VLADIMIR WOLFF AVRUTIS

LATE CHALCOLITHIC
AND EARLY BRONZE AGE I REMAINS
AT NESHER-RAMLÀ QUARRY

With contributions by
Esti Deutsch, Nissim Golding-Meir, Mark Iserlis,
Liora Kolska Horwitz, Henk K. Miens, Uri Mor,
and Ron Shimelmitz

Edited by Edwin C. M. van den Brink

The Zinman Institute of Archaeology, University of Haifa
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The Zinman Institute of Archaeology: http://arch.haifa.ac.il

Plans: Viatcheslav Pirsky and Dov Porotzky

Pottery drawings: Irina Lidsky

Pottery restoration: Vladimir Wolff Avrutis

Flint drawings: Leonid Zeiger

Plates: Vladimir Wolff Avrutis

Photographs: Tomer Appelbaum, Viatcheslav Pirsky and Anna Hayat

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Dedicated to my parents
Drs. Irina and Oleg Avrutis
# CONTENTS

Preface .................................................................................................................................................. XI
List of Figures, Plates and Tables ......................................................................................................... XIII

## Chapter 1  INTRODUCTION

*by Vladimir Wolff Avrutis*

1.1. The Site and Its Location ........................................................................................................... 1
1.2. Geological Background of Nesher-Ramla Quarry *(contributed by Uri Mor)*
   1.2.1. The Bi’ta Formation
   1.2.2. The Menuha Formation
1.3. History of Excavation of the Site ............................................................................................... 2
1.4. Current Publication Aims .......................................................................................................... 5
1.5. Methods and Terminology ......................................................................................................... 5

## Chapter 2  THE LATE CHALCOLITHIC AND EARLY BRONZE AGE I STRUCTURAL REMAINS. STRATIGRAPHY AND DESCRIPTION

*by Vladimir Wolff Avrutis*

2.1. Introduction ................................................................................................................................ 7
2.2. Dwelling Cave F-370 ................................................................................................................. 8
2.3. Dwelling Cave F-352 ................................................................................................................. 8
2.4. Bell-Shaped Pit F-398 ................................................................................................................ 9
2.5. Burial Chamber Cave F-410 .................................................................................................... 11
2.6. Burial Cave F-355 .................................................................................................................... 11
   2.6.1. The LC Remains
   2.6.2. The Late EB I Remains
2.7. Burial Cave F-477 .................................................................................................................... 15
2.8. Burial Cave F-570 .................................................................................................................... 16
2.9. Dwelling and Burial Cave F-565 ............................................................................................. 16
   2.9.1. The LC Remains
   2.9.2. The Late EB I Remains
2.10. Burial Cave F-314 .................................................................................................................... 20
2.11. Burials in Bell-Shaped Pit F-257 ............................................................................................. 21
   2.11.1. The Earlier Late EB I Burial Phase
   2.11.2. The Later Late EB I Burial Phase
2.12. Dwelling and Burial Cave F-380 ............................................................................................. 27
   2.12.1. Phase 1, LC Dwelling
   2.12.2. Phase 2, LC Burials
   2.12.3. Phase 3, Late EB I Burials
   2.12.4. Limestone Basin Found North of Cave F-380
2.13. Burial Cave F-55 ...................................................................................................................... 28
2.14. Cupmarks (Area Q) .................................................................................................................. 30
2.15. Summary .................................................................................................................................. 30
   2.15.1. The LC Period
   2.15.2. The Late EB I Period

## Chapter 3  THE LATE CHALCOLITHIC POTTERY ASSEMBLAGES

*by Vladimir Wolff Avrutis*

3.1. Introduction .............................................................................................................................. 33
3.2. The Nesher-Ramla LC Pottery Typology ................................................................................. 33
  3.2.1. Open Forms
  3.2.2. Closed Forms
  3.2.3. Clay Ossuaries
3.3. Pottery Manufacture ................................................................................................................ 45
  3.3.1. Decorations
  3.3.2. Pre-Firing Incised Potmarks
3.4. Quantitative Distribution Analysis of Ceramic Types ............................................................. 49
3.5. Summary .................................................................................................................................. 50

Chapter 4 THE LATE EARLY BRONZE AGE I POTTERY ASSEMBLAGES
by Vladimir Wolff Avrutis
4.1. Introduction ............................................................................................................................ 101
4.2. The Nesher-Ramla Late EB I Pottery Typology .................................................................... 103
  4.2.1. Open Forms
  4.2.2. Closed Forms
4.3. Manufacturing Techniques ..................................................................................................... 119
  4.3.1. Bases
  4.3.2. Decoration Modes and Finishing Techniques
  4.3.3. Firing
4.4. Quantitative Distribution Analysis of Ceramic Types ........................................................... 121
4.5. Chrono-Cultural Ascription of the Distinct Burial Cave Ceramic Assemblages ................... 122
  4.5.1. Burial Cave F-355
  4.5.2. Burial Cave F-565
  4.5.3. Burial Installation F-257
  4.5.4. Burial Cave F-380
  4.5.5. Burial Cave F-55
4.6. Summary ................................................................................................................................ 123

Chapter 5 GROUND STONE ASSEMBLAGES
by Vladimir Wolff Avrutis
5.1. Introduction ............................................................................................................................ 179
5.2. Limestone Artifacts ................................................................................................................ 179
  5.2.1. Bowls
  5.2.2. Mortars
  5.2.3. Basin
  5.2.4. Varia
  5.2.5. Orthostats
5.3. Basalt Artifacts ....................................................................................................................... 184
  5.3.1. Perforated Ring
  5.3.2. Pestle
  5.3.3. Bowls
  5.3.4. Grinding Stone
5.4. Hematite Artifacts .................................................................................................................. 187
  5.4.1. Hematite Maceheads
5.5. Alabaster Artifact ................................................................................................................... 189
5.6. Summary ................................................................................................................................ 189

Chapter 6 THE CHIPPED STONE TOOL ASSEMBLAGES. THE CHALCOLITHIC PERIOD
by Ron Shimelmitz
6.1. Introduction ............................................................................................................................ 201
6.2. The Lithic Finds ...................................................................................................................... 201
Chapter 11 FAUNAL REMAINS
by Liora Kolska Horwitz

11.1. Introduction ............................................................................................................................ 239
11.2. Methods .................................................................................................................................. 239
11.3. Description of Fauna ............................................................................................................... 239
  11.3.1. The Late Chalcolithic Period
  11.3.2. The Late Early Bronze Age I
  11.3.3. Faunal Remains from Mixed Late Chalcolithic/Late Early Bronze Age I Contexts
11.4. Discussion .............................................................................................................................. 243

Chapter 12 MALACOLOGICAL REMAINS
by Henk K. Mienis

12.1. Introduction ............................................................................................................................ 251
12.2. Material and Methods .......................................................................................................... 251
12.3. Results .................................................................................................................................... 251
12.4. Discussion .............................................................................................................................. 252
  12.4.1. Origin of the Material
  12.4.2. Stratigraphic Division
  12.4.3. Exploitation
12.5. Conclusion ............................................................................................................................ 254

Chapter 13 PETROGRAPHIC EXAMINATION OF CERAMICS
by Nissim Golding-Meir And Mark Iserlis

13.1. Introduction ............................................................................................................................ 255
13.2. The Petrographic Groups ...................................................................................................... 255
  13.2.1. Group A – Taqiye Marl with Calcareous Inclusions
  13.2.2. Group B – Taqiye Marl with Grog Added as Temper
  13.2.3. Group C – Taqiye Marl with Crushed Calcite Added as Temper
  13.2.4. Group D – Moza Clay with Dolomitic Sand Added as Temper
  13.2.5. Group E – Moza Fine Dolomitic Marl
  13.2.6. Group F – Hamra with Coastal Sand Added as Temper
  13.2.7. Group G – Alluvial Nile Clay
  13.2.8. Group H – Jezreel Valley
  13.2.9. Group I – Terra Rossa Soil
  13.2.10. Undetermined
  13.2.11. Summary
13.3. Discussion .............................................................................................................................. 259
Appendix Petrographic Slides ......................................................................................................... 262

Chapter 14 SUMMARY AND CONCLUSIONS
by Vladimir Wolff Avrutis

14.1. Late Chalcolitic Period .......................................................................................................... 269
  14.1.1. Intra-Settlement Pattern
  14.1.2. Subsistence
  14.1.3. Mortuary Customs
  14.1.4. Cultural Ascription and Interregional Connections
14.2. The Late Early Bronze I Age ................................................................................................. 274
  14.2.1. Mortuary Customs
  14.2.2. Animal Burials
  14.2.3. Chronology and Cultural Ascription
  14.2.4. Regional and Interregional Connections
14.3. Conclusion ............................................................................................................................ 279
Addendum ....................................................................................................................................... 279
Appendix I Register of Relevant Loci .............................................................................................. 285
2.2. DWELLING CAVE F-370

Only the lowest part of this natural karstic cave has been preserved, up to a height of 0.6 to 0.8 m. It is oval in shape and measures 4.6 x 4.1 m (Locus R81; Fig. 2.2). The rich ceramic and lithic assemblages deriving from the deposits in the cave clearly date the occupation to the LC period (Chapters 3 and 6; Pls. 3.1, 3.2, 6.1). There are no indications of burial activities here, and the cave was used for domestic purposes only. Anticipating discussion of the chipped stone tools in Chapter 6, it may be pointed out that the LC flint assemblage from this cave indicates limited, on-site production of flint tools.

2.3. DWELLING CAVE F-352

Only the lowest part of this natural, karstic cave has been preserved. It is of amorphous shape, measuring ca. 4.1 x 2.3 m. (Locus Q90; Fig. 2.3). An artificial ledge in the middle of the cave seems to divide the space in an east and west part. Based on the homogeneous ceramic and lithic assemblages collected from the cave (Chapters 3 and 6; Pls. 3.3, 3.4, 6.2), its use is dated to the LC period. Any indication of burial activities inside the cave is lacking. In view of the large quantity of kraters and holemouth jars found in it, this space may perhaps be interpreted as a store room for domestic food produce.
2.4. BELL-SHAPED PIT F-398

This bell-shaped cavity was artificially adapted to human need (Fig. 2.4). It was made accessible via a vertical shaft hewn through its ceiling. Its maximum depth is ca. 4.5 m.

The inner space of the cave was void of any lithic or osteological finds. The only ceramic materials found are a few non-diagnostic bodysherds of a single, closed vessel (not illustrated), possibly dating to the LC period. Such a date is corroborated by the very location of this pit within the cluster of LC burial and dwelling caves on the main hill (cf. Fig. 2.1), making an association with them likely.

Bell-shaped cavities or pits are a well-known feature of the LC period. Like Cave F-398, these pits are usually of considerable depth and difficult to access, suggesting storage spaces, rather than domestic dwelling features.
CHAPTER TWO

fig. 2.5. Plan and cross-sections of the burial chamber in Cave F-410.

Fig. 2.6. Isometric reconstruction of the burial chamber in Cave F-410.
2.5. BURIAL CHAMBER CAVE F-410
In the middle of this karstic, amorphous and poorly preserved cave, measuring ca. 4 x 6 m, a rectangular installation had been hewn into the cave’s bedrock floor (Fig. 2.5). It measures 1.67 x 1.25 m. A single, hewn step, situated in the west of the cave, lead into the chamber. The installation was found backfilled with stones, level with the cave’s floor (Locus S67).

A stone-built shelf or bench (Locus S63) is located in the southern part of this chamber. Traces of white plaster, 2-3 cm thick, were observed on its crown. Its composition is similar to the floor plaster of burial Cave F-314 (see below, p. 21). At the eastern extreme of the bench (in the southwest corner of the chamber) a round depression had been created. In this depression stood a single ossuary (Pl. 3.5:1). The bone container was found in situ, and complete. Surprisingly, no human bones were found in it. Its funerary character, however, is obvious (Fig. 2.6). The ceramic, groundstone and lithic assemblages associated with this burial clearly indicate a phase within the LC period (Pls. 3.5; 5.1:1, 3; 6.3).

2.6. BURIAL CAVE F-355
This relatively large, natural cave measures 8 x 5.5 m, with a maximum height of 4.6 m. The deposits found in the cave indicate two distinct periods of occupation, both for burial purposes, namely the LC and late EB I periods.

2.6.1. The LC remains
The LC burial was placed on a plastered floor overlaying a foundation of small and medium-sized stones (Locus T86). In the east part of the cave two stone-built retaining walls (W. T84 and W. T85; Figs. 2.7 and 2.8) enclosed an orthostat or stela, facing northwest. The northern wall (W. T84), found in a relatively poor state of preservation, is 1.9 m long and 0.4-0.5 m wide. The eastern wall (W. T85) is curving conform the cave’s inner contour. It is 3.8 m long and 0.7-0.8 m wide. The orthostat, measuring 86.5 x 38.5-44.5 x 23-27 cm was supported by a floor foundation (Locus T86) of small-sized stones (Figs. 2.9 and 2.10). Notably, it was found broken. Its upper part was laying horizontally on the floor, while its lower part had been built into wall W. T85 (Fig. 2.11). Underneath the orthostat, a horncore

Fig. 2.7.
Plan of burial Cave F-355, LC phase.
of an adult male mountain gazelle was found (Chapter 11, Fig. 11.2). It had been deposited there intentionally, clearly evidencing a kind of ritual foundation deposit.

No segments of this man-made floor were encountered in the west part of the cave (Locus V42), although fragments of a ceramic ossuary, human bones and associated funerary gifts were found there on bedrock level. Several shallow, natural depressions in the lower reaches of the cave were filled with small and medium-sized stones. There were no other finds.

In the east part of the cave evidence was found for primary disposition of the dead. Most of the human bones were found in disarray, but bones still in articulation were recorded next to wall W. T85. Notably one of the interments from the LC burial phase in this part of the cave was found resting in
Fig. 2.9.
Cross-section with details of orthostat and floor in burial Cave F-355, Locus T86.

Fig. 2.10.
Burial Cave F-355. Orthostat and floor Locus T86 (view from west).

Fig. 2.11.
primary position, perpendicular to the standing orthostat, the skull touching its western (rear) side (Chapter 10).

The burial deposits yielded rich ceramic, groundstone and lithic assemblages clearly dating from the LC period (Pls. 3.6-3.9; 5.1:2, 4, 5, 7; 5.2:3-5; 5.3:1, 2, 6; 6.4:4-7), to be presented further below (Chapters 3, 5 and 6).

The presence of retaining walls within LC burial caves is known from other contemporary sites, e.g., the “grotto” cave in Azor (Perrot and Ladiray 1980: Figs 8-9).

2.6.2. The late EB I remains

Evidence for re-use of the cave during the late EB I, once more for human burial purposes, was found concentrated in its central and east parts (Fig. 2.12). The interments were disposed off separately, in primary position. Besides human and animal bones, these burials yielded mainly ceramic artifacts dating to late EB I (Fig. 4.1; Pls. 4.1-4.6).

The remains of eighty-three human individuals were retrieved from both LC and late EB I contexts in the cave, including 50 adults and 33 children (Chapter 10). Distinction between the LC and late EB I interments was not possible because of the involvement of the burial society “Atra Kadisha”, which took the osteological material away for immediate reburial, thus precluding any examination of the bones.

In the period intermediate between the LC and late EB I burial phases, the cave had accommodated a hyaena’s den, as indicated by the
Fig. 2.17.
Cave F-565, LC phase (view from west).

Fig. 2.18.
Cave F-565, oval-shaped hewn installation Locus 10586 (view from southeast).

Fig. 2.19.
Cave F-565, rock-cut, bell-shaped storage pit Locus 10461 (silo) (view from south).
modified to human need, it was in use during the LC period for domestic purposes, and converted into a burial ground during the late EB I period. Later on, the cave had filled up with soil and stone debris of the collapsed roof. Walls were constructed on top of it during the Late Byzantine period.

Being situated on the north slope of the hill, the cave has been a virtual catch basin for rainwater for over four thousand years. This explains the worn condition of the artifacts and osteological material retrieved from it.

2.9.1. The LC remains

The cave exhibits two main features (Fig. 2.17). At the northwest extreme, there is an oval-shaped, rock-cut installation (Locus 10586, Fig. 2.18). Its measures 1.02 x 0.47 x 0.8 m. In the northeast part an additional cavity or pit was hewn to the depth of 3.5 m (Locus 10461). This feature is bell-shaped (3.5 m in diameter at its base) and straight-walled with shallow recesses on its eastern and western edges (Fig. 2.19). On its floor a thin layer (~ 5 cm) of earth mixed with organic material was exposed. Examination of a soil sample taken from it revealed the presence of pollen. After two extractions, only a handful of grains (n=12) was found, too small a number to enable any meaningful discussion. The pollen include *Quercus calliprinos* (Kermes oak), and types belonging to the *Poaceae* (grasses), *Apiaceae* (carrot family), and *Chenopodiaceae* (goosefoot family) families. Although these types are still present in the area today, the excavators are confident that no contamination of the samples by recent pollen could have taken place, since the sampled layer had been sealed intentionally during the late EB I period by a 3.5 m thick stony backfill. This rock-cut pit, therefore, is believed to have functioned as a storage facility (silo).

The very fragmentary ceramic evidence of these deposits was retrieved from the west part of the cave which had not been reused in later periods (Locus 10531). This limited assemblage indicates a date within the LC period (Chapter 3, Pl. 3.15:1-4).

Underground bell-shaped silos of varying dimensions which, depending on local environment, were either dug-out or rock-cut, are widely known in the region (e.g., Horbat Beter – Dothan 1959: Figs. 4, 5; Bir Safadi – Commenge-Pellerin 1990: Figs. 4, 6).

2.9.2. The late EB I remains

At a later stage, the cave was reused and adapted for burial purposes. The LC silo (Locus 10461) and oval-shaped installation (Locus 10586) were intentionally backfilled with field stones level with the cave’s floor. Along the northern edge of the cave a retaining wall was added (W. 10456; Fig. 2.20).

Only two individuals were buried here, each placed on a separate pavement built of large, flat...
2.10. BURIAL CAVE F-314

Cave F-314 is a natural, karstic cave carved out in local limestone, and modified minimally by man to accommodate several human burials (Locus P16; Fig. 2.22). It is relatively small, consisting of an oval-shaped, single space measuring about 3.5 x 2.5 m. It was accessed via a shaft, the preserved lower part of which was excavated in the northwest part of the cave.

Building activities during the Byzantine period\(^2\) seem to be foremost responsible for the collapse of its roof, further aggravated by the detrimental affects of prevailing wet conditions on the cave’s natural lime walls. Despite these unfavorable conditions, the data retrieved from it

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Fig. 2.21.
Stone pavement Locus 10457 and retaining wall W. 10456 (view from southeast).

Fig. 2.22.
Plan and cross-section of burial Cave F-314.

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stone slabs, situated at opposite sides of the cave (Loci 10382 and 10457, Fig. 2.21). They were obviously buried in primary position, even though the exact arrangement could not be established due to the bad preservation conditions prevailing in the cave.

The extremely rich funerary assemblages associated with these two individuals contains 197 ceramic vessels, 7 flint tools, an alabaster macehead, as well as beads and pendants from various kinds of material (chapters 4, 5, 7, 8, Pls. 4.7-4.13, 5.4, 7.1, 8.1). The high amount of funerary gifts most probably reflects the high social status of the deceased within their community.

The phenomenon of disposal of the dead on stone pavements is well recorded for the late EB I period, mainly at sites in the north part of the country (e.g., ‘En Esur – Yannai 1996: Pl. 1; Qiryat Haroshet – Salmon 2008:14*-15*, Figs. 9, 10; Horbat Zelef – Covello-Paran 2011:4-5, Plan 2; Asherat – Smithline 2001: Plan 2; Gadot – Greenberg 2001: Plans 1, 2), but occasionally also in tombs in the south (Azor – Ben-Tor 1975: Fig. 1).
is sufficient to reconstruct a clear picture of the final burial arrangements.

Eleven human burials were found resting on a layer of plaster applied over a beaten-earth layer (Locus P14) overlying a fill of stones and soil approximately 0.5 m thick. The earth and stone accumulation, deposited directly on the cave’s hewn floor, was void of any finds. The plaster was sampled and kindly examined by A. Tsatskin who characterized it as a mud-lime plaster.

The eleven individuals, three adults and eight children (Chapter 10), were arranged in four groups, one in each of the four extremes of the cave. Each adult was interred separately, in primary position. The children were concentrated in the east part of the chamber. Each adult individual was accompanied by a single storage jar and one additional pottery vessel found in situ. As mentioned above, the artifacts were found in extremely poor condition, but at least three vessels could be identified as storage jars. A fourth vessel was in very fragmentary condition, although a surviving pierced lug handle indicates it to have been a closed vessel (chapter 3, Pl. 3.16:3). All pottery finds in the cave date to the LC period.

2.11. BURIALS IN BELL-SHAPED PIT F-257

This is the most complex feature at the site. There are four different burial phases from four different