBER

Orientation of grave chamber : 48° — NE

Capstones : None I. (from East) L. x W. x thick cm
II. cm III. cm IV. cm

Length : cm (N) **Height** (overall from bed rock : 97 cm
cm (S) Chamber walls : 58 cm (S) 66 - 75
161 cm (middle) Projecting part : 41 cm (S) 23

Width : 83 cm (base) Projection from base : (N) 18 cm (S) 23 cm
46 cm (top)

Masonry : Northern wall. 5 courses, irregular.
Southern wall. 5 courses, irregular.
Western wall. Built between long walls, irregular. 62 cm high.
Interspaces contain small stones

Stone size (Length is parallel to grave chamber)

Long walls of chamber (Long x thick) cm	Projecting upper part (L. x W. x thick) cm
55 x 26 53 x 32	35 x 50 x 30 — 34
36 x 27	33 x 41 x 14
41 x 21	44 x 57 x 18

Re-use of existing R.W. (ringwall) for chamber : R.W. in SE corner
Surface of B.R. (bed rock) : Secondary.

THE ALCOVE

Location : North wall **Re-use** of existing R.W. face : None

Capstone : L. 51 x W. 47 x thick 37 cm

Width (of mouth) : 38 cm **Length** : 42 cm **Height** (from B.R.) : 45 cm

Remarks :

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : Thick deposit of sand, 80 cm.

Layer (2) : 7-10 cm thick earth and few stones.

Floor level above B.R. : Hard earth with small stones, 10 cm.

CONTENTS OF GRAVE

Skeletal remains : Few human bones, poor condition.

Stones :

Metals : Socketed spearhead of bronze (SR 53).

Shells :

Bitumen-lined materials :

Other :

Ceramics :

THE RINGWALL

Length (external, upper part): 519 cm **Width :** 49-52 cm

Max. Height : 120 cm of 5 courses. Interspaces contain nothing.

Stone size (wall face) in cm		(top of wall)
Long x thick	Long x thick	L. 51 x W. 46-x thick 23 cm
28 x 30		L. 31 x W. 30 x thick 13 cm
		L. 46 x W 30 x thick 17 cm

Filling between R.W. and grave : Two deposits.

Upper : 49 cm thick floor surface to top level of projecting stones consisted of numerous small stones, gravel and earth.

Lower : 55 cm thick and associated with the vertical part of grave above the B.R. was composed of few stones and earth. Differences in the contents of two deposits, each associated with vertical and projecting parts of this Burial were sharp. The upper part of R.W. also shows change in masonry where small stones are used as compared to its basal part of large stones.

BURIAL — 55

Square D/C3 (Feature 2 & 3); D/B3 (10 & 9)

THE GRAVE CHAMBER

Orientation of grave chamber : 52° — NE

Capstones : None I (from East) L. x W. x thick cm
II. cm III. cm IV. cm

Length : 178 cm (N) **Height** (overall from bed rock) : 109 cm
167 cm (S) Chamber walls : 63 70 cm
cm (middle) Projecting part : 29 cm

Width : 83 cm (base) Projection from base : (N) 26 cm (S) cm
33 cm (top)

Masonry : Northern wall. 4 5 courses, irregular.
Southern wall. 5 courses, irregular.
Western wall. Built with long walls not beside Ringwall, irregular.
Interspaces contain nothing

Stone size (Length is parallel to grave chamber)
Long walls of chamber Projecting upper part
(Long x thick) cm (L. x W. x thick) cm
32 x 17 40 x 13 (N) 45 x 59 x 22 & 26 x 54 x 28
35 x 13 21 x 22 (S) 36 x 39 x 5 & 26 x 33 x 6
48 x 30 42 x 20 28 x 39 x 8

Re-use of existing R.W. (ringwall) for chamber : R.W. on East.
Surface of B.R. (bed rock) : Secondary.

THE ALCOVE

Location : South wall **Re-use** of existing R.W. face : on South

Capstone : L. 66 x W. 40 x thick 29 cm

Width (of mouth) : 45 cm **Length** : 48 cm **Height** (from B.R.) : 72 cm

Remarks : The projecting stones cover the top of capstones of the alcove.

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : Sand, 70 cm.
Layer (2) : Loose earth and fallen stones, 35 cm.
Floor level above B.R. : 4 cm of earth.

CONTENTS OF GRAVE

Skeletal remains :

Stones : Steatite 'Dilmun' seal (SR 212).

Metals : Pieces of bronze sheet (SR 61).

Shells : Seventeen (SR 226).

Bitumen-lined materials : Fragments only.

Other :

Ceramics : Red 'Barbar' Ware.

THE RINGWALL

Length (external, upper part) : 510 cm **Width** : 28 46 cm

Max height : 143 cm of 5 courses.* Interspaces contain nothing.

Stones size (wall face) in cm			(top of wall)
Long x thick	Long x thick		L. 40 x W. 36 x thick 17 cm
29 x 34	30 x 16	18 x 20	
66 x 41	39 x 34		
25 x 8	48 x 31		

Filling between R.W. and grave : Uniform deposit of earth, gravel and small stones.

Remarks :* Amongst five courses, the lower three are of large stone.

BURIAL — 56

Square D/B3 (Feature 8 & 7); D/C3 (4)

THE GRAVE CHAMBER

Orientation of grave chamber : 46° — NE

Capstones : None I. (from East) L. x W. x thick cm
II. cm III. cm IV. cm

Length : 166 cm (N) **Height** (overall from bed rock) : 111 cm
152 cm (S) Chamber walls : 77 cm (S) 73
cm (middle) Projecting part : 33 cm

Width : 90 cm (base) Projection from base : (N) 17 cm (S) 22 cm
56 cm (top)

Masonry : Northern wall. 3 4 courses, irregular.
Southern wall. 4 courses, regular.
Western wall. Built between long walls, irregular.
Interspaces contain small stones.

Stone size (Length is parallel to grave chamber)
Long walls of chamber Projecting upper part
(Long x thick) cm (L. x W. x thick) cm
51 x 43 49 x 39 36 x 13 x 14
28 x 26 41 x 19 20 x 50 x 20

Re-use of existing R.W. (ringwall) for chamber : R.W. on East.
Surface of B.R. (bed rock) : Original

THE ALCOVE (Corbelled back)

Location : South wall **Re-use** of existing R.W. face : on South

Capstone : Fallen L. x W. x thick cm

Width (of mouth) : 42 cm **Length** : 71E, 64W cm **Height** (from B.R.) : 64 cm

Remarks : Grave was damaged from E side by the robbers.

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : Sand, 65 cm.

Layer (2) : Earth and few stones, 31 cm

Floor level above B.R. : Gravel and earth, 15 cm.

CONTENTS OF GRAVE

Skeletal remains :

Stones : Pieces of steatite bowl (SR 38). Two beads (SR 30 & SR 33).

Metals : Bronze finger ring (SR 26).

Shells : Disc (SR 40). Seal with volute design (SR 203).

Bitumen-lined materials :

Other :

Ceramics : Red ware but buff slipped.

THE RINGWALL

Length (external, upper part) : 500 cm **Width** : 20 40 cm

Max Height : 125 cm of 7 courses. Interspaces contain small stones.

Stone size (wall face) in cm		(top of wall) .
Long x thick	Long x thick	L. 31 x W. 40 x thick 13 cm
20 x 14	15 x 10	L. 52 x W. 49 x thick 10 cm
24 x 12	50 x 25	

Filling between R.W. and grave : Uniform deposit of earth, gravel and few stones.

Remarks :

BURIAL — 57

Square D/B3 (Feature 6); D/B4 (1 & 2); D/A4 (1)

THE GRAVE CHAMBER

Orientation of grave chamber : 42° — NE

Capstones : Three I. (from East) L. 115 x W. 48 x thick 35 cm
II. 75 x 35 x 15 cm III. 90 x 54 x 12 cm IV. cm

Length : 154 cm (N) **Height** (overall from bed rock) : 104 cm
140 cm (S) Chamber walls (N) : 80 cm (S) 67 90
cm (middle) Projecting part : 25 cm (S) 38

Width : 88 cm (base) Projection from base : (N) 23 cm (S) 10 cm
48 cm (top)

Masonry : Northern wall. 3 courses, irregular.*
Southern wall. 3 4 courses, irregular.
Western wall. Built beside Ringwall, very irregular.
Interspaces contain nothing

Stone size (Length is parallel to grave chamber)
Long walls of chamber Projecting upper part
(Long x thick) cm (L. x W. x thick) cm
54 x 27 45 x 94 x 15
65 x 32 35 x 50 x 10
33 x 20

Re-use of existing R.W. (ringwall) for chamber : R.W. on East.
Surface of B.R. (bed rock) : Secondary.

THE ALCOVE

Location : North wall **Re-use** of existing R.W. face : None

Capstone : Corbelled back L. 76 x W. 70 x thick 27 cm

Width (of mouth); 50 cm **Length** : 45** cm **Height** (from B.R.) : 75 cm

Remarks : * Broken at NE corner.
** Middle.

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : Sand, 67 cm.
Layer (2) : Loose earth, sand and few stones, 26 cm.
Floor level above B.R. : Sandy soil, 11 cm.

CONTENTS OF GRAVE

Skeletal remains :

Stones :

Metals :

Shells :

Bitumen-lined materials :

Other :

Ceramics : Red, tempered ware.

THE RINGWALL

Length (external, upper part : 520 cm **Width** : 15 45 cm

Max. Height : 145cm of 7 courses. Interspaces contain small stones.
(few)*

Stone size (wall face) in cm		(top of wall)
Long x thick	Long x thick	L. 71 x W. 56 x thick 29 cm
54 x 23 32 x 25	36 x 23	L. 28 x W. 32 x thick 12 cm
39 x 19 24 x 14		
14 x 14 40 x 11		

Filling between R.W. and grave : Two deposits. **Upper** : Gravel and few stones, 50 cm thick down to the level of projecting stones. **Lower** : 38 cm thick consisting of loose earth mixed with few small stones.

Remarks : Lower courses consist of large stones which are semi-dressed. The upper courses corresponding with the level of projecting stones of the burial chambers consist of small stone with rough surface.

BURIAL — 58

Square D/A4 (Feature 2 & 3); D/B4 (3)

THE GRAVE CHAMBER

Orientation of grave chamber : 38° — NE

Capstones : Four I. (from East) L. 80 x W. 74 x thick 15 cm
II. 83 x 43 x 10 cm III. 89 x 30 x 20 cm IV 101 x 33 x 22 cm

Length : cm (N) **Height** (overall from bed rock) : 108 cm
cm (S) Chamber walls : 72 80 cm (S) 81
169 cm (middle) Projecting part : 36 cm (S) 21

Width : 91 cm (base) Projection from base : (N) 28 cm (S) 33 cm
32 cm (top)

Masonry : Northern wall. 3 4 courses, irregular. One very large stone
Southern wall. 4 5 courses, irregular. at base.
Western wall. Built between long walls, irregular. Broken.
Interspaces contain nothing

Stone size (Length is parallel to grave chamber)

Long walls of chamber (Long x thick) cm	Projecting upper part (L. x W. x thick) cm
34 x 20 55 x 28	41 x 72 x 16
45 x 24 15 x 10	36 x 90 x 16
35 x 15 31 x 16	41 x 70 x 24

Re-use of existing R.W. (ringwall) for chamber : R.W. on East.
Surface of B.R. (bed rock) : Original but levelled.

THE ALCOVE (Corbelled).

Location : North wall **Re-use** of existing R.W. face : None

Capstone : L. x W. x thick cm

Width (of mouth); 34 cm **Length** : 47 cm **Height** (from B.R.): 56 cm

Remarks :

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : Sand, 70 cm.

Layer (2) : Loose earth and few stones, 20 cm.

Floor level above B.R. : Hard earth, 18 cm.

CONTENTS OF GRAVE

Skeletal remains :

Stones : Bead (SR 10).

Metals :

Shells :

Bitumen-lined materials :

Other :

Ceramics : Red 'Barbar' Ware. Red, tempered ware.

THE RINGWALL

Length (external, upper part) : 566 cm **Width** : 19 30 cm

Max. Height : 138 cm of 9 courses. Interspaces contain small stones.

Stone size (wall face) in cm		(top of wall)		
Long x thick	Long x thick	L.	x W.	x thick cm
31 x 22	19 x 13			
17 x 18				

Filling between R.W. and grave : Earth, gravel and small stones.
Uniform deposit.

Remarks :

BURIAL — 59

Square D/A4 (Feature 6 & 5)

THE GRAVE CHAMBER

Orientation of grave chamber : 40° — NE

Capstones : Three I. (from East) L. 110 x W. 62 x thick 20 cm
II. 62 x 30 x 23 cm III. 81 x 70 x 23 x cm IV. cm

Length : 160 cm (N) **Height** (overall from bed rock) : 120 cm
140 cm (S) Chamber walls : 75 cm (S) 81
cm (middle) Projecting part : 40 cm (S) 30

Width : 83 cm (base) Projection from base : (N) 22 cm (S) 7 cm
56 cm (top)

Masonry : Northern wall. 4 5 courses, irregular. One course of large stone at base.
Southern wall. 6 7 courses, irregular.
Western wall. Built between long walls, irregular.
Interspaces contain nothing

Stone size (Length is parallel to grave chamber)

Long walls of chamber (Long x thick) cm	Projecting upper part (L. x W. x thick) cm
31 x 31 39 x 34	32 x 50 x 20
24 x 25 35 x 8	28 x 52 x 12
42 x 14	22 x 41 x 12

Re-use of existing R.W. (ringwall) for chamber : R.W. on East.
Surface of B.R. (bed rock) : Original but levelled.

THE ALCOVE

Location : South wall **Re-use** of existing R.W. face : on South

Capstone : L. 75 x W. 60 x thick 19 cm

Width (of mouth) : 49 cm **Length** : 48(W), 44(E) cm **Height** (from B.R.) : 70 cm

Remarks :

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : 87 cm thick sand with clayish streaks.

Layer (2) : Loose earth, 13 cm.

Floor level above B.R. : Good floor of rammed earth, 20 cm thick.

CONTENTS OF GRAVE

Skeletal remains : Few but in fair condition, with piece of skull.

Stones : Steatite 'Dilmun' seal (SR 198).
Bead (SR 15).

Metals :

Shells : Twenty-five with black marks (SR 237).

Bitumen-lined materials : Pieces with basket marks (SR 224).

Other :

Ceramics : 'Barbar' Ware pot with grey slip (SR 266).
Cream slipped red potsherds.

THE RINGWALL

Length (external, upper part) : 400 cm **Width :** 30 45 cm

Max. Height : 152 cm of 6 courses. Interspaces contain nothing.

Stone size (wall face) in cm		(top of wall)
Long x thick	Long x thick	L. 28 x W. 30 x thick 13 cm
26 x 19	17 x 12	L. 44 x W. 45 x thick 16 cm

Filling between R.W. and grave : Uniform deposit of earth, gravel and few stones.

Remarks : A retaining wall connects the grave with R.W. 33 cm long.

BURIAL — 61

Square D/A5 (Feature 3 & 2)

THE GRAVE CHAMBER

Orientation of grave chamber : 44° — NE

Capstones : Four I. (from East) L. 70 x W. 40 x thick 16 cm
II. 86 x 58 x 22 cm III. 66 x 41 x 20 cm IV. 93 x 57 x 16 cm

Length : 153 cm (N) **Height** (overall from bed rock) : 96 cm
166 cm (S) Chamber walls : 70 cm
cm (middle) Projecting part : 26 cm (S) 32

Width : 81 cm (base) Projection from base : (N) 24 cm (S) 21 cm
38 cm (top)

Masonry : Northern wall. 4 5 courses, regular.
Southern wall. 4 courses, irregular.
Western wall. Built between long walls, irregular. Broken.
Interspaces contain small stones.

Stone size (Length is parallel to grave chamber)

Long walls of chamber (Long x thick) cm		Projecting upper part (L. x W. x thick) cm
48 x 16	42 x 14	31 x 53 x 9
41 x 17	40 x 23	36 x 48 x 15
31 x 11	19 x 12	26 x 30 x 10
18 x 12	41 x 18	28 x 65 x 8

Re-use of existing R.W. (ringwall) for chamber : R.W. on East.
Surface of B.R. (bed rock) : Secondary.

THE ALCOVE

Location : South wall **Re-use** of existing R.W. face : None

Capstone : L. 63 x 48 x thick 19 cm

Width (of mouth) : 43 cm **Length** : 44* cm **Height** (from B.R.) : 61 cm

Remarks : * On Eastern side, it is 36 cm long.

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : Sand, 62 cm

Layer (2) : Loose earth and stones, 24 cm.

Floor level above B.R. : Earth, 10 cm.

CONTENTS OF GRAVE

Skeletal remains : Few

Stones :

Metals : A piece of bronze blade.

Shells :

Bitumen-lined materials :

Other :

Ceramics : Red 'Barbar' Ware.

THE RINGWALL

Length (external, upper part) : 541 cm **Width :** 36 70 cm

Max. Height : 123 cm of 6 courses. Interspaces contain small stones.

Stone size (wall face) in cm			(top of wall)
Long x thick	Long x thick		L. 60 x W. 50 x thick 25 cm
47 x 29	41 x 22	16 x 15	L. 56 x W. 35 x thick 28 cm
44 x 18	33 x 27		L. 53 x W. 54 x thick 17 cm
35 x 15	25 x 16		

Filling between R.W. and grave : Uniform deposit of earth, gravel and small stones.

Remarks :

BURIAL — 62

Square D/B4 (Feature 4 & 5)

THE GRAVE CHAMBER

Orientation of grave chamber : 60° — NE

Capstones : Three I. (from East) L. 84 x W. 46 x thick 30 cm
II. 107 x 63 x 18 cm III. 100 x 53 x 21 cm IV. cm

Length : 135 cm (N) **Height** (overall from bed rock) : 102 cm
146 cm (S) Chamber walls : 72 cm (S) 79
cm (middle) Projecting part : 30 cm (S) 23

Width : 93 cm (base) Projection from base : (N) 19 cm (S) 24 cm
50 cm (top)

Masonry : Northern wall. 4 courses, irregular.
Southern wall. 4 courses, irregular.
Western wall. Built between long walls, irregular. Broken.
Interspaces contain nothing

Stone size (Length is parallel to grave chamber)

Long walls of chamber (Long x thick) cm	Projecting upper part (L. x W. x thick) cm
40 x 25 38 x 36	52 x 79 x 24
29 x 20 31 x 20	30 x 37 x 6
42 x 24	

Re-use of existing R.W. (ringwall) for chamber : R.W. on East.
Surface of B.R. (bed rock) : Secondary.

THE ALCOVE

Location : South wall **Re-use** of existing R.W. face : None

Capstone : L. 110 x W. 60 x thick 34 cm

Width (of mouth); 38 cm **Length** : 42 (E), 35 (W) cm **Height** (from B.R.) : 65 cm

Remarks :

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : Sandy, 62 cm.

Layer (2) : Earth and few small stones but mostly sandy, 28 cm.

Floor level above B.R. : 12 cm thick loose earth and bits of stone.

CONTENTS OF GRAVE

Skeletal remains : Few

Stones : Steatite cup with dot-in-circle design (SR 255).

Metals : Bronze antimony rod (SR 43).

Shells :

Bitumen-lined materials : Pieces only.

Other :

Ceramics : Red 'Barbar' Ware.

THE RINGWALL

Length (external, upper part) : 485 cm **Width :** 28 40 cm

Max. Height : 140 cm of 11 courses. Interspaces contain small stones.

Stone size (wall face) in cm		(top of wall)	
Long x thick	Long x thick	L.	x W. x thick cm
20 x 14	65 x 30		
14 x 9			

Filling between R.W. and grave : Below 35 cm thick layer of sand, uniform deposit of earth, gravel and small stones. associated with the grave chamber, projecting part and sealing the capstone.

Remarks :

BURIAL — 63

Square D/A5 (Feature 12 & 10);

THE GRAVE CHAMBER

Orientation of grave chamber : 54° — NE

Capstones : Three* I. (from East) L. 74 x W. 38 x thick 11 cm
II. 98 x 50 x 14 cm III. 79 x 37 x 31 cm IV. cm

Length : 147 cm (N) **Height** (overall from bed rock) : 95 cm
152 cm (S) Chamber walls : 78 cm (S) 76 83
cm (middle) Projecting part : 28 cm (S) 23

Width : 82 cm (base) Projection from base : (N) 23 cm (S) 13 cm
48 cm (top)

Masonry : Northern wall. 2 3 courses, regular. Large stones in lower courses
Southern wall. 4 courses, regular.
Western wall. Built between long walls, irregular.
Broken, 28 cm high and 30 20 cm wide.
Interspaces contain small stones.

Stone size (Length is parallel to grave chamber)

Long walls of chamber (Long x thick) cm	Projecting upper part (L. x W. x thick) cm	
30 x 28	45 x 22	31 x 61 x 81
47 x 24		43 x 71 x 21
37 x 15		37 x 52 x 31

Re-use of existing R.W. (ringwall) for chamber : R.W. on East.
Surface of B.R. (bed rock) : Original.

THE ALCOVE

Location : North wall **Re-use** of existing R.W. face : on North

Capstone : L. 63 x W. 52 x thick 14 cm

Width (of mouth) : 42 × cm **Length** : 56 cm **Height** (from B.R.) : 68 cm

Remarks : * Small stones between large sized slab to fill in gaps.
× The alcove narrows at back to 24 cm.

STRATIGRAPHY OF GRAVE CHAMBER

- Layer (1) below capstone level : Sand, 66 cm.
Layer (2) : Light brown earth, 25 30 cm.
Floor level above B.R. : Earth and few stones, 10 15 cm.

CONTENTS OF GRAVE

Skeletal remains :

Stones :

Metals : Two pieces of bronze (SR 24).

Shells :

Bitumen-lined materials :

Other :

Ceramics : Red 'Barbar' Ware.

THE RINGWALL

Length (external, upper part) : 450 cm **Width** : 20 52 cm

Max. Height : 116 cm of 6 courses. Interspaces contain nothing.

Stone size (wall face) in cm		(top of wall)	
Long x thick	Long x thick	L. 45 x W. 44 x thick 15 cm	
21 x 12	31 x 20	L. 25 x W. 32 x thick 16 cm	
31 x 20	29 x 10	L. 54 x W. 36 x thick 18 cm	
50 x 22			

Filling between R.W. and grave : Two deposits.

Upper : sealing the capstone is 15 cm thick (under 10 cm sand) and is mostly composed of small stones.

Lower : deposit, associated with the grave chamber is composed of earth mixed with very small stones.

BURIAL — 63 A

Square D/A4 (Feature 4 & 11); D/A5 (11)

THE GRAVE CHAMBER

Orientation of grave chamber : 54° — NE

Capstones : Two I. (from East) L. 71 x W. 48 x thick 26 cm
II. 92 x 54 — cm III. cm IV. cm

Length : 163 cm (N) **Height** (overall from bed rock): 106 cm
180 cm (S) Chamber walls : 67 cm (S) 76
cm (middle) Projecting part : 31 cm (S) 34

Width : 84 90 cm (base) Projection from base : (N) 14 cm (S) 27 cm
43 cm (top)

Masonry : Northern wall. 3 4 courses, irregular.
Southern wall. 4 5 courses, irregular.
Western wall. Built between long walls, irregular.
Broken, 50 cm high.
Interspaces contain nothing

Stone size (Length is parallel to grave chamber)

Long walls of chamber	Projecting upper part
(Long x thick) cm	(L. x W. x thick) cm
37 x 28 30 x 22	60 x 46 x 13
42 x 20 49 x 21	24 x 41 x 14

Re-use of existing R.W. (ringwall) for chamber : Two R.W.s on E & N.
Surface of B.R. (bed rock) : Secondary.

THE ALCOVE

Location : South wall **Re-use** of existing R.W. face : None

Capstone : * L. 68 x W. 42 x thick 30 cm

Width (of mouth) : 32 cm **Length** : 35 cm **Height** (from B.R.) : 58 cm

Remarks : * The alcove is corbelled behind the capstone.

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : Sand, 70 cm.

Layer (2) : Earth and few stones, 27 cm.

Floor level above B.R. : Hard earth, 5 cm.

CONTENTS OF GRAVE

Skeletal remains :

Stones : Steatite 'Dilmun' seal, both sides rubbed off (SR 216).

Metals : Bronze ring (SR 230).

Shells :

Bitumen-lined materials :

Other :

Ceramics : Small vase (SR 12). Red 'Barbar' Ware.

THE RINGWALL

Length (external, upper part) : 410 cm **Width** : 20 40 cm

Max. Height : 110 cm of 7 courses. Interspaces contain small stones. *

Stone size (wall face) in cm		(top of wall)
Long x thick	Long x thick	L. 41 x W. 31 x thick 11 cm
20 x 15		L. 35 x W. 33 x thick 22 cm
23 x 11		

Filling between R.W. and grave : Uniform deposit of earth, gravel and very small stones.

Remarks : * Lower courses consist of large stones.

BURIAL — 64

Square D/B4 (Feature 6 & 7)

THE GRAVE CHAMBER

Orientation of grave chamber : 56° — NE

Capstones : Three I. (from East) L. 60 x W. 40 x thick 15 cm
II. 97 x 63 x 14 cm III. 102 x 48 x 17 cm IV. cm

Length : 144 cm (N) **Height** (overall from bed rock) : 103 cm
161 cm (S) Chamber walls (N) : 74 80 cm (S) 70 - 78
 cm (middle) Projecting part : 26 cm (S) 32

Width : 76 cm (base) Projection from base : (N) 7 cm (S) 30 cm
33 cm (top)

Masonry : Northern wall. 4 courses, regular. Lower two courses of large stones.
Southern wall. 4 5 courses, regular.
Western wall. Built between long walls, irregular.
Interspaces contain small stones.

Stone size (Length is parallel to grave chamber)

Long walls of chamber (Long x thick) cm	Projecting upper part (L. x W. x thick) cm
44 x 26 41 x 23	25 x 23 x 13
41 x 22 36 x 20	25 x 46 x 11
	37 x 53 x 13

Re-use of existing R.W. (ringwall for chamber : R.W. on East.
Surface of B.R. (bed rock) : Secondary.

THE ALCOVE

Location : North wall **Re-use** of existing R.W. face : on North

Capstone : L. 90 x W. 51 x thick 25 cm

Width (of mouth) : 44 cm **Length** : 67(E), 72(W) cm **Height** (from B.R.): 56 cm

Remarks :

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : Sand, 70 cm.

Layer (2) : 15 20 cm of loose earth and few stones.

Floor level above B.R. : 11 16 cm, hard earth and gravel

CONTENTS OF GRAVE

Skeletal remains : Present in fair condition.

Stones :

Metals : Three pieces of bronze (SR 31).

Shells :

Bitumen-lined materials :

Other :

Ceramics : Red 'Barbar' Ware. A globular vase of pale red ware.

THE RINGWALL

Length (External, upper part) : 486 cm **Width** : 23 36 cm

Max. Height : 127 cm of 7 courses. Interspaces contain nothing.

Stone size (wall face) in cm			(top of wall)		
Long x thick		Long x thick	L.	x W.	x thick cm
33 x 16	30 x 17	23 x 16*			
28 x 17	36 x 16				

Filling between R.W. and grave : Uniform deposit of earth and very small stones.

Remarks : * Large stones are used in the lower part of well.

BURIAL — 65

Square D/D2 (Feature 8 & 7); D/D3 (13)

THE GRAVE CHAMBER

Orientation of grave chamber : 50° — NE (L-shaped)

Capstones : One I. (from East) L. x W. x thick cm
II. cm III. 89 x 60 x 10 cm IV. cm

Length : 155 cm (N) **Height** (Overall from bed rock) : 102 cm
170 cm (S) Chamber walls : 83 cm (S) 80
cm (middle) Projecting part : 25 cm

Width : 77 cm (base) Projection from base : (N) 18 cm (S) 13 cm
54 cm (top)

Masonry : Northern wall. 6 courses, regular.
Southern wall. 5 courses, regular.
Western wall. Built beside Ringwall, irregular.
Interspaces contain nothing.

Stone size (Length is parallel to grave chamber)
Long walls of chamber Projecting upper part
(Long x thick) cm (L. x W. thick) cm
30 x 14 56 x 62 x 10
26 x 12 48 x 46 x 10

Re-use of existing R.W. (ringwall) for chamber : R.W. on East.
Surface of B.R. (bed rock) : Secondary.

THE ALCOVE (Corbelled)

Location : South wall **Re-use** of existing R.W. face : on South

Capstone : L. x W. x thick cm

Width (of mouth) : 48 cm **Length** : 60 cm **Height** (from B.R.) : 88 cm

Remarks :

STRATIGRAPHY GRAVE CHAMBER

Layer (1) below capstone level : Sand, 43 cm.

Layer (2) : Earth mixed with stones, 47 cm.

Floor level above B.R. : Sandy soil and gravel, 12 cm.

CONTENTS OF GRAVE

Skeletal remains :

Stones :

Metals :

Shells :

Bitumen-lined materials :

Other :

Ceramics :

THE RINGWALL

Length (external, upper part) : 380 cm **Width** : 18 37 cm

Max. Height : 101 cm of 6 courses. Interspaces contain small stones.

Stone size (wall face) in cm		(top of wall)
Long x thick	Long x thick	L. 35 x W. 36 x thick 15 cm
31 x 14	19 x 10	L. 32 x W. 30 x thick 10 cm
22 x 7		

Filling between R.W. and grave : Uniform deposit of gravel and earth only.

Remarks :

BURIAL — 66

Square D/D3 (Feature 2 & 3)

THE GRAVE CHAMBER

Orientation of grave chamber : 44° — NE (L-shaped)

Capstones : Three I. (from East) L. 78 x W. 68 x thick 13 cm
II. 87 x 44 x 13 cm III. 86 x 52 x 20 cm IV. cm

Length : 141 cm (N) **Height** (overall from bed rock) : 116 cm
143 cm (S) Chamber walls : 79 cm (S) 75
cm (middle) Projecting part : 31 cm (S) 29

Width : 86 cm (base) Projection from base : (N) 27 cm (S) 34 cm
33 cm (top)

Masonry : Northern wall. 5 6 courses, regular.
Southern wall. 6 7 courses, regular.
Western wall. Built beside Ringwall, irregular.
Interspaces contain nothing

Stone size (Length is parallel to grave chamber)

Long walls of chamber (Long x thick) cm		Projecting upper part (L. x W. x thick) cm
34 x 19	24 x 9	51 x 57 x 12
36 x 8	21 x 8	32 x 58 x 10
		24 x 62 x 13

Re-use of existing R.W. (ringwall) for chamber : R.W. on East.
Surface of B.R. (bed rock) : Secondary

THE ALCOVE (Corbelled)

Location : South wall **Re-use** of existing R.W. face : on South

Capstone : L. x W. x thick cm

Width (of mouth); 43 cm **Length** : 48 cm **Height** (from B.R.) : 97 cm

Remarks :

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : 70 cm thick sand.

Layer (2) : Stones and earth 36 cm.

Floor level above B.R. : 10 cm thick sandy soil.

CONTENTS OF GRAVE

Skeletal remains :

Stones : Steatite 'Dilmun' seal (SR 194).
Three beads (SR 75, SR 76 and SR 223).

Metals : Bronze pieces

Shells : Two (SR 300).

Bitumen-lined materials :

Other :

Ceramics : Pale red potsherds.

THE RINGWALL

Length (external, upper part) : 377 cm **Width** : 15 26 cm

Max. Height : 129 cm of 8 courses. Interspaces contain nothing.

Stone size (wall face) in cm		(top of wall)	
Long x thick	Long x thick	L. x W.	x thick cm
22 x 12	30 x 6		
30 x 8			

Filling between R.W. and grave : Yellow coloured gravel and stones mixed with earth.
Uniform.

Remarks :

BURIAL — 67

Square D/D3 (Feature 4 & 14); D/C3 (10 & 9)

THE GRAVE CHAMBER

Orientation of grave chamber : 44° — NE

Capstones : Three* I. (from East) L. 112 x W. 56 x thick 11 cm
II. 107 124 x cm III. 95 x 53 x 15 cm IV. cm

Length : cm (N) **Height** (overall from bed rock) : 92 cm
cm (S) Chamber walls : 77 cm
156 cm (middle) Projecting part : 16 cm (S) 12

Width : 77 cm (base) Projection from base : (N) 25 cm (S) 20 cm
35 cm (top)

Masonry : Northern wall. 5 courses, regular.
Southern wall. 4 courses, regular.
Western wall. Built between long walls, irregular. Broken, 57 cm high.
Interspaces contain small stones, (few).

Stone size (Length is parallel to grave chamber)		Projecting upper part
Long walls of chamber		(L. x W. x thick) cm
(Long x thick) cm		
	31 x 13	24 x 50 x 11
29 x 14		23 x 52 x 12
	40 x 18	36 x 49 x 15

Re-use of existing R.W. (ringwall) for chamber : R.W. on East.
Surface of B.R. (bed rock) : Secondary

THE ALCOVE

Location : North wall **Re-use** of existing R.W. face : None

Capstone : L. 54 x W. 22 x thick 16 cm

Width (of mouth) : 49 cm **Length** : 50(W), 40(E) cm **Height** (from B.R.) : 60 cm

Remarks : * Small stones were placed between large slabs to fill up gaps.

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : Wind and rain deposited sand, 58 cm.

Layer (2) : Earth and few stones, 24 cm.

Floor level above B.R. : Earth and sand, 10 cm.

CONTENTS OF GRAVE

Skeletal remains :

Stones :

Metals :

Shells :

Bitumen-lined materials :

Other :

Ceramics :

THE RINGWALL

Length (external, upper part) : 507 cm **Width** : 20 42 cm

Max. Height : 119 cm of 7 courses. Interspaces contain nothing.

Stone size (wall face) in cm		(top of wall)
Long x thick	Long x thick	L. 53 x W. 32 x thick 21 cm
45 x 18	25 x 12	L. 48 x W. 28 x thick 15 cm
40 x 19		L. 28 x W. 39 x thick 17 cm

Filling between R.W. and grave : Uniform deposit of earth and gravel.
No stones

Remarks :

BURIAL — 68

Square D/C3 (Feature 7 & 6)

THE GRAVE CHAMBER

Orientation of grave chamber : 50° — NE

Capstones : Three* I. (from East) L. 84 x W. 48 x thick 16 cm
II. 117 x 57 x 16 cm III. 94 x 70 x 16 cm IV. cm

Length : cm (N) **Height** (overall from bed rock) : 104 cm
cm (S) Chamber walls : 90 cm (S) 72 - 82
164 cm (middle) Projecting part : 23 cm (S) 25

Width : 83 cm (base) Projection from base : (N) 7 cm (S) 5 cm
76 cm (top)

Masonry : Northern wall. 6 courses, irregular.
Southern wall. 7 courses, irregular.
Western wall. Built between long walls, irregular.
Interspaces contain nothing

Stone size (Length is parallel to grave chamber)

Long walls of chamber	Projecting upper part
(Long x thick) cm	(L. x W. x thick) cm
44 x 25	26 x 54 x 17
26 x 16	32 x 50 x 13
31 x 22	41 x 44 x 9

Re-use of existing R.W. (ringwall) for chamber : Two ringwalls on East and Southeast.
Surface of B.R. (bed rock) : Secondary.

THE ALCOVE

Location : North wall **Re-use** of existing R.W. face : None

Capstone : L. 60 x W. 29 x thick 19 cm

Width (of mouth) : 46 cm **Length** : 46 cm **Height** (from B.R.) : 72 cm

Remarks : * Small stones were set in between spaces left by the capstones.

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : Sand, 40 cm.

Layer (2) : Earth and few stones, 30 cm.

Floor level above B.R. : Earth and gravel, 32 cm.

CONTENTS OF GRAVE

Skeletal remains :

Stones :

Metals : Bronze socketed spearhead (SR 60).

Shells :

Bitumen-lined materials :

Other :

Ceramics :

THE RINGWALL

Length (external, upper part) : 500 cm **Width** : 23 56 cm

Max. Height : 120 cm of 4 courses. Interspaces contain nothing.

Stone size (wall face) in cm		(top of wall)		
Long x thick	Long x thick	L.	x W.	x thick cm
23 x 11	27 x 12			
37 x 22				

Filling between R.W. and grave : Uniform deposit of gravel and small stones sealed by sand on top.

Remarks :

BURIAL — 69

Square D/C3 (Feature 5); D/C4 (1 & 2); D/B4 (15)

THE GRAVE CHAMBER

Orientation of grave chamber : 50° — NE

Capstones : Three I. (from East) L. 80 x W. 38 x thick 17 cm
II. 100 x 60 x 22 cm III. 80 x 50 x 18 cm IV. cm

Length : cm (N) **Height** (overall from bed rock) : 85 cm
cm (S) Chamber walls : 71 cm (S) 72
174 cm (middle) Projecting part : 14 cm (S) 24

Width : 72 cm (base) Projection from base : (N) 15 cm (S) cm
43 cm (top)

Masonry : Northern wall. 4 courses, irregular.
Southern wall. 4 courses, irregular.
Western wall. Built between long walls, irregular.
Interspaces contain nothing

Stone size (Length is parallel to grave chamber)

Long walls of chamber (Long x thick) cm	Projecting upper part (L. x W. x thick) cm
27 x 14 24 x 12	25 x 44 x 8
23 x 11	32 x 45 x 17
20 x 11	25 x 57 x 14

Re-use of existing R.W. (ringwall) for chamber : R.W. on East.
Surface of B.R. (bed rock) : Secondary

THE ALCOVE

Location : North wall **Re-use** of existing R.W. face : None

Capstone : Corbelled and curved back L. 77 x W. 52 x thick 26 cm

Width (of mouth); 38 cm **Length :** 54 cm **Height** (from B.R.) : 58 cm

Remarks :

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : Sand, 72 cm.

Layer (2) : Earth and gravel 13 cm.

Floor level above B.R. : Hard earth, 5 cm.

CONTENTS OF GRAVE

Skeletal remains :

Stones : 'Early' type of 'Dilmun' seal of steatite (SR 213).

Metals : Bronze bangle (SR 52).

Shells :

Bitumen-lined materials :

Other :

Ceramics : Red 'Barbar' Ware pot (SR 248).

THE RINGWALL

Length (external, upper part) : 570 cm **Width** : 28 50 cm

Max. Height : 108 cm of 8 courses. Interspaces a few contain small stones.

Stone size (wall face) in cm		(top of wall)	
Long x thick	Long x thick	L. 52 x W. 38 x thick 19 cm	
40 x 17	23 x 11	L. 43 x W. 42 x thick 14 cm	
28 x 19		L. 60 x W. 45 x thick 27 cm	
		L. 50 x W. 40 x thick 13 cm	

Filling between R.W. and grave : Uniform deposit of gravel and small stones.

Remarks :

BURIAL — 69A

Square D/B4 (Feature 12 & 11)

THE GRAVE CHAMBER

Orientation of grave chamber : 58° — NE

Capstones : None I. (from East) L. x W. x thick cm
II. cm III. cm IV. cm

Length : 150 cm (N) **Height** (overall from bed rock) : 112 cm
155 cm (S) Chamber walls : 70 cm (S) 83
cm (middle) Projecting part : 23 cm

Width : 79 cm (base) Projection from base : (N) 11 cm (S) 8 cm
58 cm (top)

Masonry : Northern wall. Both the walls belong to
Southern wall. Burials 64 and 69.
Western wall. Built between long walls, irregular.
Interspaces contain a few small stones in the R.W.s.

Stone size (Length is parallel to grave chamber)
Long walls of chamber Projecting upper part
(Long x thick) cm (L. x W. x thick) cm
Omitted; see R.W. of 36 x 45 x 14
Burials 64 and 69 44 x 47 x 20
47 x 55 x 20

Re-use of existing R.W. (ringwall) for chamber : Four ringwalls, one each on N., S., &
two on E.
Surface of B.R. (bed rock) : Original.

THE ALCOVE

Location : No alcove **Re-use** of existing R.W. face :

Capstone : L. x W. x thick cm

Width (of mouth); cm **Length** : cm **Height** (from B.R.) : cm

Remarks :

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : Sand, 80 cm.

Layer (2) : Fallen stones with earth, 27 cm.

Floor level above B.R. : Loose brown soil, 5 cm.

CONTENTS OF GRAVE

Skeletal remains :

Stones :

Metals : Bronze blade (SR 27).

Shells :

Bitumen-lined materials :

Other :

Ceramics :

THE RINGWALL

Length (external, upper part) : 86* cm **Width** : 22 31 cm

Max. Height : 88 cm of 3 courses. Interspaces contain nothing.

Stone size (wall face) in cm		(top of wall)
Long x thick 17 x 9	Long x thick	L. 42 x W. 30 x thick 25 cm

Filling between R.W. and grave : Space too narrow to have any filling.

Remarks : * between two ringwalls.

BURIAL — 70

Square D/E2 (Feature 9 & 8); D/F2 (1 & 2)

THE GRAVE CHAMBER

Orientation of grave chamber : 60° — NE

Capstones : None I. (from East) L. x W. x thick cm
II. cm III. cm IV. cm

Length : 145 cm (N) **Height** (overall from bed rock) : 99 cm
165 cm (S) Chamber walls : 80 cm (S) 84
cm (middle) Projecting part : cm

Width : 86 cm (base) Projection from base : (N) cm (S) cm
cm (top)

Masonry : Northern wall. 4 courses, regular.
Southern wall. 4 5 courses, irregular.
Western wall. Built between long walls, irregular.
Broken, only 2 courses survive.
Interspaces contain nothing

Stone size (Length is parallel to grave chamber)
Long walls of chamber Projecting upper part
(Long x thick) cm (L. x W. x thick) cm
37 x 28 28 x 11
39 x 11 36 x 28

Re-use of existing R.W. (ringwall) for chamber : 2 R.W.s on East.
Surface of B.R. (bed rock) : Secondary

THE ALCOVE

Location : North wall **Re-use** of existing R.W. face : on North

Capstone : Corbelled L. 74 x W. 58 x thick 12 cm (in front)

Width (of mouth); 46 cm **Length** : 53(E), 78(W) cm **Height** (from B.R.) : 64 cm

Remarks :

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : Sand, 60 cm.

Layer (2) : Earth and stones, 34 cm.

Floor level above B.R. : Earth, 5 cm.

CONTENTS OF GRAVE

Skeletal remains :

Stones :

Metals : Two finger rings of bronze (SR 137 and 233).

Shells : Present.

Bitumen-lined materials :

Other :

Ceramics : Red 'Barbar' Ware. Red cream slipped ware. Four small buff and red ware vases and bowls (SR 127, SR 130, SR 131 and SR 138).

THE RING-

WALL

Length (external, upper part) : 590 cm **Width :** 22 - 45 cm

Max. Height : 108 cm of 6 courses. Interspaces contain nothing.

Stone size (wall face) in cm		(top of wall)	
Long x thick	Long x thick	L. 37 x W. 36 x thick 23 cm	
21 x 12	26 x 15	L. 53 x W. 40 x thick 26 cm	
52 x 26	85 x 47		

Filling between R.W. and grave : Uniform deposit of earth, gravel and very small stones.

Remarks :

BURIAL — 71

Square D/F1 (Feature 5 & 6); D/F2 (14 & 13)

THE GRAVE CHAMBER

Orientation of grave chamber : 60° — NE

Capstones : None I. (from East) L. x W. x thick cm
II. cm III. cm IV. cm

Length : cm (N) **Height** (overall from bed rock) : 92 cm
cm (S) Chamber walls : 70 cm (S) 67 80
137 cm (middle) Projecting part : 12 cm (S) 19

Width : 84 cm (base) Projection from base : (N) — cm (S) 18 cm
55 cm (top)

Masonry : Northern wall. 2 courses, regular.
Southern wall. 4 courses, regular.
Western wall. Built between long walls, irregular.
and broken. 45 cm high only.
Interspaces contain small stones

Stone size (Length is parallel to grave chamber)

Long walls of chamber	Projecting upper part
(Long x thick) cm	(L. x W. x thick) cm
35 x 30	51 x 58 x 10
50 x 26	41 x 54 x 16
60 x 22	32 x 67 x 14
5 x 16	

Re-use of existing R.W. (ringwall) for chamber : 2 R.W. on East.
Surface of B.R. (bed rock) : Secondary

THE ALCOVE

Location : North wall **Re-use** of existing R.W. face : R.W. on North

Capstone : (fallen) L. x W. x thick cm. Corbelled at back.

Width (of mouth); 42 cm **Length** : 62 cm **Height** (from B.R.) : — cm

Remarks :

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : 60 65 cm sand with mud streaks.

Layer (2) : Approximately 25 cm thick earth, sand and small stones.

Floor level above B.R. : Not recognisable.

CONTENTS OF GRAVE

Skeletal remains :

Stones :

Metals :

Shells :

Bitumen-lined materials :

Other :

Ceramics

THE RINGWALL

Length (external, upper part) : 485 cm **Width** : 33 42 cm

Max. Height : 103 cm of 6 courses. Interspaces contain nothing.

Stone size (wall face) in cm		(top of wall)	
Long x thick	Long x thick	L. 38 x W. 50 x thick 25 cm	
37 x 35	66 x 22	L. 69 x W. 37 x thick 18 cm	
36 x 12			

Filling between R.W. and grave : Earth mixed with gravel and few small stones.
Uniform deposit.

Remarks : R.W. shows use of semi-dressed stone in the lower part.

BURIAL — 72

Square D/F1 (Feature 7 & 14); D/G1 (2 & 1)

THE GRAVE CHAMBER

Orientation of grave chamber : 60° — NE

Capstones : None I. (from East) L. x W. x thick cm
II. cm III. cm IV. cm

Length : cm (N) **Height** (overall from bed rock) : 102 cm
cm (S) Chamber walls (N) : 67 78 cm (S) 77
150 cm (middle) Projecting part : 33 cm (S) 18

Width : 77 cm (base) Projection from base : (N) 14 cm (S) 17 cm
44 cm (top)

Masonry : Northern wall. 4 courses, regular.
Southern wall. 4 courses, irregular.
Western wall. Built beside Ringwall, irregular. Broken,
Interspaces contain a few small stones.

Stone size (Length is parallel to grave chamber)
Long walls of chamber Projecting upper part
(Long x thick) cm (L. x W. x thick) cm
29 x 15 20 x 8 31 x 86 x 14
20 x 6 21 x 11 15 x 32 x 9
28 x 8 26 x 12 27 x 36 x 8

Re-use of existing R.W. (ringwall) for chamber : R.W. on East.
Surface of B.R. (bed rock) : Original but levelled.

THE ALCOVE (with curved back)

Location : South wall **Re-use** of existing R.W. face : None

Capstone : L. 56 x W. 51 x thick 24 cm

Width (of mouth); 54 cm **Length** : 58 cm **Height** (from B.R.) : 75 cm

Remarks : * Chamber robbed from S.E.

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : Sand, 45 cm.

Layer (2) : Earth and few stones, 37 cm.

Floor level above B.R. : Earth and sand, 20 cm.

CONTENTS OF GRAVE

Skeletal remains :

Stones :

Metals :

Shells : Twenty-three (SR 134).

Bitumen-lined materials : Pieces only (SR 133).

Other :

Ceramics : Red 'Barbar' Ware(SR 132).

THE RINGWALL

Length (external, upper part) : 470 cm **Width :** 23 33 cm

Max. Height : 180 cm of 5 courses. Interspaces contain small stones.

Stone size (wall face) in cm		(top of wall)
Long x thick	Long x thick	L. 33 x W. 39 x thick 15 cm
60 x 18	28 x 12	L. 58 x W. 42 x thick 21 cm.
26 x 6		L. 29 x W. 33 x thick 11 cm.

Filling between R.W. and grave : Uniform deposit of earth, small stones and gravel.

Remarks :

BURIAL — 73

Square D/G1 (Feature 5 & 7)

THE GRAVE CHAMBER

Orientation of grave chamber : 64° — E — NE

Capstones : None I. (from East) L. x W. x thick cm
II. cm III. cm IV. cm

Length : 150 cm (N) **Height** (overall from bed rock) : 118 cm
147 cm (S) Chamber walls : 75 cm (S) 70
cm (middle) Projecting part : 33 cm

Width : 90 cm (base) Projection from base : (N) 20 cm (S) 16 cm
60 cm (top)

Masonry : Northern wall. 4 courses, regular.
Southern wall. 5 courses, regular.
Western wall. Built between long walls, irregular.
Interspaces contain nothing

Stone size (Length is parallel to grave chamber)
Long walls of chamber Projecting upper part
(Long x thick) cm (L. x W. x thick) cm
24 x 9 56 x 44 x 13
40 x 17 36 x 46 x 17
28 x 14

Re-use of existing R.W. (ringwall) for chamber : R.W. on East.
Surface of B.R. (bed rock) : Secondary

THE ALCOVE

Location : North wall **Re-use** of existing R.W. face : R.W. on North

Capstone : L. 63 x W. 47 x thick 26 cm

Width (of mouth); 41 cm **Length** : 61 cm **Height** (from B.R.) : 68 cm

Remarks :

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : Nearly 70 cm thick sand, wind blown and water laid.

Layer (2) : Approximately 40 cm earth mixed with fallen stones and gravel.

Floor level above B.R. : 8 10 cm of earth. Uneven surface.

CONTENTS OF GRAVE

Skeletal remains :

Stones :

Metals :

Shells :

Bitumen-lined materials :

Other :

Ceramics :

THE RINGWALL

Length (external, upper part) : 430 cm **Width** : 31 43 cm

Max. Height : 100 cm of 7 courses. Interspaces contain small stones.

Stone size (wall face) in cm		(top of wall)
Long x thick	Long x thick	L. 45 x W. 45 x thick 20 cm
42 x 40		
55 x 26		

Filling between R.W. and grave : Two deposits :

Upper, above the level of projecting stones consisted of earth with numerous small stones.

Lower, down to the B.R. was composed of gravel and few stones mixed with earth. Two fillings indicating two phases or stages of construction are not common at this site.

BURIAL — 74

Square D/E2 (Feature 7 & 6); D/F2 (4)

THE GRAVE CHAMBER

Orientation of grave chamber : 46° — NE

Capstones : None I. (from East) L. x W. x thick cm
II. cm III. cm IV. cm

Length : 100 cm (N) **Height** (overall from bed rock) : 93 cm
122 cm (S) Chamber walls : 63 cm (S) 74
cm (middle) Projecting part : cm

Width : 58 cm (base) Projection from base : (N) 20 cm (S) 9 cm
40 cm (top)

Masonry : Northern wall. 5 courses, irregular.
Southern wall. 5 courses, irregular.
Western wall. Built between long walls, regular 63 cm high.
Interspaces contain nothing

Stone size (Length is parallel to grave chamber)

Long walls of chamber	Projecting upper part
(Long x thick) cm	(L. x W. x thick) cm
46 x 27	38 x 61 x 21
33 x 21	46 x 65 x 15
22 x 14	

Re-use of existing R.W. (ringwall) for chamber : R.W. on East
Surface of B.R. (bed rock) Secondary.

THE ALCOVE (curved back)

Location : North wall **Re-use** of existing R.W. face : None

Capstone : Fallen L. x W. x thick cm

Width (of mouth) : 47 cm **Length** : 44(E), 52(W) cm **Height** (from B.R.) : 67 cm

Remarks :

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : Sand, 70 cm.

Layer (2) : Loose earth, 16 cm.

Floor level above B.R. : 4 - 7 cm of clay-like soil. Floor level not clearly defined.

CONTENTS OF GRAVE

Skeletal remains :

Stones :

Metals :

Shells :

Bitumen-lined materials :

Other :

Ceramics :

THE RINGWALL

Length (external, upper part) : 470 cm **Width** : 26 - 44 cm

Max. Height : 95 cm of 5 courses. Interspaces contain nothing.

Stone size (wall face) in cm		(top of wall)	
Long x thick	Long x thick	L. 44 x W. 38 x thick 38 cm	
52 x 26	36 x 10	L. 51 x W. 31 x thick 17 cm	
40 x 22	17 x 8	L. 36 x W. 28 x thick 6 cm	
		L. 26 x W. 40 x thick 8 cm	

Filling between R.W. and grave : Uniform deposit of earth mixed with gravel and few small stones.

Remarks :

BURIAL — 75

Square D/F2 (Feature 3 & 10)

THE GRAVE CHAMBER

Orientation of grave chamber : 50° — NE (L-shaped)

Capstones : None I. (from East) L. x W. x thick cm
II. cm III. cm IV. cm

Length : 195 cm (N) **Height** (overall from bed rock) : 91 cm
164 cm (S) Chamber walls : 86 cm (S) 67
cm (middle) Projecting part : 17 cm

Width : 89 cm (base) Projection from base : (N) 12 cm (S) 25 cm
66 cm (top)

Masonry : Northern wall. 4 5 courses, regular.
Southern wall. 4 courses, regular.
Western wall. Built between long walls, irregular. All broken.
Interspaces contain a few small stones.

Stone size (Length is parallel to grave chamber)
Long walls of chamber Projecting upper part
(Long x thick) cm (L. x W. x thick) cm
29 x 23 33 x 47 x 8
41 x 12 36 x 56 x 17
36 x 19

Re-use of existing R.W. (ringwall) for chamber : Two ringwalls on East.
Surface of B.R. (bed rock) : Secondary

THE ALCOVE

Location : South wall **Re-use** of existing R.W. face : R.W. on its East side.

Capstone : L. 61 x W. 55 x thick 16 cm

Width (of mouth); 42 cm **Length** : 29(W) cm **Height** (from B.R.) : 68 cm

Remarks :

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : Sand and a few stones, 62 cm.

Layer (2) : Loose earth, 14 cm.

Floor level above B.R. : Up to 15 cm thick earth mixed with gravel.

CONTENTS OF GRAVE

Skeletal remains :

Stones : Unfinished seal(?) of steatite (SR 214).

Metals :

Shells :

Bitumen-lined materials : Square shaped approximately 14 cm across, basket remains (floor alcove).

Other :

Ceramics : Red, tempered ware. Cream slipped potsherds.

THE RINGWALL

Length (external, upper part) : 485 cm **Width** : 22 32 cm

Max. Height : 82 cm of 3 courses. Interspaces contain nothing.

Stone size (wall face) in cm		(top of wall)	
Long x thick	Long x thick	L. 22 x W. 31 x thick 16 cm	
30 x 17		L. 48 x W. 34 x thick 20 cm	
29 x 11			

Filling between R.W. and grave : Gravel and small stones. Uniform deposit.

Remarks :

BURIAL — 76

Square D/F2 (Feature 9 & 12)

THE GRAVE CHAMBER

Orientation of grave chamber : 60° — NE

Capstones : None I. (from East) L. x W. x thick cm
II. cm III. cm IV. cm

Length : cm (N) **Height** (overall from bed rock) : 92 cm
cm (S) Chamber walls : 83 cm (S) 77
143 cm (middle) Projecting part : cm

Width : 83 cm (base) Projection from base : (N) cm (S) cm
cm (top)

Masonry : Northern wall. 5 courses, regular.
Southern wall. 5 courses, regular.
Western wall. Built between long walls, irregular.
Interspaces contain nothing.

Stone size (Length is parallel to grave chamber)
Long walls of chamber Projecting upper part
(Long x thick) cm (L. x W. x thick) cm
20 x 17
30 x 13
20 x 6

Re-use of existing R.W. (ringwall) for chamber : R.W. on East.
Surface of B.R. (bed rock) : Secondary

THE ALCOVE

Location : South wall **Re-use** of existing R.W. face : None

Capstone : L. 47 x W. 35 x thick 15 cm

Width (of mouth); 44 cm **Length** : 48 cm **Height** (from B.R.) : 41 cm

Remarks : NW corner of chamber is broken.

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : Sand, 65 cm.

Layer (2) : Loose earth, 20 cm.

Floor level above B.R. : 6 8 cm earth and sandy soil.

CONTENTS OF GRAVE

Skeletal remains :

Stones : Steatite cup.

Metals :

Shells :

Bitumen-lined materials : Fragments (SR 272).

Other :

Ceramics :

THE RINGWALL

Length (external, upper part) : 384 cm **Width** : 27 31 cm

Max. Height : 67 cm of 4 courses. Interspaces contain nothing.

Stone size (wall face) in cm		(top of wall)	
Long x thick	Long x thick	L. 43 x W. 37 x	thick 16 cm
19 x 9	35 x 8	L. 34 x W. 28 x	thick 12 cm

Filling between R.W. and grave : No space for filling.

Remarks :

BURIAL — 77

Square D/F2 (Feature 11); D/G2 (7).

THE GRAVE CHAMBER

Orientation of grave chamber : 58° — NE

Capstones : None I. (from East) L. x W. x thick cm
II. cm III. cm IV. cm

Length : 152 cm (N) **Height** (overall from bed rock) : 103 cm
183 cm (S) Chamber walls : 82 cm (S) 89
cm (middle) Projecting part : cm

Width : 81 cm (base) Projection from base : (N) cm (S) cm
cm (top)

Masonry : Northern wall. 5 courses, regular. * Both walls
Southern wall. 5 courses, regular. damaged.
Western wall. Built beside Ringwall, irregular.
Interspaces contain nothing

Stone size (Length is parallel to grave chamber)
Long walls of chamber Projecting upper part
(Long x thick) cm (L. x W. x thick) cm
43 x 15 43 x 20
24 x 10
44 x 16

Re-use of existing R.W. (ringwall) for chamber : R.W. on East.
Surface of B.R. (bed rock) : Secondary.

THE ALCOVE (V-shaped)

Location : South wall **Re-use** of existing R.W. face : None

Capstone : Fallen L. 51 x W. 50 x thick 15 cm

Width (of mouth) : 44 cm **Length** : 35(W), 44(E) cm **Height** (from B.R.) : 58 cm

Remarks : * North wall damaged at N.W. Corner.
S.W. corner also devoid of upper three courses of stones.
The grave has been robbed from western side.

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : sand and fallen stones, 55 cm.

Layer (2) : Numerous fallen stones and earth, 33 cm.

Floor level above B.R. : Earth mixed with sand, 15 cm.

CONTENTS OF GRAVE

Skeletal remains :

Stones :

Metals :

Shells : Seal with incised marks (SR 208). Twenty shells (SR 238).

Bitumen-lined materials :

Other :

Ceramics : Red 'Barbar' Ware (SR 128).

THE RINGWALL

Length (external, upper part) : 480 cm **Width** : 30 42 cm

Max. Height : 100 cm of 5 courses. Interspaces contain nothing.

Stone size (wall face) in cm		(top of wall)	
Long x thick	Long x thick	L. 35 x W. 31 x thick	9 cm
26 x 9	31 x 13L. 41 x W. 34 x thick		10 cm
16 x 8			

Filling between R.W. and grave : Uniform deposit of earth, very small stones and gravel.

Remarks :

BURIAL — 78

Square D/G1 (Feature 4 & 8); D/G2 (6 & 5)

THE GRAVE CHAMBER

Orientation of grave chamber : 60° — NE

Capstones : None I. (from East) L. x W. x thick cm
II. cm III. cm IV. cm

Length : 143 cm (N) **Height** (overall from bed rock) : 87 cm
152 cm (S) Chamber walls : 75 cm (S) 80
cm (middle) Projecting part : cm

Width : 75 cm (base) Projection from base : (N) cm (S) cm
cm (top)

Masonry : Northern wall. 6 7 courses, regular.
Southern wall. 4 courses, regular.
Western wall. Built between long walls, irregular. Broken.
Interspaces contain nothing

Stone size (Length is parallel to grave chamber)
Long walls of chamber Projecting upper part
(Long x thick) cm (L. x W. x thick) cm
40 x 30 23 x 12
20 x 16
17 x 25

Re-use of existing R.W. (ringwall) for chamber : R.W. on East.
Surface of B.R. (bed rock) : Original but levelled.

THE ALCOVE

Location : North wall **Re-use** of existing R.W. face : R.W. on North

Capstone : L. 47 x W. 27 x thick 16 cm

Width (of mouth) : 36 cm **Length** : 40 cm **Height** (from B.R.) : 53 cm
max.

Remarks :

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : 66 cm thick sand.

Layer (2) : Max. 17 cm thick earth deposit.

Floor level above B.R. : 4 cm thick earth floor.

CONTENTS OF GRAVE

Skeletal remains :

Stones :

Metals :

Shells :

Bitumen-lined materials :

Other :

Ceramics : Red 'Barbar' Ware (SR 290)

THE RINGWALL

Length (external, upper part) : 450 cm **Width** : 24 38 cm

Max. Height : 103 cm of 8 courses. Interspaces contain small stones.

Stone size (wall face) in cm		(top of wall)
Long x thick	Long x thick	L. 35 x W. 26 x thick 9 cm
20 x 16	20 x 17	
32 x 20	42 x 20	
31 x 14	36 x 25	

Filling between R.W. and grave : Earth, gravel and few small stones. Uniform deposit.

Remarks : Partially dug in 1979 by Dr. M. Ibrahim.

BURIAL — 79

Square D/G1 (Feature 9 & 10)

THE GRAVE CHAMBER

Orientation of grave chamber : 76° — E — NE

Capstones : ? I. (from East) L. x W. x thick cm
II. cm III. cm IV. cm

Length : 136 cm (N) **Height** (overall from bed rock) : 104 cm
126 cm (S) Chamber walls : 80 cm (S) 68
cm (middle) Projecting part : 39 cm

Width : 88 cm (base) Projection from base : (N) cm (S) 30 cm
67 cm (top)

Masonry : Northern wall. R.W. of Burial 78.
Southern wall. 5 courses, regular.
Western wall. Built beside Ringwall, irregular.
Interspaces contain nothing

Stone size (Length is parallel to grave chamber)
Long walls of chamber Projecting upper part
(Long x thick) cm (L. x W. x thick) cm
47 x 25 36 x 50 x 16
28 x 20 43 x 80 x 36

Re-use of existing R.W. (ringwall) for chamber : 2 R.W. on East and North.
Surface of B.R. (bed rock) : Secondary

THE ALCOVE

Location : No alcove **Re-use** of existing R.W. face :

Capstone : L. x W. x thick cm

Width (of mouth) : cm **Length** : cm **Height** (from B.R.) : cm

Remarks :

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level :
Layer (2) : NOT KNOWN
Floor level above B.R. :

CONTENTS OF GRAVE

Skeletal remains :

Stones :

Metals : Bronze pieces.

Shells : Two.

Bitumen-lined materials :

Other :

Ceramics :

THE RINGWALL

Length (external, upper part) : 400 cm **Width** : 43 cm

Max. Height : 93 cm of 4 courses. Interspaces contain nothing.

Stone size (wall face) in cm		(top of wall)
Long x thick	Long x thick	L. 44 x W. 31 x thick 31 cm
34 x 22		L. 48 x W. 61 x thick 25 cm
27 x 12		

Filling between R.W. and grave : Not known.

Remarks : Excavated by Dr. M. Ibrahim in 1979.
Total contents not known.

BURIAL — 81

Square D/G1 (Feature 12 & 15); D/H 1 (3)

THE GRAVE CHAMBER

Orientation of grave chamber : 70° — E - NE

Capstones : ? I. (from East) L. x W. x thick cm
II. cm III. cm IV. cm

Length : cm (N) **Height** (overall from bed rock) : 91 cm
cm (S) Chamber walls : 75 cm (S) 59
134 cm (middle) Projecting part : cm

Width : 73 cm (base) Projection from base : (N) cm (S) 20 cm
cm (top)

Masonry : Northern wall. 6 courses, regular.
Southern wall. 6 courses, irregular.
Western wall. Built beside Ringwall, irregular.
Interspaces contain nothing

Stone size (Length is parallel to grave chamber)
Long walls of chamber Projecting upper part
(Long x thick) cm (L. x W. x thick) cm
34 x 20
27 x 18
32 x 13

Re-use of existing R.W. (ringwall) for chamber : R.W. on East.
Surface of B.R. (bed rock) : Secondary

THE ALCOVE

Location : North wall **Re-use** of existing R.W. face : R.W. on North

Capstone : L. 48 x W. 47 x thick 23 cm

Width (of mouth) : 41 cm **Length** : 42 cm **Height** (from B.R.) : 57 cm.

Remarks :

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level :

Layer (2) : NOT KNOWN

Floor level above B.R. :

CONTENTS OF GRAVE

Skeletal remains :

Stones :

Metals :

Shells :

Bitumen-lined materials :

Other :

Ceramics :

THE RINGWALL

Length (external, upper part) : 370 cm **Width** : 18 39 cm

Max. Height : 66 cm of 4 courses. Interspaces contain nothing.

Stone size (wall face) in cm		(top of wall)	
Long x thick	Long x thick	L. 40 x W. 30 x thick 17 cm	
35 x 9		L. 54 x W. 42 x thick 24 cm	
24 x 12			

Filling between R.W. and grave : Earth and gravel as indicated in the section.

Remarks : Excavated by Dr. M. Ibrahim in 1979.
Contents not known.

BURIAL — 82

Square D/H1 (Feature 2 & 4)

THE GRAVE CHAMBER

Orientation of grave chamber : 68° — E NE

Capstones : None I. (from East) L. x W. x thick cm
II. cm III. cm IV. cm

Length : cm (N) **Height** (overall from bed rock) : 100 cm
cm (S) Chamber walls : 80 cm (S) 67
135 cm (middle) Projecting part : cm

Width : 72 cm (base) Projection from base : (N) cm (S) cm
cm (top)

Masonry : Northern wall. 3 5 courses, regular.
Southern wall. 4 5 courses, regular.
Western wall. Built beside Ringwall, irregular.
Interspaces contain small stones.

Stone size (Length is parallel to grave chamber)
Long walls of chamber Projecting upper part
(Long x thick) cm (L. x W. x thick) cm
23 x 16
30 x 20

Re-use of existing R.W. (ringwall) for chamber : R.W. on East.
Surface of B.R. (bed rock) : Original.

THE ALCOVE

Location : North wall **Re-use** of existing R.W. face : on North.

Capstone : L. 43 x W. 37 x thick 23 cm

Width (of mouth) : 34 cm **Length** : 38(E), 46(W) cm **Height** (from B.R.) : 56 cm

Remarks :

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : Sand, 60 cm.

Layer (2) : Loose earth and stones, 25 cm.

Floor level above B.R. : Hard floor of earth, 10 - 15 cm.

CONTENTS OF GRAVE

Skeletal remains : Few bones in poor condition.

Stones :

Metals :

Shells :

Bitumen-lined materials :

Other :

Ceramics : Globular jar of dull red ware (SR 270).

THE RINGWALL

Length (external, upper part) : 313 cm **Width** : 23 - 33 cm

Max. Height : 65 cm of 4 courses. Interspaces contain small stones.

Stone size (wall face) in cm		(top of wall)	
Long x thick	Long x thick	L. x W.	x thick cm
40 x 27			
56 x 15			

Filling between R.W. and grave : Uniform deposit of earth and gravel.

Remarks :

BURIAL — 83

Square D/H1 (Feature 5 & 6); D/H2 (1).

THE GRAVE CHAMBER

Orientation of grave chamber : 54° — NE

Capstones : None I. (from East) L. x W. x thick cm
II. cm III. cm IV. cm

Length : cm (N) **Height** (overall from bed rock) : 75 cm
cm (S) Chamber walls : 60 cm (S) 55
148 cm (middle) Projecting part : cm

Width : 71 75 cm (base) Projection from base : (N) cm (S) cm
cm (top)

Masonry : Northern wall. 5 courses, irregular.
Southern wall. 4 courses, regular.
Western wall. Built between long walls, irregular.
Interspaces contain nothing

Stone size (Length is parallel to grave chamber)
Long walls of chamber Projecting upper part
(Long x thick) cm (L. x W. x thick) cm
27 x 10 15 x 13 (one only)
17 x 11 27 x 28 38 x 30 x 9
22 x 12

Re-use of existing R.W. (ringwall) for chamber : R.W. on East.
Surface of B.R. (bed rock) : Secondary.

THE ALCOVE

Location : North wall **Re-use** of existing R.W. face : None

Capstone : Corbelled at back L. 60 x W. 54 x thick 18 cm

Width (of mouth) : 36 cm **Length** : 28 cm **Height** (from B.R.) : 57 cm

Remarks : NE corner of burial chamber was broken.

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : 25 cm thick sand.

Layer (2) : 45 cm thick earth.

Floor level above B.R. : 15 cm of earth and few stones.

CONTENTS OF GRAVE

Skeletal remains :

Stones :

Metals :

Shells :

Bitumen-lined materials :

Other :

Ceramics :

THE RINGWALL

Length (external, upper part) : 480 cm **Width** : 28 39 cm

Max. Height : 65 cm of 2 courses. Interspaces contain few small stones.

Stone size (wall face) in cm		(top of wall)	
Long x thick	Long x thick	L. 26 x W. 23 x thick 13 cm	
36 x 28		L. 44 x W. 34 x thick 30 cm	
28 x 16			

Filling between R.W. and grave : Uniform deposit of earth, gravel and small stones.

Remarks :

BURIAL — 84

Square D/G2 (Feature 2 & 1 — 4); D/G1 (11)

THE GRAVE CHAMBER

Orientation of grave chamber : 54° — NE (L-shaped)

Capstones : None I. (from East) L. x W. x thick cm
II. cm III. cm IV. cm

Length : cm (N) **Height** (overall from bed rock) : 77 cm
cm (S) Chamber walls : 74 cm (S) 72
130 cm (middle) Projecting part : cm

Width : 80 cm (base) Projection from base : (N) cm (S) cm
cm (top)

Masonry : Northern wall. 6 courses, regular.
Southern wall. 6 7 courses, irregular.
Western wall. Built between long walls, irregular.
Three courses survive, 46 cm high.
Interspaces contain nothing

Stone size (Length is parallel to grave chamber)
Long walls of chamber Projecting upper part
(Long x thick) cm (L. x W. x thick) cm
21 x 8 28 x 6
29 x 14 42 x 20
22 x 14 20 x 11

Re-use of existing R.W. (ringwall) for chamber : R.W. on East.
Surface of B.R. (bed rock) : Original.

THE ALCOVE'

Location : North wall **Re-use** of existing R.W. face : None

Capstone : Corbelled L. x W. x thick cm

Width (of mouth) : 46 cm **Length** : 43 cm **Height** (from B.R.) : 63 cm.

Remarks :

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : Sand, 23 cm.

Layer (2) : Earth and stones, 42 cm.

Floor level above B.R. : Earth and sand, 12 cm.

CONTENTS OF GRAVE

Skeletal remains :

Stones : Bead (SR 250).

Metals : Bronze dagger, complete (SR 256).

Shells :

Bitumen-lined materials :

Other :

Ceramics : Red 'Barbar' Ware (SR 139).

THE RINGWALL

Length (external, upper part) : 465 cm **Width** : 23 45 cm

Max. Height : 70 cm of 5 courses. Interspaces contain nothing.

Stone size (wall face) in cm		(top of wall)	
Long x thick	Long x thick	L. 39 x W. 42 x thick 12 cm	
18 x 6	23 x 9	L. 45 x W. 24 x thick 18 cm	
18 x 13			

Filling between R.W. and grave : Very few small stones and gravel mixed with earth filled in uniformly.

Remarks :

BURIAL — 85

Square D/H1 (Feature 7 & 8)

THE GRAVE CHAMBER

Orientation of grave chamber : 60° — NE (L-shaped).

Capstones : None I. (from East) L. x W. x thick cm
II. cm III. cm IV. cm

Length : cm (N) **Height** (overall from bed rock) : 60 cm
cm (S) Chamber walls : 60 cm (S) 40
114 cm (middle) Projecting part : cm

Width : 70 cm (base) Projection from base : (N) cm (S) cm
cm (top)

Masonry : Northern wall. 5 courses, regular.
Southern wall. 3 courses, regular.
Western wall. Built between long walls, irregular.
Interspaces contain nothing

Stone size (Length is parallel to grave chamber)
Long walls of chamber Projecting upper part
(Long x thick) cm (L. x W. x thick) cm
30 x 16 18 x 8
17 x 12
27 x 13

Re-use of existing R.W. (ringwall) for chamber : R.W. on East.
Surface of B.R. (bed rock) : Original.

THE ALCOVE

Location : South wall **Re-use** of existing R.W. face : None

Capstone : None L. x W. x thick cm

Width (of mouth); 33 cm **Length** : 37 cm **Height** (from B.R.) : 44 cm

Remarks :

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : Sand, 45 cm.

Layer (2) : Earth and few small stones, 15 cm.

Floor level above B.R. : Not recognizable.

CONTENTS OF GRAVE

Skeletal remains :

Stones :

Metals :

Shells :

Bitumen-lined materials :

Other :

Ceramics :

THE RINGWALL

Length (external, upper part) : 337 cm **Width** : 26 38 cm

Max. Height : 75 cm of 3 courses. Interspaces contain small stones.

Stone size (wall face) in cm		(top of wall)
Long x thick	Long x thick	L. 46 x W. 37 x thick 28 cm
46 x 25	44 x 22	

Filling between R.W. and grave : Small stones and gravel.
Uniform deposit.

Remarks :

BURIAL — 88

Square D/H1 (Feature 10 & 9); D/I 1 (3)

THE GRAVE CHAMBER

Orientation of grave chamber : 60° — NE (L-shaped)

Capstones : None I. (from East) L. x W. x thick cm
II. cm III. cm IV. cm

Length : cm (N) **Height** (overall from bed rock) : 66 cm
cm (S) Chamber walls : 63 cm
126 cm (middle) Projecting part : cm

Width : 86 cm (base) Projection from base : (N) cm (S) cm
cm (top)

Masonry : Northern wall. 4 courses, regular.
Southern wall. 4 courses, regular.
Western wall. Built between long walls, irregular.
Interspaces contain nothing

Stone size (Length is parallel to grave chamber)
Long walls of chamber Projecting upper part
(Long x thick) cm (L. x W. x thick) cm
23 x 17
15 x 10

Re-use of existing R.W. (ringwall) for chamber : R.W. on East.
Surface of B.R. (bed rock) : Original

THE ALCOVE

Location : North wall **Re-use** of existing R.W. face : on North

Capstone : None L. x W. x thick cm

Width (of mouth); 43 cm **Length** : 62 cm **Height** (from B.R.) : 61 cm

Remarks :

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : Sand, 50 cm.

Layer (2) : Loose earth and bits of stone, 11 cm.

Floor level above B.R. : Earth and gravel, 5 cm.

CONTENTS OF GRAVE

Skeletal remains :

Stones :

Metals :

Shells : Six (SR 276).

Bitumen-lined materials :

Other :

Ceramics : A miniature vase of pale red ware at NW corner of alcove (opening).

THE RINGWALL

Length (external, upper part) : 430 cm **Width** : 20 48 cm

Max. Height : 50 cm of 3 courses. Interspaces contain nothing.

Stone size (wall face) in cm		(top of wall)
Long x thick	Long x thick	L. 54 x W. 51 x thick 37 cm
37 x 43	20 x 22	L. 35 x W. 60 x thick 22 cm
23 x 12		

Filling between R.W. and grave : Uniform deposit of earth, gravel and small stones.

Remarks :

BURIAL — 91

Square D/E2 (Feature 5); D/E3 (4 & 3)

THE GRAVE CHAMBER

Orientation of grave chamber : 52° — NE

Capstones : One I. (from East) L. 70 x W. 42 x thick 20 cm
II. cm III. cm IV. cm

Length : 146 cm (N) **Height** (overall from bed rock) : 96 cm
153 cm (S) Chamber walls : 70 cm
cm (middle) Projecting part : cm

Width : 77 81 cm (base) Projection from base : (N) 6 cm (S) 11 cm
59 cm (top)

Masonry : Northern wall. 4 - 5 courses, irregular.
Southern wall. 2 3 courses, irregular.
Western wall. Built beside Ringwall, irregular. Broken.
Interspaces contain small stones.

Stone size (Length is parallel to grave chamber)
Long walls of chamber Projecting upper part
(Long x thick) cm (L. x W. x thick) cm
34 x 18 30 x 10 33 x 54 x 22
15 x 10 36 x 36 38 x 39 x 10

Re-use of existing R.W. (ringwall) for chamber : R.W. on East.
Surface of B.R. (bed rock) : Secondary.

THE ALCOVE

Location : South wall **Re-use** of existing R.W. face : on South

Capstone : L. 82 x W. 43 x thick 28 cm

Width (of mouth); 36 cm **Length** : 40(W), 46 (E) cm **Height** (from B.R.) : 65 cm.

Remarks :

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : Sand, 33 cm.

Layer (2) : Earth and few stones, 40 cm.

Floor level above B.R. : Earth and sandy soil, 13 cm.

CONTENTS OF GRAVE

Skeletal remains :

Stones : Steatite bowl with dot-in-double circle design (SR 121).
'Dilmun' seal used as pendant (SR 205).

Metals : Bronze spearhead (SR 118).

Shells : Six (SR 244). Couch shell (bead ?) (SR 115).

Bitumen-lined materials :

Other :

Ceramics : Red 'Barbar' Ware (SR 102).

THE RINGWALL

Length (external, upper part) : 465 cm **Width** : 14 30 cm

Max. Height : 80 cm of 4 courses. Interspaces contain nothing.

Stone size (wall face) in cm		(top of wall)
Long x thick	Long x thick	L. 54 x W. 37 x thick 19 cm
27 x 12	39 x 14	
39 x 17		

Filling between R.W. and grave : Uniform deposit of earth, gravel and very few stones.

Remarks :

BURIAL — 92

Square D/D3 (Feature 12 & 11); D/E3 (1 & 2)

THE GRAVE CHAMBER

Orientation of grave chamber : 60° — NE

Capstones : None I. (from East) L. x W. x thick cm
II. cm III. cm IV. cm

Length : 124 cm (N) **Height** (overall from bed rock) : 81 cm
121 cm (S) Chamber walls : 51 68 cm (S) 70
cm (middle) Projecting part : 30 cm

Width : 74 cm (base) Projection from base : (N) 18 cm (S) 8 cm
40 cm (top)

Masonry : Northern wall. 2 courses, regular. Very large stones.
Southern wall. 2 3 courses, regular.
Western wall. Built between long walls, irregular.
Broken, 40 cm high.
Interspaces contain nothing

Stone size (Length is parallel to grave chamber)

Long walls of chamber	Projecting upper part
(Long x thick) cm	(L. x W. x thick) cm
50 x 37	29 x 42 x 8
41 x 31	27 x 37 x 14
30 x 21	

Re-use of existing R.W. (ringwall) for chamber : R.W. on East.
Surface of B.R. (bed rock) : Secondary.

THE ALCOVE

Location : South wall **Re-use** of existing R.W. face : on South

Capstone : L. 67 x W. 52 x thick 32 cm

Width (of mouth); 36 cm **Length** : 28(E), 34 (W) cm **Height** (from B.R.) : 60 cm.

Remarks :

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : Sand, 74 cm.

Layer (2) : Loose brown earth mixed with sand and few stones, 7 cm.

Floor level above B.R. : Not recognisable except by the presence of a few objects.

CONTENTS OF GRAVE

Skeletal remains : Few.

Stones :

Metals : Bronze pieces (SR 117) Finger ring (SR 116).

Shells : Twenty-five (SR 275).

Bitumen-lined materials :

Other :

Ceramics : Red 'Barbar' Ware.

THE RINGWALL

Length (external, upper part) : 460 cm **Width :** 21 - 50 cm

Max. Height : 80 cm of 5 courses. Interspaces contain nothing.

Stone size (wall face) in cm			(top of wall)	
Long x thick	Long x thick		L. 36 x W. 49 x thick 16 cm	
44 x 13	26 x 20	51 x 38	L. 38 x W. 48 x thick 30 cm	
32 x 30	51 x 11		L. 42 x W. 35 x thick 40 cm	

Filling between R.W. and grave : Uniform deposit of gravel small stones mixed with earth.

Remarks :

BURIAL — 93

Square D/D3 (Feature 10 & 9)

THE GRAVE CHAMBER

Orientation of grave chamber : 54° — NE

Capstones : None I. (from East) L. x W. x thick cm
II. cm III. cm IV. cm

Length : cm (N) **Height** (overall from bed rock) : 85 cm
cm (S) Chamber walls : 61 cm (S) 59
143 cm (middle) Projecting part : 25 cm (S) 33

Width : 84 cm (base) Projection from base : (N) 11 cm (S) 32 cm
46 cm (top)

Masonry : Northern wall. 3 4 courses, regular.
Southern wall. 4 courses, regular.
Western wall. Built beside Ringwall, irregular.
Interspaces contain nothing.

Stone size (Length is parallel to grave chamber)
Long walls of chamber Projecting upper part
(Long x thick) cm (L. x W. x thick) cm
43 x 26 34 x 34 x 8
35 x 21 37 x 51 x 22

Re-use of existing R.W. (ringwall) for chamber : R.W. on East.
Surface of B.R. (bed rock) : Secondary.

THE ALCOVE (Triangular and corbelled)

Location : North wall **Re-use** of existing R.W. face : None

Capstone : L. x W. x thick cm

Width (of mouth); 50 cm **Length** : 66 cm **Height** (from B.R.) : 64 cm.

Remarks :

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : Sand, 60 cm.

Layer (2) : Loose earth and few stones, 10 cm.

Floor level above B.R. : Hard earth, 15 cm.

CONTENTS OF GRAVE

Skeletal remains :

Stones : Seven beads (SR 70, 71, 72, 77, 78, 79 & 80)

Metals :

Shells :

Bitumen-lined materials :

Other :

Ceramics : Red 'Barbar' pottery.

THE RINGWALL

Length (external, upper part) : 386 cm **Width** : 39 43 cm

Max. Height : 90 cm of 5 courses. Interspaces contain nothing.

Stone size (wall face) in cm		(top of wall)
Long x thick	Long x thick	L. 56 x W. 43 x thick 26 cm
46 x 50	49 x 23	
27 x 18		

Filling between R.W. and grave : Uniform deposit of gravel and earth with few stones.

Remarks :

BURIAL — 94

Square D/D3 (Feature 7 & 6)

THE GRAVE CHAMBER

Orientation of grave chamber : 54° — NE (L-shaped).

Capstones : One I. (from East) L. x W. x thick cm
II. 57 x 50 x 18 cm III. cm IV. cm

Length : 140 cm (N) **Height** (overall from bed rock) : 86 cm
157 cm (S) Chamber walls : 57 cm (S) 60
cm (middle) Projecting part : 20 cm (S) 25

Width : 74 cm (base) Projection from base : (N) 12 cm (S) cm
60 cm (top)

Masonry : Northern wall. 3 4 courses, irregular.
Southern wall. 4 courses, regular.
Western wall. All broken
Interspaces contain nothing.

Stone size (Length is parallel to grave chamber)

Long walls of chamber (Long x thick) cm	Projecting upper part (L. x W. x thick) cm
24 x 15	49 x 46 x 21
34 x 19	48 x 44 x 18
47 x 21	50 x 41 x 12

Re-use of existing R.W. (ringwall) for chamber : R.W. on East.
Surface of B.R. (bed rock) : Secondary.

THE ALCOVE

Location : South wall **Re-use** of existing R.W. face : on South

Capstone : Not Known L. x W. x thick cm

Width (of mouth); 46 cm **Length** : 34 cm **Height** (from B.R.) : 64 cm.

Remarks :

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : Sand, 65 cm.
Layer (2) : Earth and stones, 15 cm.
Floor level above B.R. : 5 cm sandy soil.

CONTENTS OF GRAVE

Skeletal remains :

Stones : Steatite 'Dilmun' Seal (SR 204).

Metals :

Shells :

Bitumen-lined materials :

Other :

Ceramics :

THE RINGWALL

Length (external, upper part) : 435 cm **Width** : 21 44 cm

Max. Height : 94 cm of 7 courses. Interspaces contain nothing.

Stone size (wall face) in cm		(top of wall)	
Long x thick	Long x thick	L. x W. x thick	L. x W. x thick
		L. 42 x W. 39 x thick 13 cm	
		L. 36 x W. 36 x thick 15 cm	
		L. 22 x W. 31 x thick 12 cm	
		L. 47 x W. 31 x thick 29 cm	

Filling between R.W. and grave : Uniform deposit of earth, stones and gravel.

Remarks :

BURIAL — 95

Square D/C3 (Feature 8); D/D3 (5 & 15); D/C4 (18)

THE GRAVE CHAMBER

Orientation of grave chamber : 60° — NE

Capstones : One I. (from East) L. 86 x W. 75 x thick 21 cm
II. cm III. cm IV. cm

Length : 111 cm (N) **Height** (overall from bed rock) : 97 cm
125 cm (S) Chamber walls : 66 84 cm (S) 85
cm (middle) Projecting part : 31 cm (S) 40

Width : 80 cm (base) Projection from base : (N) 25 cm (S) 18 cm
35 cm (top)

Masonry : Northern wall. 4 5 courses, irregular.
Southern wall. 4 courses, irregular.
Western wall. Built between long walls, irregular.
Interspaces contain nothing.

Stone size (Length is parallel to grave chamber)

Long walls of chamber (Long x thick) cm	Projecting upper part (L. x W. x thick) cm
28 x 21	43 x 46 x 16
35 x 16	34 x 49 x 13
31 x 26	32 x 56 x 32

Re-use of existing R.W. (ringwall) for chamber : R.W. on East.
Surface of B.R. (bed rock) : Secondary.

THE ALCOVE (Corbelled)

Location : North wall **Re-use** of existing R.W. face : None

Capstone : L. x W. x thick cm

Width (of mouth); 43 cm **Length** : 57 cm **Height** (from B.R.) : 79 cm.

Remarks :

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : Sand, 64 cm.

Layer (2) : Earth and stones, 21 cm.

Floor level above B.R. : Earth with sand, 12 cm.

CONTENTS OF GRAVE

Skeletal remains :

Stones :

Metals :

Shells :

Bitumen-lined materials :

Other :

Ceramics :

THE RINGWALL

Length (external, upper part) : 400 cm **Width** : 15 56 cm

Max. Height : 400 cm of 5 courses. Interspaces contain nothing.

Stone size (wall face) in cm		(top of wall)
Long x thick	Long x thick	L. 44 x W. 46 x thick 14 cm
52 x 32	44 x 25	
29 x 12	51 x 35	

Filling between R.W. and grave :

Remarks : Large sized stones are used at base of R.W.

BURIAL — 96

Square D/C4 (Feature 10 & 9)

THE GRAVE CHAMBER

Orientation of grave chamber : 52° — NE

Capstones : One I. (from East) L. x W. x thick cm
II. 92 x 45 x 13 cm III. cm IV. cm

Length : 180 cm (N) **Height** (overall from bed rock) : 94 cm
166 cm (S) Chamber walls : 59 cm (S) 62
cm (middle) Projecting part : 37 cm (S) 33

Width : 79 cm (base) Projection from base : (N) 11 cm (S) 19 cm
47 cm (top)

Masonry : Northern wall. 3 4 courses, irregular.
Southern wall. 5 courses, irregular.
Western wall. Built beside Ringwall, irregular.
Interspaces contain nothing.

Stone size (Length is parallel to grave chamber)
Long walls of chamber Projecting upper part
(Long x thick) cm (L. x W. x thick) cm
29 x 13 45 x 26 27 x 44 x 10
40 x 21 35 x 10 41 x 26 x 10
29 x 24 30 x 23 20 x 56 x 30

Re-use of existing R.W. (ringwall) for chamber : 2 R.W.s on East.
Surface of B.R. (bed rock) : Secondary.

THE ALCOVE

Location : South wall **Re-use** of existing R.W. face : on South

Capstone : L. 83 x W. 41 x thick 34 cm

Width (of mouth); 32 cm **Length** : 43 cm **Height** (from B.R.) : 55 cm.

Remarks :

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : Sand, 70 cm.

Layer (2) : Earth and a few stones, 20 cm.

Floor level above B.R. : Earth, 4 cm.

CONTENTS OF GRAVE

Skeletal remains :

Stones : Fragment of steatite bowl (SR 294).

Metals :

Shells :

Bitumen-lined materials :

Other :

Ceramics : Potsherds consisting of red 'Barbar' Ware and other red wares.

THE RINGWALL

Length (external, upper part) : 440 cm **Width** : 19 32 cm

Max. Height : 114 cm of 9 courses. Interspaces contain small stones.

Stone size (wall face) in cm		(top of wall)	
Long x thick	Long x thick	L. x W.	x thick cm
28 x 14	22 x 11		
22 x 14	38 x 22		
	47 x 21		

Filling between R.W. and grave : Uniform deposit of gravel and small stones mixed with earth.

Remarks : Upper courses of R.W. consist of small stones.

BURIAL — 97

Square D/C4 (Feature 3 & 4)

THE GRAVE CHAMBER

Orientation of grave chamber : 48° — NE

Capstones : None I. (from East) L. x W. x thick cm
II. cm III. cm IV. cm

Length : 160 cm (N) **Height** (overall from bed rock) : 92 cm
142 cm (S) Chamber walls : 72 cm (S) 68
cm (middle) Projecting part : 23 cm (S) 33

Width : 77 cm (base) Projection from base : (N) 20 cm (S) 11 cm
40 cm (top)

Masonry : Northern wall. 4 5 courses, irregular.
Southern wall. 5 courses, irregular.
Western wall. Built between long walls, completely collapsed.
Interspaces contain nothing.

Stone size (Length is parallel to grave chamber)
Long walls of chamber Projecting upper part
(Long x thick) cm (L. x W. x thick) cm
43 x 23 29 x 33 x 10
52 x 27 36 x 45 x 16
47 x 13 40 x 55 x 16

Re-use of existing R.W. (ringwall) for chamber : R.W. on East.
Surface of B.R. (bed rock) : Original.

THE ALCOVE

Location : South wall **Re-use** of existing R.W. face : on South

Capstone : L. 73 x W. 58 x thick 30 cm

Width (of mouth); 35 cm **Length** : 32 cm **Height** (from B.R.) : 54 cm.

Remarks :

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : Sand with water laid streaks of clay, 70 cm.
Layer (2) : 22 cm thick earth with stones.
Floor level above B.R. : Not recognizable.

CONTENTS OF GRAVE

Skeletal remains :

Stones :

Metals :

Shells : Fourteen (SR 242).

Bitumen-lined materials :

Other :

Ceramics : Red 'Barbar' Ware.

THE RINGWALL

Length (external, upper part) : 427 cm **Width** : 23 - 46 cm

Max. Height : 88 cm of 5 courses. Interspaces contain small stones.

Stone size (wall face) in cm		(top of wall)
Long x thick	Long x thick	L. 53 x W. 36 x thick 23 cm
21 x 11	30 x 20	
22 x 14		

Filling between R.W. and grave : Uniform deposit of earth, gravel and a very few small stones.

Remarks :

BURIAL — 98

Square D/B4 (Feature 9 & 10); D/C4 (13 & 16)

THE GRAVE CHAMBER

Orientation of grave chamber : 58° — NE

Capstones : None I. (from East) L. x W. x thick cm
II. cm III. cm IV. cm

Length : 135 cm (N) **Height** (overall from bed rock) : 100 cm
193 cm (S) Chamber walls : 81 cm
cm (middle) Projecting part : 35 cm

Width : 80 cm (base) Projection from base : (N) 10 cm (S) cm
40 cm (top)

Masonry : Northern wall. 4 courses, irregular.
Southern wall. 4 courses, irregular.
Western wall. Built between long walls, irregular. Broken.
Interspaces contain a few small stones.

Stone size (Length is parallel to grave chamber)

Long walls of chamber (Long x thick) cm	Projecting upper part (L. x W. x thick) cm
40 x 20	24 x 41 x 16
42 x 31	33 x 38 x 12
40 x 9	23 x 31 x 15

Re-use of existing R.W. (ringwall) for chamber : Two ringwalls on East.
Surface of B.R. (bed rock) : Secondary.

THE ALCOVE

Location : No alcove **Re-use** of existing R.W. face :

Capstone : L. x W. x thick cm

Width (of mouth); cm **Length** : cm **Height** (from B.R.): cm

Remarks :

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : Sand, 58 cm.

Layer (2) : 29 cm thick earth mixed with fallen stones.

Floor level above B.R. : Hard earth with small stones, 13 cm.

CONTENTS OF GRAVE

Skeletal remains :

Stones :

Metals :

Shells :

Bitumen-lined materials :

Other :

Ceramics :

THE RINGWALL

Length (external, upper part) : 390 cm **Width** : 28 45 cm

Max. Height : 90 cm of 4 courses. Interspaces contain nothing.

Stone size (wall face) in cm		(top of wall)	
Long x thick	Long x thick	L. 24 x W. 27 x thick 15 cm	
22 x 11	38 x 12	L. 26 x W. 27 x thick 9 cm	
43 x 24			

Filling between R.W. and grave : Small stones, gravel and earth. Uniform deposit.

Remarks :

BURIAL — 99

Square D/B4 (Feature 8); D/B5 (16)

THE GRAVE CHAMBER

Orientation of grave chamber : 64° — E NE

Capstones : One I. (from East) L. 76 x W. 60 x thick 13 cm
II. cm III. cm IV. cm

Length : cm (N) **Height** (overall from bed rock) : 98 cm
cm (S) Chamber walls : 61 cm (S) 84 76
144 cm (middle) Projecting part : 40 cm

Width : 90 cm (base) Projection from base : (N) 44 cm (S) 18 cm
40 cm (top)

Masonry : Northern wall. 5 courses, regular.
Southern wall. 5 courses, regular.
Western wall. Built beside Ringwall, very irregular.
Interspaces contain nothing.

Stone size (Length is parallel to grave chamber)

Long walls of chamber	Projecting upper part
(Long x thick) cm	(L. x W. x thick) cm
43 x 28	33 x 38 x 10
32 x 10	39 x 53 x 12
28 x 10	41 x 61 x 23

Re-use of existing R.W. (ringwall) for chamber : 2 R.W.s on E. & N.
Surface of B.R. (bed rock) : Secondary.

THE ALCOVE

Location : North wall **Re-use** of existing R.W. face : None

Capstone : L. 91 x W. 68 x thick 24 cm

Width (of mouth); 40 cm **Length** : 34 cm **Height** (from B.R.) : 65 cm.

Remarks :

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : Sand, 74 cm.

Layer (2) : Earth and few small stones, 20 - 24 cm.

Floor level above B.R. : Sandy loose earth, not differentiated, up to 4 cm thick.

CONTENTS OF GRAVE

Skeletal remains :

Stones :

Metals :

Shells :

Bitumen-lined materials :

Other :

Ceramics : Ridged ware, pale red and buff slipped.

THE RINGWALL

Length (external, upper part) : 340 cm **Width** : 14 31 cm

Max. Height : 123 cm of 8 courses. Interspaces contain a few small stones.

Stone size (wall face) in cm		(top of wall)		
Long x thick	Long x thick	L.	x W.	x thick cm
24 x 12	13 x 5			
34 x 10	15 x 14			
53 x 19	33 x 24			

Filling between R.W. and grave : Uniform deposit of earth, mixed with gravel and small stones.

Remarks :

BURIAL — 100

Square D/B5 (Feature 1 & 2)

THE GRAVE CHAMBER

Orientation of grave chamber : 50° — NE

Capstones : Three I. (from East) L. 102 x W. 66 x thick 20 cm
II. 72 x 60 x 13 cm III. 74 x 46 x 20 cm IV. cm.

Length : 178 cm (N) **Height** (overall from bed rock) : 89 cm
156 cm (S) Chamber walls : 72 66 cm (S) 74 63
cm (middle) Projecting part : 36 cm (S) 19

Width : 83 cm (base) Projection from base : (N) 26 cm (S) 15 cm
47 cm (top)

Masonry : Northern wall. 3 4 courses, irregular.
Southern wall. 4 5 courses, regular.
Western wall. Built between long walls, irregular. Broken, 37 cm high.
Interspaces contain nothing.

Stone size (Length is parallel to grave chamber)

Long walls of chamber (Long x thick) cm		Projecting upper part (L. x W. x thick) cm
40 x 31	42 x 40	24 x 66 x 15
25 x 11	30 x 27	37 x 60 x 41
40 x 45		27 x 53 x 17

Re-use of existing R.W. (ringwall) for chamber : R.W. on East.
Surface of B.R. (bed rock) : Secondary.

THE ALCOVE

Location : South wall **Re-use** of existing R.W. face : on South

Capstone : L. 61 x W. 57 x thick 13 cm

Width (of mouth); 53 cm **Length** : 59* cm **Height** (from B.R.) : 59 cm.

Remarks : * Length of alcove on East is 49 cm.

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : 40 cm thick deposit of sand.

Layer (2) : 32 cm thick earth mixed with small stones.

Floor level above B.R. : 17 cm thick earth floor.

CONTENTS OF GRAVE

Skeletal remains : Present.

Stones : Antimony stone (SR 44) found with shells (SR 29).

Metals :

Shells : Pair (SR 29). Couch pendant (?) (SR 41). Twenty-three shells (SR 240).

Bitumen-lined materials :

Other :

Ceramics : Small vase of pale red ware (SR 28). Another vase of small size of dull red ware. (Each near the mouth of alcove but inside with shells (SR 240).)

THE RINGWALL

Length (external, upper part) : 515 cm **Width** : 30 - 36 cm

Max. Height : 100 cm of 5 courses. Interspaces contain nothing.

Stone size (wall face) in cm		(top of wall)	
Long x thick	Long x thick	L.	W. x thick cm
31 x 28	47 x 29		
30 x 17	34 x 25		

Filling between R.W. and grave : Uniform deposit of earth, gravel and small stones.

Remarks :

BURIAL — 101

Square D/A5 (Feature 9 & 8); D/B5 (3 & 4)

THE GRAVE CHAMBER

Orientation of grave chamber : 50° — NE

Capstones : Three I. (from East) L. 100 x W. 46 x thick 17 cm
II. 89 x 50 x 15 28 cm III. 93 x 44 x 25 cm IV. cm

Length : 154 cm (N) **Height** (overall from bed rock) : 95 cm
164 cm (S) Chamber walls : 68 cm (S) 73
cm (middle) Projecting part : 25 cm

Width : 77 cm (base) Projection from base : (N) 22 cm (S) 15 cm
43 cm (top)

Masonry : Northern wall. 2 3 courses, regular.
Southern wall. 4 courses, irregular.
Western wall. Built beside Ringwall, irregular.
Interspaces contain a few small stones.

Stone size (Length is parallel to grave chamber)

Long walls of chamber (Long x thick) cm		Projecting upper part (L. x W. x thick) cm
52 x 34	28 x 14	12 x 37 x 6
31 x 16	37 x 7	21 x 52 x 19
28 x 17		24 x 51 x 16

Re-use of existing R.W. (ringwall) for chamber : R.W. on East.
Surface of B.R. (bed rock) : Original.

THE ALCOVE

Location : North wall **Re-use** of existing R.W. face : None

Capstone : L. 87 x W. 63 x thick 11 cm

Width (of mouth); 42 cm **Length** : 47 cm **Height** (from B.R.) : 76 cm.

Remarks : Large stones are used at the base of N. wall

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : Sand, 60 cm.

Layer (2) : 23 27 cm earth and few stones.

Floor level above B.R. : 8 12 cm earth.

CONTENTS OF GRAVE

Skeletal remains :

Stones :

Metals :

Shells :

Bitumen-lined materials :

Other :

Ceramics :

THE RINGWALL

Length (external, upper part) : 405 cm **Width** : 19 49 cm

Max. Height : 120 cm of 3 courses. Interspaces contain small stones.

Stone size (wall face) in cm		(top of wall)	
Long x thick		Long x thick	L. 25 x W. 38 x thick 18 cm
38 x 30	42 x 17	18 x 9	L. 23 x W. 25 x thick 11 cm
22 x 19	23 x 15		
29 x 23	37 x 20		

Filling between R.W. and grave : Uniform deposit of earth mixed with small stones and gravel.

Remarks :

BURIAL — 102

Square D/A5 (Feature 6 & 5)

THE GRAVE CHAMBER

Orientation of grave chamber : 40° — NE

Capstones : Three I. (from East) L. 73 x W. 66 x thick 23 cm
II. 63 x 40 x 20 cm III. missing cm IV. 90 x 60 x 21 cm

Length : 172 cm (N) **Height** (overall from bed rock) : 98 cm
151 cm (S) Chamber walls : 69 cm (S) 70
cm (middle) Projecting part : 33 cm

Width : 85 cm (base) Projection from base : (N) 13 cm (S) 9 cm
55 cm (top)

Masonry : Northern wall. 3 courses, regular.
Southern wall. 4 courses, irregular.
Western wall. Built beside Ringwall, irregular.
NW Corner broken.
Interspaces contain small stones in Southern wall.

Stone size (Length is parallel to grave chamber)

Long walls of chamber (Long x thick) cm		Projecting upper part (L. x W. x thick) cm
29 x 28	37 x 14	29 x 43 x 8
39 x 21	34 x 18	31 x 42 x 11 16
56 x 14	47 x 25	33 x 58 x 24
34 x 17	31 x 13	36 x 57 x 31

Re-use of existing R.W. (ringwall) for chamber : R.W. on East.
Surface of B.R. (bed rock) : Original.

THE ALCOVE

Location : North wall **Re-use** of existing R.W. face : None

Capstone : L. 61 x W. 41 x thick 30 cm

Width (of mouth); 33 cm **Length** : 40 cm **Height** (from B.R.) : 62 cm.

Remarks :

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : Sand, 60 cm.
Layer (2) : Earth and few stones, 16 cm.
Floor level above B.R. : Loose earth mixed with gravel, 22 cm.

CONTENTS OF GRAVE

Skeletal remains : Almost complete skeleton in fair condition.

Stones : Bead (SR 5)

Metals : Bronze pieces (SR 6).

Shells :

Bitumen-lined materials :

Other :

Ceramics :

THE RINGWALL

Length (external, upper part) : 435 cm **Width** : 22 32 cm

Max. Height : 110 cm of 5 courses. Interspaces contain nothing.

Stone size (wall face) in cm		(top of wall)	
Long x thick	Long x thick	L. x W.	x thick cm
23 x 14	30 x 15	26 x 30	
32 x 16	22 x 17	17 x 13	
		16 x 9	

Filling between R.W. and grave : Uniform deposit of earth, gravel and few small stones.

Remarks :

BURIAL — 105

Square D/A5 (Feature 7); D/B5 (5 & 6); D/A6 (14); D/B6 (12)

THE GRAVE CHAMBER

Orientation of grave chamber : 60° — NE

Capstones : Three* I. (from East) L. 100 x W. 67 x thick 22 cm
II. 83 x 40 x 18 cm III. 106 x 73 x 22 cm IV. cm

Length : 161 cm (N) **Height** (overall from bed rock) : 90 cm
142 cm (S) Chamber walls : 72 cm
cm (middle) Projecting part : 18 cm

Width : 82cm (base) Projection from base : (N) 18 cm (S) 16 cm
50 cm (top)

Masonry : Northern wall. 3 courses, regular.
Southern wall. 5 courses, regular.
Western wall. Built between long walls, irregular.
Interspaces contain small stones in N. wall only.

Stone size (Length is parallel to grave chamber)

Long walls of chamber (Long x thick) cm	Projecting upper part (L. x W. x thick) cm
48 x 10 42 x 25	40 x 59 x 8
50 x 30 44 x 23	23 x 64 x 18
41 x 14	23 x 51 x 20

Re-use of existing R.W. (ringwall) for chamber : Two ringwalls on East.
Surface of B.R. (bed rock) : Secondary.

THE ALCOVE**

Location : South wall **Re-use** of existing R.W. face : None

Capstone : L. 58 x W. 27 x thick 20 cm

Width (of mouth) : 42 cm **Length** : 46 cm **Height** (from B.R.) : 53 cm

Remarks : * Small stones infilled gaps between the capstones.
** Upper part corbelled; oblong at back.

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : Sand, 70 cm.

Layer (2) : Earth, 13 cm.

Floor level above B.R. : Sandy soil, 7 cm.

CONTENTS OF GRAVE

Skeletal remains : Skull

Stones :

Metals :

Shells : Seal (SR 215). Twenty-three (SR 235).

Bitumen-lined materials :

Other :

Ceramics : Red 'Barbar' pot (SR 46), from the alcove.

THE RINGWALL

Length (external, upper part) : 591 cm **Width :** 20 37 cm

Max. Height : 76 cm of 7 courses. Interspaces contain nothing.

Stone size (wall face) in cm		(top of wall)	
Long x thick		L. x W.	x thick cm
24 x 7	19 x 14		26 x 8
25 x 19	22 x 21		35 x 12

Filling between R.W. and grave : Uniform deposit of earth mixed with gravel and few small stones.

Remarks :

BURIAL — 106

Square D/A6 (Feature 7 & 13)

THE GRAVE CHAMBER

Orientation of grave chamber : 62° — E NE

Capstones : Three I. (from East)* L. X W. x thick cm
II. 102 x 34 x 11 cm III. 102 x 72 x 11 cm IV. cm

Length : 155 cm (N) **Height** (overall from bed rock) : 105 cm
160 cm (S) Chamber walls : 82 cm (S) 78
cm (middle) Projecting part : 21 cm (S) 8

Width : 78(E) cm (base) Projection from base : (N) 22 cm (S) 8 cm
100(W) 60 cm (top)

Masonry : Northern wall. courses, irregular. Both are ringwalls
Southern wall. courses, irregular. re-used by this Burial
Western wall. Built beside Ringwall, irregular.
Interspaces contain nothing

Stone size (Length is parallel to grave chamber)

Long walls of chamber	Projecting upper part
(Long x thick) cm	(L. x W. thick) cm
See ringwalls of	23 x 62 x 11
Burials 105 and 107	21 x 60 x 10
	40 x 49 x 12
	(S) 40 x 60 x 18

Re-use of existing R.W. (ringwall) for chamber : Three Ringwalls, one each on
East, North and South.

Surface of B.R. (bed rock) : Original

THE ALCOVE

Location : No alcove. **Re-use** of existing R.W. face :

Capstone : L. x W. x thick cm

Width (of mouth); cm **Length** : cm **Height** (from B.R.) : cm

Remarks : * Fallen into the grave vertically and broken.

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : Sand, 60 cm.

Layer (2) : Earth and stones, 36 cm.

Floor level above B.R. : Sandy soil with gravel, 9 cm.

CONTENTS OF GRAVE

Skeletal remains :

Stones :

Metals :

Shells :

Bitumen-lined materials :

Other :

Ceramics : Red 'Barbar' Ware (SR 17).
Ridged Ware, cream slipped.

THE RINGWALL

Length (external, upper part) : 441 cm **Width** : 88 55 cm

Max. Height : 90 cm of 7 courses. Interspaces contain nothing.

Stone size (wall face) in cm		(top of wall)
Long x thick	Long x thick	L. 51 x W. 66 x thick 18 cm
22 x 11	23 x 24	L. 53 x W. 36 x thick 22 cm
39 x 24		

Filling between R.W. and grave : Loose sandy soil mixed with small stones. Uniform.

Remarks :

BURIAL — 107

Square D/A6 (Feature 9 & 10)

THE GRAVE CHAMBER

Orientation of grave chamber : 54° — NE

Capstones : None I. (from East). L. x W. x thick cm
II. cm III. cm IV. cm.

Length : 153 cm (N) **Height** (overall from bed rock) : 111 cm
166 cm (S) Chamber walls : 81 cm (S) 78
cm (middle) Projecting part : 23 cm (S) 32

Width : 87 cm (base) Projection from base : (N) 20 cm (S) 19 cm
48 cm (top)

Masonry : Northern wall. 5 6 courses, irregular.
Southern wall. 3 courses, irregular, and regular.
Western wall. Built between long walls, very irregular.
Interspaces contain nothing.

Stone size (Length is parallel to grave chamber)

Long walls of chamber (Long x thick) cm	Projecting upper part (L. x W. thick) cm
36 x 17	29 x 55 x 12
51 x 28	38 x 43 x 7
53 x 24	40 x 62 x 17

Re-use of existing R.W. (ringwall) for chamber : R.W. on East.
Surface of B.R. (bed rock) : Secondary.

THE ALCOVE

Location : South wall **Re-use** of existing R.W. face : None

Capstone : L. 38 x W. 43 x thick 17 cm

Width (of mouth); 51 cm **Length** : 41 cm **Height** (from B.R.) : 72 cm

Remarks :

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : 65 cm thick sand.

Layer (2) : 30 cm thick loose earth.

Floor level above B.R. : 16 cm thick hard earth.

CONTENTS OF GRAVE

Skeletal remains :

Stones : Bead (SR 14)

Metals : Bronze ring (SR 2)

Shells : Shell with perforation (SR 1)

Bitumen-lined materials :

Other :

Ceramics :

THE RINGWALL

Length (external, upper part) : 385 cm **Width** : 30 54 cm

Max. Height : 121 cm of 6 courses. Interspaces contain small stones.

Stone size (wall face) in cm		(top of wall)		
Long x thick	Long x thick	L.	x W.	x thick cm
96 x 21	35 x 16			
24 x 21				

Filling between R.W. and grave : Uniform deposit of earth, gravel and small stones.

Remarks :

BURIAL — 108

Square D/B5 (Feature 7 & 8)

THE GRAVE CHAMBER

Orientation of grave chamber : 60° — NE

Capstones : Two I. (from East) L. 77 x W. 52 x thick 18 cm
II. Missing cm III. 84 x 48 x 12 cm IV. cm

Length : cm (N) **Height** (overall from bed rock) : 102 cm
cm (S) Chamber walls : 73 cm (S) 78
149 cm (middle) Projecting part : 29 cm (S) 27

Width : 88 cm (base) Projection from base : (N) 16 cm (S) 15 cm
52 cm (top)

Masonry : Northern wall 5 courses, irregular, except lower two.
Southern wall. 5 courses, irregular.
Western wall. Built beside Ringwall, irregular.
Interspaces contain a few small stones in upper courses.

Stone size (Length is parallel to grave chamber)

Long walls of chamber (Long x thick) cm	Projecting upper part (L. x W. x thick) cm
25 x 20	28 x 49 x 16
39 x 28	21 x 43 x 12
31 x 12	45 x 43 x 13
30 x 14	23 x 56 x 20

Re-use of existing R.W. (ringwall) for chamber : 2 R.W. on East
Surface of B.R. (bed rock) : Secondary.

THE ALCOVE

Location : North wall **Re-use** of existing R.W. face : on North.

Capstone : L. 64 x W. 24 x thick 20 cm

Width (of mouth); 30 cm **Length** : 46* cm **Height** (from B.R.) : 55 cm

Remarks : * On Western side, it measures 40 cm.

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : Sand, 64 cm.

Layer (2) : Earth and small stones and streaks of sand, 24 cm.

Floor level above B.R. : 14 cm thick earth.

CONTENTS OF GRAVE

Skeletal remains :

Stones :

Metals :

Shells :

Bitumen-lined materials :

Other :

Ceramics : Red 'Barbar' Ware. Buff ware.

THE RINGWALL

Length (external, upper part) : 446 cm **Width** : 30 cm

Max. Height : 108 cm of 5 courses. Interspaces contain small stones.

Stone size (wall face) in cm		(top of wall)
Long x thick	Long x thick	L. 52 x W. 32 x thick 41 cm
40 x 21		L. 41 x W. 27 x thick 30 cm
44 x 21		L. 40 x W. 30 x thick 13 cm
32 x 11		

Filling between R.W. and grave : Uniform deposit of earth mixed with gravel and small stones.

Remarks :

BURIAL — 109

Square D/B5 (Feature 14 & 15)

THE GRAVE CHAMBER

Orientation of grave chamber : 50° — NE

Capstones : Two I. (from East) L. 95 x W. 80 x thick 26 cm
II. Missing cm III. 100 x 60 x 18 cm IV. cm

Length : 156 cm (N) **Height** (overall from bed rock) : 86 cm
195 cm (S) * Chamber walls : 65 cm (S) 71
cm (middle) Projecting part : cm (S) 11

Width : 91 cm (base) Projection from base : (N) cm (S) 9 cm
cm (top)

Masonry : Northern wall. 5 - 6 courses, irregular.
Southern wall. 6 courses, regular.
Western wall. Built beside Ringwall, irregular. Broken.
Interspaces contain small stones.

Stone size (Length is parallel to grave chamber)
Long walls of chamber Projecting upper part
(Long x thick) cm (L. x W. x thick) cm
27 x 8 41 x 18
18 x 11 15 x 9 (S) 24 x 43 x 15
31 x 20

Re-use of existing R.W. (ringwall) for chamber : 2 R.W. on East
Surface of B.R. (bed rock) : Secondary.

THE ALCOVE

Location : North wall **Re-use** of existing R.W. face : on North

Capstone : L. 53 x W. 38 x thick 16 cm

Width (of mouth); 32 cm **Length** : 53 cm **Height** (from B.R.) : 38 cm

Remarks : * Chamber walls are severely damaged.

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : Sand, 63 cm

Layer (2) : Earth and stones, 20 cm

Floor level above B.R. : Hard earth 6 cm

CONTENTS OF GRAVE

Skeletal remains : Few pieces

Stones :

Metals :

Shells :

Bitumen-lined materials :

Other :

Ceramics : Red 'Barbar' Ware. Buff ware. Red, buff slipped.

THE RINGWALL

Length (external, upper part) : 515 cm **Width** : 21 40 cm

Max. Height : 110 cm of 3 courses. Interspaces contain small stones.

Stone size (wall face) in cm		(top of wall)	
Long x thick	Long x thick	L. x W.	x thick cm
20 x 14	15 x 6		
36 x 13	15 x 7		

Filling between R.W. and grave : Uniform deposit of earth, gravel and small stones.

Remarks :

BURIAL — 110

Square D/D4 (Feature 1 & 11);

THE GRAVE CHAMBER

Orientation of grave chamber : 335° — N NW

Capstones : Two I. (from North) L. 79 x W. 50 x thick 21 cm
II. 66 x 43 x 15 cm III. cm IV. cm

Length : 140 cm (W) **Height** (overall from bed rock) : 89 cm
137 cm (E) Chamber walls (W) : 60 cm (E) 64
cm (middle) Projecting part (W) : 16 cm (E) 20

Width : 70 cm (base) Projection from base : (W) 8 cm (E) 6 cm
55 cm (top)

Masonry : Western wall. 4 courses, regular.
Southern wall. Built with West wall, beside Ringwall, irregular.
Interspaces contain small stones.

Stone size (Length is parallel to grave chamber)

Long walls of chamber	Projecting upper part
(Long x thick) cm	(L. x W. x thick) cm
(West wall) 58 x 27	34 x 56 x 11
41 x 23	26 x 37 x 8
32 x 16	
18 x 10	

Re-use of existing R.W. (ringwall) for chamber : Two ringwalls on east and north.
Surface of B.R. (bed rock) : Secondary.

THE ALCOVE

Location : No alcove. **Re-use** of existing R.W. face :

Capstone : L. x W. x thick cm.

Width (of mouth); cm **Length** : **Height** (from B.R.) : cm.

Remarks :

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : 50 cm thick sand.

Layer (2) : 29 cm thick earth mixed with stones.

Floor level above B.R. : Hard earth mixed with gravel, 5 - 10 cm.

CONTENTS OF GRAVE

Skeletal remains :

Stones :

Metals :

Shells : Seventeen (SR 243).

Bitumen-lined materials : Fragments.

Other :

Ceramics :

THE RINGWALL

Length (external, upper part) : 331 cm **Width** : 21 36 cm

Max. Height : 80 cm of 7 courses. Interspaces contain small stones.

Stone size (wall face) in cm		(top of wall)
Long x thick	Long x thick	L. 50 x W. 35 x thick 31 cm
20 x 16	24 x 10	
20 x 10	11 x 9	

Filling between R.W. and grave : Uniform deposit of earth, gravel and few stones.

Remarks : Semi-dressed stones are used at the lower level of ringwall.

BURIAL — 111

Square D/F2 (Feature 6 & 7).

THE GRAVE CHAMBER

Orientation of grave chamber : 60° — NE

Capstones : None I. (from East) L. x W. x thick cm
II. cm III. cm IV. cm

Length : cm (N) **Height** (overall from bed rock) : 70 cm
cm (S) Chamber walls : 56 cm (S) 65
110 cm (middle) Projecting part : cm

Width : 56 cm (base) Projection from base : (N) cm (S) cm
cm (top)

Masonry : Northern wall. 4 courses, regular.
Southern wall. 4 courses, irregular.
Western wall. Built between long walls, irregular.
Two courses survived.
Interspaces contain small stones.

Stone size (Length is parallel to grave chamber)
Long walls of chamber Projecting upper part
(Long x thick) cm (L. x W. x thick) cm
33 x 22 30 x 16
32 x 20 16 x 6
50 x 10

Re-use of existing R.W. (ringwall) for chamber : R.W. on East.
Surface of B.R. (bed rock) : Secondary.

THE ALCOVE

Location : No alcove **Re-use** of existing R.W. face :

Capstone : L. x W. x thick cm

Width (of mouth) : cm **Length** : cm **Height** (from B.R.) : cm

Remarks :

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : Sand and stones, 45 cm

Layer (2) : Gravel and loose earth, 20 cm.

Floor level above B.R. : 3 5 cm thick earth with small stones.

CONTENTS OF GRAVE

Skeletal remains :

Stones :

Metals :

Shells :

Bitumen-lined materials :

Other :

Ceramics : Red 'Barbar' Ware.

THE RINGWALL

Length (external, upper part) : 565 cm **Width** : 27 - 46 cm

Max. Height : 85 cm of 4 courses. Interspaces contain nothing.

Stone size (wall face) in cm		(top of wall)		
Long	x thick	Long	x thick	L. x W. x thick cm
36	x 10	37	x 34	19 x 17
31	x 12	36	x 26	

Filling between R.W. and grave : Uniform deposit of stones, gravel mixed with earth.

Remarks :

BURIAL — 111 A

Square D/F2 (Feature 8); D/G2 (12 & 14)

THE GRAVE CHAMBER

Orientation of grave chamber : 58° — NE

Capstones : None I. (from East) L. x W. x thick cm
II. cm III. cm IV. cm

Length : cm (N) **Height** (overall from bed rock) : 80 cm
cm (S) Chamber walls : 80 cm (S) 85
137 cm (middle) Projecting part : cm

Width : 69 cm (base) Projection from base : (N) cm (S) cm
cm (top)

Masonry : Northern wall. 4 courses regular. (It is a R.W.)
Southern wall. 5 6 courses, irregular.
Western wall. Built beside Ringwall, irregular.
Interspaces contain nothing in S. wall.

Stone size (Length is parallel to grave chamber)
Long walls of chamber Projecting upper part
(Long x thick) cm (L. x W. x thick) cm
16 x 12
27 x 15 (S)
30 x 10

Re-use of existing R.W. (ringwall) for chamber : Three Ringwalls, one on North and
two on East.
Surface of B.R. (bed rock) : Secondary.

THE ALCOVE

Location : No alcove **Re-use** of existing R.W. face :

Capstone : L. x W. x thick cm

Width (of mouth) : cm **Length** : cm **Height** (from B.R.) : cm

Remarks :

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : 61 cm thick sand.

Layer (2) : 15 cm thick gravel and earth

Floor level above B.R. : 4 cm average floor level of earth.

CONTENTS OF GRAVE

Skeletal remains :

Stones : Steatite bowl with dot-in-circle design. (SR 293).

Metals : Hook-like object of bronze (SR 136).

Shells : Fourteen (SR 234).

Bitumen-lined materials :

Other :

Ceramics : Red 'Barbar' and cream slipped wares.

THE RINGWALL

Length (external, upper part) : 356 cm **Width** : 13 46 cm

Max. Height : 70 cm of 5 courses. Interspaces contain nothing.

Stone size (wall face) in cm		(top of wall)		
Long x thick		Long x thick	L.	x W. x thick cm
16 x 7	60 x 26	33 x 29		
18 x 8	46 x 25	44 x 14		
	20 x 18			

Filling between R.W. and grave : Uniform deposit of earth and gravel on Southern side of grave.

Remarks :

BURIAL — 111 B

Square D/F2 (Feature 5); D/F3 (4 & 6)

THE GRAVE CHAMBER

Orientation of grave chamber : 50° — NE

Capstones : None I. (from East) L. x W. x thick cm
II. cm III. cm IV. cm

Length : cm (N) **Height** (overall from bed rock) : 82 cm
cm (S) Chamber walls : 42 cm (S) 16
135 cm (middle) Projecting part : cm

Width : 62 cm (base) Projection from base : (N) cm (S) cm
cm (top)

Masonry : Northern wall. 3 courses, irregular.

Southern wall. 3 4 courses, regular. It is a R.W.

Western wall. Built beside Ringwall, irregular. Broken.

Interspaces contain nothing in Northern wall.

Stone size (Length is parallel to grave chamber)

Long walls of chamber

(Long x thick) cm

30 x 28

32 x 5 (N)

33 x 25

Projecting upper part

(L. x W. x thick) cm

56 x 46 x 14

(one only at W. edge)

Re-use of existing R.W. (ringwall) for chamber : Two Ringwalls on South and East.
Surface of B.R. (bed rock) : Secondary.

THE ALCOVE

Location : No alcove **Re-use** of existing R.W. face :

Capstone : L. x W. x thick cm

Width (of mouth) : cm **Length** : cm **Height** (from B.R.) : cm

Remarks :

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : 60 cm thick sand.

Layer (2) : Earth and many stones, 20 cm.

Floor level above B.R. : 2 cm, not distinguishable due to uneven B.R. surface except by the pottery in situ.

CONTENTS OF GRAVE

Skeletal remains :

Stones :

Metals :

Shells :

Bitumen-lined materials :

Other :

Ceramics : Globular red jar (SR 289). Vase (SR 271).
Cream-slipped red wares.

THE RINGWALL

Length (external, upper part) : 360 cm **Width** : 11 60 cm

Max. Height : 52 cm of 4 courses. Interspaces contain nothing.

Stone size (wall face) in cm		(top of wall)	
Long x thick	Long x thick	L. x W.	x thick cm
18 x 15	14 x 12		
15 x 12	27 x 14		

Filling between R.W. and grave : Space too narrow to have contained anything.

Remarks :

BURIAL — 112

Square D/G2 (Feature 8 & 15)

THE GRAVE CHAMBER

Orientation of grave chamber : 60° — NE

Capstones : None I. (from East) L. x W. x thick cm
II. cm III. cm IV. cm

Length : cm (N) **Height** (overall from bed rock) : 71 cm
cm (S) Chamber walls : 71 cm (S) 68
128 cm (middle) Projecting part : cm

Width : 86 cm (base) Projection from base : (N) cm (S) cm
cm (top)

Masonry : Northern wall. 6 5 courses, irregular.
Southern wall. 5 6 courses, irregular.
Western wall. Built beside Ringwall, irregular.
Interspaces contain nothing.

Stone size (Length is parallel to grave chamber)
Long walls of chamber Projecting upper part
(Long x thick) cm (L. x W. x thick) cm
21 x 17
39 x 15
21 x 14

Re-use of existing R.W. (ringwall) for chamber : Two ringwalls on North and East.
Surface of B.R. (bed rock) : Original.

THE ALCOVE

Location : No alcove. **Re-use** of existing R.W. face :

Capstone : L. x W. x thick cm

Width (of mouth); cm **Length** : cm **Height** (from B.R.) : cm

Remarks :

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : Sand, 50 cm.

Layer (2) : Loose earth and few pieces of stones, 16 cm.

Floor level above B.R. : Hard earth mixed with bits of stones, 3 5 cm.

CONTENTS OF GRAVE

Skeletal remains : Few bones — poor condition.

Stones :

Metals :

Shells :

Bitumen-lined materials :

Other :

Ceramics :

THE RINGWALL

Length (external, upper part) : 410 cm **Width** : 27 33 cm

Max. Height : 70 cm of 4 courses. Interspaces contain nothing.

Stone size (wall face) in cm		(top of wall)	
Long x thick	Long x thick	L. x W.	x thick cm
51 x 28	48 x 25		
50 x 17	30 x 18		

Filling between R.W. and grave : Space too narrow to have contained anything.

Remarks :

BURIAL — 113

Square D/G2 (Feature 3 & 9)

THE GRAVE CHAMBER

Orientation of grave chamber : 50° — NE (L-shaped)

Capstones : Dislocated I. (from East) L. x W. x thick cm
II. cm III. cm IV. cm

Length : 150 cm (N) **Height** (overall from bed rock) : 78 cm
135 cm (S) Chamber walls : 62 cm
cm (middle) Projecting part : 18 cm

Width : 86 cm (base) Projection from base : (N) 10 cm (S) cm
cm (top)

Masonry : Northern wall. 2 3 courses, regular.
Southern wall. 4 courses, regular.
Western wall. Built beside Ringwall, irregular.
Interspaces contain nothing.

Stone size (Length is parallel to grave chamber)
Long walls of chamber Projecting upper part
(Long x thick) cm (L. x W. x thick) cm
47 x 28 35 x 20 40 x 37 x 8
51 x 14 37 x 15

Re-use of existing R.W. (ringwall) for chamber : 2 R.W. on East and North
Surface of B.R. (bed rock) : Original

THE ALCOVE

Location : South wall **Re-use** of existing R.W. face : on South

Capstone : None L. x W. x thick cm

Width (of mouth); 37 cm **Length** : 28 cm **Height** (from B.R.) : 68 cm.

Remarks :

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : Sand, 50 cm.
Layer (2) : 10 15 cm thick loose earth and few stones.
Floor level above B.R. : 10 13 cm hard earth.

CONTENTS OF GRAVE

Skeletal remains : Few teeth.

Stones : 'Dilmun' seal of steatite (SR 193).

Metals : Two finger rings of bronze (SR 251 and SR 252).

Shells :

Bitumen-lined materials : Circular basket (in the alcove) at least 14.5 cm across.

Other :

Ceramics : Coarse, pale red wares. Red 'Barbar' Ware.

THE RINGWALL

Length (external, upper part) : 125 cm **Width :** 37 cm

Max. Height : 58 cm of 4 courses. Interspaces contain nothing.

Stone size (wall face) in cm		(top of wall)		
Long x thick	Long x thick	L.	x W.	x thick cm
26 x 12	50 x 13			
19 x 12				

Filling between R.W. and grave : Space too narrow to contain anything.

Remarks :

BURIAL — 114

Square D/F3 (Feature 3 & 5)

THE GRAVE CHAMBER

Orientation of grave chamber : 60° — NE

Capstones : None I. (from East) L. x W. x thick cm
II. cm III. cm IV. cm

Length : cm (N) **Height** (overall from bed rock) : 70 cm
cm (S) Chamber walls : 70 cm (S) 60
120 cm (middle) Projecting part : cm

Width : 63 cm (base) Projection from base : (N) cm (S) cm
cm (top)

Masonry : Northern wall courses, irregular. Both are
Southern wall. courses, irregular. Ringwalls
Western wall. All broken.

Stone size (Length is parallel to grave chamber)

Long walls of chamber	Projecting upper part
(Long x thick) cm	(L. x W. x thick) cm
33 x 31	
41 x 23	
50 x 16	

Re-use of existing R.W. (ringwall) for chamber : Three ringwalls, one each on East, North and South.

Surface of B.R. (bed rock) : Secondary.

THE ALCOVE

Location : No alcove. **Re-use** of existing R.W. face :

Capstone : L. x W. x thick cm

Width (of mouth); cm **Length** : cm **Height** (from B.R.) : cm

Remarks :

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : Sand, 60 cm.

Layer (2) : 5 - 8 cm. Loose earth with small stones.

Floor level above B.R. : Not well defined. 2 - 5 cm thick earth below spot where pottery was found.

CONTENTS OF GRAVE

Skeletal remains :

Stones :

Metals :

Shells :

Bitumen-lined materials : Fragments only (SR 135).

Other :

Ceramics : Two small vases of dark red colour.

THE RINGWALL

Length (external, upper part) : 150 cm **Width** : 27 - 38 cm

Max. Height : 65 cm of 3 courses. Interspaces contain nothing.

Stone size (wall face) in cm		(top of wall)	
Long x thick	Long x thick	L.	x W. x thick cm
40 x 20	32 x 15		
23 x 15			

Filling between R.W. and grave : No space.

Remarks :

BURIAL — 115

Square D/F3 (Feature 7 & 8); D/E3 (7)

THE GRAVE CHAMBER

Orientation of grave chamber : 60° — NE

Capstones : None I. (from East) L. x W. x thick cm
II. cm III. cm IV. cm

Length : cm (N) **Height** (overall from bed rock) : 76 cm
cm (S) Chamber walls : 73 cm (S) 62
110 cm (middle) Projecting part : 16 cm

Width : 65 cm (base) Projection from base : (N) 8 cm (S) cm
cm (top)

Masonry : Northern wall. courses, irregular. (It is R.W.)
Southern wall. 3 courses, regular.
Western wall. Built between long walls, irregular. Broken.
Interspaces contain nothing.

Stone size (Length is parallel to grave chamber)
Long walls of chamber Projecting upper part
(Long x thick) cm (L. x W. x thick) cm
41 x 31 50 x 24 x 24
30 x 21 45 x 32 x 22
12 x 10

Re-use of existing R.W. (ringwall) for chamber : Two ringwalls, one each on East and North.
Surface of B.R. (bed rock) : Secondary.

THE ALCOVE

Location : No alcove **Re-use** of existing R.W. face :

Capstone : L. x W. x thick cm

Width (of mouth); cm **Length** : cm **Height** (from B.R.) : cm

Remarks :

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : Sand, 52 cm.

Layer (2) : Loose earth and gravel 20 cm and more.

Floor level above B.R. : Earth and few stones, 6 cm. Not well defined.

CONTENTS OF GRAVE

Skeletal remains :

Stones :

Metals :

Shells :

Bitumen-lined materials :

Other :

Ceramics :

THE RINGWALL

Length (external, upper part) : 341* cm **Width** : 24 36 cm

Max. Height : 78 cm of 5 courses. Interspaces contain nothing.

Stone size (wall face) in cm		(top of wall)	
Long x thick	Long x thick L.	x W.	x thick cm
43 x 28	40 x 20	35 x 13	
31 x 13	30 x 31		

Filling between R.W. and grave : Space very narrow.

Remarks : * Including broken part on West.

BURIAL — 115 A

Square D/E3 (Feature 6 & 5)

THE GRAVE CHAMBER

Orientation of grave chamber : 60° — NE

Capstones : None I. (from East) L. x W. x thick cm
II. cm III. cm IV. cm

Length : cm (N) **Height** (overall from bed rock) : 71 cm
cm (S) Chamber walls : 38 60 cm (S) 73
151 cm (middle) Projecting part : cm

Width : 74 cm (base) Projection from base : (N) cm (S) cm
cm (top)

Masonry : Northern wall. 4 courses, regular.
Southern wall. 5 courses, regular.
Western wall. All broken.
Interspaces contain nothing.

Stone size (Length is parallel to grave chamber)
Long walls of chamber Projecting upper part
(Long x thick) cm (L. x W. x thick) cm
30 x 17
21 x 8
26 x 18

Re-use of existing R.W. (ringwall) for chamber : R.W. on East.
Surface of B.R. (bed rock) : Original but levelled.

THE ALCOVE

Location : No alcove **Re-use** of existing R.W. face :

Capstone : L. X W. x thick cm

Width (of mouth); cm **Length** : cm **Height** (from B.R.) : cm

Remarks :

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : 50 cm thick sand.

Layer (2) : Loose earth with small stones, 14 cm.

Floor level above B.R. : Indicated by presence of pottery. 7 cm thick earth below pottery.

CONTENTS OF GRAVE

Skeletal remains :

Stones : Rectangular disc of steatite (SR 304).

Metals :

Shells :

Bitumen-lined materials :

Other :

Ceramics : Potsherds, dull red ware.

THE RINGWALL

Length (external, upper part) : 537 * cm **Width** : 28 cm

Max. Height : 74 cm of 3 courses. Interspaces contain nothing.

Stone size (wall face) in cm		(top of wall)
Long x thick	Long x thick	L. 51 x W. 28 x thick 10 cm
40 x 17	39 x 32	L. 25 x W. 25 x thick 20 cm
43 x 20		

Filling between R.W. and grave : Space too limited to have contained significant deposit.

Remarks : * Including broken part on West.

BURIAL — 116 (Tumulus)

Square D/D4 (Feature 4 & 3); D/D5 (5 & 4)

THE GRAVE CHAMBER

Orientation of grave chamber : 60° — NE (L-shaped)

Capstones : None I. (from East) L. x W. x thick cm
II. cm III. cm IV. cm

Length : cm (N) **Height** (overall from bed rock) : 105 cm
cm (S) Chamber walls : 86 cm (S) 95
170 cm (middle) Projecting part : 16 cm

Width : 93 cm (base) Projection from base : (N) 21 cm (S) 9 cm
cm (top)

Masonry : Northern wall. 4 courses, regular.
Southern wall. 3 courses, regular.
Western wall. Built between long walls, regular.
Interspaces contain small stones.

Stone size (Length is parallel to grave chamber)

Long walls of chamber (Long x thick) cm			Projecting upper part (L. x W. x thick) cm
40 x 13	38 x 14	59 x 11	32 x 58 x 11
30 x 6	13 x 10	60 x 8	24 x 49 x 7
22 x 11	31 x 17	56 x 54	
32 x 10	48 x 28		

Re-use of existing R.W. (ringwall) for chamber : None
Surface of B.R. (bed rock) : Original but levelled.

THE ALCOVE

Location : South **Re-use** of existing R.W. face : None

Capstone : L. x W. x thick cm

Width (of mouth); 56 cm **Length** : 36 cm **Height** (from B.R.) : broken.

Remarks :

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : 55 cm thick sand.
Layer (2) : 35 cm thick earth and few stones.
Floor level above B.R. : Up to 15 cm thick floor of earth.

CONTENTS OF GRAVE

Skeletal remains : Multiple skeletons in good condition.

Stones :

Metals :

Shells :

Bitumen-lined materials : Pieces.

Other :

Ceramics : Base of red painted vase (SR 84). Coarse, red and tempered potsherds. Pale red with buff slip (also some with incised lines) ware. Thin, buff ware. Fine red ware. ('Barbar' and Kassite).

THE RINGWALL

Length (external, upper part) : 18.91 m* **Width** : 25 72 cm

Max. Height : 115 cm of 6 courses. Interspaces contain small stones.

Stone size (wall face) in cm		(top of wall)	
Long x thick	Long x thick	(E) L. 56 x W. 39 x thick 19 cm	
45 x 18	60 x 11	L. 129 x W. 91 x thick 72 cm	
20 x 11	20 x 18	(N) L. 55 x W. 43 x thick 18 cm	
22 x 27	36 x 14	L. 100 x W. 76 x thick 62 cm**	

Filling between R.W. and grave : Uniformly filled with gravel, hard earth and small stones.

Remarks : The R.W. survives to 52 cm height on western side. At its base width ranges between 50 and 90 cm. Two retaining walls are built connecting the grave with R.W.

* External diameter 6.14 metres.

** top of wall continued :

(Middle) L. 35 x W. 70 x thick 30 cm.

L. 110 x W. 68 x thick 38 cm.

BURIAL — 116 A (Tumulus)

Square D/C5 (Feature 12 & 11); D/D5 (1 & 4)

THE GRAVE CHAMBER

Orientation of grave chamber : 58° — NE (L-shaped)

Capstones : None I. (from East) L. x W. x thick cm
II. cm III. cm IV. cm

Length : cm (N) **Height** (overall from bed rock) : 103 cm
cm (S) Chamber walls : 70 cm (S) 84
187 cm (middle) Projecting part : cm

Width : 100 cm (base) Projection from base : (N) cm (S) cm
cm (top)

Masonry : Northern wall. 2 courses, regular.
Southern wall. 3 courses, regular.
Western wall. Built between long walls, irregular.
Single coursed and 35 cm high.
Interspaces contain small stones

Stone size* (Length is parallel to grave chamber)
Long walls of chamber Projecting upper part
(Long x thick) cm (L. x W. x thick) cm
(N) 68 x 47 (S) 123 x 23 (E) 71 x 28
81 x 48 74 x 20
75 x 9 61 x 44

Re-use of existing R.W. (ringwall) for chamber : None
Surface of B.R. (bed rock) : Original

THE ALCOVE

Location : North wall **Re-use** of existing R.W. face : None

Capstone : L. x W. x thick cm

Width (of mouth) : 57 cm **Length** : 50 cm **Height** (from B.R.) : Broken

Remarks :* Very large stones, with dressed face, have been used in the Northern, Eastern and Southern walls of chamber.

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : Sand, 70 cm.

Layer (2) : Gravel mixed with earth, 28 cm.

Floor level above B.R. : Hard earth, 3 5 cm.

CONTENTS OF GRAVE

Skeletal remains : Few pieces.

Stones :

Metals :

Shells :

Bitumen-lined materials :

Other :

Ceramics : Small red vase, red painted (SR 85).

Cream slipped vase (SR 82).

Dark red tempered ware.

THE RINGWALL (*see Burial 116*)

Length (external, upper part) : cm **Width :** cm

Max. Height : cm of courses. Interspaces contain small stones.

Stone size (wall face) in cm		(top of wall)	
Long x thick	Long x thick	L. x W.	x thick cm

Filling between R.W. and grave :

Remarks : A retaining wall existed connecting the burial chamber with the R.W.

BURIAL — 117 (Tumulus)

Square D/D4 (Feature 8 & 9); D/E4 (7 & 5)

THE GRAVE CHAMBER

Orientation of grave chamber : 60° — NE (L-shaped)

Capstones : None I. (from East) L. x W. x thick cm
II. cm. III. cm IV. cm.

Length : cm (N) **Height** (overall from bed rock) : 70 cm
cm (S) Chamber walls : 57 cm (S) 70
117 cm (middle) Projecting part : cm

Width : 73 cm (base) Projection from base : (N) cm (S) cm
67 cm (top)

Masonry : Northern wall. 2 courses, regular.
Southern wall. 1 2 courses, regular.
Western wall. Built with long walls, regular.
Interspaces contain small stones

Stone size* (Length is parallel to grave chamber)

Long walls of chamber (Long x thick) cm	Projecting upper part (L. x W. x thick) cm
42 x 17	51 x 40 x 8
20 x 16	32 x 41 x 14
37 x 13	

Re-use of existing R.W. (ringwall) for chamber : None
Surface of B.R. (bed rock) : Secondary.

THE ALCOVE

Location : North wall **Re-use** of existing R.W. face : None

Capstone : L. 59 x W. 37 x thick 15 cm.

Width (of mouth) : 38 cm **Length** : 46 cm **Height** (from B.R.) : 59 cm

Remarks :* Large stones are used in the construction of chamber wall and gaps in between are filled with stones of smaller size.

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : Sand, 45 cm.

Layer (2) : Gravel and earth mixed with few small stones, 20 cm.

Floor level above B.R. : Earth, 5 cm.

CONTENTS OF GRAVE

Skeletal remains :

Stones : Steatite cup (SR 119).

Metals : Bronze finger ring (SR 106). Piece of bronze sheet (SR 114). Piece of bronze knife (SR 122).

Shells : Thirteen.

Bitumen-lined materials :

Other :

Ceramics : Red 'Barbar' Ware.

THE RINGWALL

Length (external, upper part) : 880 cm* **Width** : 17 38 cm

Max. Height : 75 cm of 6 courses. Interspaces contain small stones.

Stone size (wall face) in cm		(top of wall)
Long x thick	Long x thick	L. 38 x W. 66 x thick 29 cm
25 x 9	21 x 10	60 x 25
26 x 12	42 x 18	

Filling between R.W. and grave : Earth, gravel and small stones. Uniform.

Remarks : Large stones are used at the base of R.W.

* External diameter 3.55 M.

BURIAL — 117 A

Square D/D4 (Feature 7); D/D3 (8)

THE GRAVE CHAMBER

Orientation of grave chamber : 310° — NW

Capstones : One I. (On South) L. 70 x W. 40 x thick 12 cm
II. cm III. cm IV. cm

Length : cm (N) **Height** (overall from bed rock) : 87 cm
cm (S) Chamber walls (E) : 63 cm (W) 68
180 cm (middle) Projecting part : 14 (E) cm

Width : 70 cm (base) Projection from base : (E) 21 cm (S) cm
52 cm (top)

Masonry : Eastern wall. 4 courses, regular.
Western wall. 4 courses, regular.
Interspaces contain nothing.

Stone size (Length is parallel to grave chamber)
Long walls of chamber Projecting upper part
(Long x thick) cm (L. x W. x thick) cm
18 x 10 19 x 8 37 x 50 x 17
28 x 13
37 x 6

Re-use of existing R.W. (ringwall) for chamber : None
Surface of B.R. (bed rock) : Original on North and Secondary.

THE ALCOVE

Location : No alcove **Re-use** of existing R.W. face :

Capstone : L. x W. x thick cm

Width (of mouth); cm **Length** : cm **Height** (from B.R.) : cm

Remarks :

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : Sand, 50 cm.

Layer (2) : Loose earth, 18 cm.

Floor level above B.R. : Earth only, 8 cm.

CONTENTS OF GRAVE

Skeletal remains :

Stones :

Metals :

Shells :

Bitumen-lined materials :

Other :

Ceramics : Ridged ware with cream slip. Cup of pale red ware (SR 81).

THE RINGWALL

Length (external, upper part) : 210 cm **Width** : 22 35 cm

Max. Height : 90 cm of 3 courses. Interspaces contain nothing.

Stone size (wall face) in cm		(top of wall)
Long x thick	Long x thick	L. 22 x W. 25 x thick 10 cm
26 x 16		L. 11 x W. 20 x thick 12 cm

Filling between R.W. and grave : Numerous small stones and earth only.

Remarks :

BURIAL — 118

Square D/D4 (Feature 5 & 6 — 10)

THE GRAVE CHAMBER

Orientation of grave chamber : 52° — NE (L-shaped)

Capstones : One I. (from East) L. 76 x W. 70 x thick 22 cm
II. cm III. cm IV. cm

Length : cm (N) **Height** (overall from bed rock) : 88 cm
cm (S) Chamber walls : 65 cm (S) 78
141 cm (middle) Projecting part : 25 cm

Width : 84 cm (base) Projection from base : (N) 28 cm (S) 12 cm
68 cm (top)

Masonry : Northern wall. 4 courses, regular.
Southern wall. 5 - 6 courses, irregular.
Western wall. Built with long walls, regular.
Interspaces contain nothing.

Stone size (Length is parallel to grave chamber)

Long walls of chamber (Long x thick) cm		Projecting upper part (L. x W. x thick) cm
21 x 13	23 x 12	36 x 41 x 8
17 x 14	20 x 7	34 x 45 x 11 (N)
53 x 17	32 x 17	40 x 79 x 16 24

Re-use of existing R.W. (ringwall) for chamber : R.W. on South*
Surface of B.R. (bed rock) : Secondary.

THE ALCOVE

Location : North wall **Re-use** of existing R.W. face : None

Capstone : L. 37 x W. 23 x thick 18 cm

Width (of mouth); 38 cm **Length** : 19(W) cm **Height** (from B.R.) : 57 cm.

Remarks : * The re-use of R.W. for the long side of graves is rare in occurrence.

BURIAL — 119

Square D/D4 (Feature 13); D/E4 (1); D/D5 (7 & 6); D/E5 (3).

THE GRAVE CHAMBER

Orientation of grave chamber : 62° — E NE (L-shaped)

Capstones : None I. (from East) L. x W. x thick cm
II. cm III. cm IV. cm

Length : 150 cm (N) **Height** (overall from bed rock) : 82 cm
164 cm (S) Chamber walls : 70 cm (S) 82
cm (middle) Projecting part : cm

Width : 82 cm (base) Projection from base : (N) cm (S) cm
cm (top)

Masonry : Northern wall. 4 courses, regular.
Southern wall. 4 courses, regular.
Western wall. Built with long walls, regular.
Interspaces contain small stones.

Stone size (Length is parallel to grave chamber)
Long walls of chamber Projecting upper part
(Long x thick) cm (L. x W. x thick) cm
31 x 13 46 x 12
26 x 16 30 x 30
45 x 33

Re-use of existing R.W. (ringwall) for chamber : R.W. on East.
Surface of B.R. (bed rock) : Secondary.

THE ALCOVE

Location : North wall **Re-use** of existing R.W. face : on North

Capstone : None L. x W. x thick cm

Width (of mouth); 52 cm **Length** : 64 cm **Height** (from B.R.) : 69 cm.

Remarks :

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : Sand, 46 cm.
Layer (2) : Small stones and earth, 18 cm.
Floor level above B.R. : 18 cm thick earth with sand.

CONTENTS OF GRAVE

Skeletal remains :

Stones :

Metals :

Shells :

Bitumen-lined materials :

Other :

Ceramics :

THE RINGWALL

Length (external, upper part) : 465 cm **Width** : 18 45 cm

Max. Height : 68 cm of 4 courses. Interspaces contain nothing.

Stone size (wall face) in cm		(top of wall)
Long x thick	Long x thick	L. 40 x W. 45 x thick 19 cm
25 x 22	17 x 14	L. 36 x W. 39 x thick 19 cm
44 x 30	35 x 19	
28 x 12		

Filling between R.W. and grave : Uniform deposit of earth mixed with gravel and small stones.

Remarks :

BURIAL — 120

Square D/E4 (Feature 2 & 3); D/E5 (4)

THE GRAVE CHAMBER

Orientation of grave chamber : 62° — E NE (L-shaped)

Capstones : None I. (from East) L. x W. x thick cm
II. cm III. cm IV. cm

Length : 140 cm (N) **Height** (overall from bed rock) : 80 cm
150 cm (S) Chamber walls : 80 cm (S) 76
cm (middle) Projecting part : cm

Width : 80 cm (base) Projection from base : (N) cm (S) cm
cm (top)

Masonry : Northern wall. 5 6 courses, irregular.
Southern wall. 5 courses, irregular.
Western wall. Built between long walls, irregular.
Interspaces contain nothing.

Stone size (Length is parallel to grave chamber)
Long walls of chamber Projecting upper part
(Long x thick) cm (L. x W. x thick) cm
18 x 19 17 x 12
26 x 13 29 x 19
33 x 30 14 x 10
25 x 10

Re-use of existing R.W. (ringwall) for chamber : R.W. on East.
Surface of B.R. (bed rock) : Secondary.

THE ALCOVE

Location : North wall **Re-use** of existing R.W. face : on North

Capstone : L. x W. x thick cm

Width (of mouth); 34 cm **Length** : 35 cm **Height** (from B.R.) : 67 cm.

Remarks :

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : Sand, 41 cm.

Layer (2) : Loose earth, sandy with few small stones, 26 cm.

Floor level above B.R. : Hard earth, 13 cm.

CONTENTS OF GRAVE

Skeletal remains :

Stones :

Metals : Pieces of bronze antimony rod (SR 100).

Shells :

Bitumen-lined materials : Basket, circular in shape, at least 18 cm in diameter.

Other :

Ceramics :

THE RINGWALL

Length (external, upper part) : 495 cm **Width** : 14 34 cm

Max. Height : 67 cm of 5 courses. Interspaces contain small stones.

Stone size (wall face) in cm		(top of wall)	
Long x thick	Long x thick	L. 27 x W. 32 x thick 18 cm	
18 x 11	32 x 12	L. 26 x W. 27 x thick 12 cm	
63 x 14	13 x 7		
	33 x 24		

Filling between R.W. and grave : Uniform deposit of gravel and small stones mixed with earth.

Remarks :

BURIAL — 121

Square D/E4 (Feature 4 & 6)

THE GRAVE CHAMBER

Orientation of grave chamber : 64° — E NE (L-shaped)

Capstones : None I. (from (East) L. x W. x thick cm
II. cm III. cm IV. cm

Length : cm (N) **Height** (overall from bed rock) : 81 cm
cm (S) Chamber walls : 70 cm (S) 60
158 cm (middle) Projecting part : 15 cm

Width : 84 cm (base) Projection from base : (N) 20 cm (S) cm
81 cm (top)
existing on N. only.

Masonry : Northern wall. 5 6 courses, regular.
Southern wall. 4 5 courses, regular.
Western wall. Built with long walls, regular.
Interspaces contain nothing.

Stone size (Length is parallel to grave chamber)

Long walls of chamber	Projecting upper part
(Long x thick) cm	(L. x W. x thick) cm
37 x 21	33 x 47 x 7
25 x 12	45 x 51 x 10
34 x 20	

Re-use of existing R.W. (ringwall) for chamber : None
Surface of B.R. (bed rock) : Secondary.

THE ALCOVE

Location : South wall **Re-use** of existing R.W. face : None

Capstone : L. x W. x thick cm

Width (of mouth); 40 cm **Length** : 43 cm **Height** (from B.R.) : 69 cm

Remarks :

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : 55 cm thick sand.

Layer (2) : Loose earth mixed with gravel, 20 cm thick.

Floor level above B.R. : Earth only, 6 cm.

CONTENTS OF GRAVE

Skeletal remains :

Stones : Steatite jar cover (SR 101). 'Dilmun' seal (SR 201).
Two beads (SR 95 and SR 96).

Metals : Bronze piece (SR 94).

Shells :

Bitumen-lined materials : Basket marked pieces (SR 301), belonging to squarish basket, 18 cm across and at least 13½ cm high.

Other :

Ceramics :

THE RINGWALL

Length (external, upper part) : 640 cm **Width** : 27 45 cm

Max. Height : 70 cm of 4 courses. Interspaces contain nothing.

Stone size (wall face) in cm		(top of wall)	
Long x thick	Long x thick	L. 23 x W. 45 x	thick 14 cm
17 x 14	38 x 25	L. 32 x W. 40 x	thick 11 cm
20 x 15			

Filling between R.W. and grave : Uniform deposit of earth, gravel and a few small stones.

Remarks :

BURIAL — 122

Square D/C4 (Feature 8 & 14); D/D4 (12)

THE GRAVE CHAMBER

Orientation of grave chamber : 58° — NE

Capstones : Two I. (from East) L. x W. x thick cm
II. 67 x 45 x 19 cm III. 86 x 48 x 21 cm IV. cm

Length : 160 cm (N) **Height** (overall from bed rock) : 105 cm
174 cm (S) Chamber walls : 81 cm (S) 77
cm (middle) Projecting part : 37 cm (S) 28

Width : 74 cm (base) Projection from base : (N) 7 cm (S) 36 cm
34 cm (top)

Masonry : Northern wall. 6 7 courses, irregular.
Southern wall. 6 courses, irregular.
Western wall. Ringwall of Burial 116 & 116A.
Interspaces contain nothing.

Stone size (Length is parallel to grave chamber)

Long walls of chamber (Long x thick) cm		Projecting upper part (L. x W. x thick) cm
31 x 13	18 x 6	29 x 42 x 14
18 x 10	12 x 7	27 x 36 x 10
14 x 12	14 x 14	48 x 57 x 22

Re-use of existing R.W. (ringwall) for chamber : 2 R.W. on E. & W.
Surface of B.R. (bed rock) : Secondary.

THE ALCOVE

Location : No alcove **Re-use** of existing R.W. face :

Capstone : L. x W. x thick cm

Width (of mouth); cm **Length** : cm **Height** (from B.R.) : cm

Remarks :

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : 60 cm thick sand.

Layer (2) : Earth and few stones, 35 cm.

Floor level above B.R. : Earth and gravel, 10 cm.

CONTENTS OF GRAVE

Skeletal remains :

Stones :

Metals :

Shells :

Bitumen-lined materials :

Other :

Ceramics : Red 'Barbar' Ware. Red ware, cream slipped.

THE RINGWALL (*Southern*)*

Length (external, upper part) : 200 cm **Width** : 20 25 cm

Max. Height : 110 cm of 13 courses. Interspaces contain small stones.

Stone size (wall face) in cm			(top of wall)
Long x thick		Long x thick	L. 34 x W. 20 x thick 13 cm
33 x 12	27 x 17	16 x 12	
39 x 10	47 x 18	17 x 8	
24 x 16	23 x 10		

Filling between R.W. and grave : Gravel mixed with some earth only.

Remarks : Burial 122 is enclosed by two walls on N. and S.

* Northern R.W. re-used by Burial 124 along its southern side is 146 cm long and consists of six courses. See under Burial 124.

BURIAL — 123

Square D/D4 (Feature 2)

THE GRAVE CHAMBER

Orientation of grave chamber : 330° — NW

Capstone : Fallen into grave I. (from East) L. x W. x thick cm
II. cm III. cm IV. cm

Length : cm (N) **Height** (overall from bed rock) : 85 cm
cm (S) Chamber walls (E) : 88 cm (W) 58
124 cm (middle) Projecting part : cm

Width : 74 cm (base) Projection from base : (N) cm (S) cm
cm (top)

Masonry : (R.W. on E. and N.).
Southern wall. 4 courses, regular.
Western wall. regular.
Interspaces contain nothing.

Stone size (Length is parallel to grave chamber)
Long walls of chamber Projecting upper part
(Long x thick) cm (L. x W. x thick) cm
(of R.W. of Burial 110)
(E) 21 x 12; 18 x 15; 20 x 10

Re-use of existing R.W. (ringwall) for chamber : 3 R.W. one on each of North, East and Northwest.

Surface of B.R. (bed rock) : Secondary.

THE ALCOVE

Location : No alcove **Re-use** of existing R.W. face :

Capstone : L. x W. x thick cm

Width (of mouth); cm **Length** : cm **Height** (from B.R.) : cm

Remarks : Southern part is badly damaged.

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : Fallen stones in sand, 70 cm.

Layer (2) : Earth and small stones, 10 - 12 cm.

Floor level above B.R. : 3 - 5 cm thick hard earth.

CONTENTS OF GRAVE

Skeletal remains : Pieces only.

Stones :

Metals :

Shells :

Bitumen-lined materials :

Other :

Ceramics :

THE RINGWALL (*None*)*

Length (external, upper part) : cm **Width :** cm

Max. Height : cm of courses. Interspaces contain small stones.

Stone size (wall face) in cm		(top of wall)	
Long x thick	Long x thick	L. x W.	x thick cm

Filling between R.W. and grave :

*Remarks :** Its southern wall served as limit of the grave.
No signs of separate R.W. existed.

BURIAL — 124

Square D/C4 (Feature (6 & 16))

THE GRAVE CHAMBER

Orientation of grave chamber : 56° — NE

Capstones : Three I. (from East) L. 74 x W. 37 x thick 11 cm
II. 78 x 40 x 17 cm III. 92 x 55 x 21 cm IV. cm

Length : cm (N) **Height** (overall from bed rock) : 90 cm
cm (S) Chamber walls : 66 cm (S) 52
146 cm (middle) Projecting part : 25 cm (S) 36

Width: (N) 76 cm (base) 86(S) Projection from base : (N) 15 cm (S) 28 cm
41 cm (top)

Masonry : Northern wall. 5 courses, irregular.
Southern wall. It is R.W. of Burial 122.
Western wall. Built between long walls, irregular.
Badly damaged, exposing the face of R.W. of Burial 116. * See remarks.
Interspaces contain nothing.

Stone size (Length is parallel to grave chamber)

Long walls of chamber (Long x thick) cm	Projecting upper part (L. x W. x thick) cm
32 x 14	40 x 63 x 22
(N) 19 x 9	36 x 42 x 15
20 x 10	33 x 54 x 16

Re-use of existing R.W. (ringwall) for chamber : 2 R.W. on E. & S.*
Surface of B.R. (bed rock) : Original.

THE ALCOVE

Location : No alcove **Re-use** of existing R.W. face :

Capstone : L. x W. x thick cm

Width (of mouth) : cm **Length** : cm **Height** (from B.R.) : cm.

Remarks : * A single coursed wall was built beside the face of R.W. of Burial 116 to make the burial chamber rectangular in shape. The partition wall did exist originally but was observed to be decayed badly. Only a few stones were found in a line amidst a heap of fallen stones.

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : Sand, 50 cm.

Layer (2) : Earth and stones, 30 cm.

Floor level above B.R. : Earth, 10 cm.

CONTENTS OF GRAVE

Skeletal remains :

Stones :

Metals :

Shells :

Bitumen-lined materials :

Other :

Ceramics : Red 'Barbar' Ware (SR 303).

THE RINGWALL

Length (external, upper part) : 326 cm **Width** : 26 35 cm

Max. Height : 65 cm of 3 courses. Interspaces contain nothing.

Stone size (wall face) in cm		(top of wall)	
Long x thick	Long x thick	L.	W. x thick cm
35 x 23	18 x 15		
40 x 22			

Filling between R.W. and grave : Earth and a few stones.

Remarks :

BURIAL — 125

Square D/C5 (Feature 1 & 2); D/C4 (12 & 17)

THE GRAVE CHAMBER

Orientation of grave chamber : 50° — NE (L-shaped)

Capstones : Three I. (from East) L. 92 x W. 45 x thick 11 cm
II. 83 x 60 x 7 cm III. 90 x 56 x 11 cm IV. cm

Length : cm (N) **Height** (overall from bed rock) : 98 cm
cm (S) Chamber walls : 75 cm (S) 82
167 cm (middle) Projecting part : 20 cm

Width : 89 cm (base) Projection from base : (N) 32 cm (S) 29 cm
31 cm (top)

Masonry : Northern wall. 5 courses, irregular.
Southern wall. 6 courses, irregular.
Western wall. Built between long walls, irregular.
Interspaces contain nothing.

Stone size (Length is parallel to grave chamber)

Long walls of chamber (Long x thick) cm	Projecting upper part (L. x W. x thick) cm
45 x 19	37 x 54 x 11
24 x 10	48 x 60 x 14
25 x 9	46 x 50 x 18
	20 x 46 x 12

Re-use of existing R.W. (ringwall) for chamber : Two ringwalls on East.
Surface of B.R. (bed rock) : Secondary.

THE ALCOVE

Location : North wall **Re-use** of existing R.W. face : on North

Capstone : L. 58 x W. 43 x thick 8 cm

Width (of mouth): 46 cm **Length** : 49 cm **Height** (from B.R.): 68 cm.

Remarks :

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : Sand, 62 cm.

Layer (2) : Earth and few stones, 30 cm.

Floor level above B.R. : About 6 cm but not clearly defined.

CONTENTS OF GRAVE

Skeletal remains :

Stones :

Metals :

Shells :

Bitumen-lined materials :

Other :

Ceramics : Red 'Barbar' Ware. Ridged Ware, cream slipped.

THE RINGWALL

Length (external, upper part) : 480 cm **Width** : 22 41 cm

Max. Height : 110 cm of 7 courses. Interspaces contain small stones.

Stone size (wall face) in cm		(top of wall)		
Long	x thick	Long	x thick	cm
36	x 9	22	x 17	
28	x 8	26	x 20	

Filling between R.W. and grave : Uniform deposit of earth mixed with gravel and small stones.

Remarks :

BURIAL — 125 A

Square D/C4 (Feature 5); D/C5 (3)

THE GRAVE CHAMBER

Orientation of grave chamber : 48° — NE

Capstones : One I. (from East) L. 108 x W. 45 x thick 15 cm.
II. cm III. cm IV. cm

Length : 153 cm (N) **Height** (overall from bed rock) : 75 cm
169 cm (S) Chamber walls : 60 cm
cm (middle) Projecting part : 20 cm

Width : 90 cm (base) Projection from base : (N) 34 cm (S) cm
50 cm (top)

Masonry : Northern wall. 5 courses, regular.) Both are external
Southern wall. 4 courses, regular.) faces of two R.W.s.
Western wall. Built between ringwalls, irregular.

Stone size (Length is parallel to grave chamber)
Long walls of chamber Projecting upper part
(Long x thick) cm (L. x W. x thick) cm
(recorded under R.W.s of
Burials 124 and 125)

Re-use of existing R.W. (ringwall) for chamber : 4 R.W.s : 2 on E., 1 on each N. & S.
Surface of B.R. (bed rock) : Original but a strip. Secondary
Surface on North.

THE ALCOVE

Location : No alcove. **Re-use** of existing R.W. face :

Capstone : L. x W. x thick cm

Width (of mouth): cm **Length** : cm **Height** (from B.R.) : cm

Remarks :

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : Sand 35 cm.

Layer (2) : Earth and fallen stones, 40 cm.

Floor level above B.R. : Not recognizable.

CONTENTS OF GRAVE

Skeletal remains : Pieces only.

Stones :

Metals :

Shells :

Bitumen-lined materials :

Other :

Ceramics : Red 'Barbar' Ware pot in fragments.

THE RINGWALL

Length (external, upper part) : 93 cm **Width :** 28 35 cm

Max. Height : 75 cm of 4 courses. Interspaces contain small stones.

Stone size (wall face) in cm		(top of wall)	
Long x thick	Long x thick	L.	W. x thick cm
59 x 25	32 x 15		
16 x 7			

Filling between R.W. and grave : Space too narrow to contain anything.

Remarks :

BURIAL — 126

Square D/C5 (Feature 4 & 5)

THE GRAVE CHAMBER

Orientation of grave chamber : 64° — E NE

Capstones : One I. (from East) L. 91 x W. 74 x thick 12 cm
II. cm III. cm IV. cm

Length : 139 cm (N) **Height** (overall from bed rock) : 119 cm
147 cm (S) Chamber walls : 87 cm
cm (middle) Projecting part : 30 cm

Width : 82 cm (base) Projection from base : (N) 21 cm (S) cm
36 cm (top)

Masonry Northern wall. 6 courses, irregular.
Southern wall. 4 courses, irregular.
Western wall. Built beside Ringwall, irregular.
Interspaces contain small stones.

Stone size (Length is parallel to grave chamber)

Long walls of chamber (Long x thick) cm		Projecting upper part (L. x W. x thick) cm
50 x 30	19 x 25	24 x 50 x 18
62 x 23	27 x 26	32 x 51 x 16
45 x 18		39 x 54 x 21

Re-use of existing R.W. (ringwall) for chamber : R.W. on East.
Surface of B.R. (bed rock) : Secondary*.

THE ALCOVE

Location : South wall **Re-use** of existing R.W. face : on South

Capstone : Fallen L. x W. x thick cm

Width (of mouth): 34 cm **Length** : 75(E) cm **Height** (from B.R.) : 72 cm

Remarks : * Original B.R. has been utilized in the construction of alcove. The alcove is 40 cm long on W.

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : 40 cm thick sand.

Layer (2) : Loose earth and stones, 55 cm thick.

Floor level above B.R. : 24 cm thick earth.

CONTENTS OF GRAVE

Skeletal remains :

Stones : Steatite bowl with dot-in-circle design. (SR 49).
'Dilmun' seal (SR 196).

Metals :

Shells :

Bitumen-lined materials :

Other :

Ceramics :

THE RINGWALL

Length (external, upper part) : 387 cm **Width** : 28 51 cm

Max. Height : 100 cm of 6 courses. Interspaces contain small stones.

Stone size (wall face) in cm		(top of wall)
Long x thick	Long x thick	L. 50 x W. 55 x thick 18 cm
37 x 16	34 x 20	L. 34 x W. 38 x thick 16 cm
36 x 14		

Filling between R.W. and grave : Uniform deposit of earth, gravel and small stones.

Remarks :

BURIAL — 127

Square D/C5 (Feature 6 & 7); D/B5 (12)

THE GRAVE CHAMBER

Orientation of grave chamber : 44° — NE (L-shaped)

Capstones : One I. (from East) L. — x W. x thick cm
II. 100 x 60 x 12 cm III. cm IV. cm

Length : cm (N) **Height** (overall from bed rock) : 97 cm
cm (S) Chamber walls : 80 cm (S) 73
155 cm (middle) Projecting part : 22 cm

Width : 86 cm (base) Projection from base : (N) 19 cm (S) 28 cm
40 cm (top)

Masonry : Northern wall. 4 courses, regular.
Southern wall. 5 6 courses, regular.
Western wall. Built between long walls, irregular. Broken.
Interspaces contain nothing.

Stone size (Length is parallel to grave chamber)

Long walls of chamber (Long x thick) cm	Projecting upper part (L. x W. x thick) cm
60 x 26	20 x 53 x 9
35 x 25	26 x 47 x 12
27 x 11	30 X 32 x 9

Re-use of existing R.W. (ringwall) for chamber : R.W. on East.
Surface of B.R. (bed rock) : Secondary.

THE ALCOVE

Location : South wall **Re-use** of existing R.W. face : on South

Capstone : L. 62 x W. 33 x thick 18 cm

Width (of mouth): 44 cm **Length** : 53 cm **Height** (from B.R.) : 49 cm

Remarks :

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : Sand, 53 cm.
Layer (2) : Over 30 cm thick loose earth and few stones.
Floor level above B.R. : 10 15 cm earth with gravel.

CONTENTS OF GRAVE

Skeletal remains :

Stones :

Metals :

Shells : Three (SR 297).

Bitumen-lined materials :

Other :

Ceramics : Red 'Barbar' Ware. Buff slipped and black painted potsherds. Thick, cream slipped ware.

THE RINGWALL

Length (external, upper part) : 427 cm **Width** : 18 44 cm

Max. Height : 95 cm of 5 courses. Interspaces contain small stones.

Stone size (wall face) in cm		(top of wall)
Long x thick	Long x thick	L. 34 x W. 27 X Thick 10 cm
32 x 16	38 x 15	24 x 6
66 x 26	51 x 17	28 x 17

Filling between R.W. and grave : Uniform deposit of earth mixed with gravel and stones.

Remarks :

BURIAL — 128

Square D/B5 (Feature 9 — 11); D/B6 (14)

THE GRAVE CHAMBER

Orientation of grave chamber : 50° — NE (L-shaped)

Capstones : Two I. (from East) L. 82 x W. 62 x thick 13 cm
II. 85 x 51 x 11 cm III. cm IV. cm

Length : cm (N) **Height** (overall from bed rock) : 96 cm
cm (S) Chamber walls : 73 cm (S) 61
135 cm (middle) Projecting part : 29 cm (S) 25

Width : 82 cm (base) Projection from base : (N) 23 cm (S) 13 cm
47 cm (top)

Masonry : Northern wall. 3 courses, regular.
Southern wall. 4 courses, irregular.
Western wall. Built between long walls, irregular.
Broken, 40 cm high.
Interspaces contain nothing.

Stone size (Length is parallel to grave chamber)

Long walls of chamber (Long x thick) cm	Projecting upper part (L. x W. x thick) cm
51 x 22	40 x 60 x 9
29 x 16	28 x 38 x 8
39 x 24	38 x 38 x 9

Re-use of existing R.W. (ringwall) for chamber : Two R.W. on East.
Surface of B.R. (bed rock) : Secondary.

THE ALCOVE

Location : North wall **Re-use** of existing R.W. face : None

Capstone : L. 50 x W. 40 x thick 13 cm

Width (of mouth): 35 **Length** : 38 cm **Height** (from B.R.) : 67 cm.

Remarks :

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : Sand, 62 cm.

Layer (2) : Loose brown earth, 21 cm.

Floor level above B.R. : Hard earth mixed with gravel, 13 cm.

CONTENTS OF GRAVE

Skeletal remains : Pieces only.

Stones :

Metals :

Shells :

Bitumen-lined materials :

Other :

Ceramics : Red 'Barbar' Ware. Ridged Ware.
Buff slipped red potsherds.

THE RINGWALL

Length (external, upper part) : 390 cm **Width** : 15 38 cm.

Max. Height : 130 cm of 4 courses. Interspaces contain small stones.

Stone size (wall face) in cm		(top of wall)	
Long x thick	Long x thick	L. x W.	x thick cm.
29 x 12	33 x 14		
38 x 23			

Filling between R.W. and grave : Uniform deposit of earth, gravel and small stones.

Remarks :

BURIAL — 128 A

Square D/B6 (Feature 7 & 8)

THE GRAVE CHAMBER

Orientation of grave chamber : 50° — NE (L-shaped)

Capstones : None I. (from East) L. x W. x thick cm
II. cm III. cm IV. cm

Length : 137 cm (N) **Height** (overall from bed rock) : 95 cm
120 cm (S) Chamber walls : 79 cm (S) 74
cm (middle) Projecting part : 20 cm (S) 24

Width : 87 cm (base) Projection from base : (N) 25 cm (S) 18 cm
45 cm (top)

Masonry : Northern wall. 4 5 courses, irregular.
Southern wall. 5 6 courses, irregular.
Western wall. Built between long walls, irregular.
Interspaces contain nothing.

Stone size (Length is parallel to grave chamber)
Long x thick) cm (L. x W. x thick) cm
31 x 23 29 x 58 x 17
35 x 20 43 x 72 x 17
39 x 26 30 x 56 x 21

Re-use of existing R.W. (ringwall) for chamber : Two Ringwalls on East.
Surface of B.R. (bed rock) : Secondary.

THE ALCOVE*

Location : North wall **Re-use** of existing R.W. face : None

Capstone : L. 59 x W. 39 x thick 10 cm

Width (of mouth): 52 cm **Length** : 52 cm **Height** (from B.R.) : 63 cm.

Remarks : * The back wall is curved.

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : Sand, 60 cm.
Layer (2) : Sandy and loose brown soil, 23 cm.
Floor level above B.R. : 12 cm thick hard earth.

CONTENTS OF GRAVE

Skeletal remains : Pieces only.

Stones :

Metals :

Shells :

Bitumen-lined materials :

Other :

Ceramics : Thin buff ware. Thick, red with buff slip.

THE RINGWALL*

Length (external, upper part) : 507 cm **Width** : 24 41 cm

Max. Height : 96 cm of 7 courses. Interspaces contain small stones.

Stone size (wall face) in cm		(top of wall)
Long x thick	Long x thick	L. 27 x W. 24 x thick 7 cm
42 x 17		L. 31 x W. 34 x thick 11 cm
31 x 29		

Filling between R.W. and grave : Two deposits :

Upper, sealing the capstones consisted of gravel and small stones.

Lower, associated with vertical part of burial chamber was composed of earth, gravel and few stones.

Remarks * The lower part of R.W. is built with large stones.

BURIAL — 129

Square D/B6 (Feature 1 & 2); D/A6 (6)

THE GRAVE CHAMBER

Orientation of grave chamber : 54° — NE

Capstones : None I. (from East) L. x W. x thick cm
II. cm III. cm IV. cm

Length : 146 cm (N) **Height** (overall from bed rock) : 100 cm
138 cm (S) Chamber walls : 72 cm (S) 79
cm (middle) Projecting part : 25 cm (S) 18

Width : 77 cm (base) Projection from base : (N) 26 cm (S) 8 cm
41 cm (top)

Masonry : Northern wall. 4 courses, regular.
Southern wall. 5 courses, regular.
Western wall. Built between long walls, irregular.
Interspaces contain a few small stones.

Stone size (Length is parallel to grave chamber)

Long walls of chamber (Long x thick) cm	Projecting upper part (L. x W. x thick) cm
34 x 18	21 x 57 x 15
31 x 15	36 x 60 x 16
32 x 25	37 x 53 x 18
	29 x 54 x 17

Re-use of existing R.W. (ringwall) for chamber : Two Ringwalls on East.*
Surface of B.R. (bed rock) : Secondary.

THE ALCOVE

Location : South wall **Re-use** of existing R.W. face : on South

Capstone : L. x W. x thick cm

Width (of mouth): cm **Length** : cm **Height** (from B.R.) : cm

Remarks : * It re-utilizes, in addition to the R.W., regular face of filled-in corner built against the R.W. of Burial 105. This corner is an unusual feature and appears to be the work of builders of Burial 106.

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : 70 cm thick sand.
Layer (2) : Loose brown earth with small stones, 23 cm.
Floor level above B.R. : Earth, 7 cm.

CONTENTS OF GRAVE

Skeletal remains :

Stones :

Metals :

Shells : Sixteen at varying depths 45 - 98 cm
(SR 245 - SR 247 and SR 288).

Bitumen-lined materials :

Other :

Ceramics : Red 'Barbar' Ware. Thin buff ware.

THE RINGWALL

Length (external, upper part) : 291 cm **Width** : 15 - 43 cm

Max. Height : 94 cm of 6 courses. Interspaces contain small stones.

Stone size (wall face) in cm		(top of wall)	
Long x thick		Long x thick	L. 30 x W. 23 x thick 25 cm
35 x 21	17 x 6	41 x 14	L. 23 x W. 20 x thick 5 cm
14 x 12	30 x 12		

Filling between R.W. and grave : Uniform deposit of earth, gravel and small stones.

Remarks :

BURIAL — 130

Square D/A6 (Feature 5 & 4)

THE GRAVE CHAMBER

Orientation of grave chamber : 60° — NE

Capstones : One I. (from East) L. 90 x W. 60 x thick 16 cm
II. cm III. cm IV. cm

Length : 197 cm (N) **Height** (overall from bed rock) : 93 cm
144 cm (S) Chamber walls : 71 cm (S) 78 cm
cm (middle) Projecting part : 20 cm

Width : 83 cm (base) Projection from base : (N) 26 cm (S) 13 cm
57 cm (top)

Masonry : Northern wall. 3 4 courses, irregular.
Southern wall. 4 5 courses, irregular.
Western wall. Built between long walls, irregular.
Interspaces contain nothing.

Stone size (Length is parallel to grave chamber)

Long walls of chamber (Long x thick) cm	Projecting upper part (L. x W. x thick) cm
42 x 29	49 x 44 x 13
43 x 19	29 x 66 x 13
25 x 17	25 x 50 x 17

Re-use of existing R.W. (ringwall) for chamber : Two R.W. on East and South East.
Surface of B.R. (bed rock) : Original

THE ALCOVE

Location No alcove **Re-use** of existing R.W. face :

Capstone : L. x W. x thick cm

Width (of mouth): cm **Length** : cm **Height** (from B.R.): cm

Remarks :

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : Sand deposit, 67 cm thick.

Layer (2) : Earth and stones mixed with sand, 16 - 20 cm.

Floor level above B.R. : 6 - 10 cm thick hard earth floor separated from floor (2) by a streak of sand.

CONTENTS OF GRAVE

Skeletal remains :

Stones :

Metals :

Shells :

Bitumen-lined materials :

Other :

Ceramics :

THE RINGWALL

Length (external, upper part) : 360 cm **Width** : 15 - 35 cm

Max. Height : 91 cm of 4 courses. Interspaces contain nothing.

Stone size (wall face) in cm		(top of wall)	
Long x thick	Long x thick	L. x W.	x thick cm
14 x 5	16 x 14		
20 x 18			

Filling between R.W. and grave : space between the grave and ringwall was too narrow to identify filling.

Remarks :

BURIAL — 131

Square D/A6 (Feature 2 & 1); D/A7 (8)

THE GRAVE CHAMBER

Orientation of grave chamber : 52° — NE

Capstones : None I. (from East) L. x W. x thick cm
II. cm III. cm IV. cm

Length : cm (N) **Height** (overall from bed rock) : 102 cm
cm (S) Chamber walls : 83 cm
143 cm (middle) Projecting part : 24 cm (S) 17

Width : 75 cm (base) Projection from base : (N) 14 cm (S) 8 cm
54 cm (top)

Masonry : Northern wall. 3 courses, regular.
Southern wall 5 courses, irregular.
Western wall. Built between long walls, irregular.
Interspaces contain small stones.

Stone size (Length is parallel to grave chamber)
Long walls of chamber Projecting upper part
(Long x thick) cm (L. x W. x thick) cm
46 x 40 33 x 53 x 16
42 x 21 32 x 48 x 8
33 x 26

Re-use of existing R.W. (ringwall) for chamber : R.W. on East.
Surface of B.R. (bed rock) : Original.

THE ALCOVE

Location : North wall **Re-use** of existing R.W. face : None

Capstone : L. 59 x W. 33 x thick 13 cm

Width (of mouth) : 41 cm **Length** : 52 cm **Height** (from B.R.) : 63 cm.

Remarks : The alcove is curved at back.

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : 70 cm sand deposit.

Layer (2) : 10 cm earth and few stones.

Floor level above B.R. : 22 cm thick of earth surface and stone and earth filling.

CONTENTS OF GRAVE

Skeletal remains :

Stones : Steatite vase with lugs and dot-in-circle design (SR 7).

Metals : Blade of knife of bronze (SR 18).

Shells :

Bitumen-lined materials :

Other :

Ceramics :

THE RINGWALL

Length (external, upper part) : 360 cm **Width** : 18 30 cm

Max. Height : 100 cm of 4 courses. Interspaces contain nothing.

Stone size (wall face) in cm		(top of wall)	
Long x thick	Long x thick	L. x W.	x thick cm
28 x 8			
32 x 14			

Filling between R.W. and grave : Uniform deposit of earth, gravel and small stones.

Remarks :

BURIAL — 133

Square D/C5 (Feature 9 & 8)

THE GRAVE CHAMBER

Orientation of grave chamber : 48° — NE

Capstones : None I. (from East) L. x W. x thick cm
II. cm III. cm IV. cm

Length : 130 cm (N) **Height** (overall from bed rock) : 100 cm
113 cm (S) Chamber walls : 78 cm (S) 82
cm (middle) Projecting part : 23 cm (S) 11

Width : 73 cm (base) Projection from base : (N) 26 cm (S) 12 cm
39 cm (top)

Masonry : Northern wall. 6 courses, irregular.
Southern wall. 4 courses, regular.*
Western wall. Built beside Ringwall, irregular.
Interspaces contain nothing.

Stone size (Length is parallel to grave chamber)
Long walls of chamber Projecting upper part
(Long x thick) cm (L. x W. x thick) cm
29 x 14 13 x 3 25 x 40 x 13
28 x 12 21 x 14 30 x 48 x 15
23 x 8

Re-use of existing R.W. (ringwall) for chamber : R.W. on East.
Surface of B.R. (bed rock) : Secondary.

THE ALCOVE

Location : South wall **Re-use** of existing R.W. face : None

Capstone : L. 44 x W. 31 x thick 17 cm

Width (of mouth) : 35 cm **Length** : 34 cm **Height** (from B.R.) : 56 cm

Remarks : * Utilized bed rock face.

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : Sand, 43 cm.
Layer (2) : Earth and few stones, 44 cm.
Floor level above B.R. : Earth, 13 cm.

CONTENTS OF GRAVE

Skeletal remains :

Stones :

Metals : Bronze antimony rod (SR 57).

Shells :

Bitumen-lined materials : Remains of basket, 17 cm across.

Other :

Ceramics : Small vase of pale red ware, neck broken.

THE RINGWALL

Length (external, upper part) : 427 cm **Width** : 27 45 cm

Max. Height : 70 cm of 3 courses. Interspaces contain nothing.

Stone size (wall face) in cm		(top of wall)		
Long	x thick	Long	x thick	L. x W. x thick cm
40	x 21	38	x 29	
39	x 15	47	x 25	

Filling between R.W. and grave : Gravel and earth on N. side only.

Remarks : On the southern side the original height of B.R. (with original surface) has been utilized. Filling was not necessary on the South side.

BURIAL — 134

Square D/C6 (Feature 6 & 5)

THE GRAVE CHAMBER

Orientation of grave chamber : 40° — NE

Capstones : None I. (from East) L. x W. x thick cm
II. cm III. cm IV. cm

Length : 193 cm (N) **Height** (overall from bed rock) : 84 cm
132 cm (S) Chamber walls : 69 cm (S) 77
cm (middle) Projecting part : 17 cm

Width : 82 cm (base) Projection from base : (N) 12 cm (S) cm
cm (top)

Masonry : Northern wall. 5 courses, irregular.
Southern wall. 6 courses, irregular.
Western wall. Built between long walls, irregular.
Broken, 43 cm high.
Interspaces contain nothing.

Stone size (Length is parallel to grave chamber)
Long walls of chamber Projecting upper part
(Long x thick) cm (L. x W. x thick) cm
21 x 15 18 x 11 39 x 45 x 13
24 x 14 33 x 16

Re-use of existing R.W. (ringwall) for chamber : Two R.W. on East.
Surface of B.R. (bed rock) : Secondary.

THE ALCOVE

Location : South wall **Re-use** of existing R.W. face : on South.

Capstone : L. 45 x W. 35 x thick 18 cm.

Width (of mouth) : 34 cm **Length** : 51 cm **Height** (from B.R.) : 51 cm.

Remarks :

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : Sand, 55 cm thick

Layer (2) : Loose brown earth, 25 cm.

Floor level above B.R. : Hard earth, 4 cm.

CONTENTS OF GRAVE

Skeletal remains : Skull pieces.

Stones : Steatite 'Dilmun' seal (SR 209). Bead (SR 63).

Metals : Two finger rings of bronze (SR 62). Bronze pieces (SR 64).

Shells : Ear stud (SR 67). Two shells (SR 66)

Bitumen-lined materials : Pieces.

Other :

Ceramics : Red, tempered ware. Buff ware (cup pieces).

THE RINGWALL

Length (external, upper part) : 505 cm **Width** : 25 36 cm

Max. Height : 64 cm of 3 courses. Interspaces contain small stones.

Stone size (wall face) in cm		(top of wall)		
Long x thick	Long x thick	L.	x W.	x thick cm
42 x 23	27 x 15			
42 x 28				

Filling between R.W. and grave : Earth, small stones and gravel.

Remarks ·

BURIAL — 135

Square D/B6 (Feature 10 & 9); D/C6 (4 & 3)

THE GRAVE CHAMBER

Orientation of grave chamber : 44° — NE (L-shaped).

Capstones : One I. (from East) L. 84 x W. 59 x thick 10 cm
II. cm III. cm IV. cm

Length : cm (N) **Height** (overall from bed rock) : 78 cm
cm (S) Chamber walls : 62 cm (S) 71
158 cm (middle) Projecting part : cm

Width : 87 cm (base) Projection from base : (N) cm (S) cm
cm (top)

Masonry : Northern wall. 6 courses, irregular.
Southern wall. courses, regular. (It is a R.W.)
Western wall. Built between long walls, irregular.
Broken, 54 cm high.
Interspaces contain nothing.

Stone size (Length is parallel to grave chamber)
Long walls of chamber Projecting upper part
(Long x thick) cm (L. x W. x thick) cm
29 x 13 15 x 16
27 x 15 19 x 5

Re-use of existing R.W. (ringwall) for chamber : R.W. on East.
Surface of B.R. (bed rock) : Secondary.

THE ALCOVE

Location : North wall **Re-use** of existing R.W. face : None

Capstone : L. 50 x W. 24 x thick 12 cm

Width (of mouth) : 34 cm **Length** : 30 cm **Height** (from B.R.) : 48 cm.

Remarks :

STRATIGRAPHY OF GRAVE CHAMBER*

Layer (1) below capstone level : Sand, 55 cm sloping down to B.R. on Western side.
Layer (2) : 5 - 7 cm thick intervening layer of earth and few stones sealing the floor level.
Floor level above B.R. : 16 18 cm thick hard earth.

CONTENTS OF GRAVE

Skeletal remains :

Stones: Steatite bowl with dot-in-circle design (SR 58).

Metals :

Shells :

Bitumen-lined materials :

Other :

Ceramics : Red 'Barbar' Ware. Buff ware.

THE RINGWALL

Length (external, upper part) : 506 cm **Width :** 20 42 cm.

Max. Height : 97 cm of 7 courses. Interspaces contain small stones.

Stone size (wall face) in cm			(top of wall)
Long x thick		Long x thick	L. 28 x W. 36 x thick 17 cm
42 x 13	13 x 5	15 x 9	L. 23 x W. 31 x thick 10 cm
35 x 20	43 x 26	21 x 11	L. 22 x W. 17 x thick 8 cm

Filling between R.W. and grave : Gravel and sand only. Uniform.

Remarks : * Disturbed stratigraphy.

BURIAL — 136

Square D/B6 (Feature 6 & 11)

THE GRAVE CHAMBER

Orientation of grave chamber : 50° — NE

Capstones : None I. (from East) L. x W. x thick cm.
II. cm III. cm IV. cm.

Length : 149 cm (N) **Height** (overall from bed rock) : 88 cm
137 cm (S) Chamber walls : 66 cm
cm (middle) Projecting part : 28 cm (S) 22

Width : 79 cm (base) Projection from base : (N) 20 cm (S) 16 cm
50 cm (top)

Masonry : Northern wall. 4 5 courses, regular.
Southern wall. 4 courses, irregular, partially.
Western wall. Built between long walls, irregular.
Interspaces contain nothing.

Stone size (Length is parallel to grave chamber)

Long walls of chamber (Long x thick) cm		Projecting upper part (L. x W. x thick) cm
48 x 25	32 x 24	42 x 46 x 14
39 x 17	28 x 11	29 x 59 x 15
23 x 11	23 x 13	

Re-use of existing R.W. (ringwall) for chamber : R.W. on East.
Surface of B.R. (bed rock) : Secondary.

THE ALCOVE

Location : South wall **Re-use** of existing R.W. face : on South.

Capstone : L. 39 x W. 36 x thick 6 cm.

Width (of mouth) : 33 cm **Length** : 43 cm **Height** (from B.R.) : 51 cm.

Remarks : The eastern side of alcove measures 36 cm long.

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : 66 cm thick sand.

Layer (2) : 18 20 cm thick earth and few stones.

Floor level above B.R. : up to 4 cm thick earth covering on the B.R.

CONTENTS OF GRAVE

Skeletal remains :

Stones :

Metals : Bronze rod (SR 45)

Shells : Ten (SR 257 & 249)

Bitumen-lined materials : Pieces only.

Other :

Ceramics : Few potsherds of red 'Barbar' Ware.

THE RINGWALL

Length (external, upper part) : 331 cm **Width** : 14 40 cm

Max. Height : 81 cm of 7 courses. Interspaces contain nothing.

Stone size (wall face) in cm		(top of wall)
Long x thick	Long x thick	L. 38 x W. 40 x thick 9 cm
14 x 12	30 x 8	
24 x 10		

Filling between R.W. and grave : space was too narrow to be of any significance.

Remarks :

BURIAL — 137

Square D/B6 (Feature 4 & 13)

THE GRAVE CHAMBER

Orientation of grave chamber : 42° — NE

Capstones : None I. (from East) L. x W. x thick cm
II. cm III. cm IV. cm

Length : cm (N) **Height** (overall from bed rock) : 91 cm
cm (S) Chamber walls : 64 cm (S) 69
141 cm (middle) Projecting part : 24 cm (S) 20

Width : 78 cm (base) Projection from base : (N) 19 cm (S) 6 cm
48 cm (top)

Masonry : Northern wall. 5 6 courses, irregular.
Southern wall. 4 courses, regular.
Western wall. Built between long walls, irregular.
Broken height 21 cm.
Interspaces contain small stones.

Stone size (Length is parallel to grave chamber)
Long walls of chamber Projecting upper part
(Long x thick) cm (L. x W. x thick) cm
17 x 5 30 x 19 42 x 65 x 16
44 x 21 27 x 12 21 x 42 x 14
28 x 13

Re-use of existing R.W. (ringwall) for chamber : R.W. on East.
Surface of B.R. (bed rock) : Secondary.

THE ALCOVE

Location : South wall **Re-use** of existing R.W. face : on South

Capstone : (fallen) L. x W. x thick cm

Width (of mouth) : 31 cm **Length** : 39 cm **Height** (from B.R.) : 57 cm

Remarks :

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : Sand, 60 cm.

Layer (2) : 25 cm thick earth and small stones with sandy streaks.

Floor level above B.R. : 5 6 cm thick earth.

CONTENTS OF GRAVE

Skeletal remains :

Stones : Steatite 'Dilmun' seal (SR 207)

Metals : Bronze ring (SR 39). Ear ring (SR 137).

Shells :

Bitumen-lined materials : Pieces.

Other :

Ceramics : Buff ware bowl (SR 222). Fragments of a wide-shouldered vase.

THE RINGWALL

Length (external, upper part) : 530 cm **Width :** 30 42 cm

Max. Height : 92 cm of 6 courses. Interspaces contain nothing.

Stone size (wall face) in cm		(top of wall)	
Long x thick	Long x thick	L. x W.	x thick cm
30 x 10	28 x 12		
52 x 31	32 x 10		

Filling between R.W. and grave : Space between the R.W. and grave was very narrow to identify differences in deposit.

Remarks :

BURIAL — 137 A

Square D/B6 (Feature 3); D/B7 (2 & 1)

THE GRAVE CHAMBER

Orientation of grave chamber : 50° — NE

Capstones : None I. (from East) L. x W. x thick cm
II. cm III. cm IV. cm

Length : cm (N) **Height** (overall from bed rock) : 91 cm
cm (S) Chamber walls : 66 cm (S) 82 R.W.
147 cm (middle) Projecting part : cm

Width : 76 cm (base) Projection from base : (N) cm (S) cm
cm (top)

Masonry : Northern wall. 4 - 5 courses, irregular.
Southern wall. courses, regular. (It is R.W.)
* Western wall. Built between long walls, irregular.
Broken, 45 cm high.
Interspaces contain nothing.

Stone size (Length is parallel to grave chamber)
Long walls of chamber Projecting upper part
(Long x thick) cm (L. x W. x thick) cm
(N) 28 x 24
38 x 15
18 x 16
17 x 12

Re-use of existing R.W. (ringwall) for chamber : Three Ringwalls; Two on East and one on South.
Surface of B.R. (bed rock) : Secondary.

THE ALCOVE**

Location : South wall **Re-use** of existing R.W. face : None

Capstone : L. 43 x W. 36 x thick 9 cm.

Width (of mouth) : 23 cm **Length :** 36 cm **Height** (from B.R.) : 53 cm

Remarks : * NW corner is broken.

** Built into the R.W. — a rare feature and also unique in the known Burial complex.

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : 56 cm thick sand.
Layer (2) : 22 cm earth and few stones.
Floor level above B.R. : Earth mixed with sand, 13 cm.

CONTENTS OF GRAVE

Skeletal remains :

Stones : 'Early' type 'Dilmun' seal of steatite (SR 211)

Metals :

Shells : Four (SR 231).

Bitumen-lined materials : Fragments of basket *in situ.*, at least 11 cm across.

Other :

Ceramics : Ridged Ware. Few buff sherds.

THE RINGWALL

Length (external, upper part) : 385 cm **Width :** 20 44 cm

Max. Height : 50 cm of 3 courses. Interspaces contain nothing.

Stone size (wall face) in cm		(top of wall)
Long x thick	Long x thick	L. 43 x W. 44 x thick 20 cm
23 x 12	68 x 27	L. 68 x W. 38 x thick 36 cm
25 x 21		

Filling between R.W. and grave : Uniform deposit of earth mixed with gravel and small stones.

Remarks :

BURIAL — 138

Square D/A7 (Feature 7 & 6)

THE GRAVE CHAMBER

Orientation of grave chamber : 40° — NE

Capstones : None I. (from East) L. x W. x thick cm
II. cm III. cm IV. cm

Length : cm (N) **Height** (overall from bed rock) : 86 cm
cm (S) Chamber walls : 78 cm (S) 68
163 cm (middle) Projecting part : cm

Width : 71 cm (base) Projection from base : (N) cm (S) cm
cm (top)

Masonry : Northern wall. 4 courses, irregular.
Southern wall. 5 6 courses, irregular.
Western wall. Built between long walls, irregular.
Interspaces contain nothing.

Stone size (Length is parallel to grave chamber)
Long walls of chamber Projecting upper part
(Long x thick) cm (L. x W. x thick) cm
56 x 49 55 x 30
31 x 13
25 x 14

Re-use of existing R.W. (ringwall) for chamber : R.W. on East.
Surface of B.R. (bed rock) : Secondary.

THE ALCOVE*

Location : North wall **Re-use** of existing R.W. face : None

Capstone : L. 49 x W. 56 x thick 22 cm

Width (of mouth) : 35 cm **Length** : 41 cm **Height** (from B.R.) : 56 cm.

Remarks : * The back face of alcove is curved.

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : Sand, 56 cm.

Layer (2) : Earth and small stones, 14 cm.

Floor level above B.R. : Earth and sand, 16 cm, not clearly defined.

CONTENTS OF GRAVE

Skeletal remains :

Stones :

Metals :

Shells :

Bitumen-lined materials :

Other :

Ceramics :

THE RINGWALL

Length (external, upper part) : 468 cm **Width** : 21 60 cm

Max. Height : 80 cm of 5 courses. Interspaces contain small stones.

Stone size (wall face) in cm		(top of wall)
Long x thick	Long x thick	L. 20 x W. 36 x thick 6 cm.
21 x 13	10 x 11	L. 22 x W. 40 x thick 7 cm.
58 x 35	47 x 27	

Filling between R.W. and grave : Uniform deposit of gravel and small stones.

Remarks :

BURIAL — 139

Square D/A7 (Feature 2 & 3)

THE GRAVE CHAMBER

Orientation of grave chamber : 50° — NE

Capstones : None I. (from East) L. x W. x thick cm
II. cm III. cm IV. cm

Length : 151 cm (N) **Height** (overall from bed rock) : 84 cm
148 cm (S) Chamber walls : 48 cm (S) 68
cm (middle) Projecting part : 34 cm (S) 15

Width : 74 cm (base) Projection from base : (N) 14 cm (S) 6 cm
56 cm (top)

Masonry : Northern wall. 2 3 courses, regular. Very large stones at lower level.
Southern wall. 9 courses, regular of small stones.
Western wall. Built between long walls, irregular. SW corner damaged, 29 cm
high.
Interspaces contain small stones.

Stone size (Length is parallel to grave chamber)

Long walls of chamber	Projecting upper part
(Long x thick) cm	(L. x W. x thick) cm
50 x 30	16 x 10
38 x 13	20 x 13
45 x 58	24 x 43 x 9

Re-use of existing R.W. (ringwall) for chamber : R.W. on East.
Surface of B.R. (bed rock) : Original

THE ALCOVE

Location : South wall **Re-use** of existing R.W. face : on South.

Capstone : L. 56 x W. 37 x thick 13 cm.

Width (of mouth) : 31 cm **Length** : 34 cm **Height** (from B.R.) : 57 cm

Remarks :

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : 60 cm thick sand.

Layer (2) : Loose brown earth mixed with sand and small stones, 20 cm thick.

Floor level above B.R. : 4 5 cm thick earth deposit.

CONTENTS OF GRAVE

Skeletal remains :

Stones : Steatite 'Dilmun' seal (SR 199). Bead (SR 4).

Metals :

Shells :

Bitumen-lined materials : Basket marked pieces (SR 263).

Other :

Ceramics :

THE RINGWALL

Length (external, upper part) : 359 cm **Width** : 18 50 cm

Max. Height : 64 cm of 4 courses. Interspaces contain nothing.

Stone size (wall face) in cm		(top of wall)
Long x thick	Long x thick	L. 60 x W. 50 x thick 18 cm
60 x 26	16 x 9	L. 63 x W. 37 x thick 31 cm
34 x 20 (W)	18 x 7 (N)	
	30 x 19	(W)

Filling between R.W. and grave : Uniform deposit of earth, gravel and few small stones.

Remarks : R.W. is built of semi-dressed stones on N. and W. On its western side large size stones are used. In the upper part masonry is irregular.

BURIAL — 141

Square D/B6 (Feature 5); D/C6 (2 & 1)

THE GRAVE CHAMBER

Orientation of grave chamber : 50° — NE

Capstones : None I. (from East) L. x W. x thick cm
II. cm III. cm IV. cm

Length : cm (N) **Height** (overall from bed rock) : 65 cm
cm (S) Chamber walls : 50 cm (S) 62
145 cm (middle) Projecting part : cm

Width : 81 cm (base) Projection from base : (N) cm (S) cm
cm (top)

Masonry : Northern wall. 3 courses, regular.
Southern wall. 4 courses, regular.
Western wall. Built beside Ringwall, irregular.
Interspaces contain nothing.

Stone size (Length is parallel to grave chamber)
Long walls of chamber Projecting upper part
(Long x thick) cm (L. x W. x thick) cm
21 x 5 18 x 11
24 x 14 35 x 19
21 x 13

Re-use of existing R.W. (ringwall) for chamber : R.W. on East.
Surface of B.R. (bed rock) : Secondary.

THE ALCOVE

Location : North wall **Re-use** of existing R.W. face : None.

Capstone : (Fallen down) L. x W. x thick cm

Width (of mouth) : 43 cm **Length** : 38(E), 44(W) cm **Height** (from B.R.) : 53 cm.

Remarks :

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : 54 cm thick sand.

Layer (2) : Usual earth and stone deposit did not exist.

Floor level above B.R. : Earth and sand, 11 cm thick above B.R.

CONTENTS OF GRAVE

Skeletal remains :

Stones :

Metals : Bronze (finger ?) ring (SR 307).

Shells :

Bitumen-lined materials : Pieces

Other :

Ceramics : Red 'Barbar' Ware.

THE RINGWALL

Length (external, upper part) : 570 cm **Width** : 25 37 cm

Max. Height : 56 cm of 4 courses. Interspaces contain small stones.

Stone size (wall face) in cm		(top of wall)	
Long x thick	Long x thick	L. 25 x	W. 17 x thick 28 cm
31 x 17	28 x 21	20 x 15	
43 x 20	40 x 16		

Filling between R.W. and grave : Uniform deposit of gravel mixed with few small stones.

Remarks :

BURIAL — 142

Square D/B7 (Feature 4 & 3)

THE GRAVE CHAMBER

Orientation of grave chamber : 44° — NE

Capstones : None I. (from East) L. x W. x thick cm
II. cm III. cm IV. cm

Length : cm (N) **Height** (overall from bed rock) : 60 cm
cm (S) Chamber walls : 50 cm (S) 60
93 cm (middle) Projecting part : cm

Width : 64 cm (base) Projection from base : (N) cm (S) cm
cm (top)

Masonry : Northern wall. 3 courses, regular. Large stones at base.
Southern wall. 3 courses, regular.
Western wall. Built beside Ringwall, irregular.
Interspaces contain nothing.

Stone size (Length is parallel to grave chamber)
Long walls of chamber Projecting upper part
(Long x thick) cm (L. x W. x thick) cm
58 x 30
32 x 23
26 x 10

Re-use of existing R.W. (ringwall) for chamber : R.W. on East.
Surface of B.R. (bed rock) : Secondary.

THE ALCOVE

Location : No alcove **Re-use** of existing R.W. face :

Capstone : L. x W. x thick cm

Width (of mouth): cm **Length** : cm **Height** (from B.R.) : cm.

Remarks :

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : 54 cm. thick sand.

Layer (2) : None.

Floor level above B.R. : Not recognizable clearly. 6 cm thick earth and stone above B.R.

CONTENTS OF GRAVE

Skeletal remains :

Stones :

Metals : Bronze nail (SR 306).

Shells :

Bitumen-lined materials :

Other :

Ceramics :

THE RINGWALL

Length (external, upper part) : 310 cm **Width** : 31 - 42 cm

Max. Height : 39 cm of 3 courses. Interspaces contain nothing.

Stone size (wall face) in cm		(top of wall)
Long x thick	Long x thick	L. 37 x W. 40 x thick 17 cm
49 x 21		
37 x 14		

Filling between R.W. and grave : Sand and gravel. Uniform.

Remarks :

BURIAL — 143 (Tumulus)

Square D/E3 (Feature 9 & 8); D/F3 (1 & 2); D/F4 (1 & 2); D/E4 (8)

THE GRAVE CHAMBER

Orientation of grave chamber : 60° — NE (L-shaped)

Capstones : One* I. (from East) L. 73 x W. 28 53 x thick 18 cm
II. cm III. cm IV. cm

Length : cm (N) **Height** (overall from bed rock) : 102 cm
cm (S) Chamber walls : 87 cm (S) 96
193 cm (middle) Projecting part : cm

Width : 85 cm (base) Projection from base : (N) cm (S) cm
cm (top)

Masonry : Northern wall. 2 3 courses, regular. Large sized
stones used on North, South and East sides.
Southern wall. 3 courses, regular.
Western wall. Built between long walls, regular. 50 cm high.
Interspaces contain small stones.

Stone size (Length is parallel to grave chamber)
Long walls of chamber Projecting upper part
(Long x thick) cm (L x W x thick) cm
61 x 35 50 x 20
36 x 17 55 x 40
44 x 28 71 x 41

Re-use of existing R.W. (ringwall) for chamber : None.
Surface of B.R. (bed rock) : Secondary.

THE ALCOVE

Location : North wall **Re-use** of existing R.W. face : None.

Capstone : Cracked & fallen. L. x W. x thick cm

Width (of mouth) : 45 cm **Length** : 43 cm **Height** (from B.R.) : 80 cm.

Remarks : * Found to be fallen into the grave at Eastern end suggesting that this burial did
have capstones. Robbed completely.

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : Sand, 50 cm.

Layer (2) : Loose brown earth and clayish streaks (water laid), 32 cm thick.

Floor level above B.R. : Hard earth and few stones, 20 cm.

CONTENTS OF GRAVE

Skeletal remains :

Stones :

Metals : Bronze ear ring (SR 280).

Bronze pieces (SR 281).

Shells :

Bitumen-lined materials :

Other :

Ceramics : Red 'Barbar' Ware

THE RINGWALL

Length (external, upper part) : 11.50m* **Width** : 24 54 cm

Max. Height : 74 cm of 5 courses. Interspaces contain nothing.

Stone size (wall face) in cm				(top of wall)
Long x thick	Long x thick	Long x thick	Long x thick	L. 36 x W. 43 x thick 15 cm
34 x 35	52 x 18	35 x 6	26 x 21	L. 36 x W. 48 x thick 35 cm**
36 x 16	25 x 9	27 x 17	35 x 41	
38 x 38	50 x 12	32 x 11		

Filling between R.W. and grave : Gravel and many stones. 32 - 63 cm thick sealing the R.W. and grave.

Remarks : * Extenal diameter 3.60 M.

* (top of wall continued)

L. 58 x W. 53 x thick 20 cm.

L. 56 x W. 40 x thick 21 cm.

L. 30 x W. 24 x thick 20 cm.

BURIAL — 144 (Tumulus)

Square D/F4 (Feature 4 & 3); D/G4 (1 & 2); D/F5 (6); D/G5 (1).

THE GRAVE CHAMBER

Orientation of grave chamber : 56° — NE (L-shaped)

Capstones : None I. (from East) L. x W. x thick cm
II. cm III. cm IV. cm

Length : cm (N) **Height** (overall from bed rock) : 75 cm
cm (S) Chamber walls : 73 cm (S) 53
160 cm (middle) Projecting part : cm (S)

Width : 80 cm (base) Projection from base : (N) cm (S) cm
cm (top)

Masonry : Northern wall. 4 courses, regular. Semi-dressed, & rough stones.
Southern wall. 3 courses, regular.
Western wall. Built between long walls, irregular.
Interspaces contain nothing.

Stone size (Length is parallel to grave chamber)
Long walls of chamber Projecting upper part
(Long x thick) cm (L. x W. x thick) cm
48 x 17 44 x 12
35 x 34
37 x 15

Re-use of existing R.W. (ringwall) for chamber : None.
Surface of B.R. (bed rock) : Secondary.

THE ALCOVE

Location : South wall **Re-use** of existing R.W. face : None.

Capstone : None L. x W. x thick cm

Width (of mouth) : 42 cm **Length** : 49 cm **Height** (from B.R.) : 70 cm.

Remarks :

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : Sand, 49 cm.

Layer (2) : Loose earth, few small stones, 16 cm.

Floor level above B.R. : Hard earth mixed with gravel, 10 cm.

CONTENTS OF GRAVE

Skeletal remains :

Stones : Seven beads (SR 140 145 and SR 147).

Metals : Bronze earrings (SR 148) and pieces (SR 146).

Shells : One.

Bitumen-lined materials : Pieces.

Other :

Ceramics : Pale buff pieces of cup.

THE RINGWALL

Length (external, upper part) : 12.55 cm* **Width** : 24 52 cm

Max. Height : 58 cm of 3 courses. Interspaces contain nothing.

Stone size (wall face) in cm		(top of wall)
Long x thick	Long x thick	L. 54 x W. 35 x thick 36 - 16 cm
19 x 14	36 x 24	L. 48 x W. 27 x thick 20 cm
44 x 34	27 x 9	L. 37 x W. 37 x thick 19 cm
45 x 24	39 x 19	

Filling between R.W. and grave : Lot of gravel, small stones mixed with earth.

Remarks : The distance between the R.W. and outer edge of grave is :
(E) 40 cm; (N) 70 cm and (NW) 100 cm.

* External diameter 4 - 4.25 metres.

BURIAL — 145 (Tumulus)

Square D/E5 (Feature 1 & 2); D/F5 (4 — 5 & 1); D/E6 (1); D/F6 (1).

THE GRAVE CHAMBER

Orientation of grave chamber : 66° — E NE

Capstones : None I. (from East) L. x W. x thick cm
II. cm III. cm IV. cm

Length : cm (N) **Height** (overall from bed rock) : 83 cm
cm (S) Chamber walls : 80 cm
*122 cm (middle) Projecting part : cm

Width : 79 cm (base) Projection from base : (N) cm (S) cm
cm (top)

Masonry : Northern wall. 4 courses, regular.
Southern wall. 6 courses, regular.
Western wall. Built between long walls, regular. (see remarks below).
Interspaces contain nothing.

Stone size (Length is parallel to grave chamber)
Long walls of chamber Projecting upper part
(Long x thick) cm (L. x W. x thick) cm
37 x 19 38 x 18
48 x 15
55 x 28
37 x 33

Re-use of existing R.W. (ringwall) for chamber : None.
Surface of B.R. (bed rock) : Secondary.

THE ALCOVE

Location : No alcove **Re-use** of existing R.W. face :

Capstone : L. x W. x thick cm

Width (of mouth): cm **Length** : cm **Height** (from B.R.) : cm.

Remarks : * Overall measurements with partition wall are : 232(N) and 252(S) long x 74(E) and 90(W) cm wide. The partition wall is 33 cm wide, separating western end of the burial chamber; 96 cm square internally.

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : 44 cm, sand.
Layer (2) : Loose earth and sandy soil, 33 cm thick.
Floor level above B.R. : 5 6 cm thick earth.

CONTENTS OF GRAVE

Skeletal remains : Pieces only.

Stones :

Metals :

Shells :

Bitumen-lined materials :

Other :

Ceramics : Red 'Barbar' Ware (SR 56). Buff slipped red ware (SR 220).

THE RINGWALL*

Length (external, upper part) : 16.50 m** **Width :** 20 42 cm

Max. Height : 63 cm of 4 courses. Interspaces contain nothing.

Stone size (wall face) in cm				(top of wall)	
Long x thick		Long x thick		L.	W. x thick
32 x 19	34 x 20	18 x 15	39 x 24	L. 24 x	W. 23 x thick 17 cm
27 x 15	39 x 9	16 x 20	47 x 17	L. 32 x	W. 41 x thick 14 cm
43 x 12	25 x 8	50 x 25		L. 38 x	W. 40 x thick 10 cm
				L. 34 x	W. 27 x thick 11 cm
				L. 54 x	W. 40 x thick 10 cm
				L. 46 x	W. 34 x thick 13 cm

Filling between R.W. and grave : Hard compact earth and gravel.

Remarks : * This description also applies to Burial 145A enclosed by the same R.W.

** External diameter 5.13 — 5.40 metres.

BURIAL — 145 A (Tumulus)

Square D/F5 (Feature 2 — 3 & 1); D/E5 (2); D/E6 (1); D/F6 (1).

THE GRAVE CHAMBER

Orientation of grave chamber : 62° — E NE

Capstones : None I. (from East) L. x W. x thick cm
II. cm III. cm IV. cm

Length : cm (N) **Height** (overall from bed rock) : 90 cm
cm (S) Chamber walls : 83 cm (S) 91
*146 cm (middle) Projecting part : cm

Width : 77 cm (base) Projection from base : (N) cm (S) cm
cm (top)

Masonry : Northern wall. 4 courses, regular.
Southern wall. 4 courses, regular.
Western wall. Built between long walls, regular.
face towards the burial chamber.
Interspaces contain small stones.

Stone size (Length is parallel to grave chamber)
Long walls of chamber Projecting upper part
(Long x thick) cm (L. x W. x thick) cm
26 x 17 24 x 28
40 x 17 42 x 21
27 x 10

Re-use of existing R.W. (ringwall) for chamber : None.
Surface of B.R. (bed rock) : Secondary.

THE ALCOVE

Location : No alcove **Re-use** of existing R.W. face :

Capstone : L. x W. x thick cm

Width (of mouth) : cm **Length** : cm **Height** (from B.R.) : cm.

Remarks : * The burial chamber when originally built measured 260(N) and 252(S) long x 61(E) and 75(W) cm wide. A partition wall of single stones, 42 cm wide divides the western end 87 x 78 cm from the burial chamber. The western part did not contain anything except filling of sterile earth.

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : Sand, 70 cm.

Layer (2) : 15 - 20 cm deposit of loose earth which actually constituted filling of floor level because human bones were found on top of this deposit, sealed by sand.

CONTENTS OF GRAVE

Skeletal remains : One skull and pieces.

Stones : Four beads (SR 123 126).

Metals :

Shells :

Bitumen-lined materials :

Other :

Ceramics :

THE RINGWALL (*see Burial 145*)

Length (external, upper part) : cm **Width :** cm

Max. Height : cm of courses. Interspaces contain small stones.

Stone size (wall face) in cm		(top of wall)	
Long x thick	Long x thick	L. x W.	x thick cm

Filling between R.W. and grave :

Remarks :

BURIAL — 146 (Tumulus)

Square D/G3 (Feature 3 & 2)

THE GRAVE CHAMBER

Orientation of grave chamber : 60° — NE (L-shaped)

Capstones : None I. (from East) L. x W. x thick cm
II. cm III. cm IV. cm

Length : cm (N) **Height** (overall from bed rock) : 83 cm
cm (S) Chamber walls : 67 cm (S) 81
175 cm (middle) Projecting part : cm (S)

Width : 79 cm (base) Projection from base : (N) cm (S) cm
cm (top)

Masonry : Northern wall. 8 courses, regular. (Elongated in shape).

Southern wall. 8 courses, regular.

Western wall. Built between long walls, regular. 30 cm wide & 35 cm high.

Interspaces contain nothing.

Stone size (Length is parallel to grave chamber)

Long walls of chamber			(Long x thick) cm	
(N) 25 x 12	(S) 39 x 14	29 x 6	(E) 32 x 14	(W) 19 x 9
17 x 8	32 x 11		28 x 12	18 x 7
27 x 11	38 x 18		31 x 16	15 x 9
	45 x 13			

Re-use of existing R.W. (ringwall) for chamber : None.

Surface of B.R. (bed rock) : Secondary.

THE ALCOVE (*curved back*)

Location : North wall **Re-use** of existing R.W. face : None.

Capstone : None L. x W. x thick cm

Width (of mouth) : 50 cm **Length** : 58 cm **Height** (from B.R.) : 76 cm.

Remarks :

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : 50 cm thick sand.
Layer (2) : Loose earth, 13 - 18 cm.
Floor level above B.R. : 15 - 20 cm earth mixed with gravel.

CONTENTS OF GRAVE

Skeletal remains : Few bones in poor condition.
Stones :
Metals :
Shells :
Bitumen-lined materials : Bitumen under a human bone.
Other :
Ceramics :

THE RINGWALL

Length (external, upper part) : 12 90 m* **Width :** 30 40 cm

Max. Height : 66 cm of 3 courses. Interspaces contain nothing.

Stone size (wall face) in cm		(top of wall)
Long x thick	Long x thick	L. 57 x W. 40 x thick 21 cm
		L. 41 x W. 39 x thick 16 cm
		L. 40 x W. 35 x thick 21 27 cm

Filling between R.W. and grave : 84 cm thick deposit containing earth, gravel and small stone. Uniform.

Remarks : * External diameter 3.43 4 metres.

BURIAL — 147

Square D/G2 (Feature 10 & 11)

THE GRAVE CHAMBER (*T-shaped*).

Orientation of grave chamber : 56° — NE & 322° — NW

Capstones : None I. (from East) L. x W. x thick cm
II. cm III. cm IV. cm

Length : * 180 cm (N) **Height** (overall from bed rock) : 90 cm**
224 cm (S) Chamber walls : 76 cm (S) 62
cm (middle) Projecting part : cm

Width : 73 cm (base) Projection from base : (N) cm (S) cm
cm (top)

Masonry : Northern wall. 5 courses, regular. (N S part)
Southern wall. 5 6 courses, irregular. (E W part)
Western wall. Built between long walls, irregular.
(To make West side at right-angle. All broken).
Interspaces contain nothing.

Stone size (Length is parallel to grave chamber)
Long walls of chamber Projecting upper part
(Long x thick) cm (L. x W. x thick) cm
(N-S 20 x 16 58 x 20 (E-W 29 x 4
part 23 x 7 part 21 x 18
45 x 11 22 x 11
15 x 10

Re-use of existing R.W. (ringwall) for chamber : Two R.W. on East and West.
Surface of B.R. (bed rock) : Secondary.

THE ALCOVE

Location : No alcove **Re-use** of existing R.W. face :

Capstone : L. x W. x thick cm

Width (of mouth) : cm **Length** : cm **Height** (from B.R.) : cm.

Remarks : * and 200 cm N - S x 67 cm wide.
** The Southern part is 62 cm high which is in EW direction.

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : 50 cm thick sand.

Layer (2) : Loose earth and small stones, 35 cm

Floor level above B.R. : Hard, rammed floor of earth in Northern part, 5 cm.

CONTENTS OF GRAVE

Skeletal remains :

Stones :

Metals :

Shells : One

Bitumen-lined materials : Pieces.

Other :

Ceramics : Bowl of red ware (SR 269). Narrow necked painted vase (SR 273). Red 'Barbar' Ware.

THE RINGWALL

Length (external, upper part) : 360 cm **Width** : 25 42 cm

Max. Height : 51 cm of 3 courses. Interspaces contain nothing.

Stone size (wall face) in cm		(top of wall)
Long x thick	Long x thick	L. 61 x W. 40 x thick 22 cm
56 x 30	26 x 16	

Filling between R.W. and grave : Uniform deposit of earth and few stones.

Remarks :

BURIAL — 148

Square D/I 2 (Feature 2 & 1)

THE GRAVE CHAMBER

Orientation of grave chamber : 48° — NE

Capstones : None I. (from East) L. x W. x thick cm
II. cm III. cm IV. cm

Length : cm (N) **Height** (overall from bed rock) : 46 cm
cm (S) Chamber walls : 33 - 45 cm (S) 36 - 41
130 cm (middle) Projecting part : cm

Width : 75 cm (base) Projection from base : (N) cm (S) cm
cm (top)

Masonry : Northern wall. 3 courses, regular.
Southern wall. 4 courses, regular.
Western wall. Built between long walls, irregular.
Interspaces contain nothing.

Stone size (Length is parallel to grave chamber)
Long walls of chamber Projecting upper part
(Long x thick) cm (L. x W. x thick) cm
67 x 14 18 x 13
45 x 15 20 x 3
14 x 12 17 x 9

Re-use of existing R.W. (ringwall) for chamber : None.
Surface of B.R. (bed rock) : Secondary.

THE ALCOVE

Location : No alcove **Re-use** of existing R.W. face :

Capstone : L. x W. x thick cm

Width (of mouth) : cm **Length** : cm **Height** (from B.R.) : cm.

Remarks :

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : Sand, 10 cm.

Layer (2) : Loose earth and small stones, 30 cm.

Floor level above B.R. : Hard earth, 6 cm.

CONTENTS OF GRAVE

Skeletal remains :

Stones :

Metals : Bronze knife with tang (SR 283).

Shells :

Bitumen-lined materials :

Other :

Ceramics : Red 'Barbar' Ware.

THE RINGWALL *

Length (external, upper part) : 410 cm **Width** : 13 - 41 cm

Max. Height : 33 cm of 2 courses. Interspaces contain nothing.

Stone size (wall face) in cm		(top of wall)	
Long x thick	Long x thick	L.	x W. x thick cm
37 x 4	21 x 10		
25 x 7			

Filling between R.W. and grave : Uniform deposit of earth and gravel sealed by sand.

Remarks : On NE the high level of B.R. has been used to become part of grave and the R.W.

* R.W. Broken.

BURIAL — 149

Square D/I 2 (Feature 4 & 3); D/I 1 (6)

THE GRAVE CHAMBER

Orientation of grave chamber : 58° — NE

Capstones : I. (from East) L. x W. x thick cm
II. cm III. cm IV. cm

Length : cm (N) **Height** (overall from bed rock) : 45 cm
cm (S) Chamber walls : 34 cm (S) 42
112 cm (middle) Projecting part : cm

Width : 81 cm (base) Projection from base : (N) cm (S) cm
cm (top) ' .

Masonry : Northern wall. 2 courses, regular.
Southern wall. 3 courses, regular.
Western wall. Built with long walls, regular.
Interspaces contain nothing.

Stone size (Length is parallel to grave chamber)
Long walls of chamber Projecting upper part
(Long x thick) cm (L. x W. x thick) cm
24 x 13
59 x 10
36 x 19

Re-use of existing R.W. (ringwall) for chamber : R.W. on South.
Surface of B.R. (bed rock) : Original.

THE ALCOVE

Location : No alcove **Re-use** of existing R.W. face :

Capstone : L. x W. x thick cm

Width (of mouth) : cm **Length :** cm **Height** (from B.R.) : cm.

Remarks :

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : 10 15 cm thick sand.

Layer (2) : 20 - 30 cm thick earth and small stones.

Floor level above B.R. : Not well defined.

CONTENTS OF GRAVE

Skeletal remains :

Stones :

Metals :

Shells :

Bitumen-lined materials :

Other :

Ceramics :

THE RINGWALL

Length (external, upper part) : 490 cm **Width** : 20 34 cm

Max. Height : 38 cm of 2 courses. Interspaces contain nothing.

Stone size (wall face) in cm			(top of wall)		
Long x thick		Long x thick	L.	x W.	x thick cm
36 x 15	40 x 30	28 x 5			
30 x 13	24 x 10	24 x 30			

Filling between R.W. and grave : Uniform deposit of earth and gravel sealed by sand.

Remarks : R.W. is broken.

BURIAL — 149 A

Square D/I 2 (Feature 7); D/J2 (6); D/J1 (5 & 6)

THE GRAVE CHAMBER

Orientation of grave chamber : 60° — NE

Capstones : None I. (from East) L. x W. x thick cm
II. cm III. cm IV. cm

Length : cm (N) **Height** (overall from bed rock) : 60W, 40E cm
cm (S) Chamber walls : 43 cm
108 cm (middle) Projecting part : cm

Width : 70 cm (base) Projection from base : (N) cm (S) cm
cm (top)

Masonry : Northern wall. 3 courses, regular.
Southern wall. 3 courses, regular.
Western wall. Built beside Ringwall, irregular.
Interspaces contain nothing.

Stone size (Length is parallel to grave chamber)
Long walls of chamber Projecting upper part
(Long x thick) cm (L. x W. x thick) cm
34 x 16 40 x 15
53 x 21
23 x 15

Re-use of existing R.W. (ringwall) for chamber : None.
Surface of B.R. (bed rock) : Original*

THE ALCOVE

Location : No alcove **Re-use** of existing R.W. face :

Capstone : L. x W. x thick cm

Width (of mouth) : cm **Length** : cm **Height** (from B.R.) : cm.

Remarks : * Uneven surface of the B.R. It slopes towards west where the surviving height of chamber wall is maximum.

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : Thin deposit of sand, 18 cm.

Layer (2) : 40 - 42 cm hard earth with gravel.

Floor level above B.R. : Not recognizable except with the presence of a pottery vase.

CONTENTS OF GRAVE

Skeletal remains :

Stones :

Metals :

Shells :

Bitumen-lined materials :

Other :

Ceramics : Pear-shaped pale red vase (SR 54).

THE RINGWALL

Length (external, upper part) : 540 cm **Width** : 15 32 cm

Max. Height : 43 cm of 2 courses. Interspaces contain nothing.

Stone size (wall face) in cm		(top of wall)	
Long x thick	Long x thick	L. x W.	x thick cm
30 x 8			
30 x 8	48 x 23		
31 x 15	18 x 17		

Filling between R.W. and grave : Gravel mixed with small stones. Uniform.

Remarks :

BURIAL — 150 (Tumulus)

Square D/H4 (Feature 1 — 4 & 3); D/I 4 (1 & 3)

THE GRAVE CHAMBER

Orientation of grave chamber : 68° — E NE (L-shaped)

Capstones : None I. (from East) L. x W. x thick cm
II. cm III. cm IV. cm

Length : cm (N) **Height** (overall from bed rock) : 115 cm
cm (S) Chamber walls : (N) 100 - 115 cm (S) 62
385 cm (middle) Projecting part : cm

Width : 85 cm (base) Projection from base : (N) cm (S) cm
cm (top)

Masonry : Northern wall. 4 courses, regular. (Mostly lime plastered).
Southern wall. 3 courses, regular.
Western wall. Extended part, irregular but plastered.
Interspaces contain very few small stones.

Stone size* (Length is parallel to grave chamber)

Long walls of chamber (Long x thick) cm		Projecting upper part (L. x W. x thick) cm
52 x 31	54 x 25	
61 x 24	50 x 24	
51 x 33	43 x 30	

Re-use of existing R.W. (ringwall) for chamber : None
Surface of B.R. (bed rock) : Original and plastered**

THE ALCOVE

Location : South wall **Re-use** of existing R.W. face : None.

Capstone : None L. x W. x thick cm

Width (of mouth) : 47 cm **Length** : 35 cm **Height** (from B.R.) : 73 cm.

Remarks : * Large sized stones with regular dressed face and interspaced with a few elongated stones are used in 3/4 eastern part of the chamber. Lime plastered floor and walls in the western part, even over the extended western part.

** The grave is on original surface but its R.W. is built on secondary surface.

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : 50 60 cm.

Layer (2) : Earth, 55 cm.

Floor level above B.R. : Lime plastered except in the eastern part over the B.R. surface.

CONTENTS OF GRAVE

Skeletal remains : Crania of 15 individuals, post cranial remains and teeth. Jaws of animals.

Stones :

Metals : Bronze earrings (SR 171 and SR 287); wire (SR 282 and pieces (SR 295).

Shells : Two (SR 299); tubular (SR 274) and couch shells (SR 170 and SR 232).

Bitumen-lined materials : Pieces.

Other : Paste bead (SR 169). Carbonized wood.

Ceramics : (Mostly Kassite pottery mixed with very few 'Barbar' red Ware.) Elongated jars, buff/cream slipped; buff and red wares with incised lines (SR 32, SR 165, SR 168, SR 172 and SR 177). Fragments of buff and red wares (SR 164, SR 167, SR 168, SR 172, SR 174, SR 175 and (SR 176.) Cups and bowls (SR 163, SR 166 and SR 173).

THE RINGWALL

Length (external, upper part) : 25.30 m* **Width :** 36 58 65 cm

Max. Height : 62W, 80SE, 100NE cm of 2 - 3 courses. Interspaces contain nothing.

Stone size (wall face) in cm			(top of wall)	
Long x thick		Long x thick	L. 74 x W. 61 x	thick 58 cm
48 x 27	67 x 28	74 x 50	L. 67 x W. 62 x	thick 35 cm**
38 x 21	71 x 27			

Filling between R.W. and grave : Two deposits :

Upper, 83 cm consisted of small stones (whitish), gravel associated with grave and R.W.

The **Lower** deposit, 30 cm of different sizes of stone and brown earth was associated with the grave but sharply sloped towards (not reaching up to) the R.W. This early (first) filling was uniformly sealed by the 'upper' deposit.

* External diameter 8 8.16 M.

** Top of wall continued :

73 x 59 x 46; 51 x 63 x 43 and 58 x 44 x 37.

BURIAL — 150 A (Tumulus)

Square D/H4 (Feature 2 & 3); D/H5 (2 & 1)

THE GRAVE CHAMBER

Orientation of grave chamber : 60° — E NE (L-shaped)

Capstones : None I. (from East) L. x W. x thick cm
 II. cm III. cm IV. cm

Length : cm (N) **Height** (overall from bed rock) : 130 cm
 cm (S) Chamber walls : 122 cm
 292 cm (middle) Projecting part : cm

Width : 99 cm (base) Projection from base : (N) cm (S) cm
 cm (top)

Masonry : Northern wall. 3 courses, regular. Regular courses on East also.
 Southern wall. 4 courses, regular. All dressed stones.
 Western wall. Built between long walls, irregular.
 Interspaces contain small stones. Traces of lime plaster exist on the walls.

Stone size (Length is parallel to grave chamber)
 Long walls of chamber* (*see below also*)
 (Long x thick) cm

South	(Top course)	61 x 58 x 30	56 x 50 x 25	35 x 52 x 27.
Wall	(Second from top)	88 x 34;	81 x 31	
	(Third from top)	35 x 29;	47 x 32;	57 x 26;
	(Bottom)	43 x 25;	43 x 32;	37 x 26
				54 x 34

Re-use of existing R.W. (ringwall) for chamber : None
 Surface of B.R. (bed rock) : Secondary.

THE ALCOVE

Location : North wall **Re-use** of existing R.W. face : None

Capstone : L. 72 x W. 46 x thick 32 cm

Width (of mouth) : 54 cm **Length** : 49 cm **Height** (from B.R.) 91 cm

Remarks :

* North	(Top course)	74 x 36;	52 x 33;	47 x 35.
Wall	(Middle)	42 x 45;	50 x 39;	49 x 29;
	(Bottom)	73 x 40;	66 x 41;	58 x 34
East Wall		61 x 27;	49 x 33	55 x 30

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : No sand.

Layer (2) : 110 118 cm deposit of earth, containing finds at different levels.

Floor level above B.R. : Regular floor of hard, compact earth, 12 cm thick.

CONTENTS OF GRAVE

Skeletal remains :

Stones : 'Early' type of seal (SR 197). Five beads (SR 150, 151, 157 159).

Metals : Bronze finger ring (SR 153); pieces of ring (SR 155) and pieces (SR 154).

Shells : Fluted bead (SR 152).

Bitumen-lined materials :

Other : Terracotta disc shaped rattle (?) (SR 160).

Ceramics : ('Barbar' and Kassite). Red 'Barbar' Ware. Painted with dark brown chocolate colour (animal design) on buff slip (SR 156). Light red cream slipped potsherds. Mostly buff cream slipped red ware and multiple incised lines.

THE RINGWALL (*see under Burial 150*)

Length (external, upper part) : cm **Width :** cm

Max. Height : cm of courses. Interspaces contain small stones.

Stone size (wall face) in cm		(top of wall)	
Long x thick	Long x thick	L. x W.	x thick cm

Filling between R.W. and grave :

Remarks :

BURIAL — 150 B (Tumulus)

Square D/I 4 (Feature 2 & 3)

THE GRAVE CHAMBER

Orientation of grave chamber : 56° — NE

Capstones : None I. (from East) L. x W. x thick cm
II. cm III. cm IV. cm

Length : cm (N) **Height** (overall from bed rock) : 104 cm
cm (S) Chamber walls : 54 cm (S) 41
*178 cm (middle) Projecting part : cm

Width : 85 cm (base) Projection from base : (N) cm (S) cm
cm (top)

Masonry : Northern wall. 4 5 courses, regular.
Southern wall. 3 courses. Face broken.
Western wall. Built with long walls, Broken.
Interspaces contain nothing.

Stone size (Length is parallel to grave chamber)
Long walls of chamber Projecting upper part
(Long x thick) cm (L. x W. x thick) cm
41 x 20
24 x 8
33 x 15
28 x 15
36 x 14

Re-use of existing R.W. (ringwall) for chamber : None
Surface of B.R. (bed rock) : Original

THE ALCOVE

Location : No alcove **Re-use** of existing R.W. face :

Capstone : L. X W. x thick cm

Width (of mouth) : cm **Length** : cm **Height** (from B.R.) : cm

Remarks : * Original length not known because of damaged Western wall.

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : Below a thin layer of wind blown sand, 45 cm thick earth sealed the floor below. The floor level occurred over a thick deposit of gravel on which walls were built at a higher level.

Layer (2) :

Floor level above B.R. :

CONTENTS OF GRAVE

Skeletal remains : Four skulls in good condition.

Stones : Beads (SR 161).

Metals : Bronze ring (SR 162).

Shells :

Bitumen-lined materials :

Other :

Ceramics :

THE RINGWALL *(See under Burial 150)*

Length (external, upper part) : cm **Width :** cm

Max. Height : cm of courses. Interspaces contain small stones.

Stone size (wall face) in cm		(top of wall)	
Long x thick	Long x thick	L. x W.	x thick cm

Filling between R.W. and grave :

Remarks :

BURIAL — 151 (Tumulus)

Square D/K2 (Feature 3 & 5); D/K3 (3 & 2)

THE GRAVE CHAMBER

Orientation of grave chamber : 52° — NE

Capstones : None I. (from East) L. x W. x thick cm
II. cm III. cm IV. cm

Length : cm (N) **Height** (overall from bed rock) : 63 cm
cm (S) Chamber walls : 51 cm (S) 63
164 cm (middle) Projecting part : cm

Width : 81 cm (base) Projection from base : (N) Fallen cm (S) 5 cm
cm (top)

Masonry : Northern wall. 4 courses, regular.
Southern wall. 3 courses, regular.
Western wall. Built between long walls, regular.
Interspaces contain nothing.

Stone size (Length is parallel to grave chamber)

Long walls of chamber (Long x thick) cm		Projecting upper part (L. x W. x thick) cm
20 x 9	19 x 10	25 x 19 x 10
20 x 14	28 x 9	35 x 18 x 12
		44 x 27 x 15
		35 x 20 x 20

Re-use of existing R.W. (ringwall) for chamber : None
Surface of B.R. (bed rock) : Original*

THE ALCOVE

Location : No alcove **Re-use** of existing R.W. face :

Capstone : L. X W. x thick cm

Width (of mouth) : cm **Length** : cm **Height** (from B.R.) : cm

Remarks : * All graves (Burials 151, 151A, 151B, 151C) enclosed by the R.W. are built on original surface. The R.W. of this tumulus is partially on the secondary surface on NW.

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : Sand, 40 cm.

Layer (2) : Loose earth and gravel 20 - 23 cm.

Floor level above B.R. : Not recognizable/well defined.

CONTENTS OF GRAVE

Skeletal remains :

Stones :

Metals :

Shells :

Bitumen-lined materials :

Other :

Ceramics :

THE RINGWALL

Length (external, upper part) : 21.25 m* **Width** : 24 58 cm

Max. Height : 76 cm of 4 courses. Interspaces contain nothing.

Stone size (wall face) in cm		(top of wall)	
Long x thick	Long x thick	L. 53 x W. 37 x thick 13 cm	
37 x 15	35 x 26	L. 42 x W. 45 x thick 23 cm	
27 x 22	42 x 30	L. 28 x W. 36 x thick 19 cm**	

Filling between R.W. and grave : Many stones, gravel and earth. Uniform deposit.

Remarks :* External diameter 6.70 M

** top of wall continued :

L. 15 x W. 33 x thick 6 cm
L. 60 x W. 40 x thick 16 cm
L. 33 x W. 44 x thick 20 cm

BURIAL — 151 A (Tumulus)

Square D/K 2 (Feature 4 & 5); D/K 3 (1 & 2)

THE GRAVE CHAMBER

Orientation of grave chamber :

Capstones : One* I. (from East) L. x W. x thick cm
II. 65 x 42 x 13 cm III. cm IV. cm

Length : cm (N) **Height** (overall from bed rock) : 68 cm
cm (S) Chamber walls : 70 cm
168 cm (middle) Projecting part : cm

Width : 73 cm (base) Projection from base : (N) cm (S) cm
cm (top)

Masonry : Northern wall. 4 courses, regular.
Southern wall. 5 courses, regular.
Western wall. Built with long walls, regular.
Interspaces contain nothing.

Stone size (Length is parallel to grave chamber)

Long walls of chamber (Long x thick) cm		Projecting upper part (L. x W. x thick) cm
36 x 16	32 x 19	26 x 21 x 13
19 x 9	34 x 17	19 x 25 x 8
33 x 22		39 x 23 x 9

Re-use of existing R.W. (ringwall) for chamber : None
Surface of B.R. (bed rock) : Original

THE ALCOVE

Location : No alcove **Re-use** of existing R.W. face :

Capstone : L. x W. x thick cm

Width (of mouth) : cm **Length :** cm **Height** (from B.R.) : cm.

Remarks : * Fallen into the grave.

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : Sand, 43 cm.

Layer (2) : 20 - 25 cm of gravel and earth.

Floor level above B.R. : Not well defined.

CONTENTS OF GRAVE

Skeletal remains :

Stones :

Metals :

Shells :

Bitumen-lined materials :

Other :

Ceramics :

THE RINGWALL (*see Burial 151*)

Length (external, upper part) : cm **Width** : cm

Max. Height : cm of courses. Interspaces contain small stones.

Stone size (wall face) in cm		(top of wall)	
Long x thick	Long x thick	L. x W.	x thick cm

Filling between R.W. and grave :

Remarks :

BURIAL — 151 B (Tumulus)

Square D/K 2 (Feature 1 & 5); D/J2 (5 & 4)

THE GRAVE CHAMBER

Orientation of grave chamber : 44° — NE

Capstones : I. (from East) L. x W. x thick cm
II. cm III. cm IV. cm

Length : cm (N) Height (overall from bed rock) : 72 cm
cm (S) Chamber walls : 73 cm
*139 cm (middle) Projecting part : cm

Width : 65 cm (base) Projection from base : (N) cm (S) cm
cm (top)

Masonry : Northern wall. 4 courses, regular. (The eastern extension is built
Southern wall. 4 courses, regular. of 6 courses of small stones).
Eastern wall. Built between long walls, irregular. 2 courses.
Interspaces contain a few small stones.

Stone size (Length is parallel to grave chamber)
Long walls of chamber Projecting upper part
(Long x thick) cm (L. x W. x thick) cm
(N) 42 x 28 42 x 18(S)
26 x 11 36 x 14
31 x 15 35 x 12
28 x 6

Re-use of existing R.W. (ringwall) for chamber : None.
Surface of B.R. (bed rock) : Original

THE ALCOVE

Location : Re-use of existing R.W. face :

Capstone : L. x W. x thick cm

Width (of mouth) : cm Length : cm Height (from B.R.) : cm.

Remarks : * The burial chamber has extension or addition on East (as distinct from partition). Overall length with extension is 230 cm across single-coursed wall. The extended part is not in alignment with the long walls of chamber. The width in this part, therefore, ranges between 77 and 82 cm.

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : Sand, 10 cm. only.

Layer (2) : 50 54 cm earth mixed with small stones.

Floor level above B.R. : Hard earth floor, 8 12 cm.

CONTENTS OF GRAVE

Skeletal remains : Three complete skeletons in good condition.

Stones : Two bowls of steatite (SR 149 and SR 186).
Eleven (agate) beads (SR 192).

Metals : Two bracelets of bronze (SR 189 and SR 190).
Coiled ring of bronze (SR 188).

Shells :

Bitumen-lined materials : Pieces only.

Other : Gold foiled bead (SR 191).

Ceramics : Ridged Ware. Red, tempered. Thin buff ware. Large vessels, thick, buff slipped and chocolate coloured paint. Narrow necked, red (SR 178 and SR 187). Small vases of red ware (SR 181, SR 182 and SR 185). Bowls (SR 183 and SR 184). Cups (SR 179 and SR 180).

THE RINGWALL (*See Burial 151*)

Length (external, upper part) : cm **Width :** cm

Max. Height : cm of courses. Interspaces contain small stones.

Stone size (wall face) in cm		(top of wall)	
Long x thick	Long x thick	L. x W.	x thick cm

Filling between R.W. and grave :

Remarks :

BURIAL — 151 C (Tumulus)

Square D/K2 (Feature 2 & 5)

THE GRAVE CHAMBER

Orientation of grave chamber : 60° — NE

Capstones : None I. (from East) L. x W. x thick cm
II. cm III. cm IV. cm

Length : cm (N) **Height** (overall from bed rock) : 74 cm
cm (S) Chamber walls : 72 cm (S) 68
*167 cm (middle) Projecting part : cm

Width : 73 cm (base) Projection from base : (N) cm (S) cm
cm (top)

Masonry : Northern wall. 5 courses, regular.
Southern wall. 4 courses, regular.
Eastern wall. Built between long walls, irregular**.
Interspaces contain nothing.

Stone size* (Length is parallel to grave chamber)
Long walls of chamber Projecting upper part
(Long x thick) cm (L. x W. x thick) cm
39 x 25
33 x 15
22 x 17

Re-use of existing R.W. (ringwall) for chamber : None
Surface of B.R. (bed rock) : Original.

THE ALCOVE

Location : No alcove **Re-use** of existing R.W. face :

Capstone : L. x W. x thick cm

Width (of mouth) : cm **Length** : cm **Height** (from B.R.) : cm

Remarks : * & ** plus extension on East with partition wall
making total length to 240 cm.

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : Sand, 50 cm.

Layer (2) : Loose earth, 14 cm.

Floor level above B.R. : Gravel and earth, hard surface, 10 cm.

CONTENTS OF GRAVE

Skeletal remains : Human bones and skull.

Stones :

Metals :

Shells :

Bitumen-lined materials :

Other :

Ceramics : Small globular vase of dull red colour.

THE RINGWALL (*see Burial 151*).

Length (external, upper part) : **Width :** cm

Max. Height : cm of courses. Interspaces contain small stones.

Stone size (wall face) in cm		(top of wall)	
Long x thick	Long x thick	L. x W.	x thick cm

Filling between R.W. and grave :

Remarks :

BURIAL — 152 (Tumulus)

Square D/J1 (Feature 4 & 3)

THE GRAVE CHAMBER

Orientation of grave chamber : 52° — NE

Capstones : None I. (from East) L. x W. x thick cm
II. cm III. cm IV. cm

Length : 151 cm (N) **Height** (overall from bed rock) : 68 cm
162 cm (S) Chamber walls : 42 cm
cm (middle) Projecting part : cm

Width : 66 cm (base) Projection from base : (N) cm (S) cm
cm (top)

Masonry : Northern wall. 2 courses, regular.
Southern wall. 3 4 courses, irregular.
Western wall. Built against the face of another R.W.
Interspaces contain nothing.

Stone size (Length is parallel to grave chamber)
Long walls of chamber Projecting upper part
(Long x thick) cm L. x W. x thick) cm
22 x 16 30 x 15
31 x 26 27 x 8
22 x 16

Re-use of existing R.W. (ringwall) for chamber : R.W. on West
Surface of B.R. (bed rock) : Original.

THE ALCOVE

Location : No alcove **Re-use** of existing R.W. face :

Capstone : L. x W. x thick cm

Width (of mouth) : cm **Length** : cm **Height** (from B.R.) : cm

Remarks :

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : Thin layer of sand. The whole grave was filled with loose brownish earth mixed with gravel. The actual floor level was not possible to recognise except for a thin layer of earth 5 cm thick.

Floor level above B.R. :

CONTENTS OF GRAVE

Skeletal remains :

Stones :

Metals :

Shells :

Bitumen-lined materials :

Other :

Ceramics :

THE RINGWALL

Length (external, upper part) : 17.20 m* **Width** : 20 40 cm

Max. Height : 65 cm of 3 courses. Interspaces contain nothing.

Stone size (wall face) in cm		(top of wall)
Long x thick	Long x thick	L. 50 x W. 44 x thick 13 cm
35 x 23	23 x 10	
36 x 20	34 x 18	
20 x 13	40 x 25	

Filling between R.W. and grave : Uniform deposit of earth mixed with few small stones.

Remarks : It is one of the group consisting of four graves built against the ringwall of Tumulus 151, all devoid of alcove.

* Max. diameter 5.80 metres.

BURIAL — 152 A (Tumulus)

Square D/J2 (Feature 3 & 8)

THE GRAVE CHAMBER

Orientation of grave chamber : 54° — NE

Capstones : None I. (from East) L. x W. x thick cm
II. cm III. cm IV. cm

Length : cm (N) **Height** (overall from bed rock) : 51 cm
cm (S) Chamber walls : 44 cm (S) 56
163 cm (middle) Projecting part : cm

Width : 68 cm (base) Projection from base : (N) cm (S) cm
cm (top)

Masonry : Northern wall. 3 - 4 courses, irregular.
Southern wall. 4 courses, irregular.
Interspaces contain small stones.

Stone size (Length is parallel to grave chamber)

Long walls of chamber	Projecting upper part
Long x thick) cm	L. x W. x thick) cm
21 x 20 24 x 10	
29 x 14 29 x 8	

Re-use of existing R.W. (ringwall) for chamber : R.W. on West.
Surface of B.R. (bed rock) : Original.

THE ALCOVE

Location : No alcove **Re-use** of existing R.W. face :

Capstone : L. X W. x thick cm

Width (of mouth) : cm **Length** : cm **Height** (from B.R.) : cm

Remarks :

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : Sand, 32 cm.
Layer (2) : Gravel and earth, somewhat hard, 19 cm.
Floor level above B.R. : Not recognizable.

CONTENTS OF GRAVE

Skeletal remains :

Stones :

Metals :

Shells :

Bitumen-lined materials :

Other :

Ceramics :

THE RINGWALL (*see Burial 152*)

Length (external, upper part) : cm **Width** : cm

Max. Height : cm of courses. Interspaces contain small stones.

Stone size (wall face) in cm		(top of wall)	
Long x thick	Long x thick	L. x W.	x thick xm

Filling between R.W. and grave :

Remarks :

BURIAL — 152 B (Tumulus)

Square D/J2 (Feature 2 & 8)

THE GRAVE CHAMBER

Orientation of grave chamber : 44° — NE

Capstones : None I. (from East) L. x W. x thick cm
II. cm III. cm IV. cm

Length : 178 cm (N) **Height** (overall from bed rock) : 62 cm
158 cm (S) Chamber walls : 53 cm (S) 51
cm (middle) Projecting part : cm

Width : (E) 70 cm (base) 63(W) Projection from base : (N) cm (S) cm
cm (top)

Masonry : Northern wall. 4 courses, irregular.
Southern wall. 5 courses, irregular.
Interspaces contain nothing.

Stone size (Length is parallel to grave chamber)
Long walls of chamber Projecting upper part
(Long x thick) cm (L. x W. x thick) cm
16 x 10 23 x 13
39 x 12 27 x 15

Re-use of existing R.W. (ringwall) for chamber : R.W. on West.
Surface of B.R. (bed rock) : Original.

THE ALCOVE

Location : No alcove **Re-use** of existing R.W. face :

Capstone : I. x W. x thick cm

Width (of mouth) : cm **Length** : cm **Height** (from B.R.) : cm

Remarks :

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : 27 cm thick sand.

Layer (2) : Gravel mixed with earth, 31 cm.

Floor level above B.R. : Earth and sand, 4 cm.

CONTENTS OF GRAVE

Skeletal remains :

Stones :

Metals :

Shells :

Bitumen-lined materials : Square shaped basket in fragments.
(near North wall).

Other :

Ceramics :

THE RINGWALL (*see Burial 152*)

Length (external, upper part) : cm **Width** : cm

Max. Height : cm of courses. Interspaces contain small stones.

Stone size (wall face) in cm		(top of wall)	
Long x thick	Long x thick	L. x W.	x thick cm

Filling between R.W. and grave :

Remarks :

BURIAL — 152 C (Tumulus)

Square D/J2 (Feature 1 & 8)

THE GRAVE CHAMBER

Orientation of grave chamber : 48° — NE

Capstones : None I. (from East) L. x W. x thick cm
II. cm III. cm IV. cm

Length : cm (N) **Height** (overall from bed rock) : 63 cm
cm (S) Chamber walls : 63 cm (S) 56
173 cm (middle) Projecting part : cm

Width : 58 cm (base) **Projection from base** : (N) cm (S) cm
cm (top)

Masonry : Northern wall. 4 5 courses, regular.
Southern wall. 5 6 courses, regular.
Interspaces contain nothing.

Stone size (Length is parallel to grave chamber)
Long walls of chamber Projecting upper part
(Long x thick) cm (L. x W. x thick) cm
20 x 16 31 x 10
21 x 12 28 x 11

Re-use of existing R.W. (ringwall) for chamber : R.W. on West.
Surface of B.R. (bed rock) : Original.

THE ALCOVE

Location : No alcove **Re-use** of existing R.W. face :

Capstone : L. x W. x thick cm

Width (of mouth) : cm **Length** : cm **Height** (from B.R.) : cm

Remarks :

STRATIGRAPHY OF GRAVE CHAMBER

Layer (1) below capstone level : Sand, 15 cm.

Layer (2) : Loose earth and few stones, 48 cm.

Floor level above B.R. : Not recognizable.

CONTENTS OF GRAVE

Skeletal remains :

Stones :

Metals :

Shells :

Bitumen-lined materials :

Other :

Ceramics :

THE RINGWALL (*see Burial 152*)

Length (external, upper part) : cm **Width** : cm

Max. Height : cm of courses. Interspaces contain small stones.

Stone size (wall face) in cm		(top of wall)	
Long x thick	Long x thick	L. x W.	x thick cm

Filling between R.W. and grave :

Remarks :

APPENDIX — D

**THE GRAVE NUMBERS OF VARIOUS SQUARES
AND THEIR FINAL BURIAL NUMBERS**

APPENDIX — D

THE GRAVE NUMBERS OF VARIOUS SQUARES AND THEIR FINAL BURIAL NUMBERS

<i>Square Number</i>	<i>Grave Number</i>	<i>Final Burial Number</i>	<i>Square Number</i>	<i>Grave Number</i>	<i>Final Burial Number</i>
D/A1—	1	5	D/F1 —	1	46
	3	7		3	48
	5	8		5	71
	7	4		7	72
	9	3		10	72 B
	11	2		11	47
	12	1			
D/B1—	1	4	D/G1 —	2	72
	3	8		4	78
	5	16 A		5	73
	6	16		6	72 A
	8	10		9	79
	9	11		11	84
	11	9		12	81
		13	80		
D/C1 —	1	13	D/H1 —	2	82
	2	14		5	83
	5	11		7	85
	6	15		10	88
	8	16		12	87
	10	27		15	86
	12	12			
13	26				
D/D1 —	2	28	D/I 1 —	1	89
	4	33		4	90
	6	32	D/J1 —	1	153
	8	29		4	152
	10	31			
13	30				
D/E1 —	2	31	D/A2 —	1	5 A,
	5	45		2	6
	6	49		4	19
	9	44		6	23
	10	42		8	18
	11	41		12	7

<i>Square Number</i>	<i>Grave Number</i>	<i>Final Burial Number</i>	<i>Square Number</i>	<i>Grave Number</i>	<i>Final Burial Number</i>
D/B2 —	2	17	D/G2 —	2	84
	5	23		3	113
	7	24		6	78
	9	36		8	112
	10	36 A		10 — 13	147
	12	25		12	111 A
	14	16 A			
D/C2 —	1	36 A	D/I 2 —	2	148
	8	53		4	149
	9	34		7	149 A
	10	26	D/J2 —	1	152 C
	11	35		2	152 B
D/D2 —	1	33	3	152 A	
	4	52	5	151 B	
	6	53	7	149 A	
	8	65	D/K2	1	151 B
	10	51		2	151 C
	12	43		3	151
13	34	4 — 6		151 A	
D/E2 —	1	42	D/A3 —	1	23
	3	51		4	22
	5	91		6	19
	7	74		8	21
	9	70		10	39
	11	50		12	38
	13	49		13	20
D/F2 —	1	70	D/B3 —	2	37
	3	75		4	38
	5	111 B		6	57
	6	111		8	56
	8	111 A		10	55
	9	76		12	36
	11	77			
	14	71			

<i>Square Number</i>	<i>Grave Number</i>	<i>Final Burial Number</i>	<i>Square Number</i>	<i>Grave Number</i>	<i>Final Burial Number</i>	
D/C3 —	2	55	D/C4 —	1	69	
	5	69		3	97	
	7	68		5	125 A	
	8	95		6	124	
	10	67		8	122	
	12	54		10	96	
D/D3 —	2	66	D/D4 —	12	125	
	4	67		13	98	
	5	95		1	110	
	7	94		2	123	
	10	93		4	116	
	12	92		5	118	
D/E3 —	1	92	D/E4 —	7	117 A	
	4	91		8	117	
	9	143		13	119	
	6	115 A		2	120	
D/F3 —	1	143	D/F4 —	4	121	
	3	114		7	117	
	4	111 B		9	119	
	7	115		1	143	
D/G3 —	3	146	D/G4	4	144	
				1	144	
D/K3 —	1	151 A	D/H4 —	1	150	
	3	151		2	150 A	
D/A4 —	2	58	D/I 4 —	1	150	
	4	63 A		2	150 B	
	6	59		D/A5 —	3	61
	8	40			4	103
	10	39			6	102
D/B4 —	1	57	7		105	
	4	62	9		101	
	6	64	11	63 A		
	8	99	12	63		
	9	98	13	60		
	12	69 A				

<i>Square Number</i>	<i>Grave Number</i>	<i>Final Burial Number</i>	<i>Square Number</i>	<i>Grave Number</i>	<i>Final Burial Number</i>
D/B5 —	1	100	D/A6 —	2	131
	3	101		5	130
	5	105		7	106
	7	108		9	107
	11	128	11	104	
	13	127	D/B6 —	1	129
	14	109		3	137 A
		4		137	
D/C5	1	125	5	141	
	4	126	6	136	
	6	127	7	128 A	
	9	133	10	135	
	12	116 A			
D/D5 —	1	116 A	D/C6 —	2	141
	5	116	4	135	
	7	119	6	134	
D/E5 —	1	145	D/A7 —	2	139
			5	140	
			7	138	
D/F5 —	2 — 3	145 A	D/B7 —	9	132
	5 — 4	145		2	137 A
			4	142	

APPENDIX — E

**THE BURIAL NUMBERS WITH REFERENCE
TO STRUCTURAL FEATURES OF SQUARES**

APPENDIX — E

THE BURIAL NUMBERS WITH REFERENCES
TO STRUCTURAL FEATURES OF SQUARES

<i>Burial Number</i>	<i>Square</i>	<i>Grave</i>	<i>Ring-wall</i>	<i>Square</i>	<i>Grave</i>	<i>Ring-wall</i>	<i>Remarks</i>
1.	D/A1	12	13				Partially dug
2.	D/A1	11	10				
3.	D/A1	9	8				
4.	D/A1	7	6	D/B1	1	2	Partially dug
5.	D/A1	1	2				
5A.	D/A2	—	1				Partially dug
6.	D/A2	2	3				Partially dug
7.	D/A2	12	11	D/A1	3	4	
8.	D/A1	5	—	D/B1	3	4	
	D/A2	—	10	D/B2	—	1	
9.	D/B1	—	11				Partially dug
10.	D/B1	8	7				
11.	D/B1	9	10	D/C1	5	4	Partially dug
12.	D/C1	—	12				Partially dug
13.	D/C1	—	1	D/D1	—	1	Partially dug
14.	D/C1	2	3				
15.	D/C1	6	7				
16.	D/B1	6	12N	D/C1	—	788	
16.A	D/B1	5	—	D/B2	14	13	
17.	D/B2	2	3	D/A2	—	9	
18.	D/A2	8	7	D/B2	—	4	
19.	D/A2	4	5	D/A3	6	5	
20.	D/A3	13N	7				Partially dug
21.	D/A3	8	9				Partially dug
22.	D/A3	4	3				
23.	D/A3	1	2	D/B3	—	1	
	D/A2	6	—	D/B2	5	6	
24.	D/B2	7	8				
25.	D/B2	12	11	D/C2	—	3	
26.	D/C2	10	4	D/C1	13	9	
27.	D/C1	10	11	D/C2	—	5	
28.	D/D1	2	3				
29.	D/D1	8	7				
30.	D/D1	—	13				Partially dug
31.	D/D1	10	9	D/E1	2	3	
32.	D/D1	6	5 — 11	D/E1	—	12	
33.	D/D1	4	—	D/D2	1	2	
34.	D/C2	9	6	D/D2	13	3	

<i>Burial Number</i>	<i>Square</i>	<i>Grave</i>	<i>Ring-wall</i>	<i>Square</i>	<i>Grave</i>	<i>Ring-wall</i>	<i>Remarks</i>
35.	D/C2	11	2 — 7				
36.	D/B2	9	—	D/B3	12	11	
36A.	D/B2	10	15N	D/C2	1	—	
	D/B3	—	13N	D/C3	—	1	
37.	D/B3	2	3				
38.	D/B3	4	5	D/A3	12	11	
39.	D/A3	10	11	D/A4	10	9	
40.	D/A4	8	7				Partially dug
41.	D/E1	11	4				Partially dug
42.	D/E1	10	1	D/E2	1	2	
43.	D/D2	12	11				
44.	D/E1	9	7				
45.	D/E1	5	8	13N D/F1	—	2	
46.	D/F1	1	12				Partially dug
47.	D/F1	11	9				
48.	D/F1	3	4	D/E1	—	14N	
49.	D/E1	6	—	D/E2	13	12	
50.	D/E2	11	10				
51.	D/E2	3	4	D/D2	10	9	
52.	D/D2	4	5				
53.	D/C2	8	13	D/C3	—	13	
	D/D3	—	1	D/D2	6	14	
54.	D/C3	12	11				
55.	D/C3	2	3	D/B3	10	9	
56.	D/B3	8	7	D/C3	—	4	
57.	D/B3	6	—	D/B4	1	2	
				D/A4	—	1	
58.	D/A4	2	3	D/B4	—	3	
59.	D/A4	6	5				
60.	D/A5	13N	1				Partially dug
61.	D/A5	3	2				
62.	D/B4	4	5				
63.	D/A5	12	10				
63A.	D/A4	4	11	D/A5	11		
64.	D/B4	6	7				
65.	D/D2	8	7	D/D3	—	13	
66.	D/D3	2	3				
67.	D/D3	4	14	D/C3	10	9	
68.	D/C3	7	6				
69.	D/C3	5	—	D/C4	1	2	
				D/B4	—	15N	
69-A.	D/B4	12	11				
70.	D/E2	9	8	D/F2	1	2	
71.	D/F1	5	6	D/F2	14	13	
72.	D/F1	7	14N	D/G1	2	1	

Burial Number	Square	Grave	Ring-wall	Square	Grave	Ring-wall	Remarks
72-A.	D/G1	—	6				Partially dug
72-B.	D/F1	10	8				Partially dug
73.	D/G1	5	7				
74.	D/E2	7	6	D/F2	—	4	
75.	D/F2	3	10				
76.	D/F2	9	12				
77.	D/F2	11	—	D/G2	—	7	
78.	D/G1	4	8	D/G2	6	5	
79.	D/G1	9	10				
80.	D/G1	13	14				Partially dug
81.	D/G1	12	15N	D/H1	—	3	
82.	D/H1	2	4				
83.	D/H1	5	6	D/H2	—	1	
84.	D/G2	2	1 — 4	D/G1	—	11	
85.	D/H1	7	8				
86.	D/H1	15N	1				Partially dug
87.	D/H1	12	13 — 11				Partially dug
88.	D/H1	10	9	D/I 1	—	3	
89.	D/I 1	1	2				Partially dug
90.	D/I 1	4	5				Partially dug
91.	D/E2	5	—	D/E3	4	3	
92.	D/D3	12	11	D/E3	1	2	
93.	D/D3	10	9				
94.	D/D3	7	6				
95.	D/C3	8	—	D/D3	5	15N	
	D/C4	—	18N				
96.	D/C4	10	9				
97.	D/C4	3	4				
98.	D/B4	9	10	D/C4	13N	16N	
99.	D/B4	8	—	D/B5	—	16	
100.	D/B5	1	2				
101.	D/A5	9	8	D/B5	3	4	
102.	D/A5	6	5				
103.	D/A5	4	—	D/A6	—	12	Partially dug
104.	D/A6	11	3				Partially dug
105.	D/A5	7	—	D/B5	5	6	
	D/A6	—	14N	D/B6	—	12N	
106.	D/A6	7	13				
107.	D/A6	9	10				
108.	D/B5	7	8				
109.	D/B5	14	15 — 13				
110.	D/D4	1	11				
111.	D/F2	6	7				
111-A.	D/F2	8	—	D/G2	12	14N	

<i>Burial Number</i>	<i>Square</i>	<i>Grave</i>	<i>Ring-wall</i>	<i>Square</i>	<i>Grave</i>	<i>Ring-wall</i>	<i>Remarks</i>
111-B.	D/F2	5	—	D/F3	4	6N	
112.	D/G2	8	15N				
113.	D/G2	3	9				
114.	D/F3	3	5N				
115.	D/F3	7N	8N	D/E3	—	7	
115-A.	D/E3	6	5				
(T) 116.	D/D4	4	3	D/D5	5	4	Tumulus
(T) 116-A.	D/C5	12	11	D/D5	1	4	Tumulus
117.	D/D4	8	9	D/E4	7	5	
117-A.	D/D4	7	—	D/D3	—	8	
118.	D/D4	5	6 — 10				
119.	D/D4	13	—	D/E4	?	1	
	D/E5	—	3	D/D5	7	6	
120.	D/E4	2	3	D/E5	—	4	
121.	D/E4	4	6				
122.	D/C4	8	14 — 15N	D/D4	—	12	
123.	D/D4	2	—				
124.	D/C4	6	16N				
125.	D/C5	1	2	D/C4	12N	17N	
125-A.	D/C4	5	—	D/C5	—	3	
126.	D/C5	4	5				
127.	D/C5	6	7	D/B5	—	12	
128.	D/B5	9 — 11	—	D/B6	—	14N	
128-A.	D/B6	7	8				
129.	D/B6	1	2	D/A6	—	6	
130.	D/A6	5	4				
131.	D/A6	2	1	D/A7	—	8N	
132.	D/A7	9N	1				Partially dug
133.	D/C5	9	8				
134.	D/C6	6	5				
135.	D/B6	10	9	D/C6	4	3	
136.	D/B6	6	11				
137.	D/B6	4	13N				
137-A.	D/B6	3	—	D/B7	2	1	
138.	D/A7	7	6				
139.	D/A7	2	3				
140.	D/A7	5	4				Partially dug
141.	D/B6	5	?	D/C6	2		
142.	D/B7	4	3				
(T) 143.	D/E3	9	8	D/F3	1	2	Tumulus
	D/E4	—	8	D/F4	1	2	
(T) 144.	D/F4	4	3	D/G4	1	2	Tumulus
	D/F5	—	6	D/G5	—	1	
(T) 145.	D/E5	1	2	D/F5	4 — 5	1	Tumulus
	D/E6	—	1	D/F6	—	1	

<i>Burial Number</i>	<i>Square</i>	<i>Grave</i>	<i>Ring-wall</i>	<i>Square</i>	<i>Grave</i>	<i>Ring-wall</i>	<i>Remarks</i>
(T) 145-A.	D/F5	2 — 3	1	D/E5	—	2	Tumulus
	D/E6	—	1	D/F6	—	1	
(T) 146.	D/G3	3	2				Tumulus
147.	D/G2	10	11				
148.	D/I 2	2	1				
149.	D/I 2	4	3	D/I 1	—	6	
149-A.	D/I 2	7N	—	D/J2	—	6	
				D/J1	—	5 — 6	
(T) 150.	D/H4	1 — 4	3	D/I 4	1	3	Tumulus
(T) 150-A.	D/H4	2	3	D/H5	2	1	Tumulus
(T) 150-B.	D/I 4	2	3				Tumulus
— Ringwalls 1 of D/I 5, 1 of D/H3 — 2 of D/I 2							
(T) 151.	D/K2	3	5	D/K3	3	2	Tumulus
(T) 151-A.	D/K2	4	5	D/K3	1	2	Tumulus
(T) 151-B.	D/K2	1	5	D/J2	5	4	Tumulus
(T) 151-C.	D/K2	2	5				Tumulus
— Ringwall 1 of D/J3							
(T) 152.	D/J1	4	3				Tumulus
(T) 152-A.	D/J2	3	8				Tumulus
(T) 152-B.	D/J2	2	8				Tumulus
(T) 152-C.	D/J2	1	8				Tumulus
— Ringwall 2 of D/K1							
153.	D/J1	1	2	D/K1	—	1	Partially dug

APPENDIX — F

RELATIVE HEIGHTS OF GRAVES WITH AND WITHOUT CAPSTONES, BED ROCK SURFACE AND TOP LEVEL OF RINGWALLS

(Note : *Elevations refer to contour map of Sar on Fig. 2.*)

APPENDIX — F

**RELATIVE HEIGHTS OF GRAVES WITH AND WITHOUT CAPSTONES,
BED ROCK SURFACE AND TOP LEVEL OF RINGWALLS**

<i>Burial Number</i>	<i>Height with capstone</i>	<i>Height without capstone</i>	<i>Bed Rock level</i>	<i>Top level of Ringwall</i>	<i>Remarks</i>
1.	11.73	—	—	12.23	Not dug
2.	12.15	—	—	12.53	Not dug
3.	12.42	12.08	11.13	12.51	
4.	11.99	—	—	12.44	Not dug
	12.33	—	—	12.49	
5.	12.45	12.20	11.25	12.56	
5A.	—	—	—	12.71	Not dug
6.	12.72	—	—	12.35	Not dug
7.	12.52	12.22	11.27	12.65	
	12.40	—	—	12.50	
8.	12.34	12.04	10.88	—	
	12.62	—	—	12.55	
				to	
				12.62	
9.	—	—	—	12.33	Not dug
10.	—	12.30	11.05	12.24	
11.	12.48	—	—	12.31	Not dug
	12.26	—	—	12.17	
12.	—	—	—	12.20	Not dug
13.	—	—	—	12.14	Not dug
				12.16	
14.	12.14	11.89	10.93	12.26	
15.	12.10	11.94	10.99	12.23	
16.	12.26	11.90	11.04	12.46	
				& 12.35	
16A.	12.46	12.28	11.16	12.56	
	12.36				
17.	12.59	12.24	11.33	12.58	
18.	12.45	12.27	11.06	12.55	
				12.60	
19.	12.16	11.86	10.98	12.44	
	12.12			12.42	
20.	12.41	—	—	12.66	Not dug
21.	12.59	—	—	12.69	Not dug
22.	12.47	12.07	11.12	12.51	

<i>Burial Number</i>	<i>Height with capstone</i>	<i>Height without capstone</i>	<i>Bed Rock level</i>	<i>Top level of Ringwall</i>	<i>Remarks</i>
23.	12.50	12.28	11.13	12.55	
	12.53			12.76	
	12.31			12.72	
24.	12.55	12.39	11.30	12.55	
25.	12.53	12.38	11.32	12.58	
				12.50	
26.	12.16	11.98	11.16	12.44	
	12.18			12.45	
27.	12.21	12.03	11.03	12.37	
				12.40	
28.	12.09	11.81	10.86	12.37	
29.	12.16	11.98	10.90	12.23	
30.	—	—	—	12.20	
31.	11.87	11.62	10.45	12.13	Not dug
	12.04			12.19	
32.	12.05	11.82	11.00	12.26	
				12.13	
33.	12.13	11.77	10.81	12.29	
	12.15				
34.	12.18	11.88	10.78	12.38	
				13.70	
35.	12.23	12.10	11.10	12.23	
36.	12.50	12.19	11.25	12.42	
	12.46				
36A.	12.45	12.20	11.28	12.30	
	12.11			12.32	
37.	12.57	12.40	11.40	12.72	
38.	12.32	12.13	11.19	12.53	
	12.58			12.55	
39.	12.58	11.93	10.91	12.55	
	12.46			12.74	
40.	12.60	—	—	12.65	Not dug
41.	11.88	—	—	12.21	Not dug
42.	11.94	12.00	11.08	12.23	
	12.20			11.89	
43.	—	12.13	11.05	12.00	
44.	11.85	11.69	10.80	12.08	
45.	—	12.05	10.70	11.75	
				12.05	
46.	—	11.95	—	11.72	Not dug
47.	—	11.61	10.81	11.65	

<i>Burial Number</i>	<i>Height with capstone</i>	<i>Height without capstone</i>	<i>Bed Rock level</i>	<i>Top level of Ringwall</i>	<i>Remarks</i>
48.	—	11.77	10.76	11.82	
49.	—	11.73	10.71	11.83	
50.	—	11.86	10.93	11.86	
51.	11.99	11.79	10.89	11.93	
	11.76			12.13	
52.	—	12.05	10.99	12.20	
53.	—	11.99	10.95	12.29	
				to	
		12.00		12.32	
54.	—	12.04	11.08	11.43	
55.	—	12.19	11.19	12.49	
		12.24		12.37	
56.	—	12.48	11.42	12.53	
				12.63	
57.	12.50	12.30	11.26	12.56	
	12.56			12.77	
58.	12.56	12.31	11.23	12.70	
				12.52	
59.	12.58	12.31	11.50	12.70	
60.	12.75	—	—	12.92	Not dug
61.	12.76	12.56	11.60	12.91	
62.	12.56	12.21	11.07	12.51	
63.	12.72	12.47	11.51	12.56	
63A.	12.51	12.25	11.19	12.50	
	12.55				
64.	12.58	12.20	11.17	12.27	
65.	—	12.09	11.93	12.95	
				12.58	
66.	12.08	11.90	10.83	12.34	
67.	12.07	11.72	10.82	12.13	
	12.15			12.28	
68.	12.23	12.15	11.11	12.47	
69.	12.52	12.22	11.32	12.36	
	12.36			12.57	
69A.	—	12.12	10.95	12.08	
70.	—	11.78	11.04	11.84	
		11.88		11.78	
71.	—	11.85	10.85	11.88	
				11.73	
72.	—	11.78	10.80	11.60	
		11.66		11.69	

<i>Burial Number</i>	<i>Height with capstone</i>	<i>Height without capstone</i>	<i>Bed Rock level</i>	<i>Top level of Ringwall</i>	<i>Remarks</i>
72A.	—	—	—	11.71	Not dug
72B.	—	11.64	—	12.05	Not dug
73.	—	11.63	10.62	11.46	
74.	—	11.97	11.05	11.97	
			11.79		
75.	—	11.83	10.90	11.80	
76.	—	11.58	10.75	11.75	
77.	—	11.80	10.84	11.55	
78.	—	11.55	10.77	11.53	
		11.60		11.44	
79.	—	11.65	10.58	11.19	
80.	—	11.33	—	11.46	Not dug
81.	—	11.35	10.55	11.40	
				11.47	
82.	—	11.47	10.49	11.38	
83.	—	11.40	10.78	11.17	
				10.99	
84.	—	11.26	10.46	11.39	
				11.16	
85.	—	11.11	10.68	11.06	
86.	—	11.39	—	11.50	Not dug
87.	—	11.10	—	11.20	Not dug
88.	—	11.11	10.45	10.91	
				10.80	
89.	—	11.01	—	10.83	Not dug
90.	—	10.90	—	10.71	Not dug
91.	—	11.90	10.92	11.97	
		11.85			
92.	—	11.98	11.08	12.01	
		11.86		11.71	
93.	—	12.04	11.04	11.65	
94.	—	12.00	11.05	12.08	
95.	12.32	12.02	10.90	12.09	
	12.21			12.00	
96.	—	12.18	11.20	12.35	
97.	—	12.28	11.34	12.32	
98.	—	12.12	11.19	11.85	
		12.10		11.80	
99.	12.41	12.26	11.18	12.35	
100.	12.28	12.11	11.22	12.40	
101.	12.51	12.19	11.14	12.75	
	12.54			12.56	

<i>Burial Number</i>	<i>Height with capstone</i>	<i>Height without capstone</i>	<i>Bed Rock level</i>	<i>Top level of Ringwall</i>	<i>Remarks</i>
102.	12.69	12.38	11.60	12.78	
103.	12.85	—	—	12.86 *	Not dug
104.	12.90	—	—	12.84	Not dug
105.	12.37	12.26	11.31	12.53	
	12.56			12.50	
				12.45	
106.	12.61	12.26	11.21	12.51	
107.	—	12.86	11.71	13.02	
108.	12.41	12.19	11.17	12.42	
109.	12.14	12.04	11.18	12.26	
110.	12.18	11.98	11.08	11.75	
111.	—	11.53	10.80	11.54	
111A.	—	11.58	10.85	11.53	
		11.48			
111B.	—	11.43	10.57	11.45	
		11.33			
112.	—	11.53	10.95	11.54	
113.	—	11.40	10.84	11.48	
114.	—	11.50	10.64	11.50	
115.	—	11.46	10.48	11.60	
				11.63	
115A.	—	11.64	10.90	11.52	
116.	—	12.24	11.32	12.15	Tumulus
		12.32		12.12	
116A.	—	12.09	11.13	12.01	Tumulus
		12.12		12.12	
117.	—	11.69	10.86	11.37	
		11.62		11.79	
117A.	—	11.76	10.84	11.61	
118.	—	12.08	11.19	12.02	
119.	—	12.02	11.02	11.88	
		12.00		11.98	
120.	—	11.78	11.06	11.82	
				11.85	
121.	—	11.66	10.90	11.53	
122.	—	12.34	11.31	12.15	
123.	—	11.75	11.14	—	
124.	—	12.10	11.32	12.15	
125.	12.19	11.95	10.97	12.25	
	12.20			12.27	
125A.	—	12.15	11.39	12.09	
126.	—	12.25	11.05	12.19	

<i>Burial Number</i>	<i>Height with capstone</i>	<i>Height without capstone</i>	<i>Bed Rock level</i>	<i>Top level of Ringwall</i>	<i>Remarks</i>
127.	12.19	11.94	12.15	12.18	
128.	12.39	12.09	11.14	12.56	
128A.	—	12.39	11.44	12.56	
129.	—	12.53	11.57	12.46	
				12.66	
130.	12.73	12.53	11.60	12.70	
131.	—	12.76	11.76	13.03	
				12.90	
132.	—	12.73	—	12.92	Not dug
133.	—	12.00	11.06	12.07	
134.	—	11.85	10.95	11.86	
135.	—	12.19	11.03	12.40	
		11.83		11.94	
136.	—	12.29	11.48	12.30	
137.	—	12.46	11.53	12.38	
137A.	—	12.38	11.55	12.30	
		12.27			
138.	—	12.57	11.72	12.64	
139.	—	12.73	11.93	12.58	
140.	—	12.45	—	12.38	Not dug
141.	—	12.16	11.50	11.80	
		11.97			
142.	—	12.06	11.46	12.07	
143.	—	11.57	10.59	11.31	Tumulus
		11.56		11.17	
		11.32		11.61	
				11.15	
144.	—	11.32	10.71	11.40	Tumulus
		11.36		11.25	
				11.30	
145.	—	11.78	10.91	11.30	Tumulus
		11.70		11.55	
				11.66	
145A.	—	11.80	10.90	11.30	Tumulus
				to	
				11.66	
146.	—	11.35	10.61	11.31	Tumulus
147.	—	11.44	10.62	11.16	
148.	—	10.45	9.90	10.45	
149.	—	10.66	10.26	10.77	
				10.65	

<i>Burial Number</i>	<i>Height with capstone</i>	<i>Height without capstone</i>	<i>Bed Rock level</i>	<i>Top level of Ringwall</i>	<i>Remarks</i>
149A.	—	10.65	10.17	10.66 10.04	
150.	—	11.69 11.50	10.44	11.48 11.05	Tumulus
150A.	—	11.72 11.29	10.30	11.48 11.14	Tumulus
150B.	—	11.36	10.52	10.05 to 11.30	Tumulus
151.	—	10.72 10.43	10.06	10.40 10.53	Tumulus
151A.	—	10.85 10.45	10.03	10.40 10.53	Tumulus
151B.	—	10.85 10.77	10.18	10.40 10.79	Tumulus
151C.	—	10.79	10.12	10.40	Tumulus
152.	—	11.02	10.29	10.81	Tumulus
152A.	—	10.70	10.29	10.60	Tumulus
152B.	—	10.65	10.25	10.60	Tumulus
152C.	—	10.79	10.19	10.60 10.66	Tumulus
153.	—	10.58	—	10.59 10.53	Not dug

PART — VI

NOTES AND BIBLIOGRAPHY

NOTES

1. E. Mackay (1925 : 3) cites 67 mounds opened by Prideaux while Bibby (1954 : 132) mentions 44.
2. The original contours of the site were altered by bulldozing the upper surface and thus at least one metre height was chopped off (cf. Ibrahim 1982, Fig. 29 and Fig. 2. of this publication).
3. The 50 cm wide baulks of each square in Area D are located on the north and east where the main baulks of the entire area run. According to the original layout the main baulks were one metre wide making one square D/A1 in the northeastern corner 4 x 4 metres in size and others along the northern and eastern sections, 4½ x 5 metres. Other squares were 4½ x 4½ metres in size. Although Fig. 2 shows uniform size of 4½ x 4½ metres for all squares, it should be noted that the one metre wide baulk was maintained on two sides (N & E) as desired by the Department of Archaeology.
4. The tumuli at Buri, excavated by the Bahraini and Australian teams were assigned *Tal* and *Mound* numbers. Ultimately, a sector/area number was added. Thus, Tal-A/64 stands for burial mound number in sector A. During the previous season (1980 - 81) the mounds were given alphabetical numbers.
5. From mounds (Tals) 5, 32, A68 and A82 (unpublished).
6. Found in an infant grave located in Square C/F4, Grave - 11 at 30 cm depth (unpublished). Its neck is partially broken.
7. Excavations at Buri were done by a ten-member Australian team led by Mr. Phillip J. Habgood between December, 1981 and February, 1982. Four members of the team, namely Mr. Anthony Lowe, Misses J. Edwina Brown, Judith Littleton and Robyn Stocks, continued working until June, 1982. The present author is thankful to the whole team collectively and to those named above individually for stimulating discussions. Their preliminary reports contain useful data. However, opinions expressed here are those of the present author. A number of volunteers worked at the site through the good offices of the Bahrain Historical and Archaeological Society. The Bahraini team was supervised by Mr. Aziz Sowaleh under the direction of Shaikha Haya Al Khalifa. Its report was not available at the time of writing.
8. Observations of the present author. Excavations at the site were done by Messrs Kalid al-Sindhi and Daud Yousaf under the direction of Shaikha Haya Al Khalifa.
9. In the description of stone size in this report, the following arbitrary divisions are made : Very small — 0 to 5 cm; Small — 5 to 10 cm; Medium — 10 to 20 cm; Large — 20 to 40 cm; Very large — more than 40 cm.
10. Relevant details on deposits inside the burial chambers of tumuli which are being dug at present near Buri and at other burial sites are lacking. No logical explanation is available. According to local practice, the graves are dug completely without retaining any section anywhere.
11. Polyvinyl Acetate diluted in acetone. The skeletal remains from the Sar Burial Complex are under study by Dr. Bruno Frohlich. For evidence from previous excavations see Frohlich (1982).
12. A comparison between the published map of the State of Bahrain (Sheet 64 — 23) and Contour map (Fig. 2.) of this volume would show a difference in the height which is at least one metre and more.
13. Our Feature Numbers 13 & 14 in Square D/G1 correspond to the Feature 3 of Dr. Ibrahim's excavation (1982, Fig. 31, 4). He records the following information on the grave : Width 58 cm and height 90 cm. The length is not given because the chamber was partially excavated. One adult human skeleton was found. There was no capstone on the grave. The ringwall is not mentioned.
14. The angle of perforation through the boss as shown in PLS. XLV — XLIX is according to the position of the seals and their impressions as illustrated.
15. The impression (4a) of this seal shows a sign above the pronged symbol. It is due to secondary perforation and should be disregarded.

16. Various thoughts on the motifs are expressed by A.A. Bushiri (1979, 1981, 1981a and 1982) in his initial study of the known seals.
17. The rendering of a circular tail of the lion as shown in Fig. 23, No. 2. is how the artist, Mr. Abdul Rasool Al-Ghayeb would like to see it but with which the present author does not agree.
18. The present author is thankful to Mr. Ali Akbar Bushiri for drawing attention to this publication.
19. Kuwait Museum No. SN1084 - 166 - F. 6 - 1235K.
20. Ministry of Guidance & Information, Kuwait (n.d.), Fig. 89. Other seals from Failaka showing "drinking scene" are :
 - S — 1083 - 165 - F6 - 911.
 - S — 1047 - 129 - F3 900K.
 - S — 1 - 1 - AMA - F3 - K.
 - S — 988 - 99 - F3 - 881 NAK.
 - S — 40 - 40 - F3 - K.

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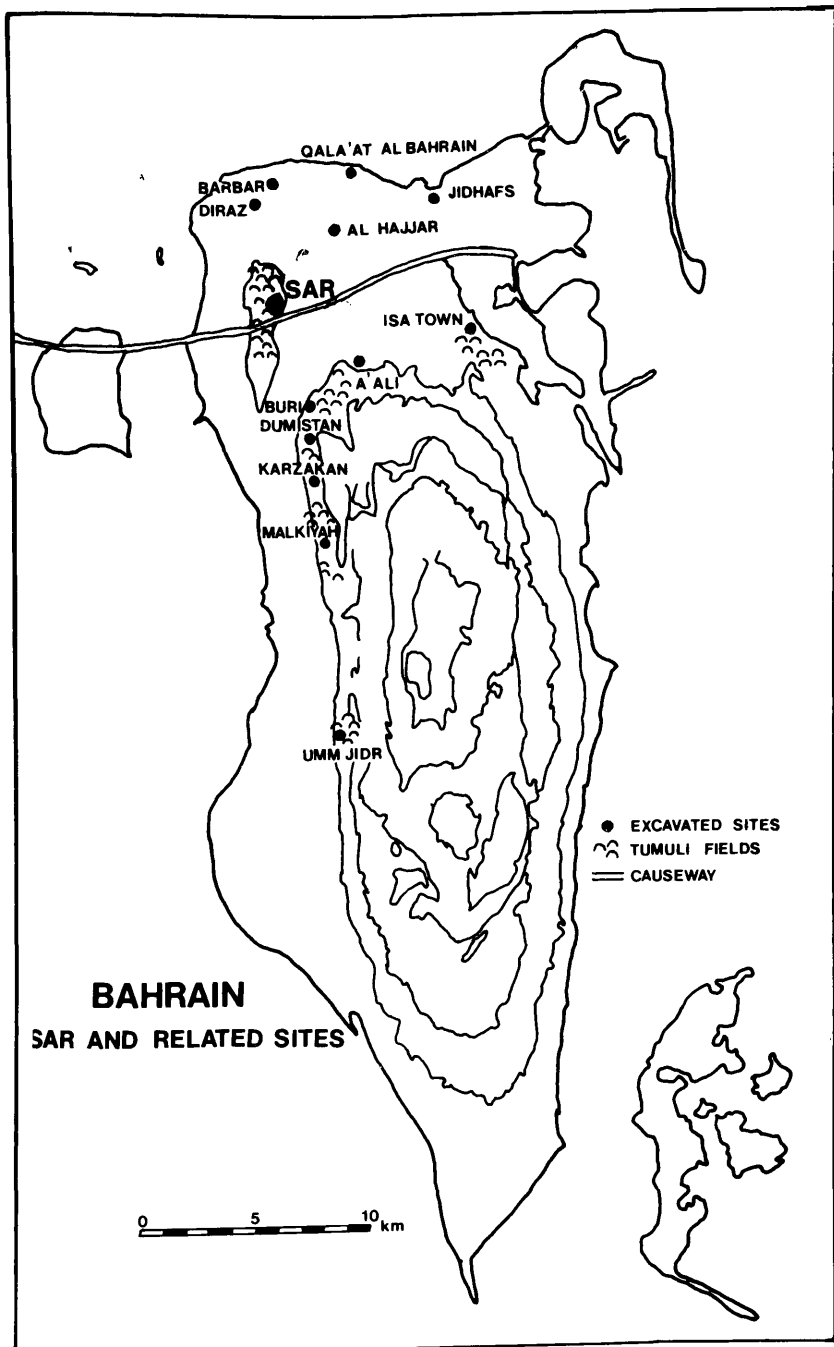


Fig. 1. Map of Bahrain Islands showing location of Sar and some related sites

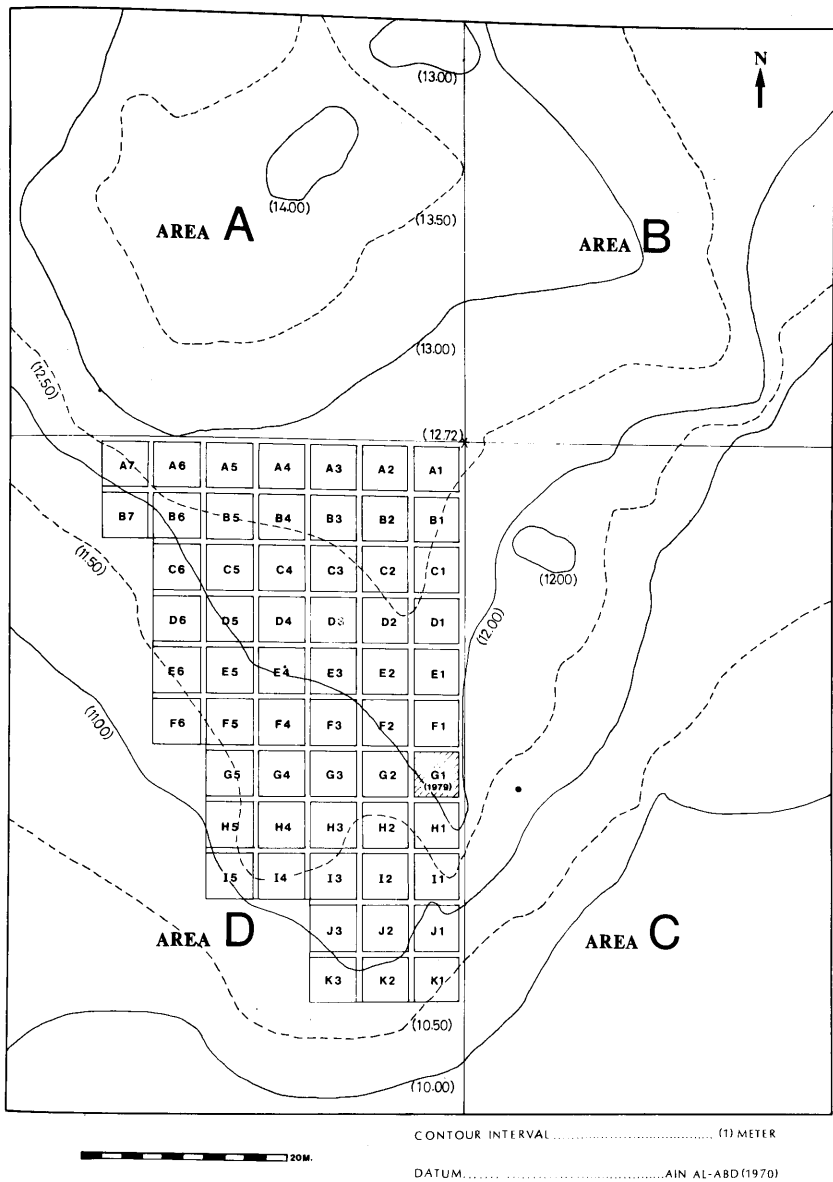


Fig. 2. Contour map of the Sar Burial Complex with layout of squares in Area D only excavated until May 1982

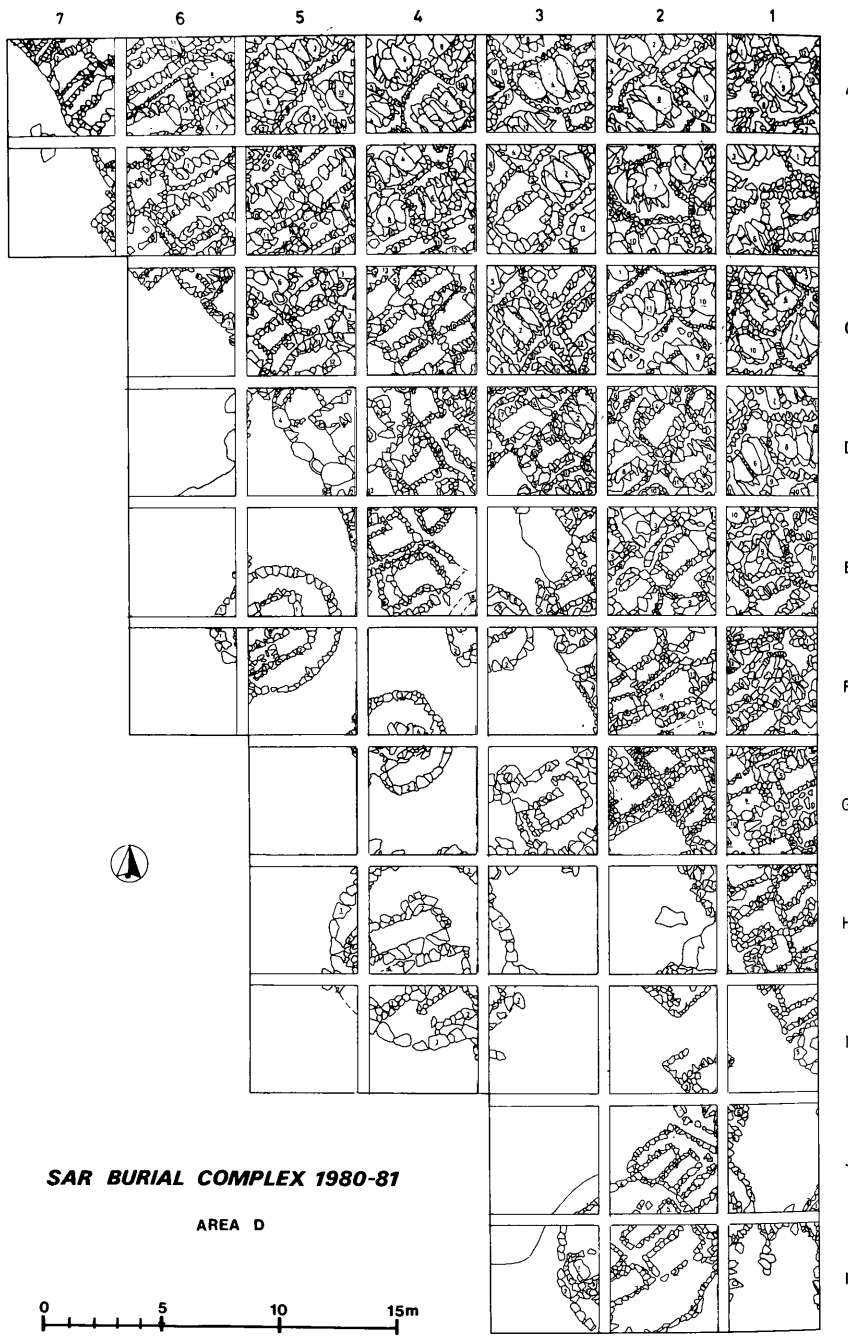


Fig. 3. The structural remains as exposed in fifty eight squares of Area D during the first season 1980 / 81 with Feature numbers according to squares

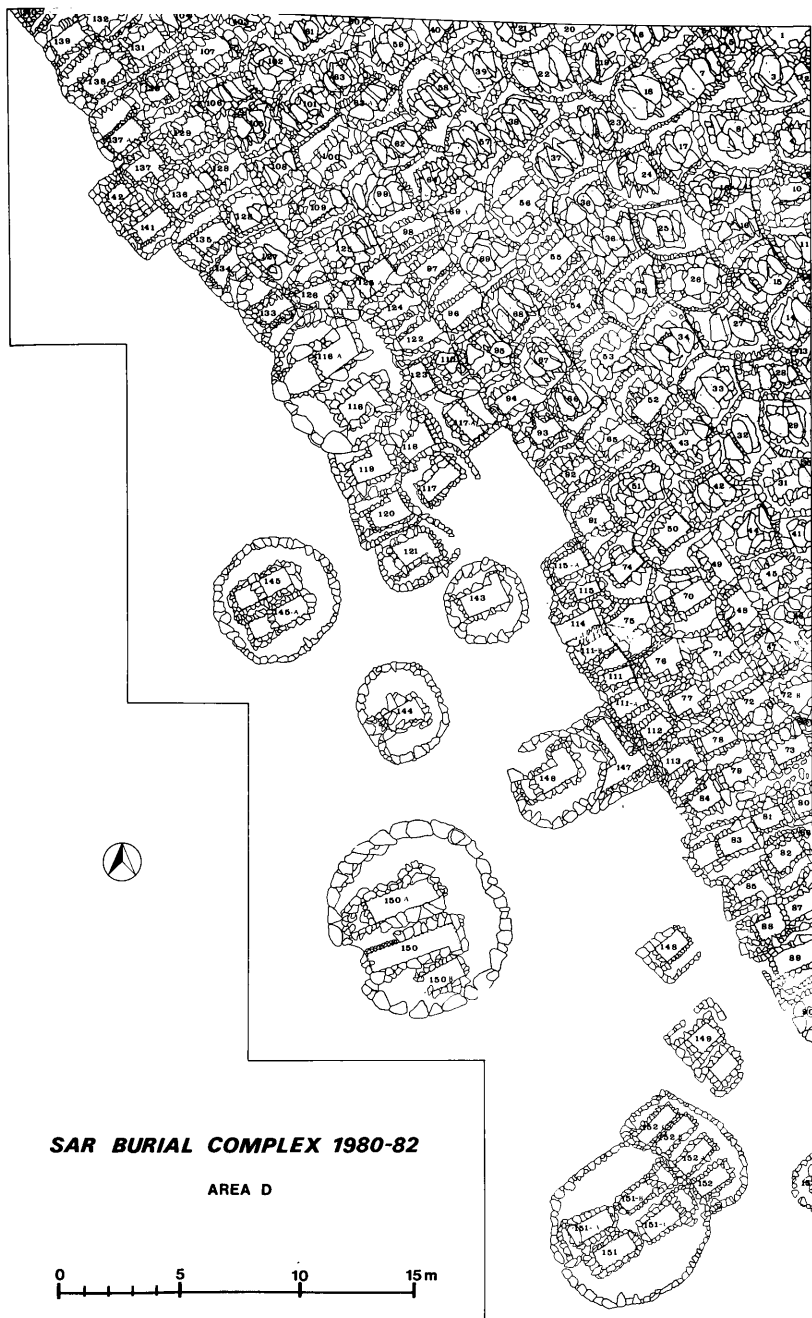


Fig. 4. Complete structural plan of the Burial Complex and the tumuli and Area D after the second season of excavation ending May 1982

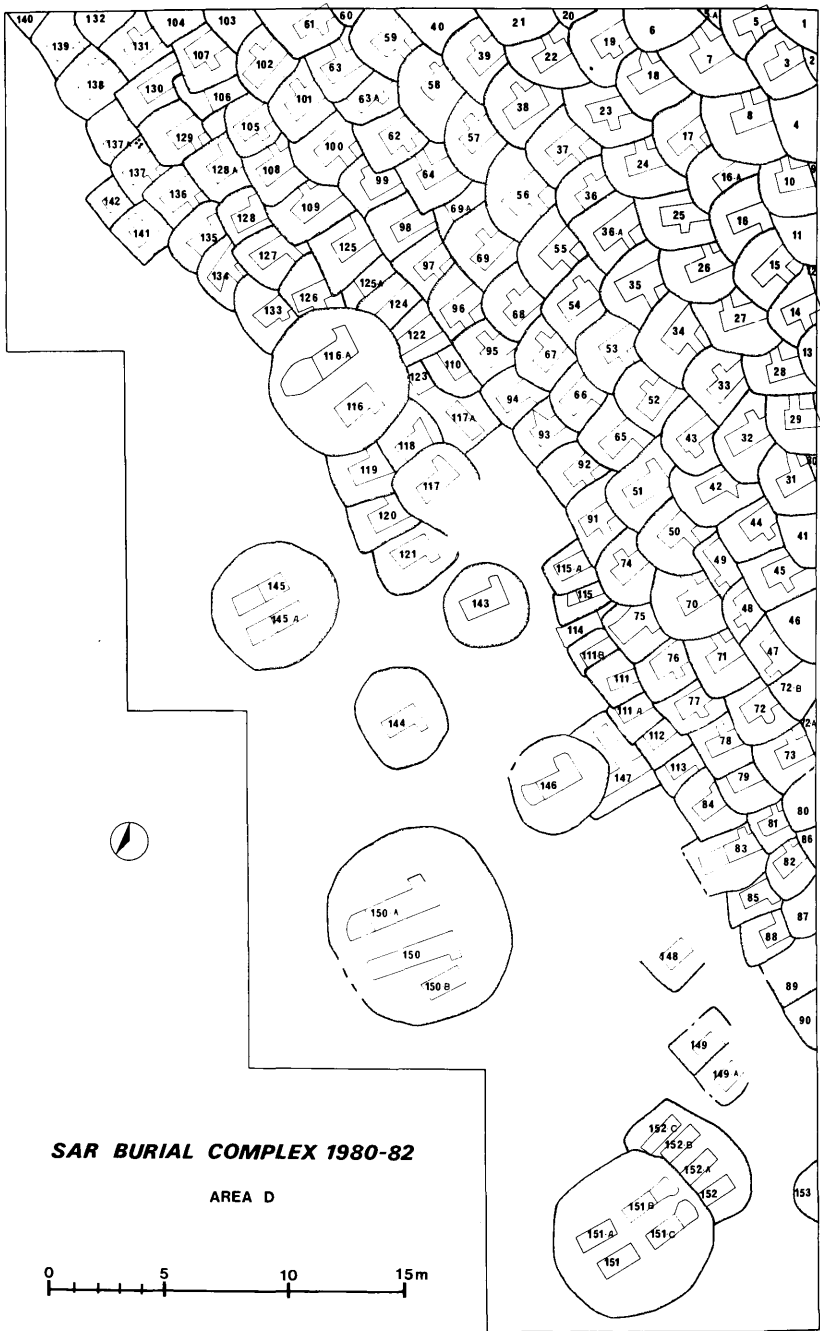


Fig. 5. Outlines of graves and rignwalls at Sar Burial Complex with Burial numbers

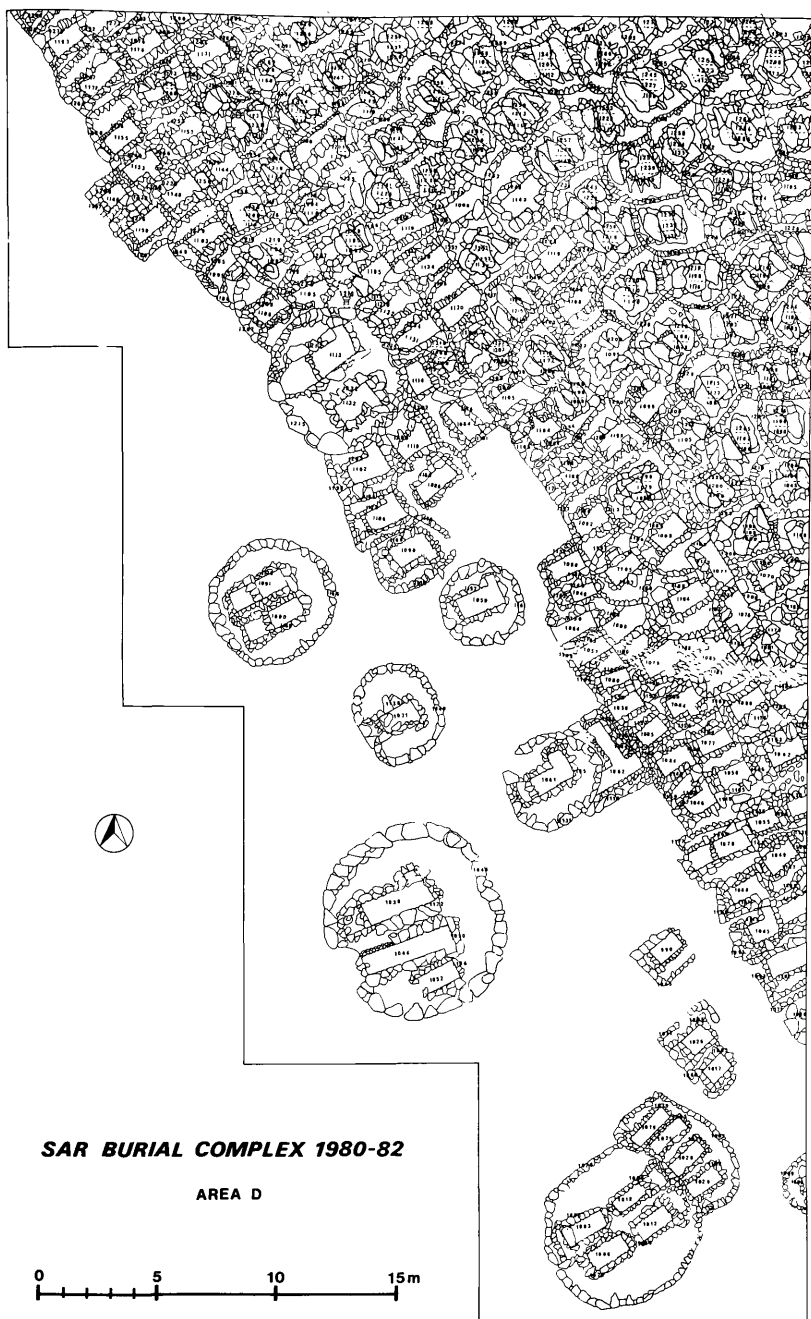


Fig. 6. Relative heights of structural remains at Sar Burial Complex.

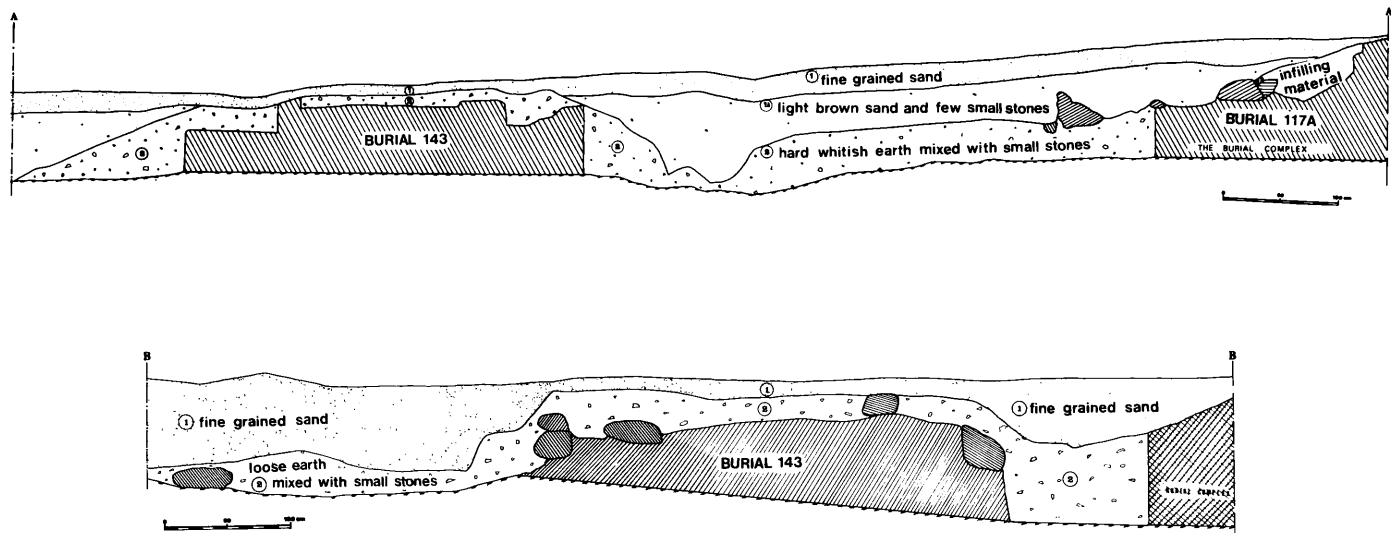


Fig. 7. Sections north-south (AA) and east-west (BB) establishing stratigraphical link between two points of the Burial Complex with tumuli (Burial 143). See Fig. 8. for structural reference.

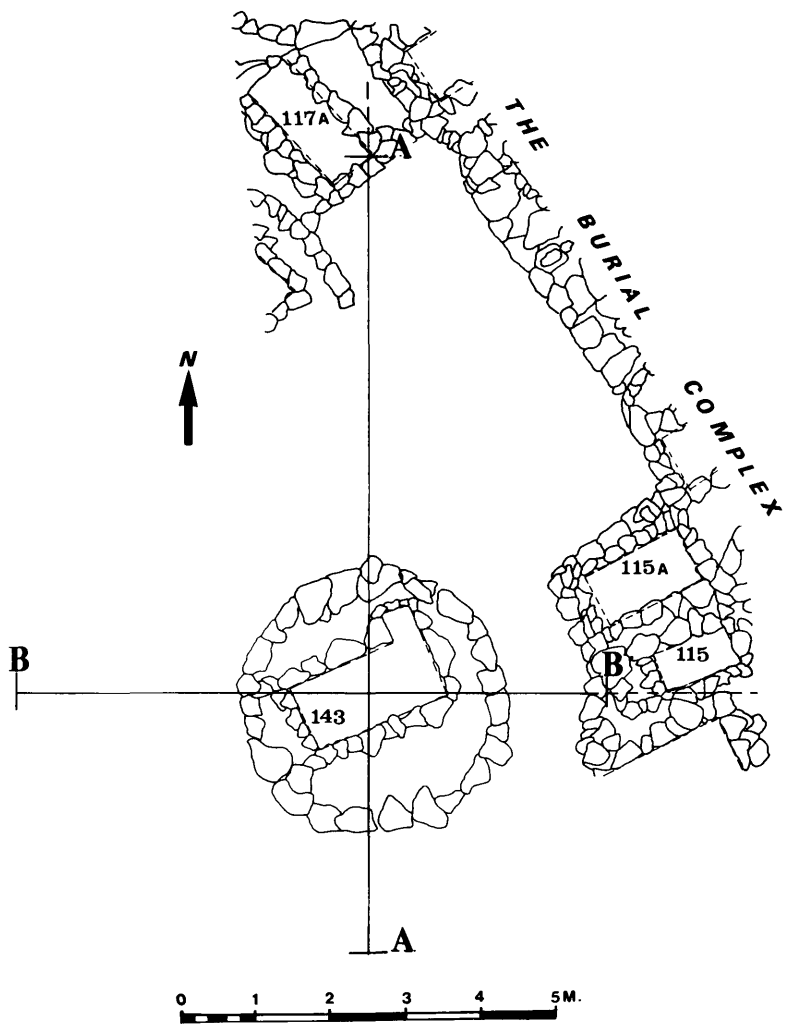


Fig. 8. Points of cross sections (AA and BB on Fig. 7.) from the last limits of the Burial Complex and tumuli.

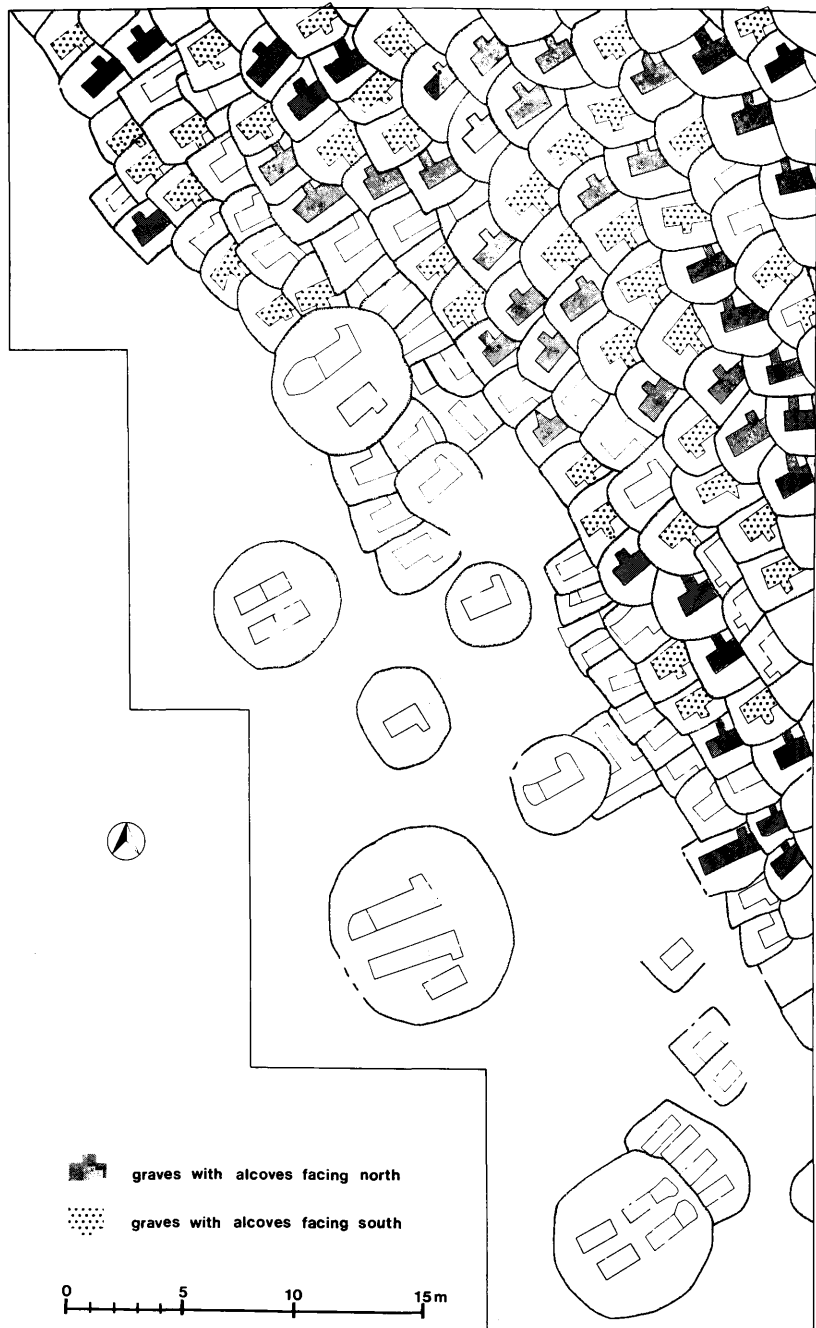


Fig. 9. Distributional patterns of graves with alcoves on north and south in the Burial Complex.

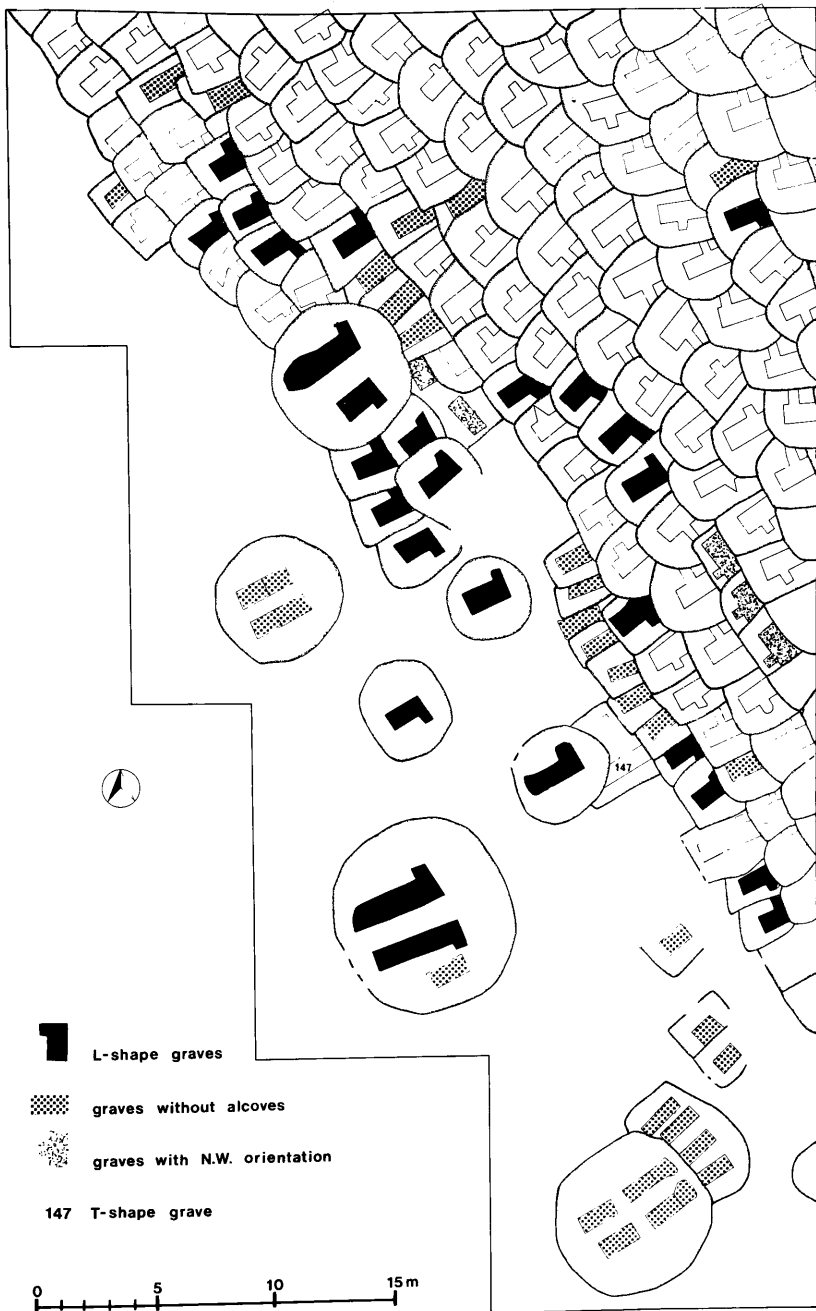


Fig. 10. Distributional patterns of L-shape graves and graves without alcove in the Burial Complex and tumuli.

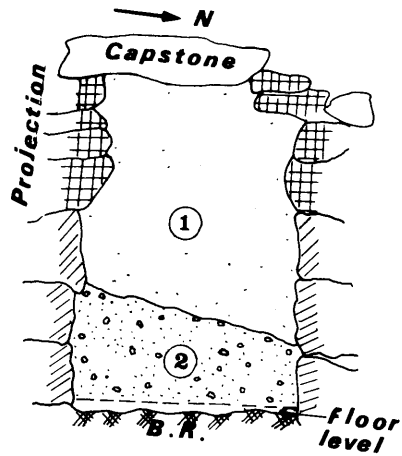


Fig. 11a. Section of deposits inside Burial 10

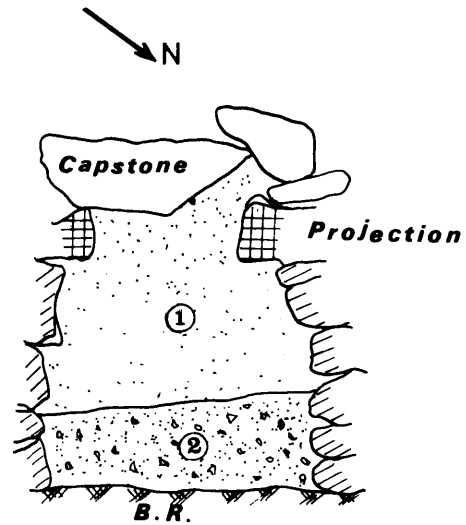


Fig. 11b. Burial 16: Section of deposits inside grave

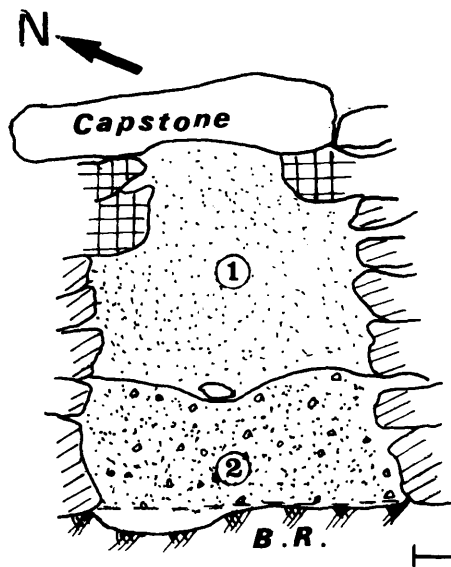


Fig. 12a Burial 29: Section of deposits inside the burial chamber.

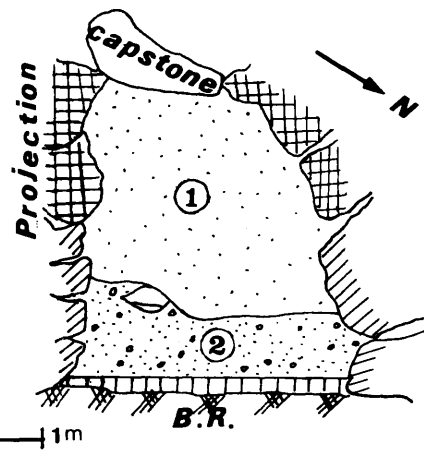


Fig. 12b. Burial 99: Section across the chamber showing floor below Layer (2)

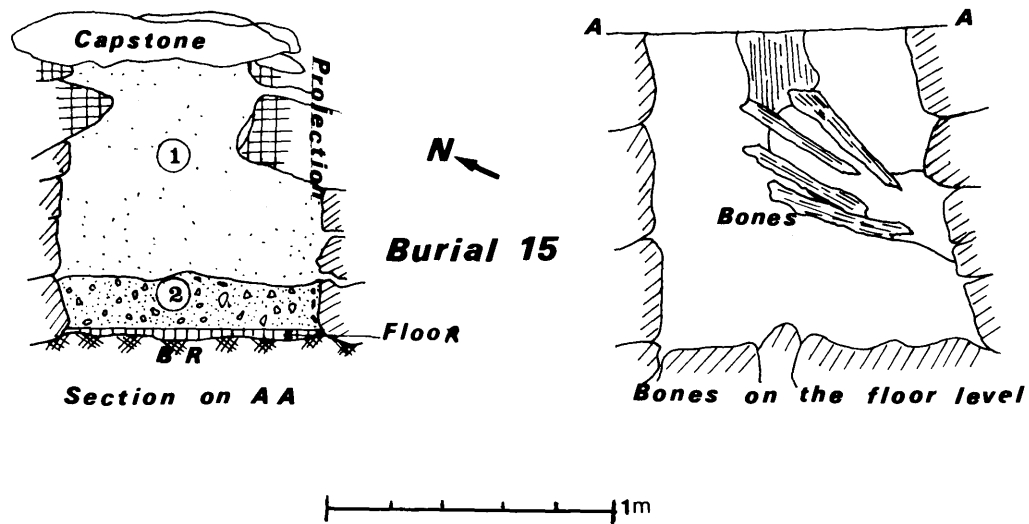


Fig. 13. Burial 15. Half plan of the burial chamber and section of deposits.

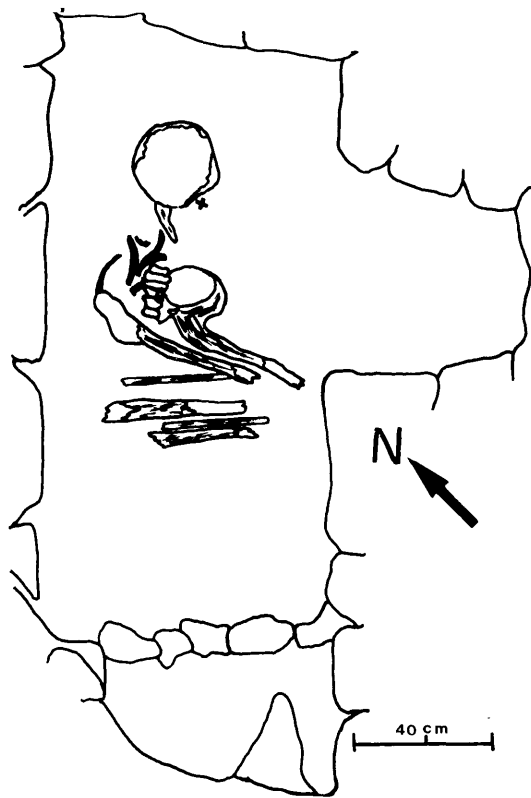


Fig. 14a. Ground plan of Burial 100 with human skeletal remains and stamp seal (+) on the floor.

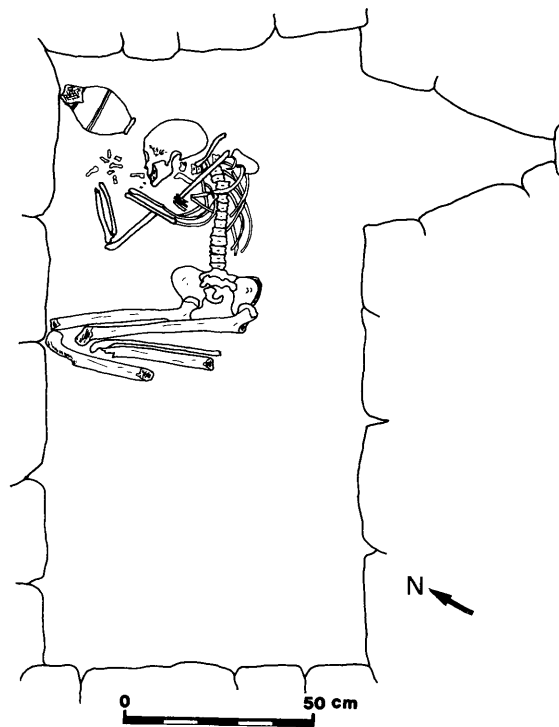


Fig. 14b. Burial 42. Human skeleton and a pottery vessel (of Kassite period) on the floor.

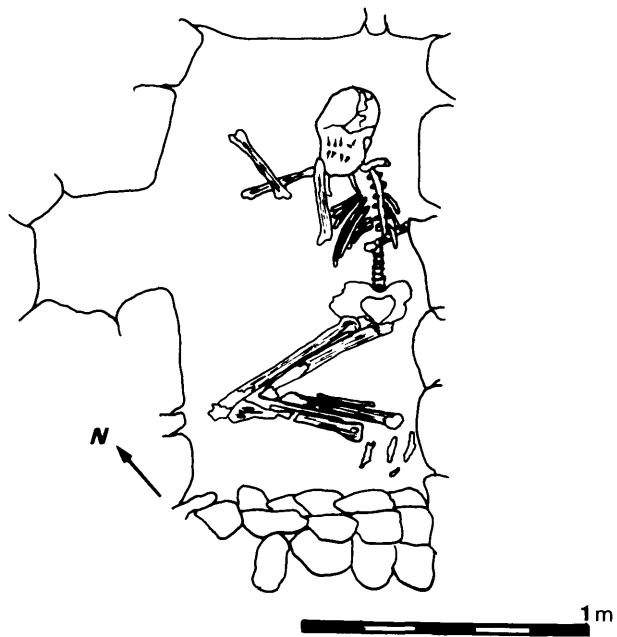


Fig. 15a. The human skeleton in Burial 102.

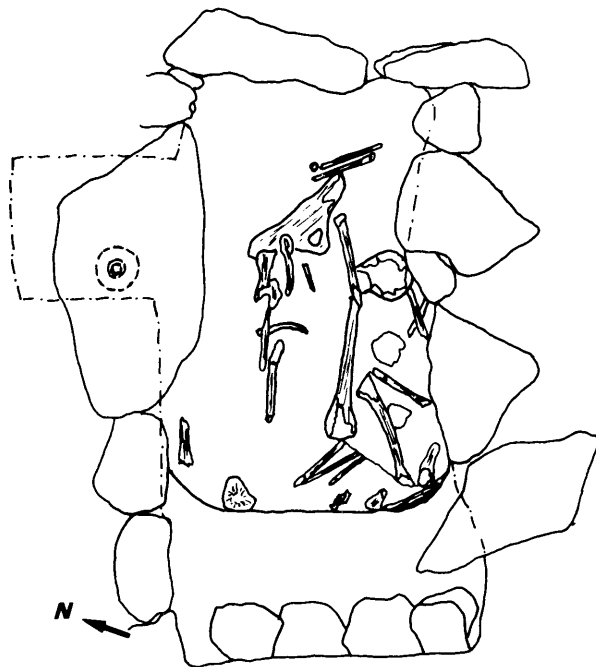


Fig. 15b. Burial 32: human bones on the floor level.

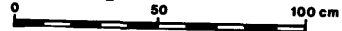


Fig. 16a. Burial 150: Human skulls and post cranial remains on the lime plaster floor. The bones and pottery in the western part are 13-21 cms. higher in depth from those of the eastern part.

Fig. 16b. The ceramics and skeletal remains in the western half up to the burial chamber, corresponding in depth with those of (a) in the eastern part.

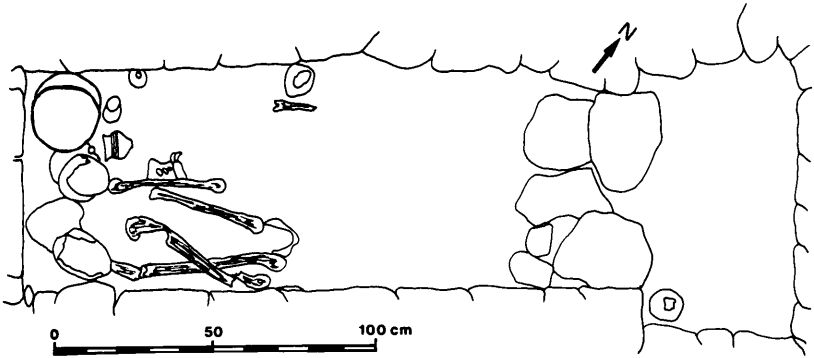


Fig. 17a. Burial 151B. Skeletal remains and funerary objects at higher level above the floor.

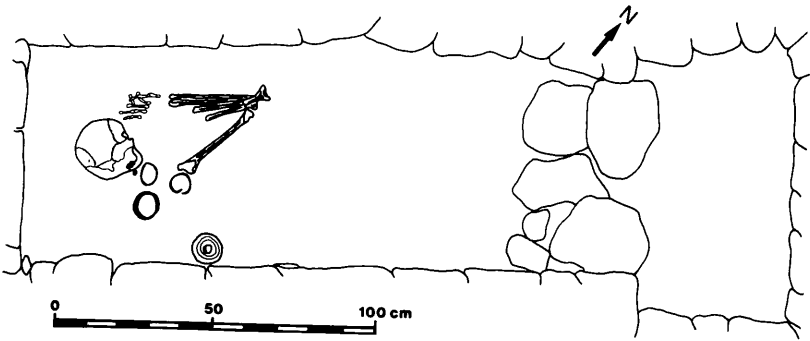


Fig. 17b. Skull and bones of female with jewellery and pottery on the floor.

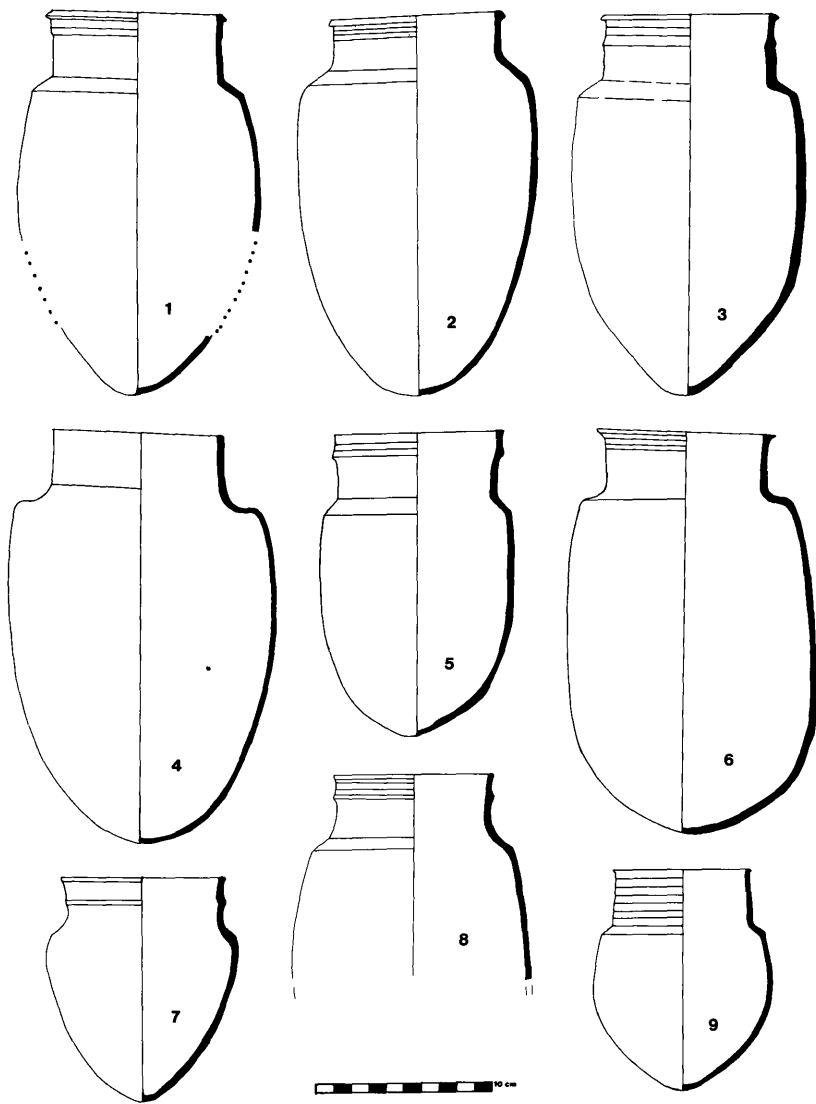


Fig. 18. Red Barbar wares with cylindrical body and pointed or round base. No. 7. is from Burial 145 of the tumuli.

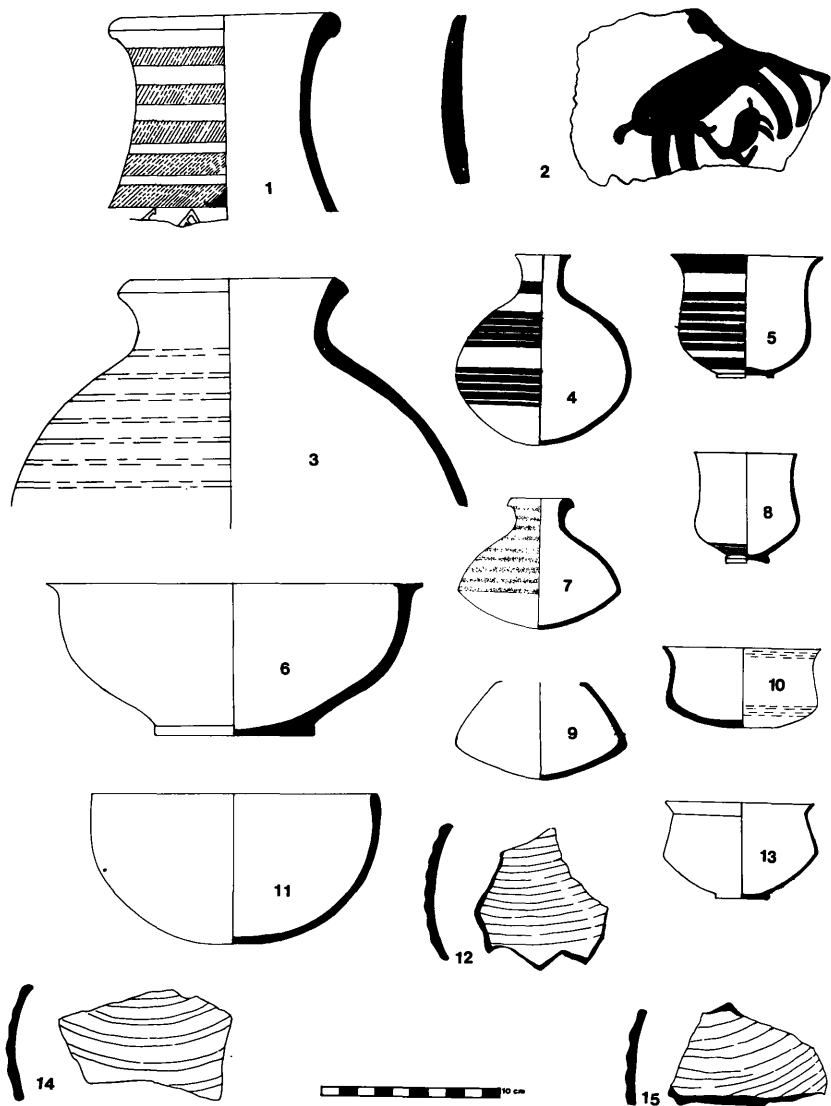


Fig. 19. Plain painted red and buff slipped wares and ridged pottery of the Barbar period from the Burial Complex and tumuli.

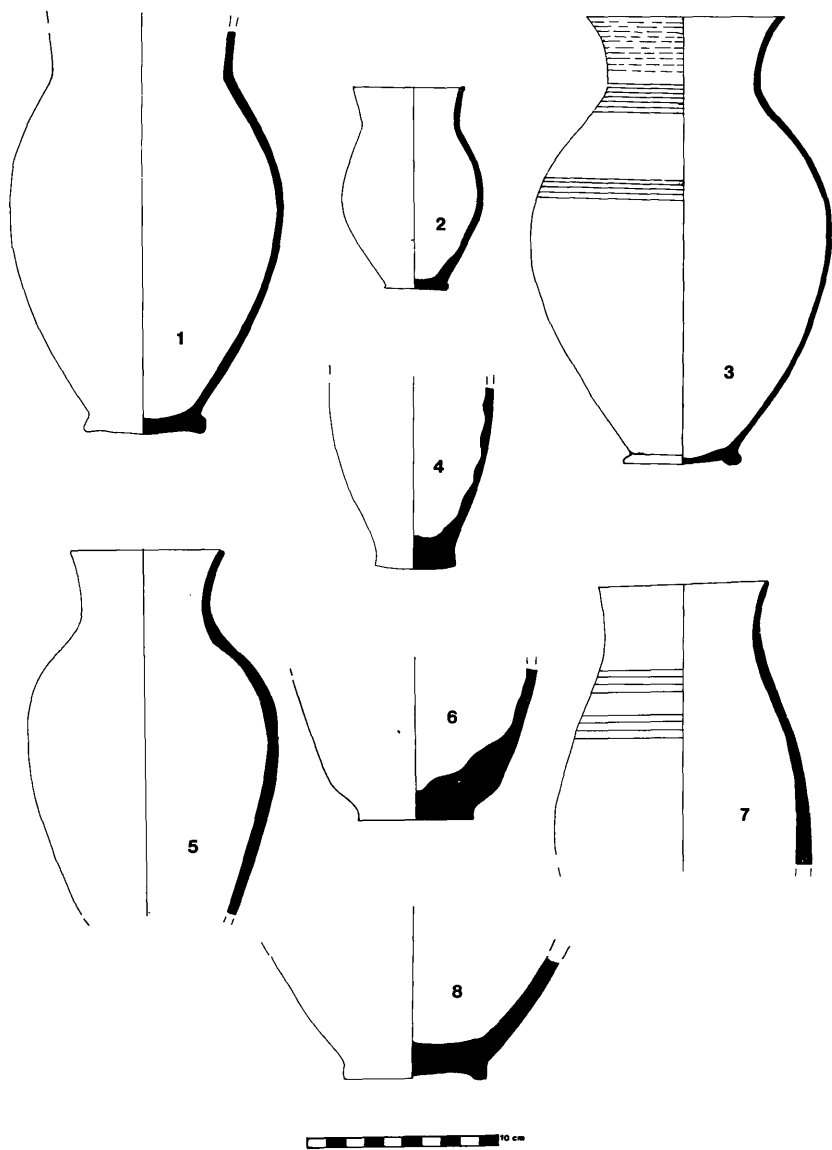


Fig. 20. The Kassite wares from the tumuli and Burial 42 of the Burial Complex.

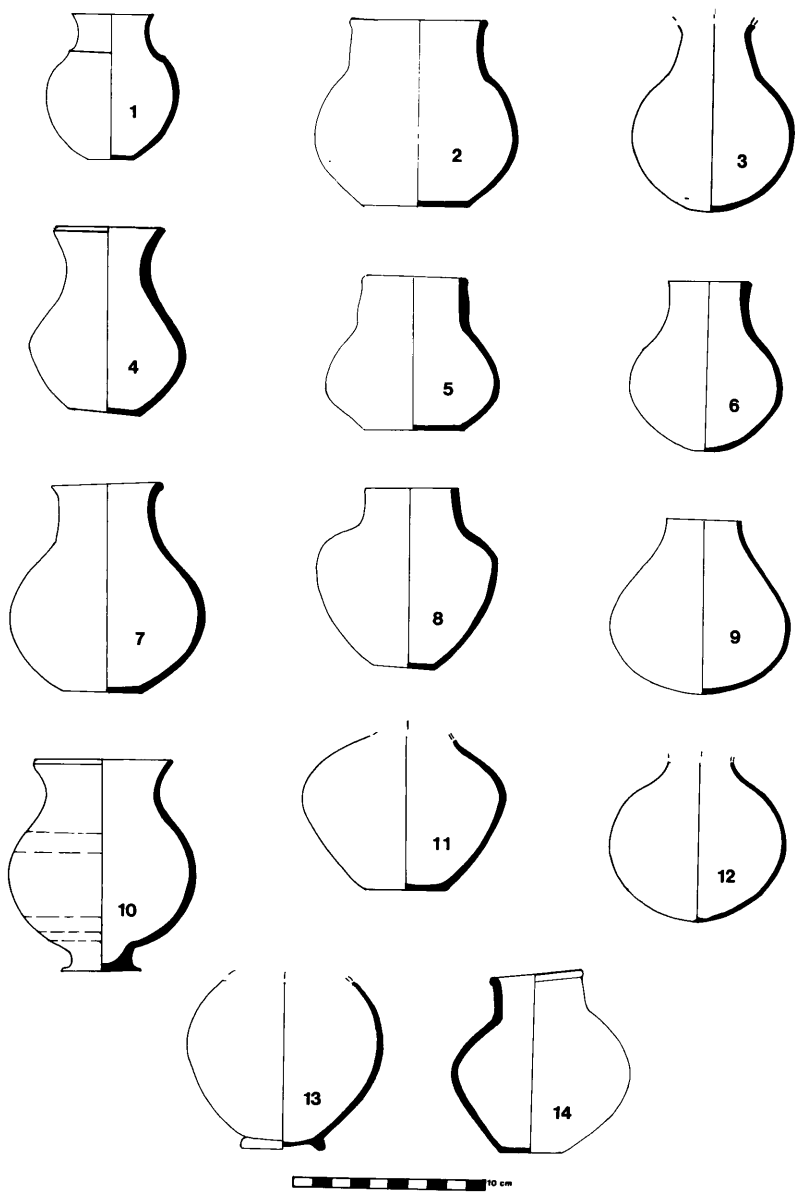


Fig. 21. Small vases, globular and pear-shaped, from the Burial Complex and tumuli.



1



2



3



4

Fig. 22. Human and animal motifs on the Dilmun stamp seals.



1



2



3



4



5

Fig. 23. Human, animal and other motifs on the Dilmun seals

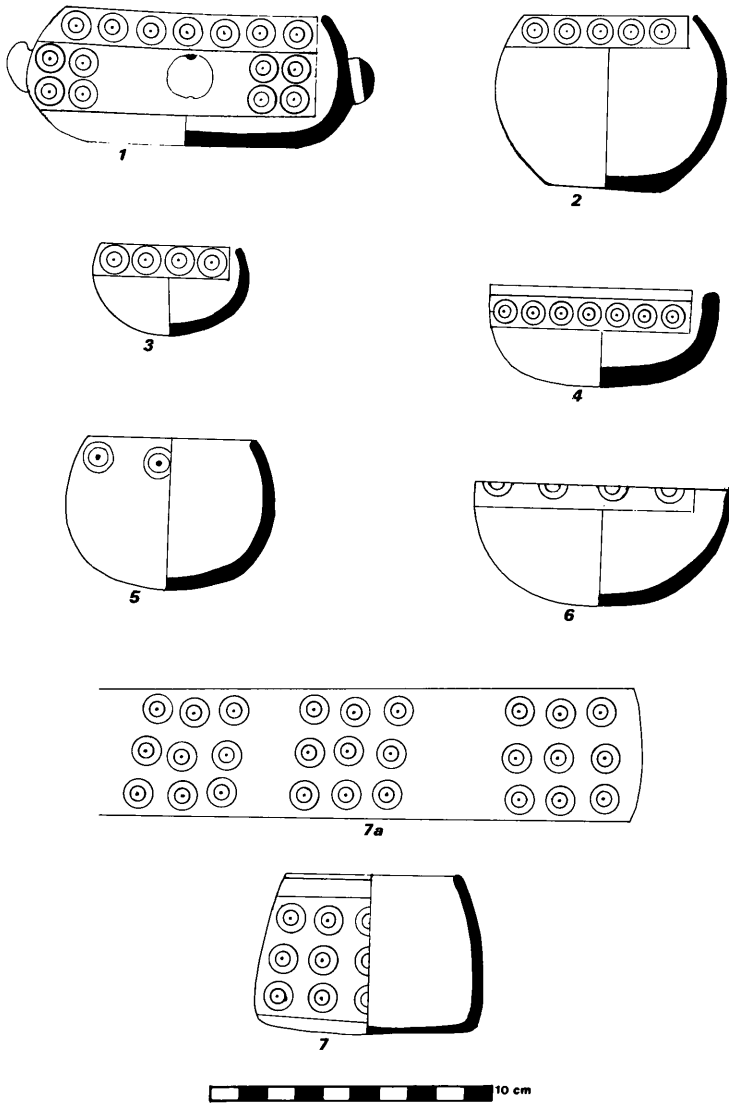


Fig. 24. Steatite vessels with decorated external surface.

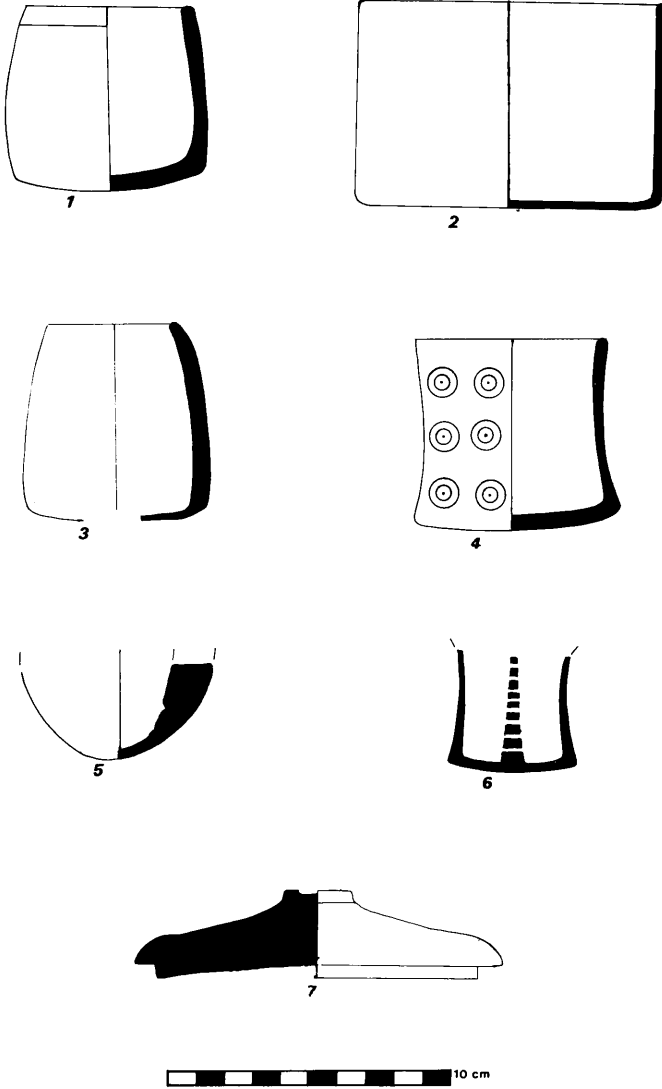


Fig. 25. Steatite vessels, plain and decorated.

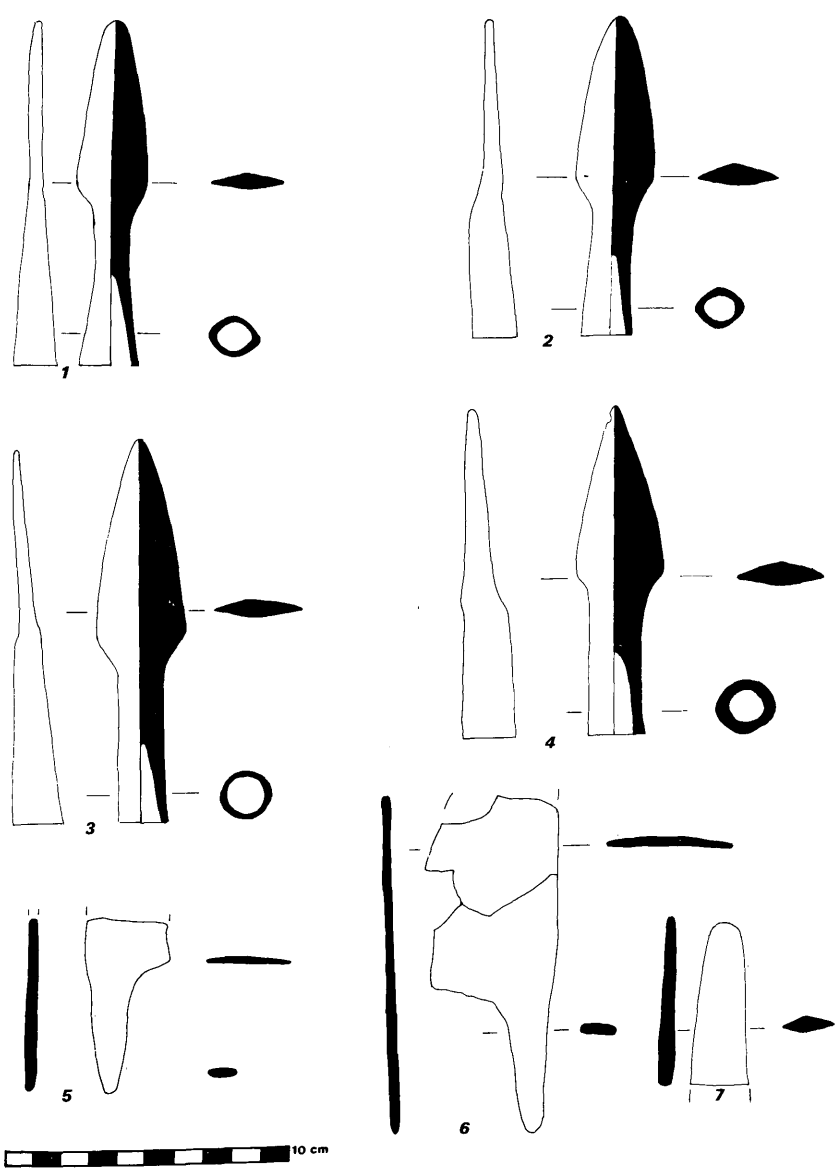


Fig. 26. Copper /bronze spearheads and knives.

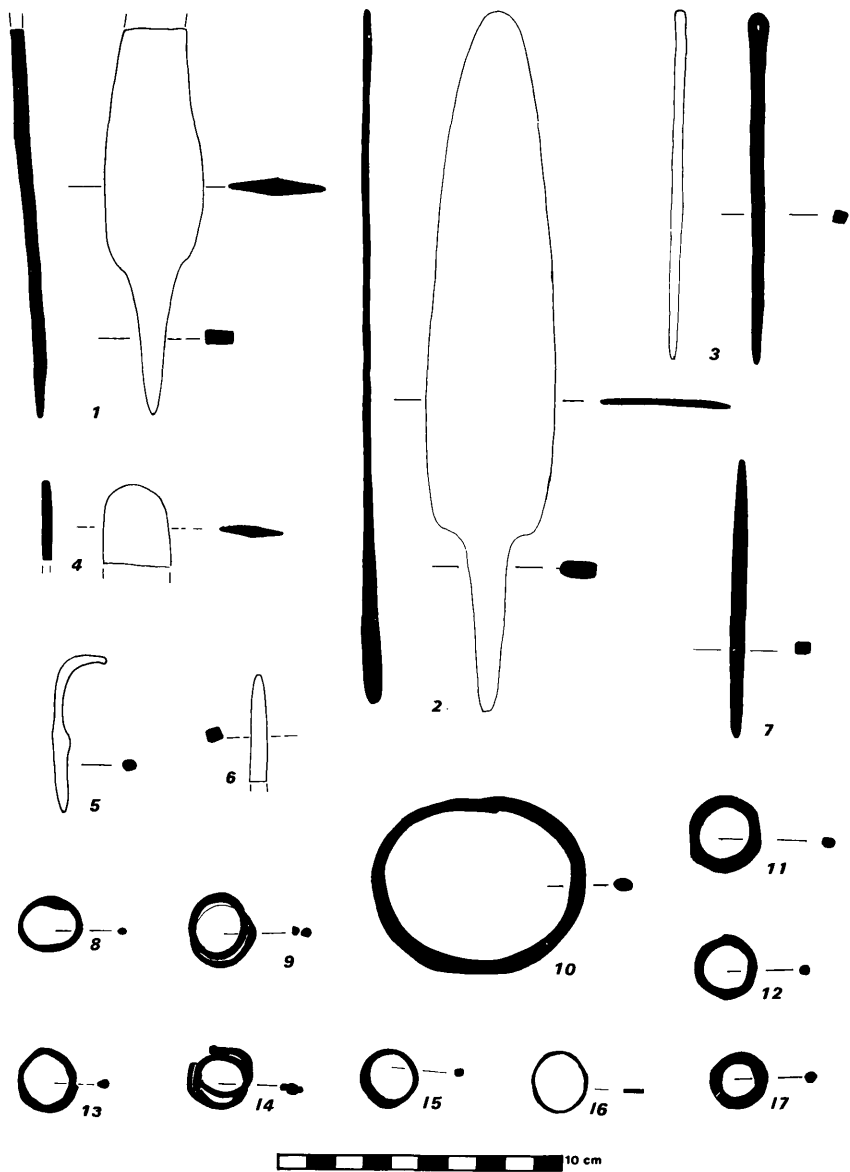


Fig. 27. Copper /bronze daggers, needles, bracelets and rings.

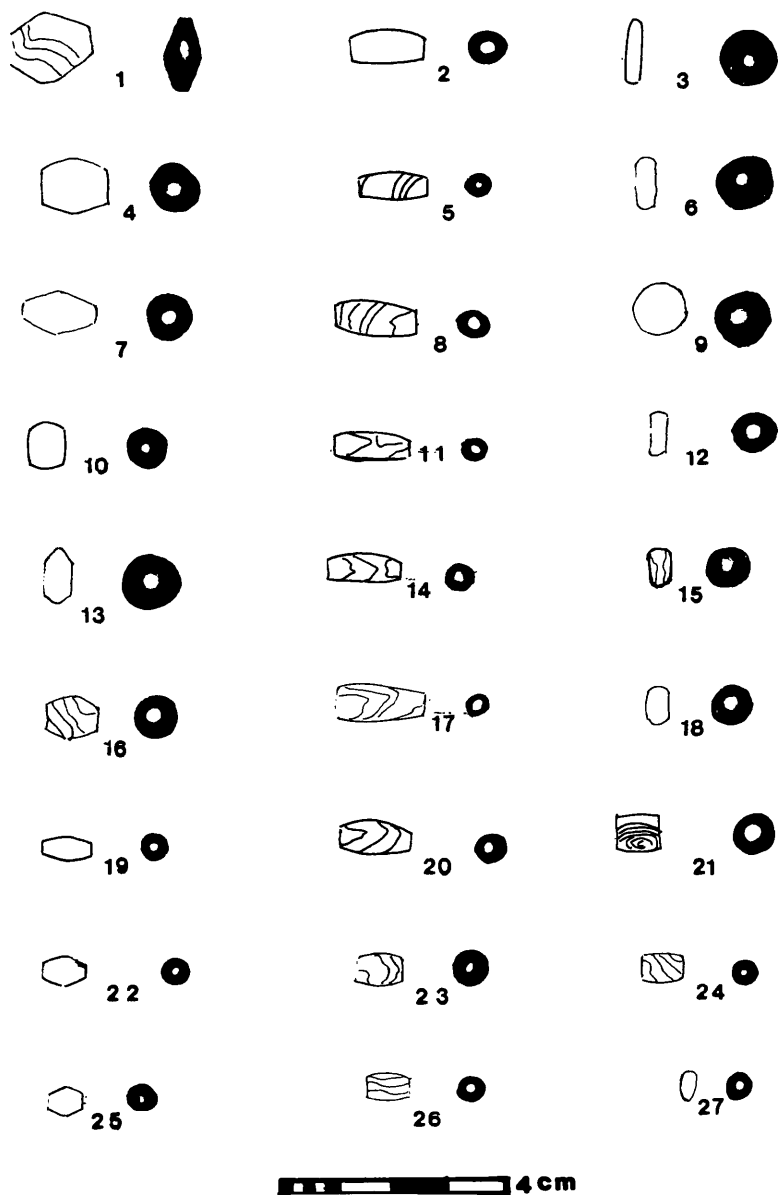


Fig. 28. Miscellaneous beads from the Burial Complex and tumuli.

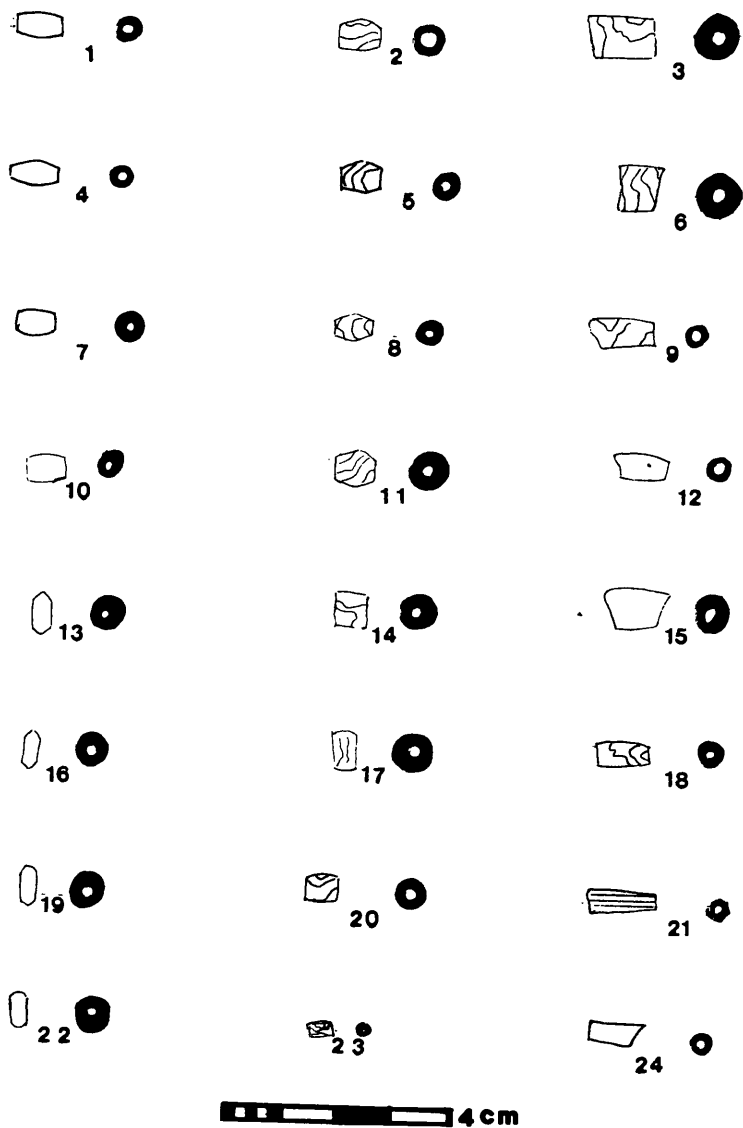


Fig. 29. Beads of various shapes and materials from the Burial Complex and tumuli.

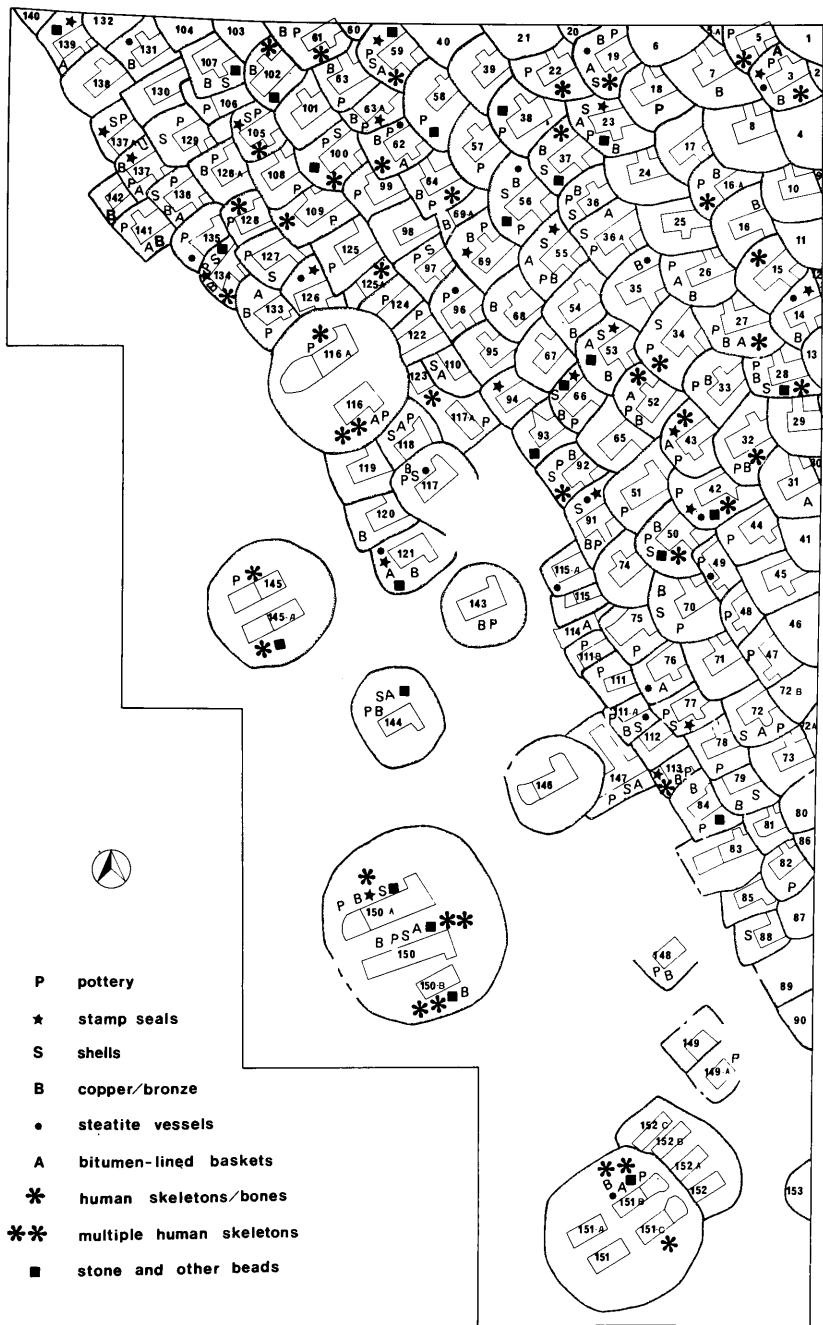


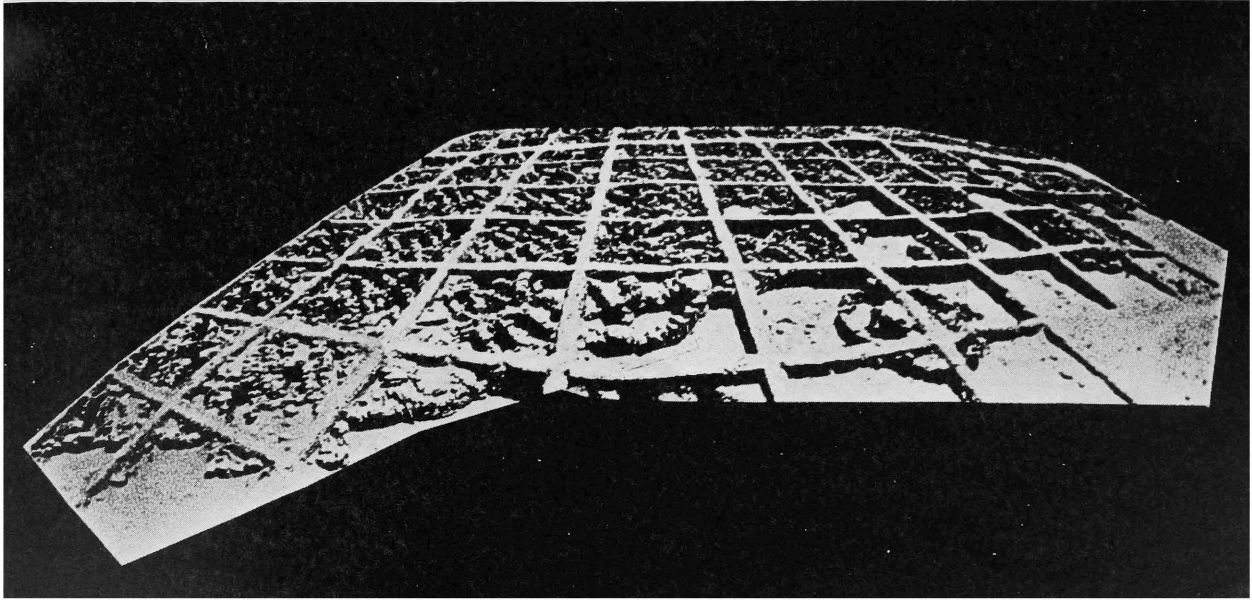
Fig. 30. Distribution of various categories of funerary objects in the Burial Complex and tumuli at Sar.

P L A T E S

I — LIV

SCALES SHOWN IN PHOTOGRAPHS

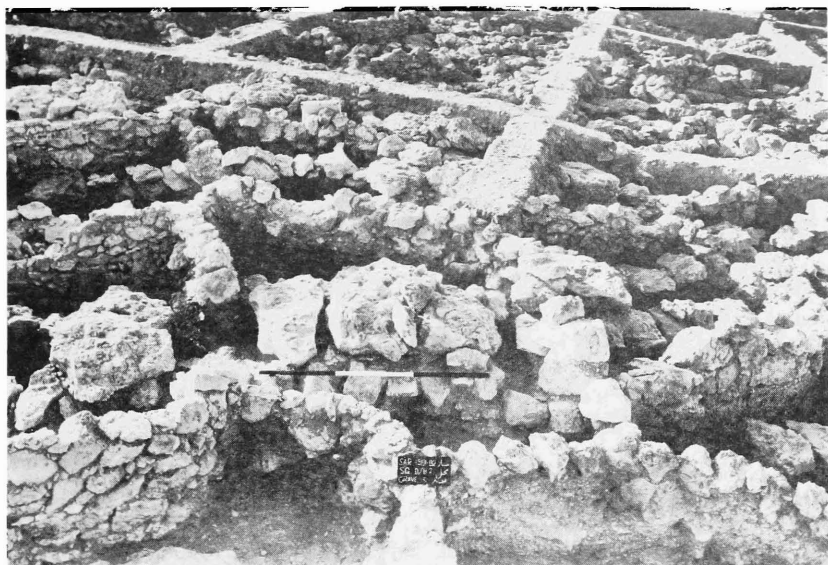
Ranging (Survey) rod:	Division of 50 cm. each (2 metres long)
Rod of three divisions:	1.50 metres long.
Rod of four divisions:	1 metre long.
Square small rod:	50 divisions of 1 cm each.
Small ruler of 5 divisions:	25 cm. long.
Very small scale:	Division of 1 cm each
Arrow where shown points to North	



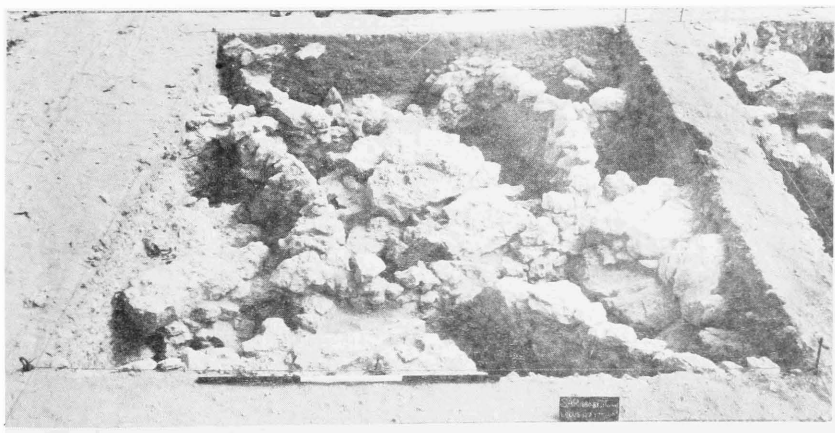
The Sar Burial Complex, Area D and tumuli (in foreground) as revealed at the end of 1980-81 season of excavation before removal of the baulks. View from W.



General view (from West) of structural remains after completion of excavations in May 1982. Also shown are squares of Area A (on left) and Area C (dug background)



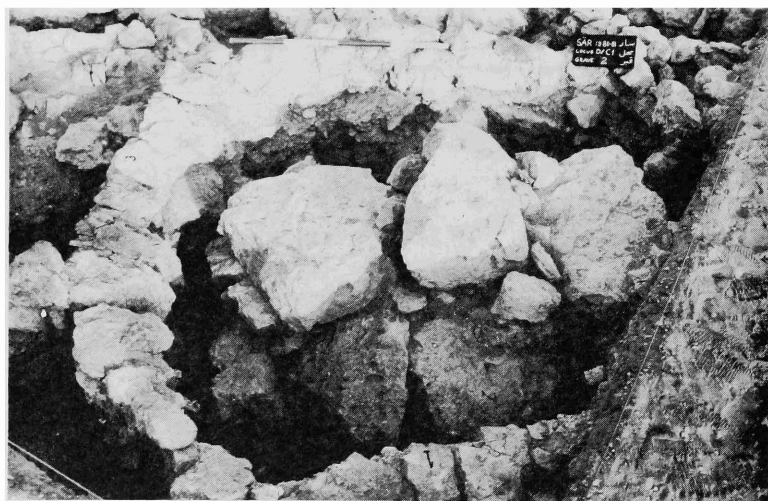
a. Burial 23. The capstones on the grave with small stones to fill up the gaps. View from NW.



b. Burial 22. The position of capstones on the grave. View from W.



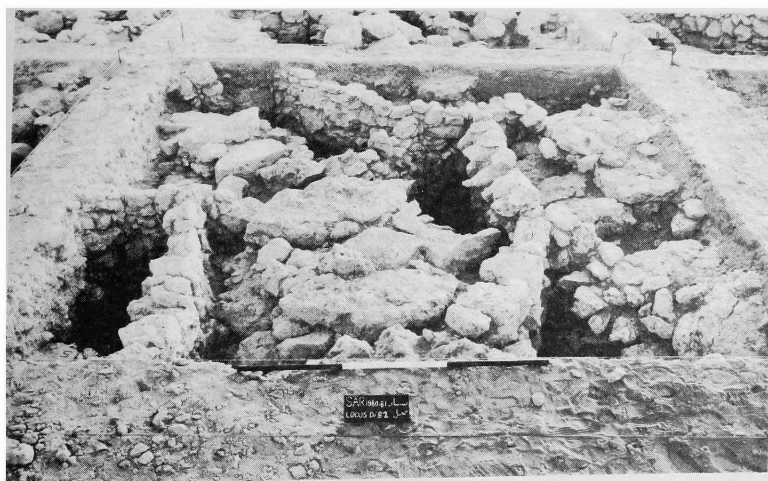
a. *The capstones on projecting courses of Burial 35, showing small stones placed under the capstones to keep them in position. View from W.*



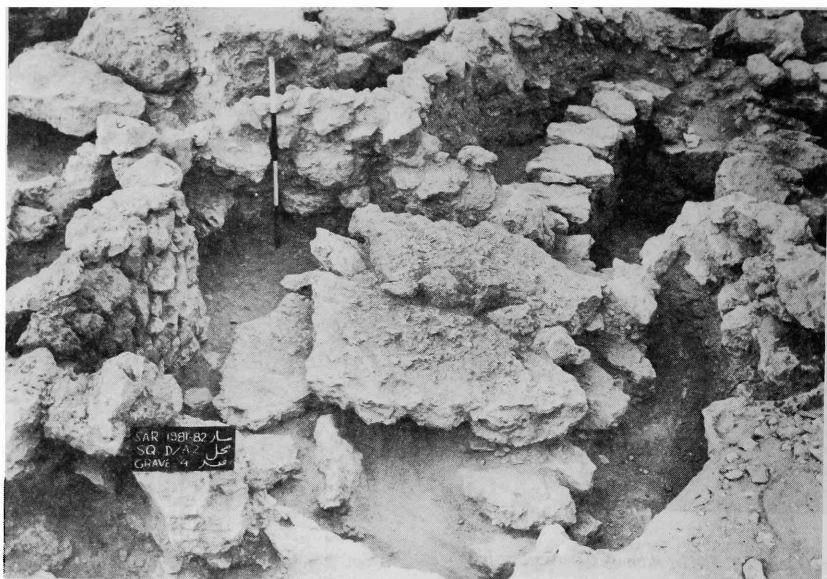
b. *Burial 14. Capstones and small stones infilling. View from S.*



a. Burial 28. The broken western end from where the grave was robbed in antiquity. View from W.



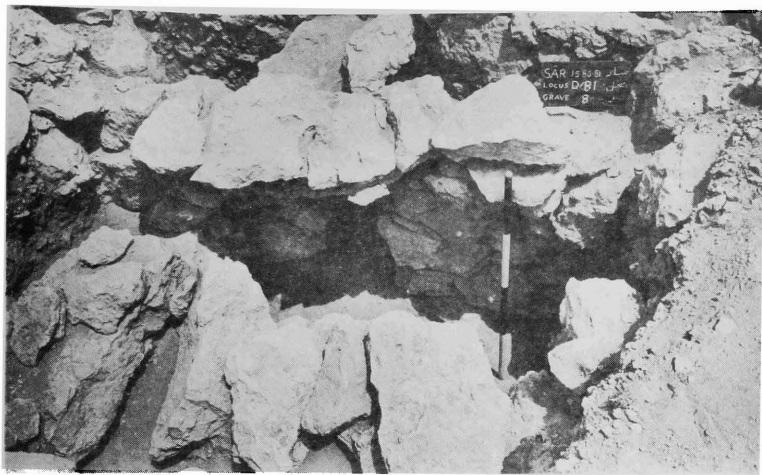
b. The capstones of the graves (with small stones and of alcove (on left). Burial 24. View from W.



a. Disturbed grave on eastern side with two capstones still intact. The stone on the left is on the alcove below. Burial 19. View from NE.



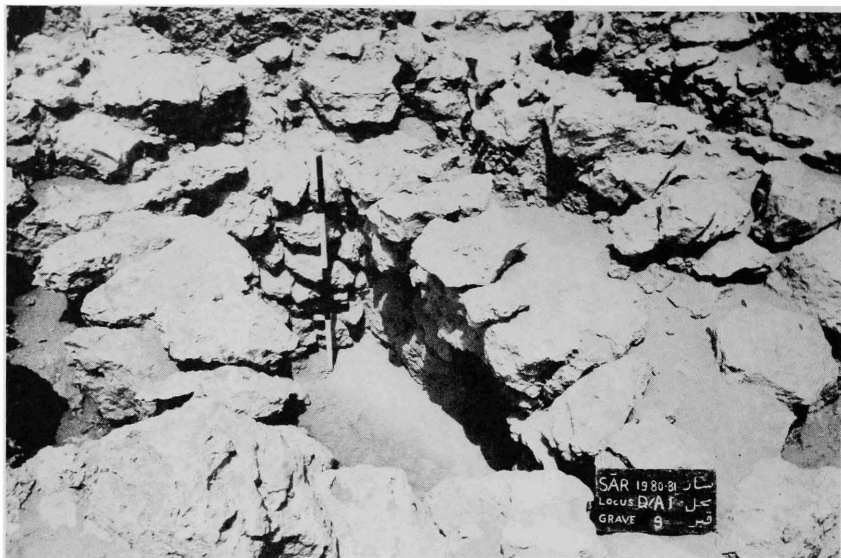
b. Western side of disturbed grave. (Burial 25). In the foreground is the capstone on Burial 36a against the ringwall of Burial 25. View from W.



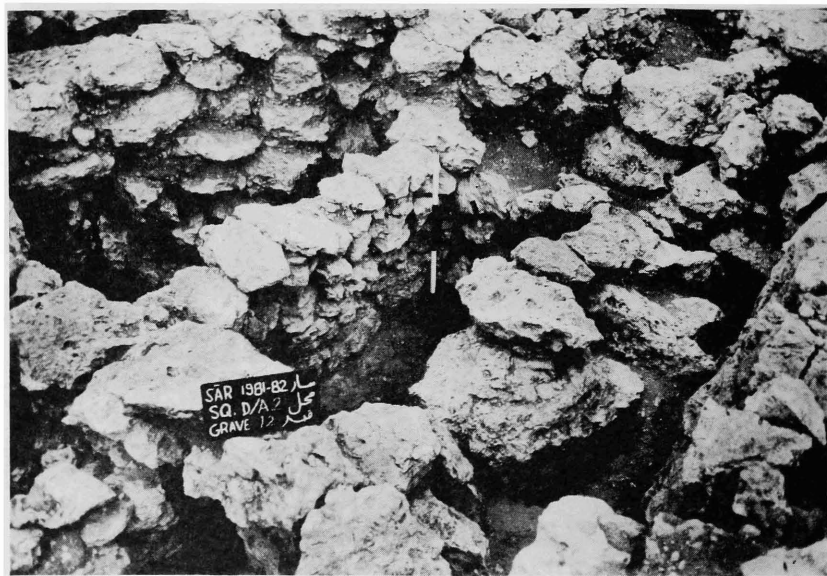
a. The northern wall of the grave chamber (Burial 10) with alcove on north. View from S.



b. The northern wall of Burial 105 showing interspaces filled with small stones. View from SE.



a. Burial 3. Northern wall showing courses of large stones above the bedrock, and irregular face of the western partition wall. View from E.



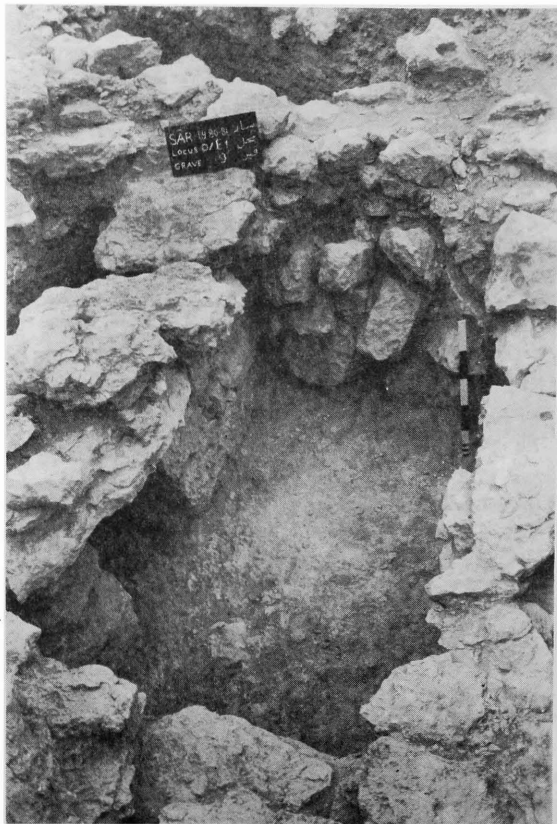
b. The masonry of southern wall of the chamber. Burial 7. View from NE.



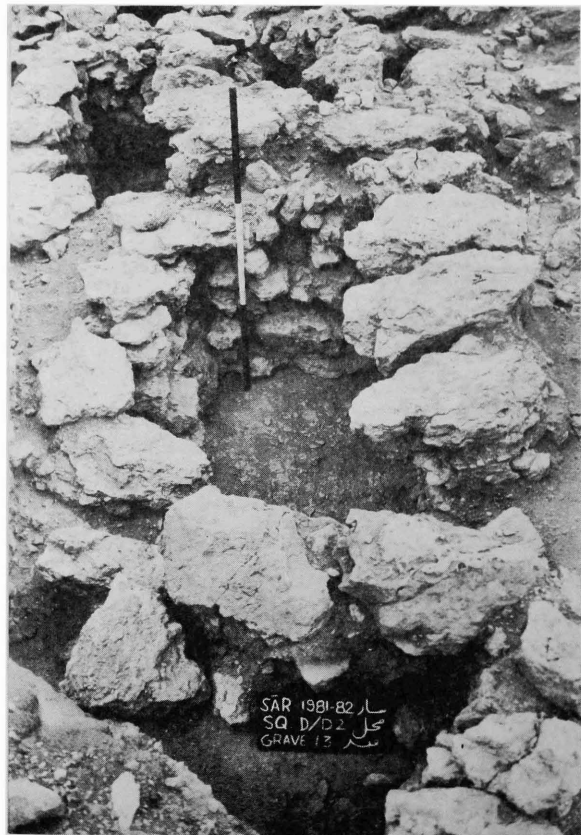
a. Burial 22. The southern and western walls of the chamber built above the bed rock. View from NE.



b. Narrow chamber of Burial 115 with secondary bed rock surface. View from W.



a. Burial 44. Face of western wall between long walls and secondary bed rock surface. View from NE



b. Burial 34. Irregular face of western wall built between two long walls of the chamber. View from NE.



a. Burial 43. Courses of projecting stones above the vertical walls of grave chamber. View from SW.



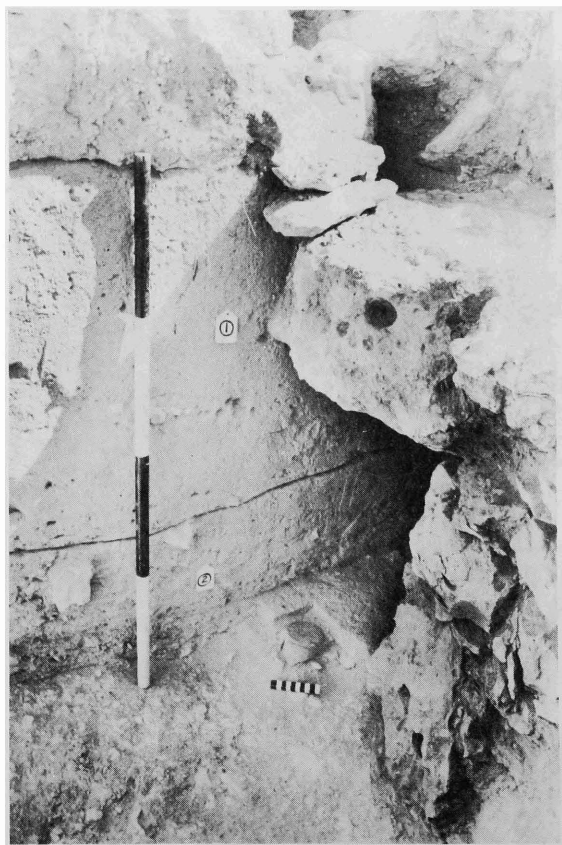
b. Burial 15. The projecting stones, the large slab on right also covers the alcove. View from SW



a. *Burial 31. Two courses of projecting stones showing maximum reduction of width of burial chamber before capstones sealed the grave. View from W-SW.*



b. *Burial 14. A large projecting stone also used as capstone of the alcove and showing small stones at the base of capstone, for stability. View from SW.*



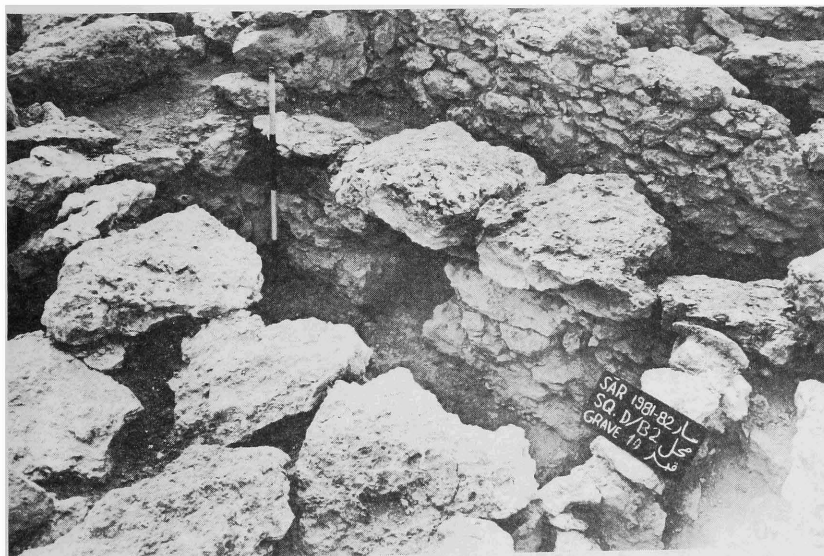
a. Burial 62. Section across the grave and alcove below capstone showing floor level and bed rock surface. View from NW.



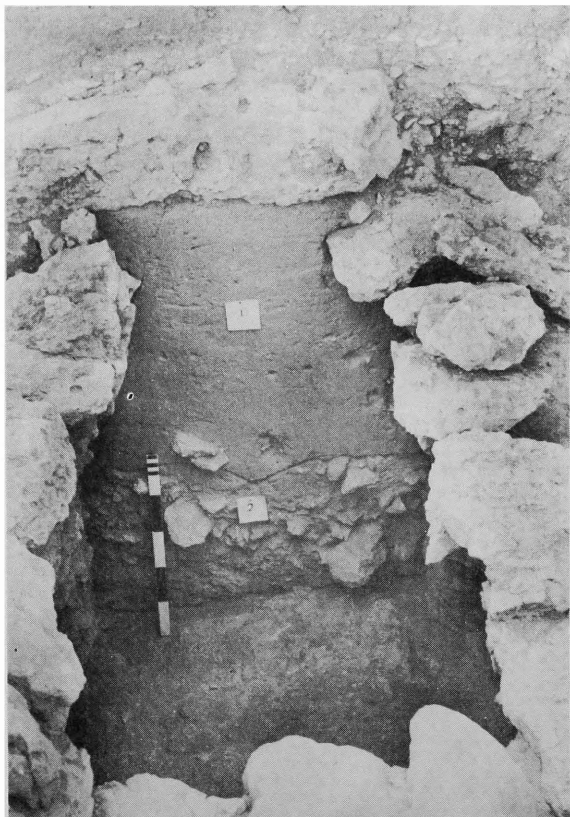
b. Burial 62 after removal of section showing re-use of ringwall of Burial 58



a. Alcove of L-shape grave and single-coursed partition wall on west of Burial 135. View from S



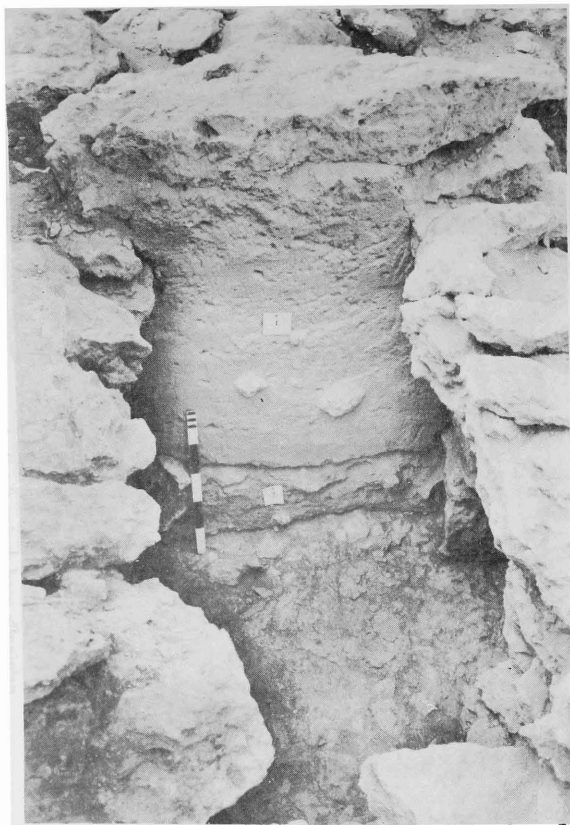
b. Alcove in southern wall of Burial 36A reaching up to the face of ringwall of Burial 35. View from NW.



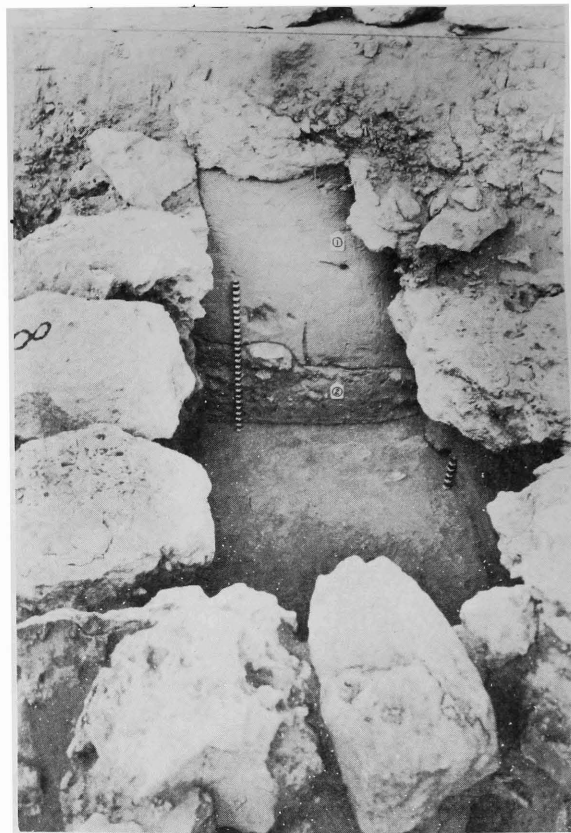
a. Burial 29. Section of two principal deposits (1) sand and (2) earth and fallen stones in the grave below the capstone. View from W.



b. Burial 16. Section across the grave showing earth and stones on the bed rock and mainly sandy deposit above. View from NE.



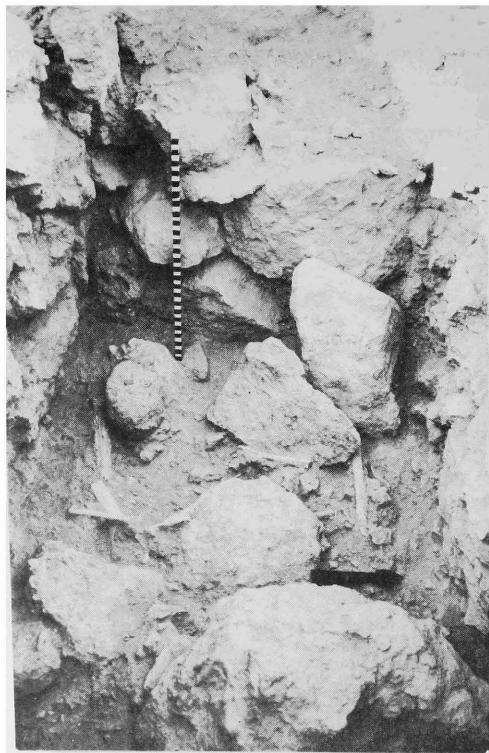
a. Stratigraphy inside the grave of Burial 17. View from SW.



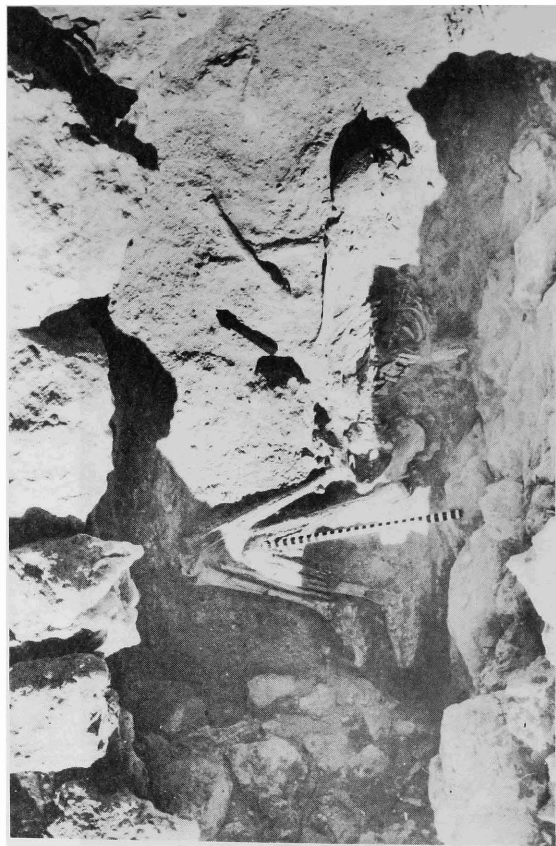
b. Burial 99. Stratigraphy of the burial chamber. View from NE.



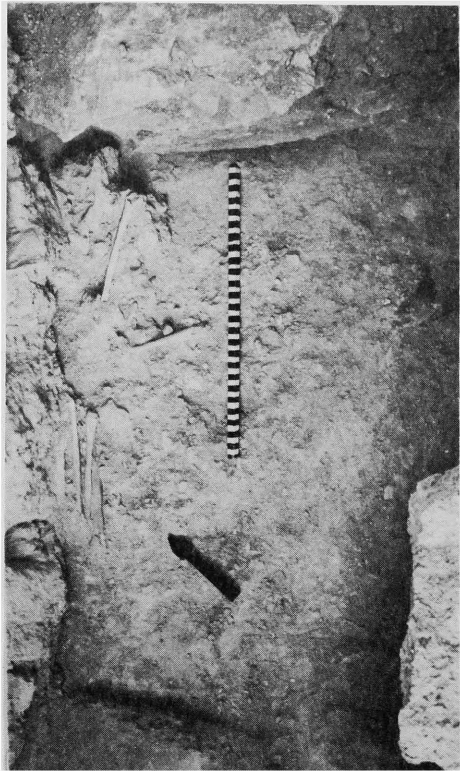
Burial 42. Human skeleton with characteristic Kassite pot lying over and above floor level originally used during the Barbar period. View from SW.



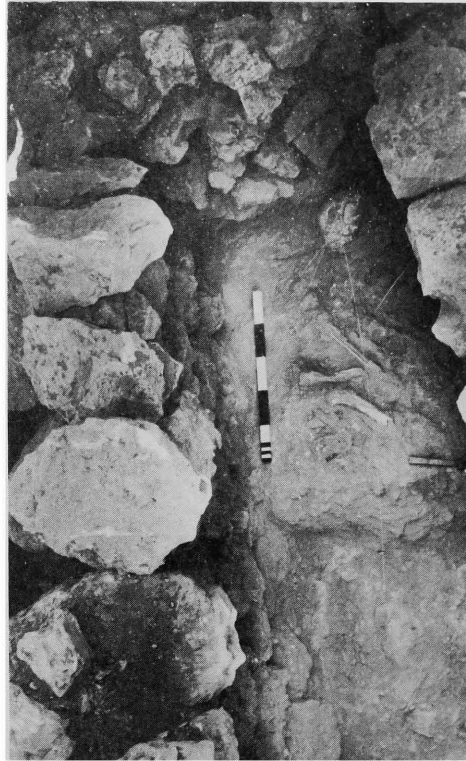
a. Fragments of human skeleton with stones fallen from the western partition wall. Burial 22. View from NE.



b. Burial 102. Human skeleton on the floor level. View from SW.



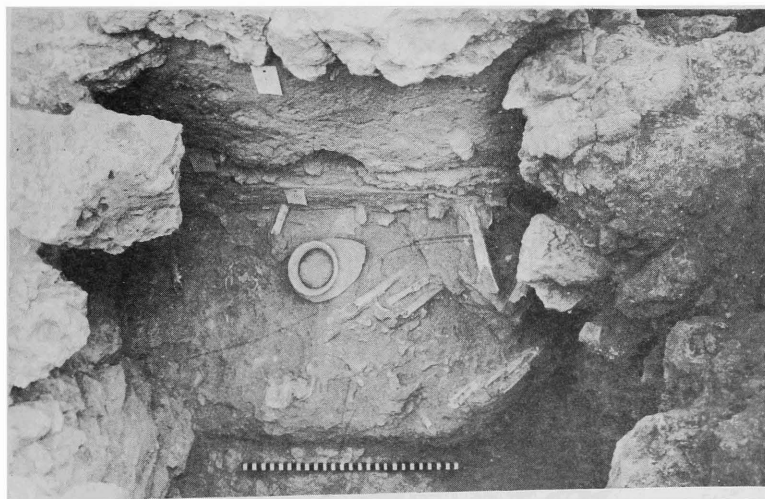
a. *Burial 50. Human skeletal remains on the floor. View from top SW.*



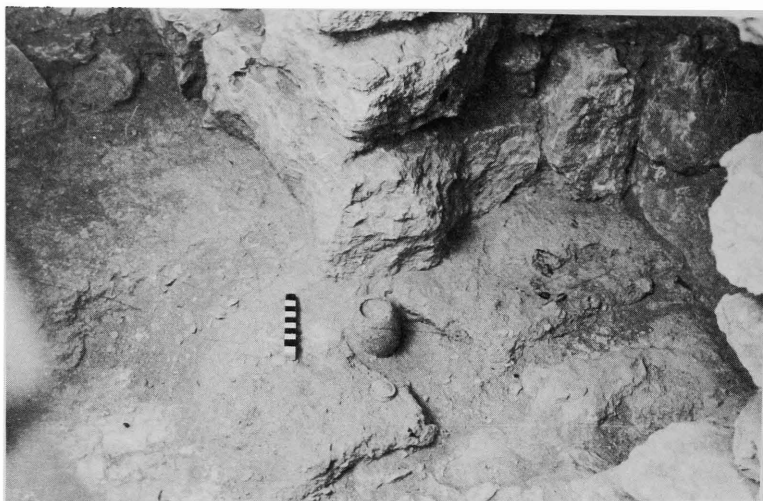
b. *Burial 52. Human crania and bones on the floor level. View from top S.*



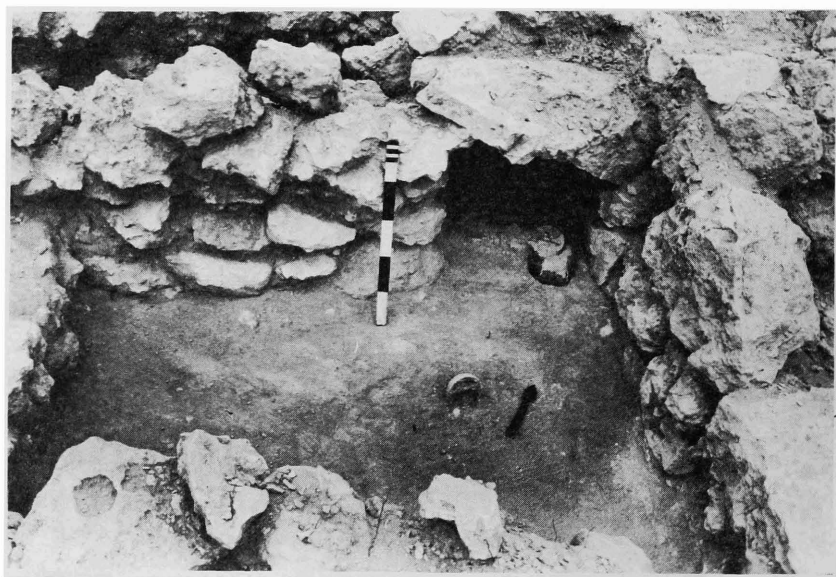
a. *Burial 82. Human bones found in earth deposit (2) above the bed rock. View from top S.*



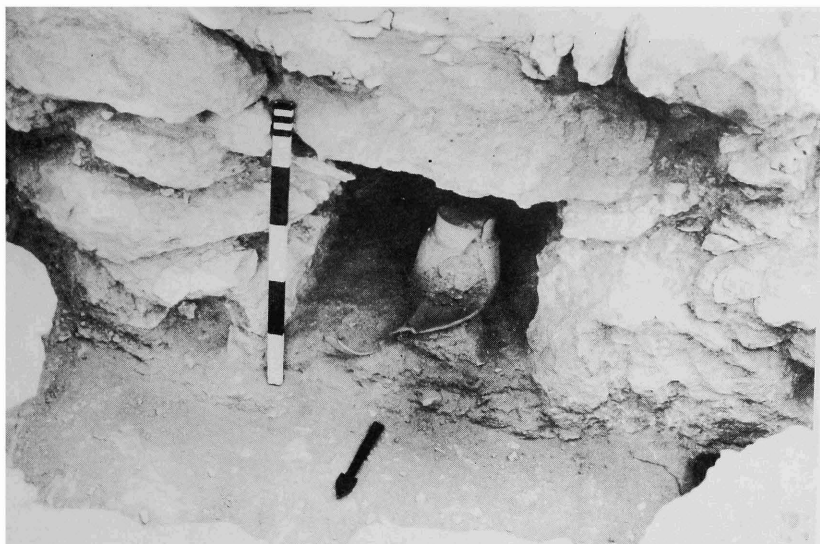
b. *Burial 32. Human bones and neck of pottery vessel below sand deposit (1). View from NE.*



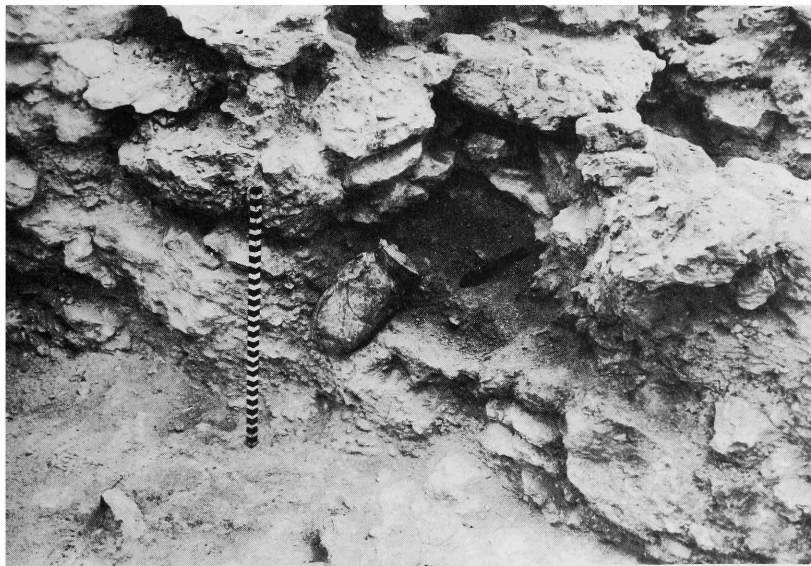
a. Funerary objects, stamp seal, steatite vessel, bitumen lined basket and shells inside and in-front of alcove of Burial 14.



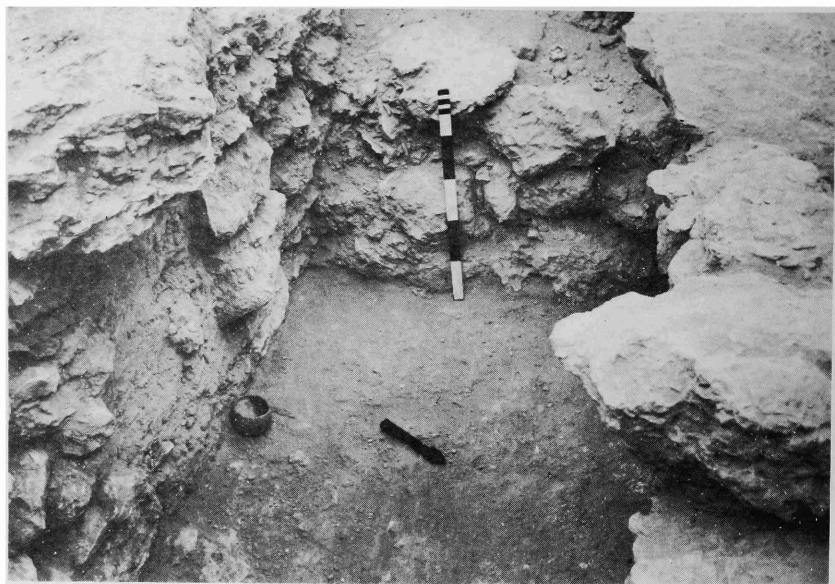
b. Burial 84. 'Barbar' ware pot in the alcove and steatite cup.



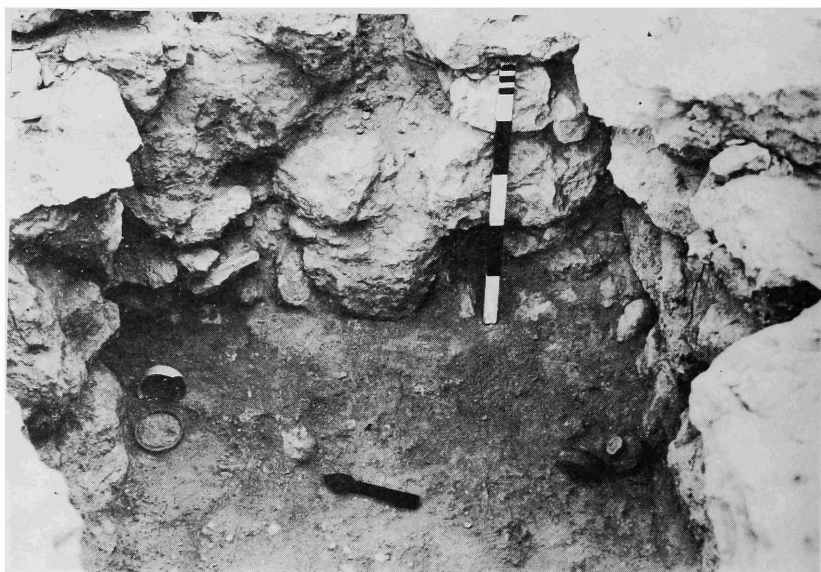
a. Burial 105. 'Barbar' ware pot in the alcove.



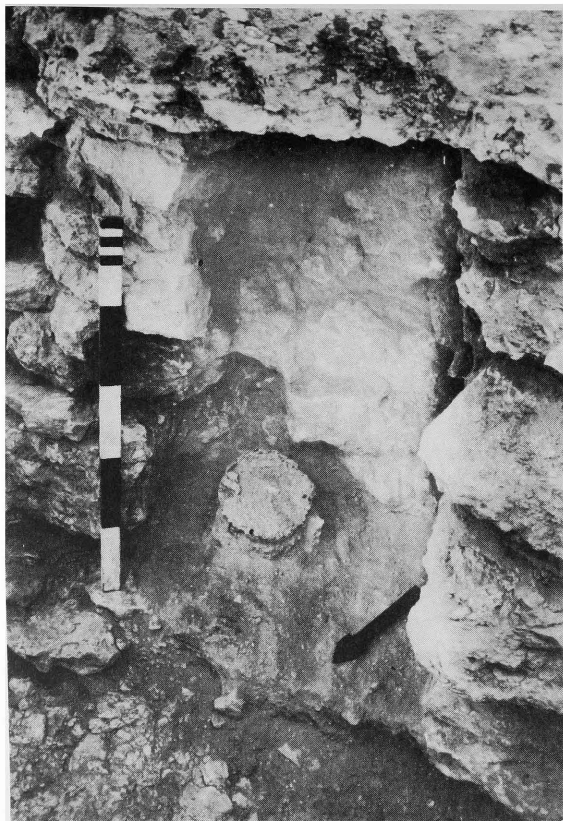
b. Burial 77. 'Barbar' ware pot at the mouth of alcove.



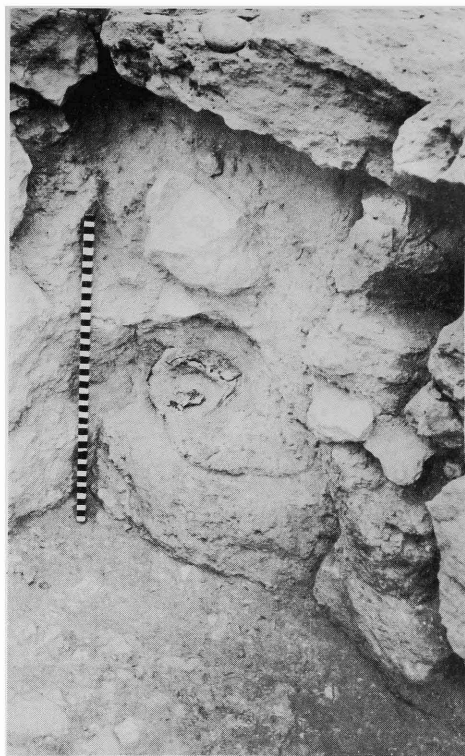
a. Burial 19. Steatite cup in front of alcove.



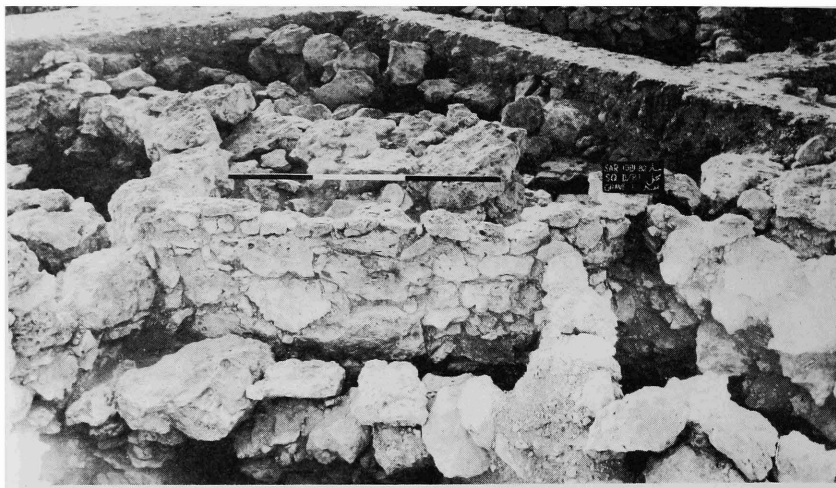
b. Burial 70. Miniature red and buff pottery of Barbar period in the eastern part of grave.



a. *Burial 19. Remnants of bitumen-lined basket in the alcove.*



b. *Burial 75. Bitumen-lined basket in the alcove during excavation.*



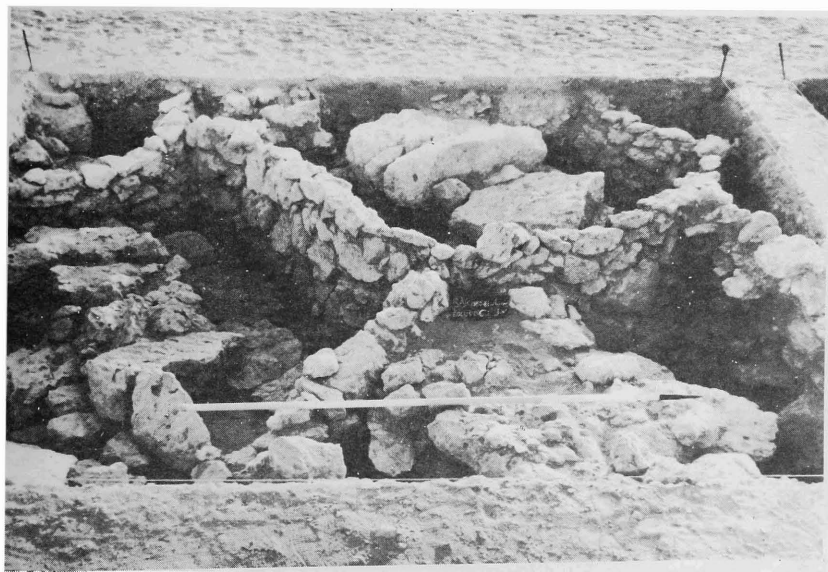
a. Northern face of ringwall of Burial 16A showing masonry details.



b. Masonry details of ringwalls of Burials 14 (right) and 15 (left).



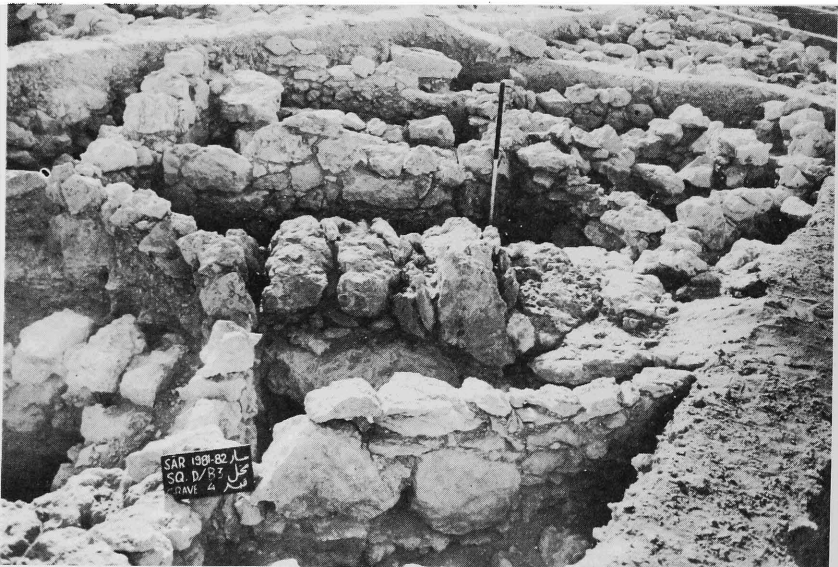
a. The NW face of ringwall of Burial 18.



b. Masonry details of ringwalls of Burials 13 (extreme right), 14 and 11 (left).



a. Northern face of ringwall of Burial 37 showing use of large and small stones.



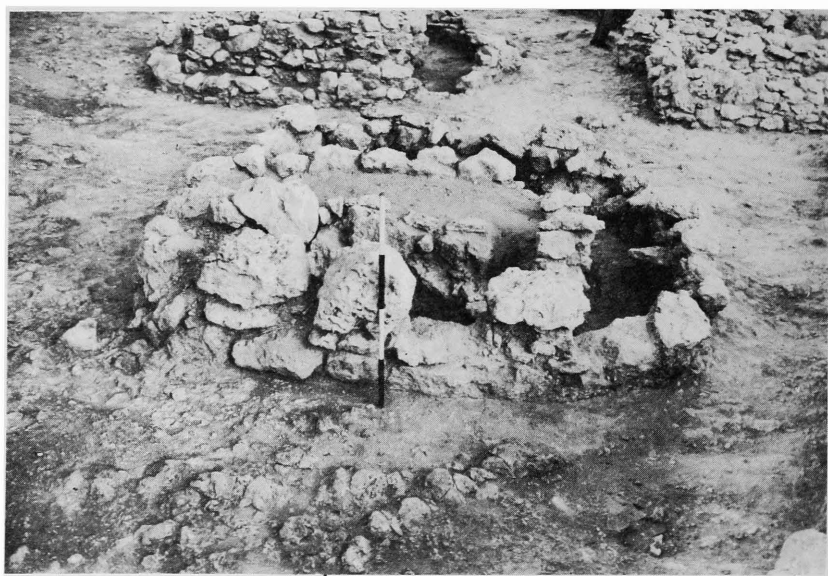
b. Ringwalls of Burials 38 (foreground), 37 (with scale) and 36 (background) showing use of different size of stones.



Aerial view of 178 Burials in Area D including tumuli from SW.



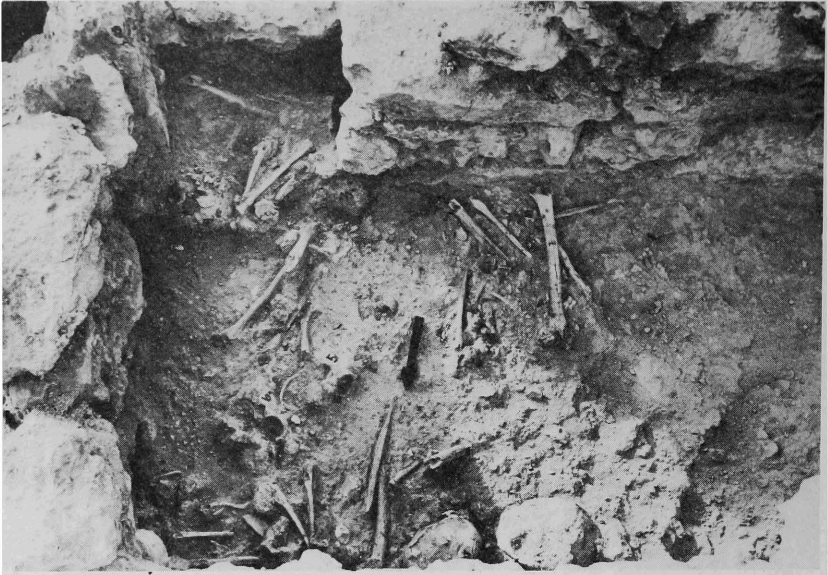
a. T-shape grave with funerary objects (Burial 147) between the Burial Complex and tumulus (Burial 146). View from S.



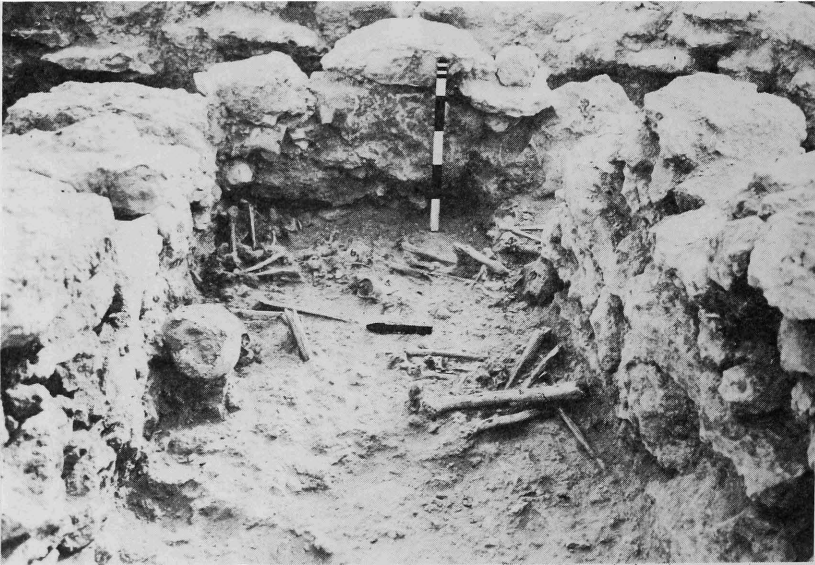
b. Burial 144 of tumuli before excavation of grave. View from S.



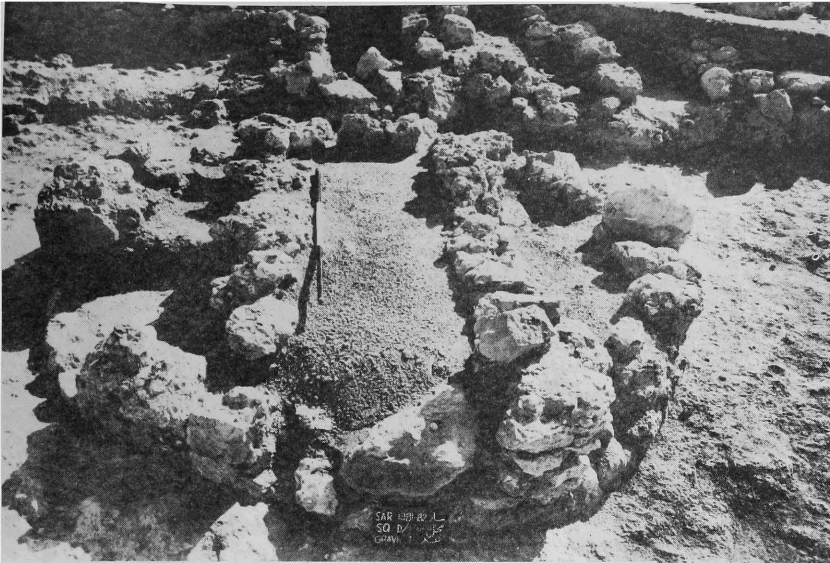
Large tumulus (containing Burials 116 and 116A). View from NW.



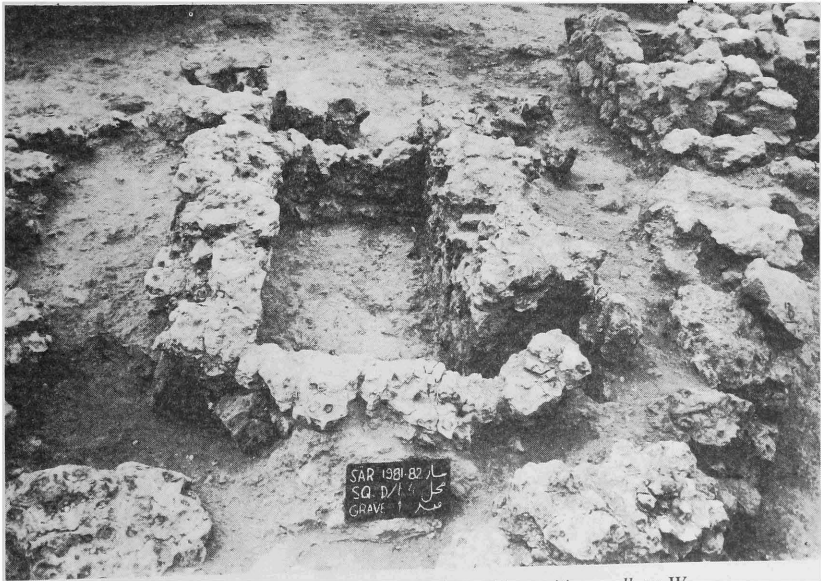
a. Bones of multiple burials scattered on the floor level of Burial 116. View from NW.



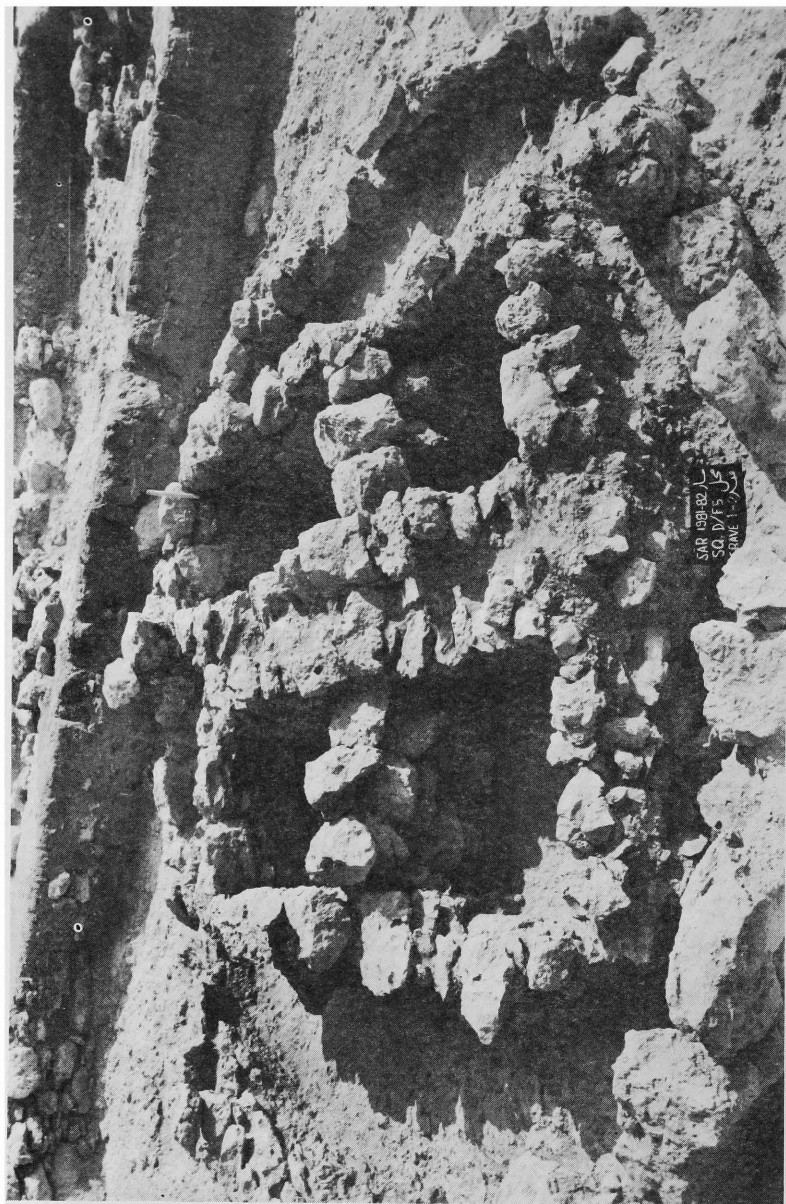
b. Burial 116. View from SW of the chamber with human skeletal remains.



a. Tumulus of Burial 143 before excavation of grave. View from W.



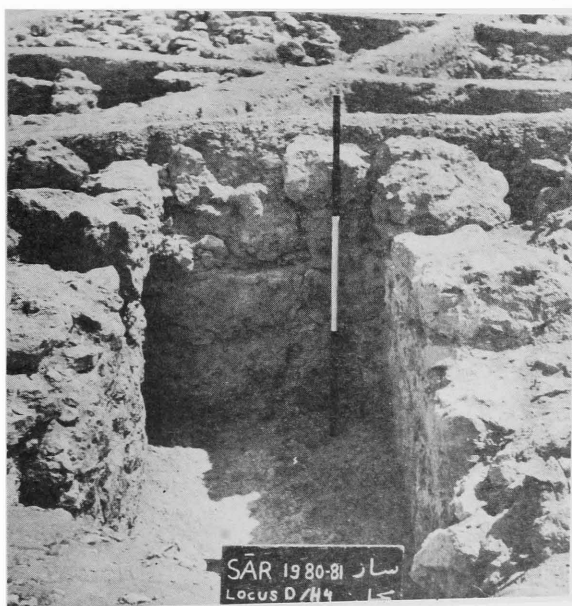
b. Burial 143. View of the chamber with partition wall on W.



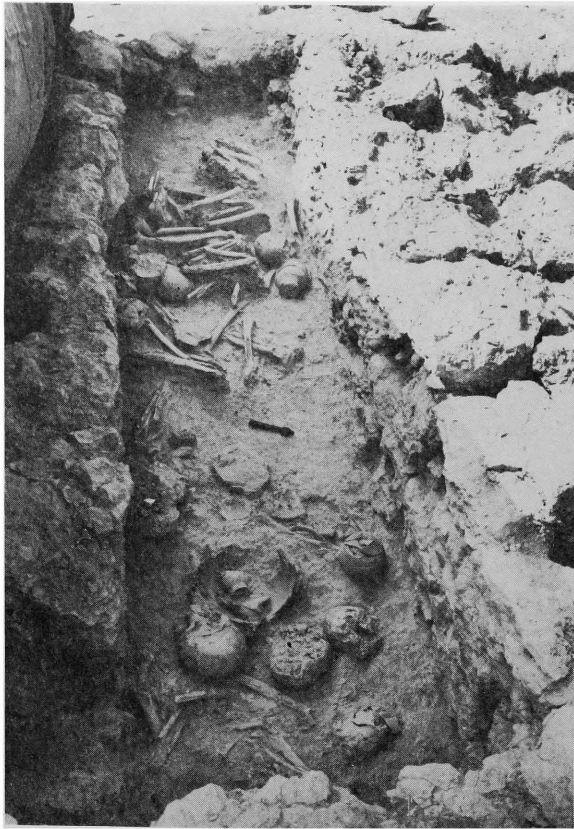
Tumulus containing Burials 145 and 145A. View from W.



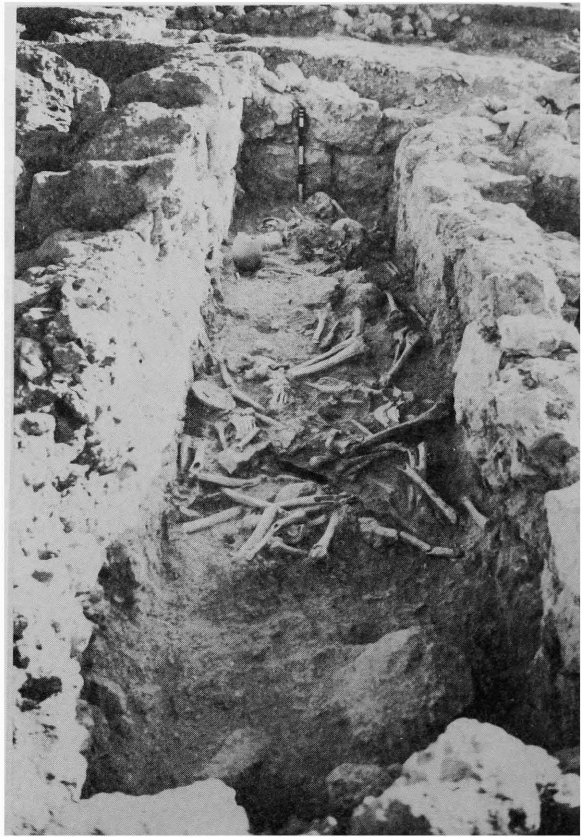
a. Full view of Tumulus (Burials 145 and 145A) during excavation. View from W.



b. Burial 150A (of the largest tumulus) showing chamber of dressed blocks of stone. View from S.



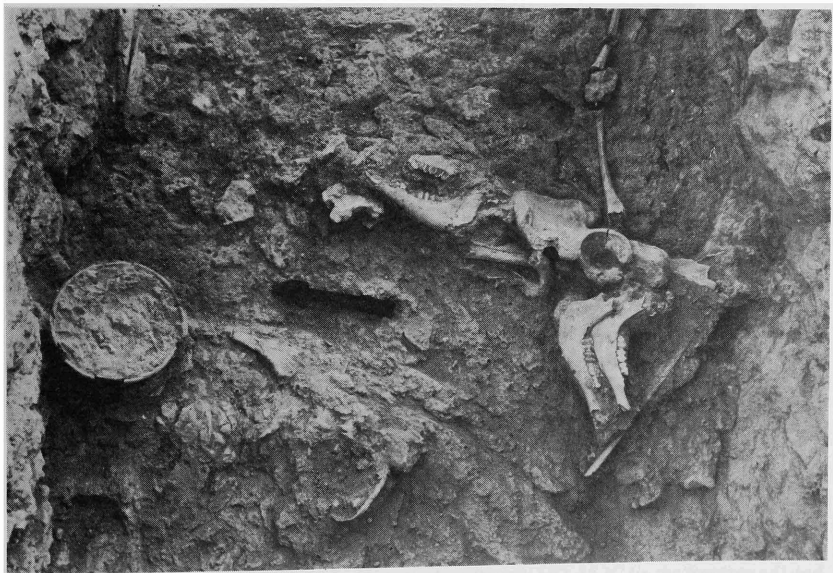
a. Burial 150 containing multiple human skeletons and associated pottery of the Kassite period. View from NE.



b. Burial 150. View of the chamber with skeletal remains from SW.



a. *Burial 150. Lime plastered floor on the original rock surface after removal of grave contents. View from SW.*



b. *Animal bones in grave of Burial 150 and bowl of Kassite period.*



a. *Burial 151B. Three human skulls and post cranial remains with funerary objects at upper level. View from E.*



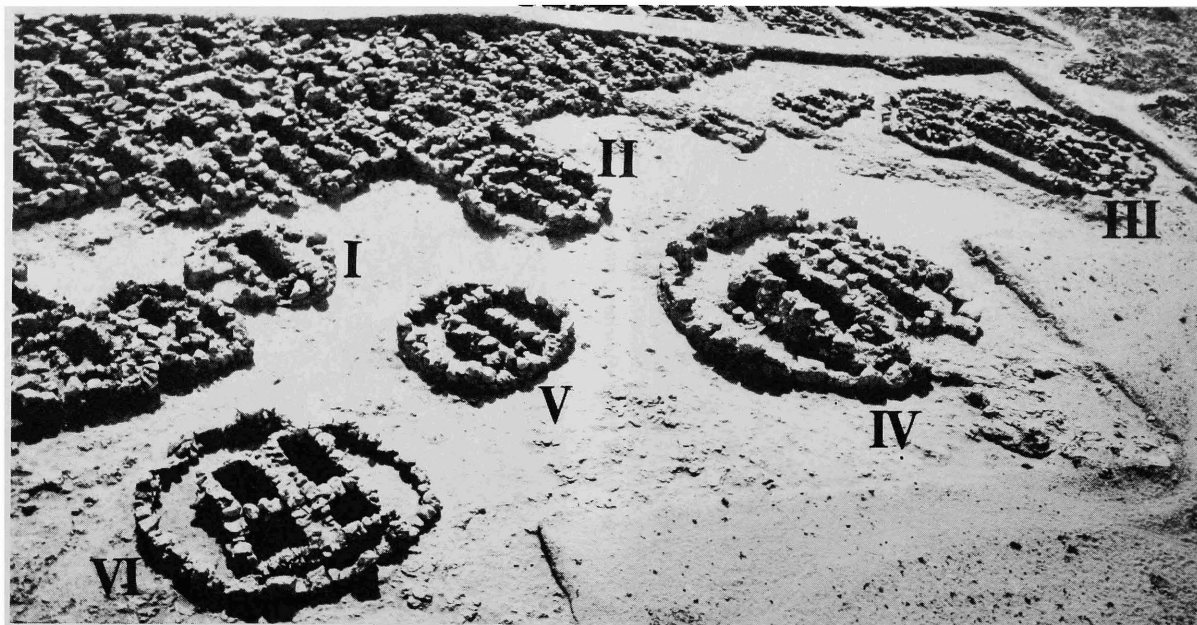
b. *Remains of female skeleton with copper /bronze ornaments and steatite bowl at lower level (Burial 151B). View from NE.*



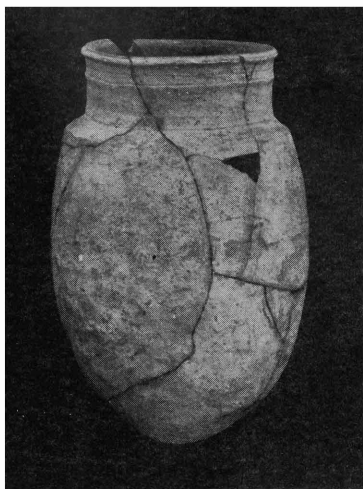
a. Burial 151B. Funerary pottery.



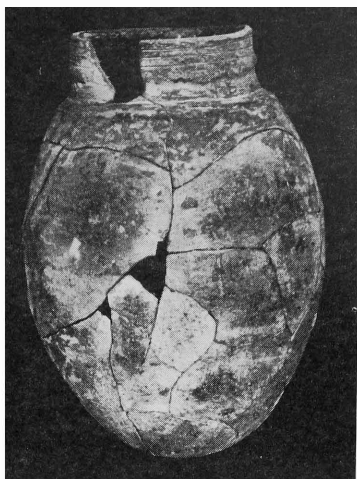
b. General view from NE of tumulus containing four Burials 152-152C (in the foreground) and 151B and 151C (background).



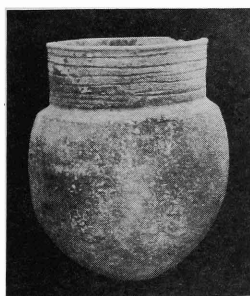
Aerial view showing southern part of the Burial Complex and tumuli. I, Burial 143; II, Burial 146; III, Burials 151 and 152; IV Burial 150; V Burial 144 and VI Burial 145. View from W.



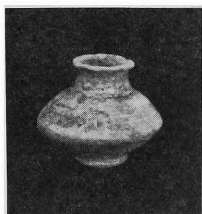
1



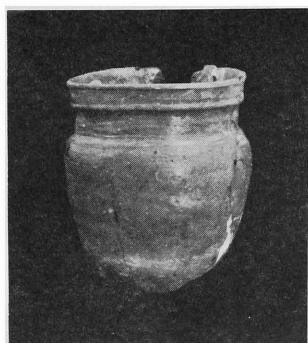
2



3



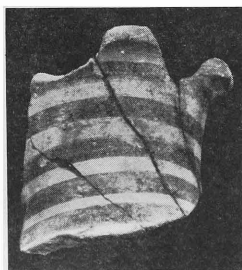
4



5

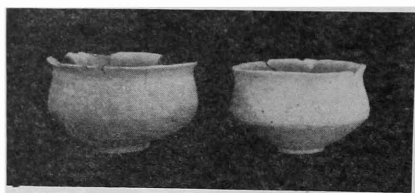


6



7

Plain and painted pottery of the 'Barbar' period. Scale 1 : 3.



1

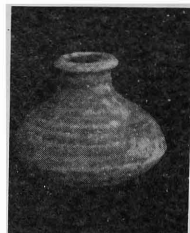
2



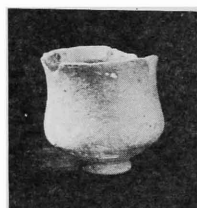
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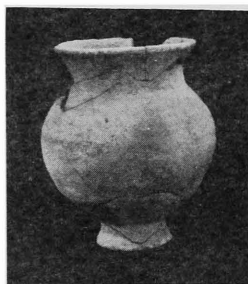
4



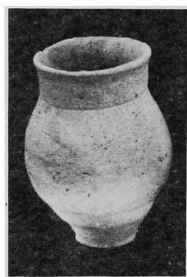
5



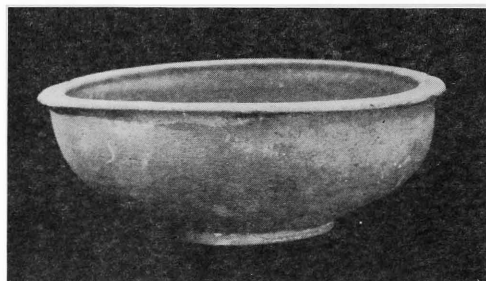
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7

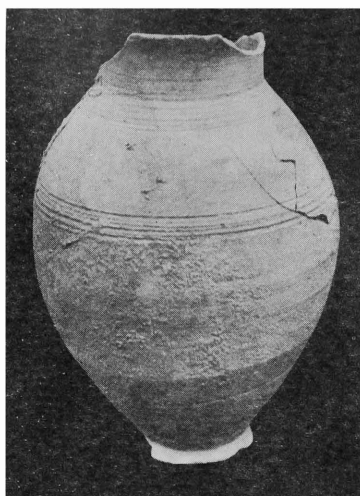


8

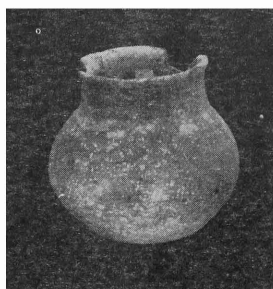


9

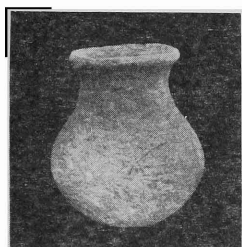
Cups, bowls and wide-shouldered vessels both plain and painted from the Burial Complex and tumuli. No.8 is of Kassite period. Scale 1 : 3.



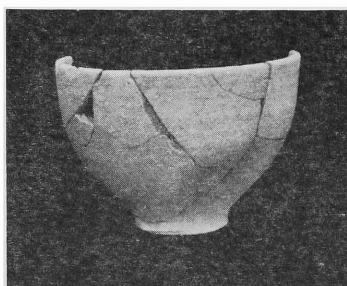
1



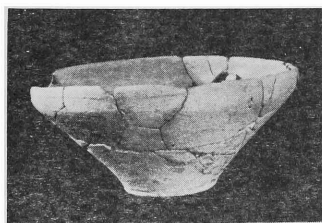
2



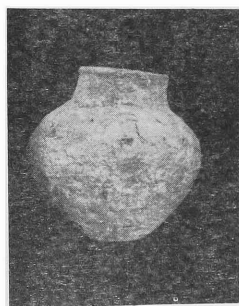
3



4

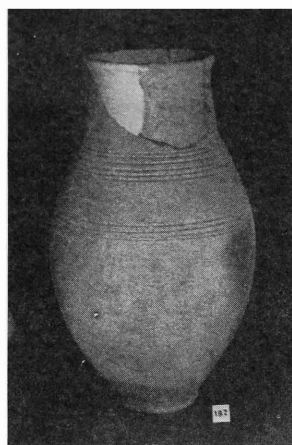


5



6

The Kassite wares (Nos. 1, 4 & 5) and miniature pots of 'Barbar' period. Scale 1 : 3.



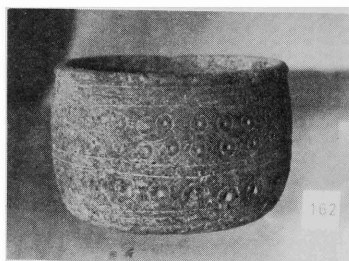
1



2



3

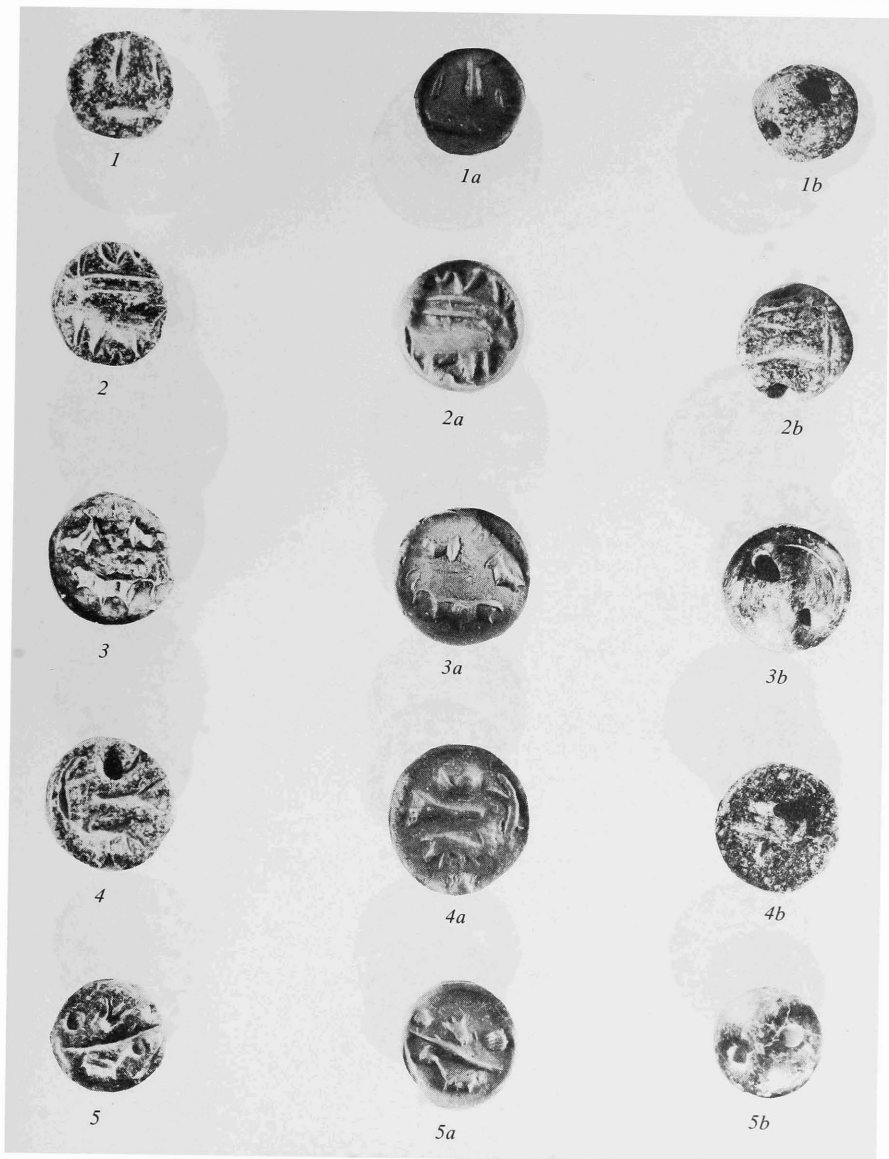


4

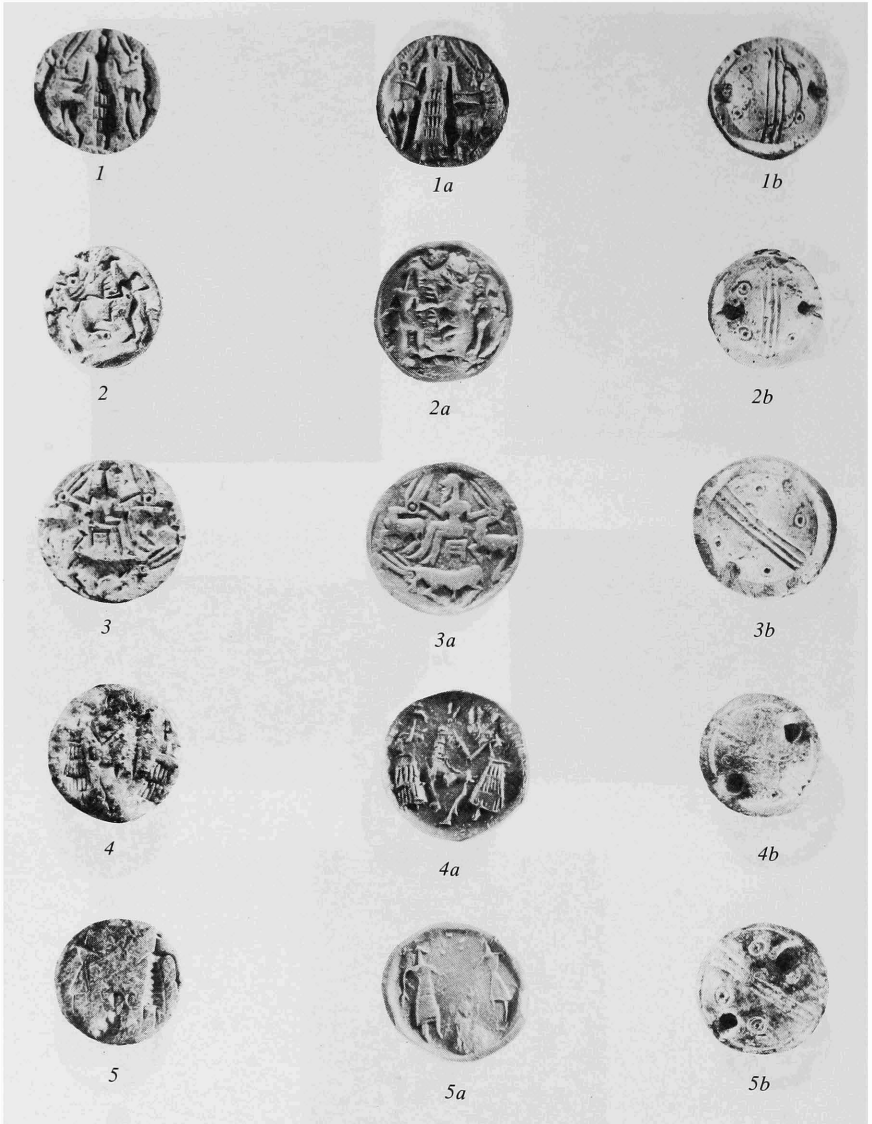


5

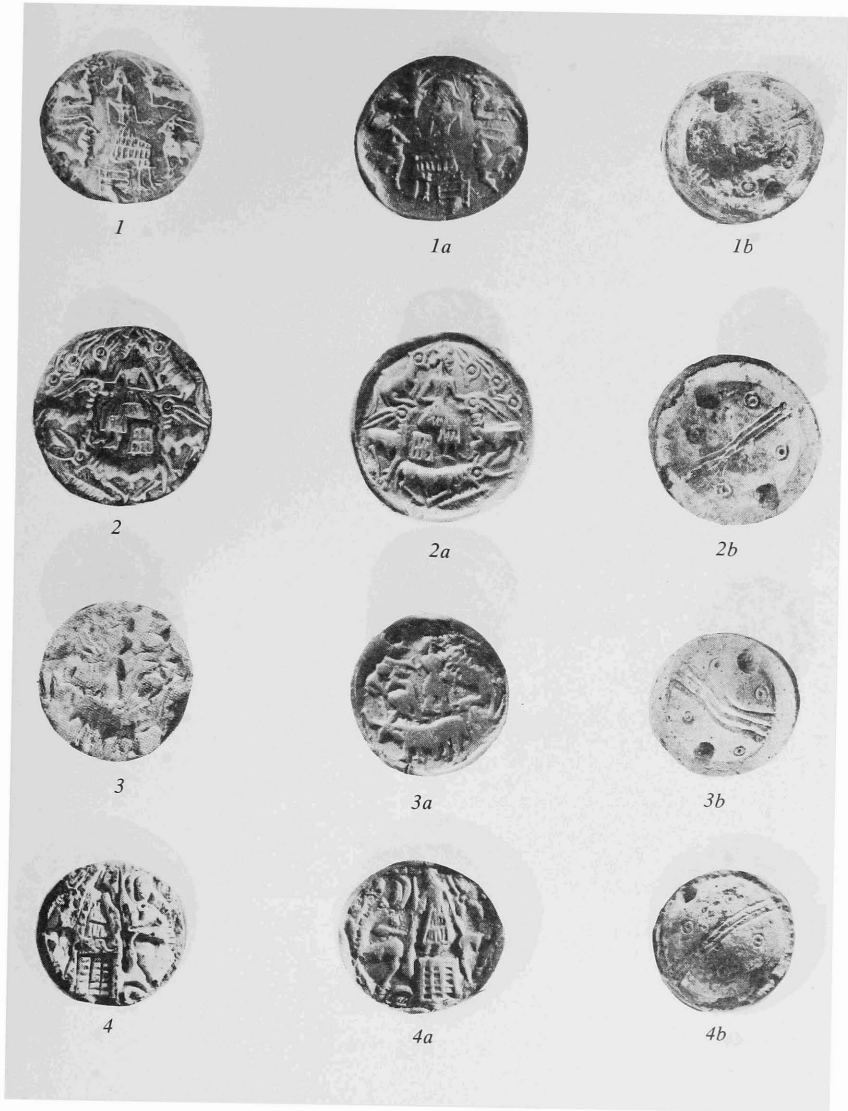
*Various pottery and steatite objects from other sites in Bahrain comparable with those from Sar.
No scale.*



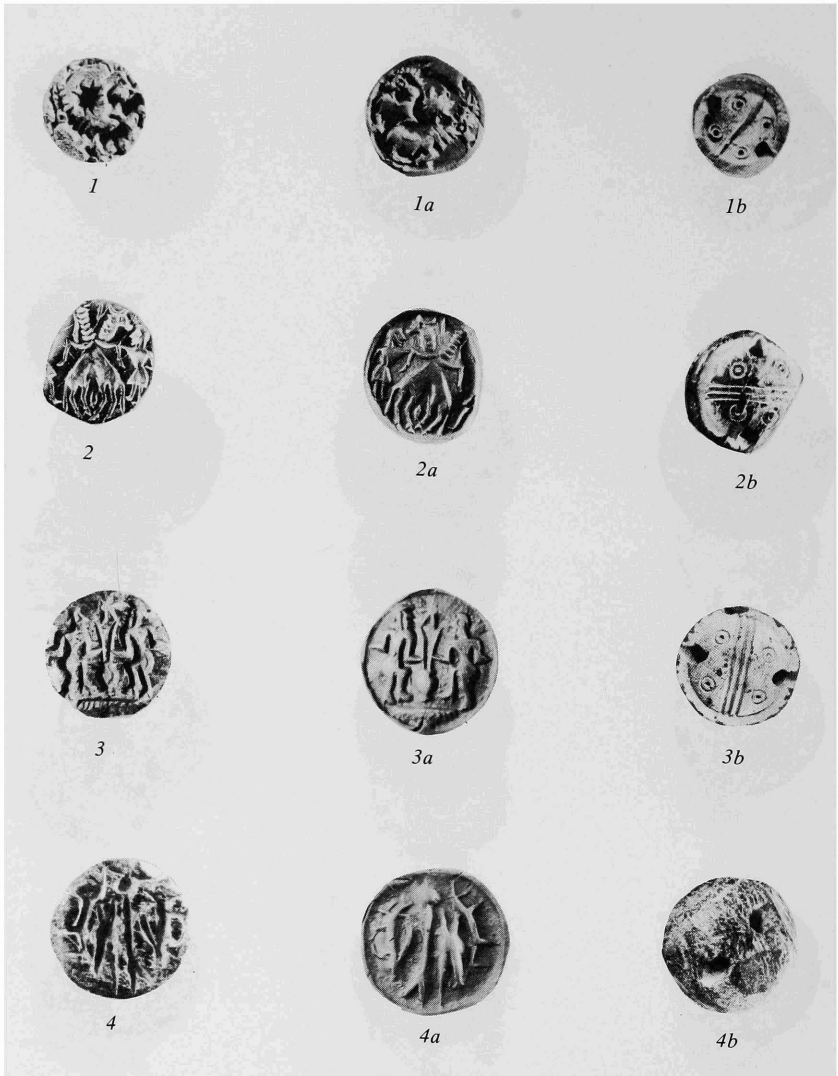
Stone stamp seals of 'early' type with their impressions. Scale 1 : 1.



Stamp seals of stone with impressions. Scale 1 : 1.



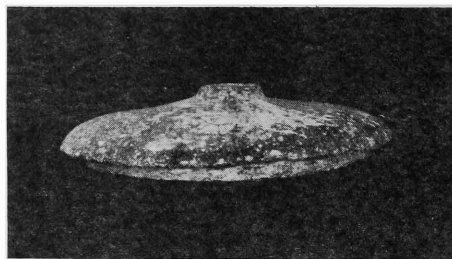
Stamp seals of stone with impressions. Scale 1 : 1.



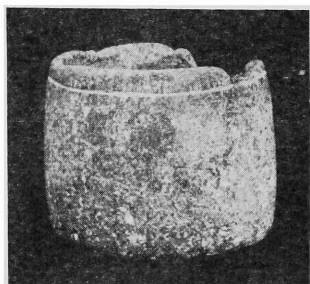
Stamp seals of stone with impressions. Scale 1 : 1.



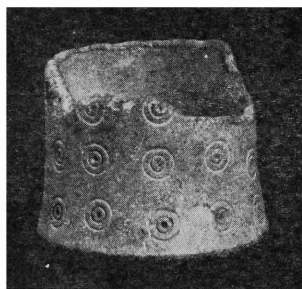
Stone (Nos.1 & 2) and shell (Nos.3 & 4) seals with impressions. Scale 1 : 1.



1



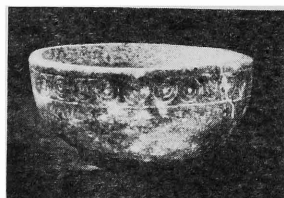
2



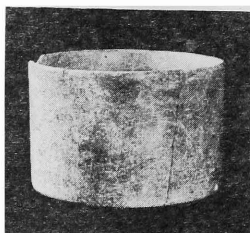
3



4



5

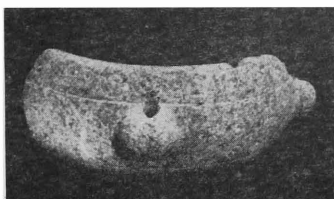


6

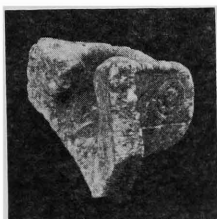
Steatite vessels plain and incised (No. 1.) Scale 1 : 2.



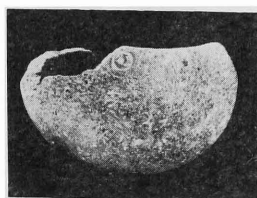
1



2



3



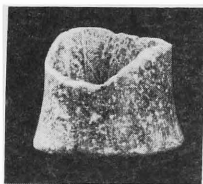
4



5



6



7

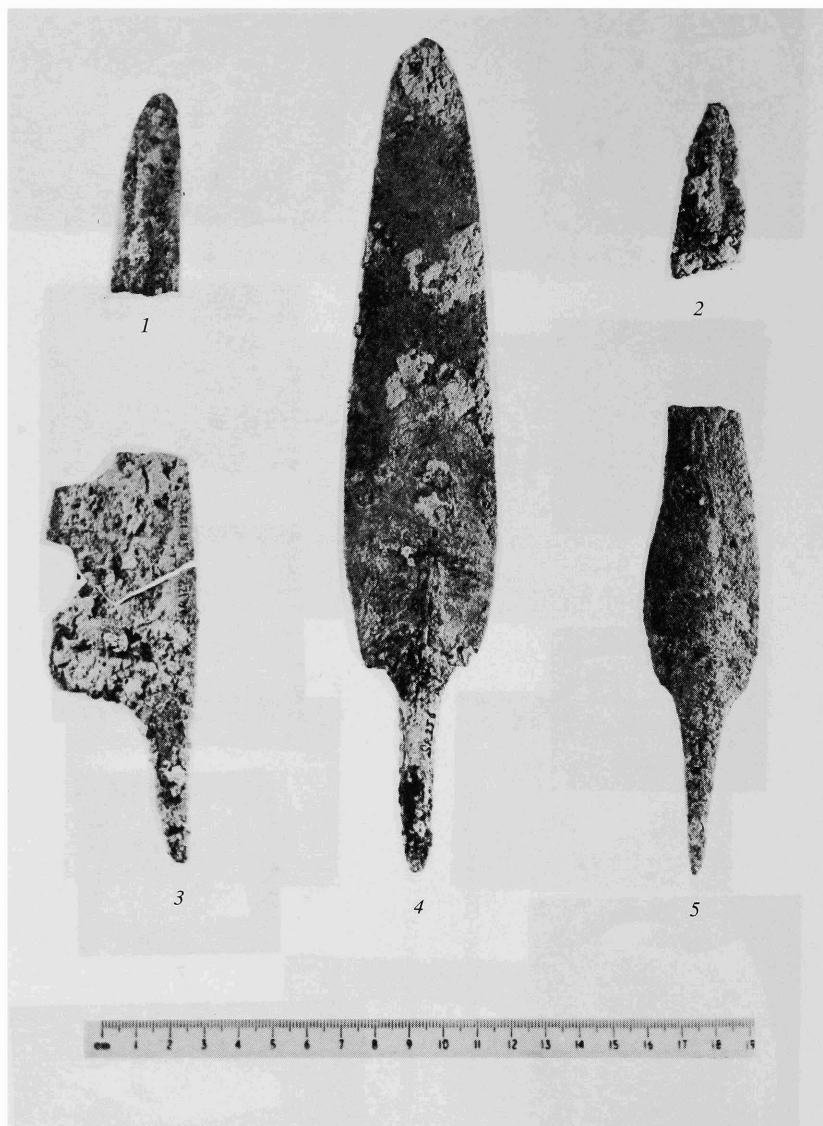


8

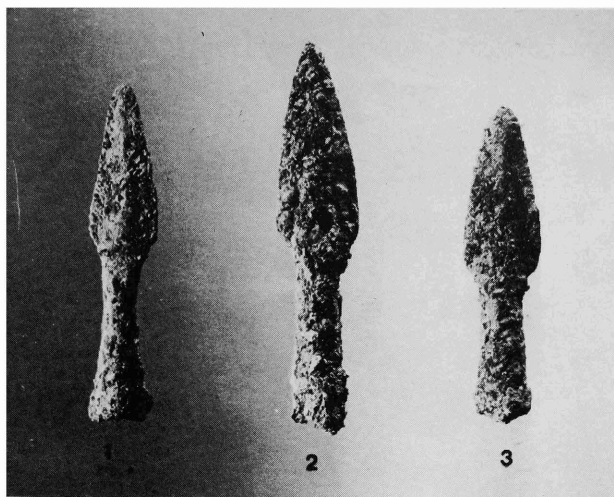


9

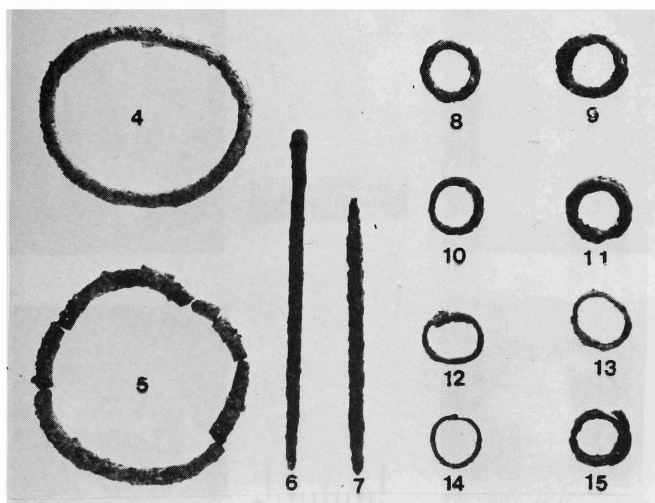
Steatite vessels plain and incised. No.2 with lugs and No. 7 was originally compartmented. Scale 1 : 2.



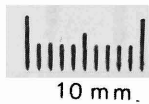
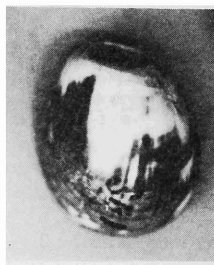
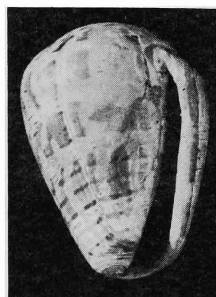
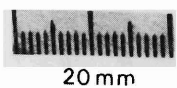
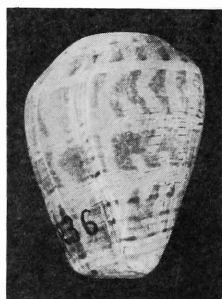
Copper /bronze weapons.



a. Copper /bronze socketed spearheads. Scale 1 : 2.



b. Copper /bronze bracelets, pins, ear and finger rings. Scale 1 : 2.



Selected shells from the graves used as funerary objects.

3 1198 02395 3362



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