

ISRAEL
NUMISMATIC
JOURNAL



17
2009-10

STUDIES IN HONOUR OF ARNOLD SPAER

Edited by: DAN BARAG AND BOAZ ZISSU



THE ISRAEL NUMISMATIC JOURNAL

VOL. 17

JERUSALEM 2010

ISRAEL NUMISMATIC JOURNAL
FOUNDED BY L. KADMAN

Editorial Board: D. Barag, B. Zissu (editors), H. Eshel, R. Barkay, A. Spaer.
Style and Copy Editor: D. Stern

The publication of this issue was made possible by the generous contribution of the Leo Mildenberg Memorial Bequest.

All correspondence, papers for publication and books for review should be addressed to:

Israel Numismatic Journal, c/o Dr. Boaz Zissu, Department of Land of Israel Studies and Archaeology, Bar Ilan University, Ramat Gan, 52900, Israel, or to bzissu@gmail.com

Copyright © The Israel Numismatic Journal

The editors are not responsible for opinions expressed by the contributors.

ISSN 1565-4079

Distributed by Israel Exploration Society, P.O.B. 7041, Jerusalem 91070, Israel.

Page layout by Avraham Pladot
Typesetting by Marzel A.S. — Jerusalem
Printed by Old City Press, Jerusalem, Israel

ISRAEL NUMISMATIC JOURNAL

VOLUME 17

2009–10

CONTENTS

- 9 DAN BARAG AND BOAZ ZISSU: A Tribute to Arnold Spaer
- 11 A Bibliography of Arnold Spaer
- 15 CATHARINE LORBER AND ARTHUR HOUGHTON: An Early Seleucid Bronze Hoard
- 34 DAVID HENDIN: Hasmonean Coin Chronologies: Two Notes
- 39 RACHEL BARKAY: The Coinage of the Nabataean King Malichus I (59/58–30 BCE)
- 48 ZOHAR AMAR: The Shewbread Table on the Coins of Mattathias Antigonus: A Reconsideration
- 59 YOAV FARHI, URI DAVIDOVICH, YUVAL GADOT, AND ODED LIPSCHITS: The Ramat Raḥel Hoard of Tyrian Shekels
- 77 YINON SHIVTIEL, BOAZ ZISSU, AND HANAN ESHEL: The Distribution of Coins of the Jewish War against Rome in Galilee and Phoenicia
- 88 RONNY REICH: A Note on Coins from the First Revolt against Rome Discovered at Carnuntum, Austria
- 91 HANAN ESHEL, BOAZ ZISSU, AND GABRIEL BARKAY: Sixteen Bar Kokhba Coins from Roman Sites in Europe
- 98 ROI PORAT, EHUD NETZER, YA'AKOV KALMAN, AND RACHEL CHACHY: Bar Kokhba Coins from Herodium (Hebrew University Expedition)
- 106 DAN BARAG: Halved Bronze Coins from the Bar Kokhba War
- 113 BOAZ ZISSU, HANAN ESHEL, BOAZ LANGFORD AND AMOS FRUMKIN: Coins from the Bar Kokhba Revolt Hidden in Me'arat Ha-Te'omim (Mūghâret Umm et Tûeimîn), Western Jerusalem Hills
- 148 ROBERT DEUTSCH: A Note on a Medallion of Antoninus Pius from Neapolis: The Largest Medallion Minted in Palestine
- 151 AVNER ECKER: The Coinage of Jaffa in the Roman Period

177	YOAV FARHI: City Coins from Roman Palestine Made of Lead and Comparable Materials
187	EITAN KLEIN: The Hercules Relief (<i>Oscillum?</i>) from Khirbet el-Karmil Reconsidered
198	D. M. METCALF: Some Byzantine Lead Seals of <i>Scholastici</i>
206	ALLA KUSHNIR-STEIN: Four Inscribed Lead Weights from the Collection of Arnold Spaer
213	NIKOLAUS SCHINDEL AND WOLFGANG HAHN: Imitations of Sicilian Folles of Constantine IV from Bilad al-Sham
233	NITZAN AMITAI-PREISS AND YOAV FARHI: A Small Assemblage of Lead Sealings, Weight and Coins from the Early Islamic Period
238	DAN BARAG: A Hoard of Amalricus I Deniers from the Vicinity of Bethlehem
246	Obituary: Dan P. Barag
248	Obituary: Hanan Eshel
251	Obituary: Silvia Mani Hurter
253	LIST OF ADDRESSES OF AUTHORS
255	ABBREVIATIONS

Coins from the Bar Kokhba Revolt Hidden in Me'arat Ha-Te'omim (Mūghâret Umm et Tûeimîn), Western Jerusalem Hills

BOAZ ZISSU, HANAN ESHEL, BOAZ LANGFORD AND AMOS FRUMKIN

ME'ARAT Ha-Te'omim — Te'omim Cave (“Cave of the Twins”) — is a karst cave located on the northern bank of Nahal Hame'ara (coordinates 152049/126028), on the western edge of the Jerusalem hills.

The first comprehensive study of the cave, referred to then as “Mūghâret Umm et Tûeimîn” (“the cave of the mother of twins”) was carried out by C. R. Conder and H. H. Kitchener on October 17, 1873;¹ their report included a detailed map. At the northern tip of the entrance hall, the explorers encountered a deep pit. They did not descend into it; nor did they notice the continuation of the cave north of it.

In the late 1920s, René Neuville, the French consul in Jerusalem, excavated the bottom of the large entrance hall of the cave and found ceramic, wooden, and stone vessels from the Neolithic and Chalcolithic (Ghassulian) Ages, Early Bronze Age I(?), Middle Bronze Age II(?), Iron Age, and Roman and Byzantine periods.²

From 1970 to 1974, the cave was studied by Gideon Mann on behalf of the Society for the Protection of Nature in Israel. Mann examined the deep pit situated at the northern edge of the entrance hall, and discovered natural (karst) passages leading to two inner chambers. Mann mapped the section and collected pottery from the time of the Bar Kokhba Revolt.³

During the summer and autumn of 2009 we directed another survey of the cave.⁴ This article will present three hoards of coins hidden at the end of the Bar

¹ C. R. Conder and H. H. Kitchener: *The Survey of Western Palestine: Memoirs*, vol. 3: *Judaea*, London, 1883, pp. 148–149.

² R. Neuville: Notes de préhistoire palestinienne: La grotte d'et-Taouamin, *JPOS* 10 (1930), p. 65. We are grateful to Uri Davidovich, who referred us to this publication and even helped us analyze and summarize the findings of Neuville's excavations.

³ G. Mann: On a Rope — Into the Pit of Me'arat Ha'Teomim, *Teva Va-Aretz* 20 (1978), pp. 161–164 (Hebrew). We thank Prof. Amos Kloner, who in November 2009 re-examined the pottery found by Mann. The pottery is in the collections of the State of Israel (IAA storage facilities, Beit Shemesh).

⁴ The survey was carried out by the authors (permit S-133/2009) on behalf of the Department of Land of Israel Studies and Archaeology at Bar-Ilan University together with the Cave Research Unit at the Hebrew University of Jerusalem, with assistance from the Israel Nature and Parks Authority (INPA) and the participation of Vladimir Buslov, Mika Ullman, Uri Davidovich, and Yonathan Goldsmith. The coins and metal

Kokhba Revolt in the hard-to-reach inner section of the cave, together with other archaeological finds from the time of this revolt. The coins found in this survey in the entrance hall will be described elsewhere.

DESCRIPTION OF THE CAVE AND THE FINDS IN THE INNER SECTION (Plan 1)

The cave entrance (partly natural but enlarged by rock-cutting) is located about 4 meters above the riverbed channel. The opening leads into a large entrance hall (measuring approximately 50×70 m, with a maximum height today of about 10 m). Most of the area of the hall is covered by rocks originating in a collapse of the ceiling. Stalactites and stalagmites have formed at various spots in the hall. In the southeastern corner of the hall, a small karst cavity was found that had been deepened by hewing (C). A square pool (approximately 2×2 m, 0.5 m deep) was hewn in the floor of this cavity, and water drips into it from the ceiling. From this cavity northward, the eastern wall of the cave was straightened by extensive rock-cutting. On the northern side of the entrance hall, among stalagmites and columns, an easily traversed path leads to passage D, a wide, high passage leading northward. About 20 meters to the north, the passage is blocked by a deep karst pit (about 23 m deep). On the northern side of the pit, there are three narrow, hard-to-reach openings, hidden from the eye, leading to a narrow, winding karst passage into the inner section of the cave — chambers F and G. Chamber F is oval-shaped (maximum length 19 m, maximum width 8 m). Large fragments of storage jars were found on the southern edge of the chamber, and nearby, inside a hole in the rock, a group of coins were found *in situ* (Catalogue, “Hoard A”) (Photo 1). They included eighty-three silver coins re struck by the Bar Kokhba administration and a fragment of silver jewelry. These coins were found stuck together, probably because they had been kept in a pocket or case made of some organic material that did not survive. Nearby, on a fragment of a storage jar, a bronze coin of the city of Ashkelon (Fig. 9, no. 84) was discovered. About two meters north of there, fragments of a storage jar, an oil lamp, and a glass bottle were found. Next to them, in a crack between fallen ceiling rocks, another group of ten coins (Catalogue, “Hoard B”; nine silver coins and a bronze *perutah*) — six Roman and four Judean (from the Second Temple period to the Bar Kokhba Revolt) — were discovered *in situ*, along with a bronze needle. Between two pieces of rock adjacent to the

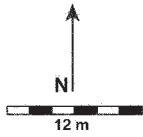
objects were cleaned by Marina Rassovsky in the Israel Museum laboratories. The pottery was restored by Andrei Weiner of the Israel Museum laboratories. The coin plates were prepared by Doody Evan. We are grateful to Dr. Zvika Tsuk, Menachem Fried, and Onn Valency of the INPA and to Dr. Zvi Greenhut of the Israel Antiquities Authority for their help. Dudi Mevorach, Daniel Ein-Mor, Yinon Shivtiel, Amos Kloner, and Nili Graicer also provided assistance.

Me'arat Ha-Te'omim

Boaz Langford and Mika Ullman

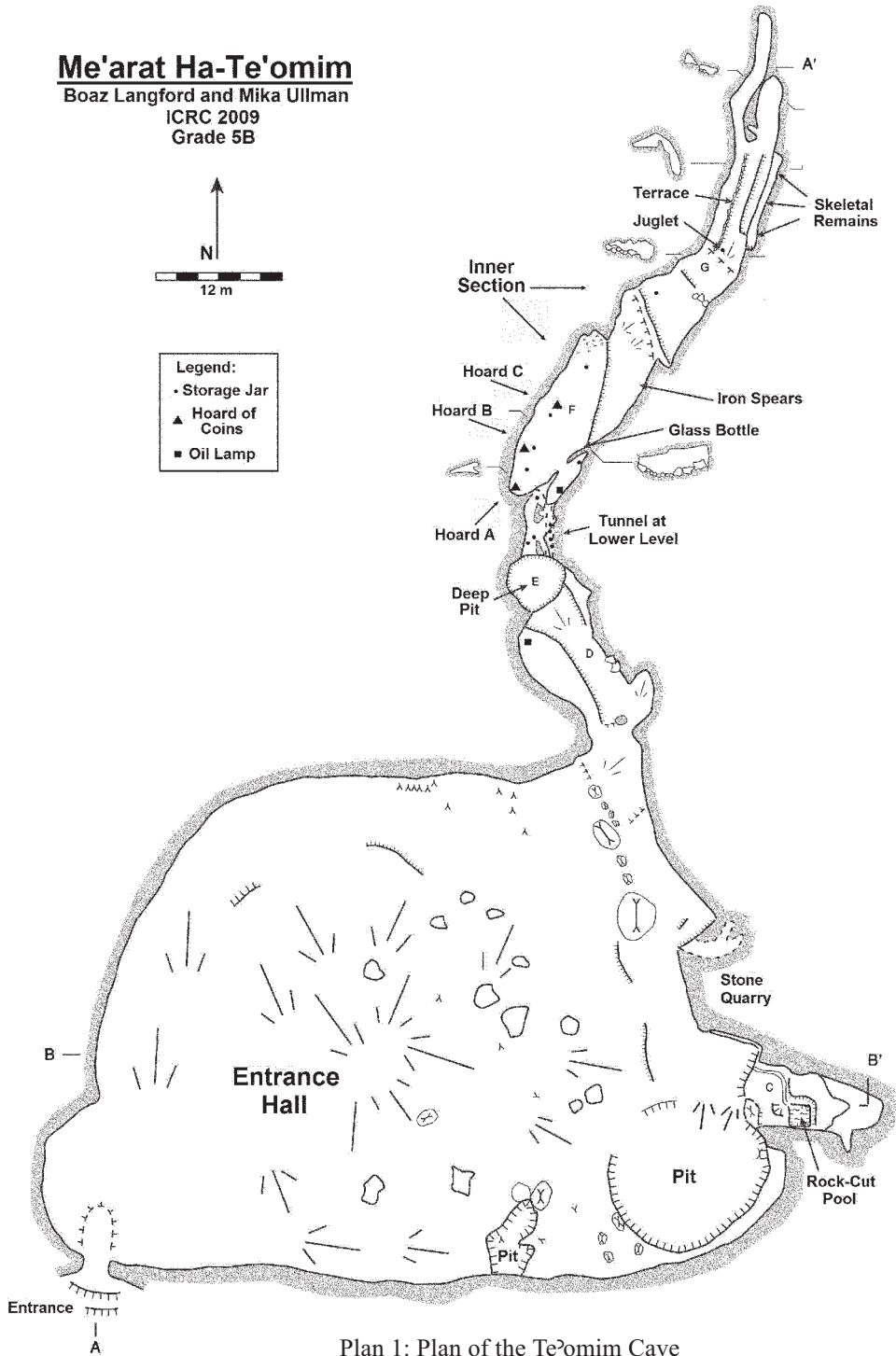
ICRC 2009

Grade 5B



Legend:

- Storage Jar
- ▲ Hoard of Coins
- Oil Lamp



Plan 1: Plan of the Te'omim Cave



Photo 1: Hoard A *in situ*

western wall of the chamber and about a meter and a half to the north, another group of twenty-four coins (Catalogue, “Hoard C”) — five Roman gold coins, fifteen silver coins (thirteen Roman coins and two Bar Kokhba denarii), and four Roman bronze coins — were found *in situ*, along with an iron needle (Photo 2). Next to them, fragments of a storage jar were found. Next to the eastern wall of the chamber, two iron spears (one Roman *pillum*, apparently taken as booty, and a spear made by the rebels) were found *in situ*.

From the inner (northern) part of chamber F one descends to chamber G. This chamber was almost completely devoid of archaeological finds, other than an intact small ceramic juglet and fragments of a storage jar. Also discovered were five sets of crumbling human bones, placed in a natural crack. The discovery of bones and hoards of coins suggests that the fugitives met their death in the cave.

CONCLUSIONS

The survey of the inner section of the Teʿomim Cave indicates that it was used for refuge purposes. Fighters — as evidenced by the weapons — fled to the cave at the end of the Bar Kokhba Revolt, perhaps bringing along additional refugees



Photo 2: Hoard C *in situ*

from a nearby Jewish village. The fugitives knew the secrets of the cave and the advantages of the inner section, which is hard to reach, is hidden from the eye, and has a constant water supply.

So far we have encountered the use of natural caves in the Judean Desert cliffs for refuge purposes⁵ and the preparation of ramified rock-cut underground complexes beneath settlements for hiding purposes.⁶ The Te'omim Cave is unusual in that it is a natural cave situated in the heart of Judea. In recent years scholars have discovered additional natural caves in the settled part of the country that were used as places of refuge.⁷

⁵ H. Eshel and D. Amit (eds.): *Refuge Caves of the Bar Kokhba Revolt*, Tel Aviv, 1998 (Hebrew).

⁶ A. Kloner and Y. Tepper: *The Hiding Complexes in the Judean Shephelah*, Tel Aviv, 1987 (Hebrew); A. Kloner and B. Zissu: Hiding Complexes in Judaea: An Archaeological and Geographical Update on the Area of the Bar Kokhba Revolt, in P. Schäfer (ed.): *The Bar Kokhba War Reconsidered: New Perspectives on the Second Jewish Revolt against Rome*, Tübingen, 2003, pp. 181–216.

⁷ H. Eshel and R. Porat (eds.): *Refuge Caves of the Bar Kokhba Revolt*, vol. 2, Jerusalem, 2009 (Hebrew).

We assume that the three hoards of coins found in the Teʿomim Cave came from three purses belonging to three different families.⁸ Presumably, the family that brought the first hoard to the cave supported the revolt, since they gave the Bar Kokhba minting authorities all the coins in their possession. In contrast, the other two families were more cautious; they decided not to have all their coins restruck, since such coins were useless outside the area controlled by Bar Kokhba.⁹

The first hoard found in the Teʿomim Cave is the only hoard of silver Bar Kokhba coins discovered thus far in proper archaeological excavations (as opposed to illegal excavations by antiquities thieves). Leo Mildenberg noted that antiquities thieves found two hoards that resemble this one in terms of the number of coins: one in the village of Beit Umar in 1976, and the other near Dahariyeh in 1980.¹⁰ The first hoard found in the Teʿomim Cave includes one *sela* (tetradrachm) from year 1 of the “Redemption of Israel,” six *selaʿim* from year 2 of the “Freedom of Israel,” and 13 *selaʿim* from the third year of the revolt. This hoard does not contain any denarii from the first year of the revolt. Four *zuzim* (denarii) in the hoard have the name Shimʿon in abbreviated form (Shimʿ) on one side, and the inscription “Eleazar the Priest” on the other (nos. 21–24). It is generally assumed that these denarii were struck in the second year of the revolt.¹¹ Aside from these four denarii, the hoard contains additional thirteen denarii struck in the second year of the revolt (nos. 25–37), and forty-six denarii struck in the last year of the revolt and bearing the inscription “For the Freedom of Jerusalem.” The three *selaʿim* struck with previously undocumented dies (nos. 16–18) and two *selaʿim* struck with a pair of dies never before documented on the same coin (nos. 7 and 15) are important from a numismatic standpoint. Among the denarii, no. 77, which belongs to the series of irregular coins, is important as well.

⁸ Two green stains were found in the cave, possible evidence of additional coins that disintegrated over time due to dampness.

⁹ H. Eshel: The Policy of Overstriking Roman Coins during the Bar Kokhba Revolt in Light of Finds from the Judean Desert, in Y. Eshel (ed.): *Judea and Samaria Research Studies*, vol. 5 (1995), pp. 173–182 (Hebrew); see also the hoards from Badd ʿIssa in G. Bijovsky: The Coins from Kh. Bad-ʿIsa-Qiryat Sefer, in N. Haimovich-Carmin (ed.): *The Land of Benjamin (Judea and Samaria Publications, no. 3)*, Jerusalem, 2004, pp. 243–300.

¹⁰ L. Mildenberg: *The Coinage of the Bar Kokhba War*, Aarau, Frankfurt, and Salzburg, 1984, pp. 56–57. Although Mildenberg believed that all the hoards had been found in the Judean Hills, it seems that some of them were found in the Shephelah (in rock-cut hideouts located underneath Jewish villages and systematically looted between 1967 and 1984). It turns out that antiquities dealers told Mildenberg that the hoards had been found near the antiquities thieves’ villages, and that the thieves had kept the exact location of the discovery a secret. See Mildenberg (this note), pp. 54–57.

¹¹ *Ibid.*, p. 173; Y. Meshorer: *A Treasury of Jewish Coins*, New York and Jerusalem, 2001, pp. 247–248.

The second group of coins is significant in that they are the first Bar Kokhba coins ever discovered together with Jewish coins from the Second Temple period.¹² In general, “bad money,” i.e., coins with a low percentage of the valuable metal (Roman imperial silver coins were just c. 90% silver and c. 10% bronze) puts “good money” out of circulation, since the people who have the “good money” keep it for themselves instead of spending it. Because the shekels coined during the Jewish War were 99% silver, the family that brought the second group of coins to the cave presumably kept the shekel minted in the second year of the Jewish War (67/8 CE) due to its monetary value.¹³ But the presence of a bronze *perutah* from the time of John Hyrcanus cannot be explained in a similar manner. Therefore, we have to consider the possibility that they kept both of these coins for nationalistic reasons.

Because a gold *aureus* was worth twenty-five silver denarii, the third hoard, containing twenty-four coins, exceeded the first hoard (of eighty-three coins) in value. The third hoard was worth 150 silver denarii, whereas the first was worth only 143.

The bronze coins found in the TeṢomim Cave are further evidence that most of the bronze coins that fell into the rebels’ hands originated in Ashkelon.¹⁴ The five gold coins in the third hoard were struck in the first century CE. Presumably, they were kept by the family that fled to the TeṢomim Cave and were passed down from generation to generation as part of the assets that this family managed to save up.

¹² It should be noted that Mildenberg questioned whether the hoard discovered in 1924 was indeed a real hoard, since Hasmonean coins, Herodian coins, and coins from the Jewish War were reportedly found together with it. See Mildenberg (n. 10 above), p. 55.

¹³ The shekel from year 2 found in the TeṢomim Cave was gray, whereas the rest of the silver coins found there were greenish.

¹⁴ A. Kindler: The Coins of the Bar-Kokhba War, in A. Oppenheimer (ed.): *The Bar Kokhba Revolt*, Jerusalem, 1980, p. 159 (Hebrew); Y. Goren and P. Fabian: Coinage in the Period of the Bar Kokhba Revolt in View of Findings in the Tunnel Sites in the Yatir Region, *Nikrot Zurim* 7 (1983), pp. 60–66 (Hebrew).

CATALOGUE

Hoard A*Tetradrachms (Sela'im)*

1. *AR*; 26 mm; 13.93 gr.; axis 12; date: 132/33 CE (Fig. 1:A1)
Obv.: Tetrastyle façade of the Jerusalem Temple; inside, shewbread table; inscription: ירושלים; on bottom right, slight remains of two Greek letters from the original coin: ΔΗ (?)
Rev.: Bundle of lulav and ethrog on upper left; inscription: שנת אחת לגאולת ישראל
Mildenberg 1984, p. 123, no. 1 (obv. 1 and rev. 1); on the types, see also *TJC*, pp. 143–146; Patrich 1994
2. *AR*; 27 mm; 14.54 gr.; axis 12; date: 133/34 CE (Fig. 1:A2)
Obv.: Tetrastyle façade of the Jerusalem Temple; inside, shewbread table; below, ladder-shaped balustrade; inscription: ירושלים; cross-rossette between *waw* and *shin*
Rev.: Bundle of lulav and ethrog on left; inscription: שב לחר ישראל
Mildenberg 1984, pp. 126–127, no. 10 (obv. 2 and rev. 8)
3. *AR*; 25 mm; 12.42 gr.; axis 12; date: 133/34 CE (Fig. 1:A3)
Obv.: Tetrastyle façade of the Jerusalem Temple; inside, shewbread table; below, ladder-shaped balustrade; inscription: ירושלים; above façade, cross-rossette
Rev.: Bundle of lulav and ethrog; inscription: שב לחר ישראל
Mildenberg 1984, pp. 128–129, no. 15 (obv. 4 and rev. 8)
4. *AR*; 25 mm; 12.18 gr.; axis 12; date: 133/34 CE (Fig. 1:A4)
Obv.: Tetrastyle façade of the Jerusalem Temple; inside, shewbread table; below, ladder-shaped balustrade; inscription: ירושלים; above façade, cross-rossette
Rev.: Bundle of lulav and ethrog; inscription: שב לחר [ר] ישראל
Mildenberg 1984, p. 131, no. 21 (obv. 4 and rev. 14)
5. *AR*; 24 mm; 14.32 gr.; axis 12; date: 133/34 CE (Fig. 1:A5)
Obv.: Tetrastyle façade of the Jerusalem Temple; inside, shewbread table; below, ladder-shaped balustrade; inscription: ירושלים; above façade, cross-rossette
Rev.: Bundle of lulav and ethrog; inscription: שב לחר ישראל
Mildenberg 1984, pp. 128–129, no. 15 (obv. 4 and rev. 8)
6. *AR*; 26 mm; 14.73 gr.; axis 12; date: 133/34 CE (Fig. 1:A6)
Obv.: Tetrastyle façade of the Jerusalem Temple; inside, shewbread table;

- below, ladder-shaped balustrade; inscription: שׁמ/עוֹן; above façade, rosette; underneath, remains of portrait belonging to previous coin
Rev.: Bundle of lulav and ethrog; inscription: שׁב לחר ישראל
 Mildenberg 1984, p. 133, no. 27 (obv. 6 and rev. 18)
7. *Æ*; 27 mm; 14.78 gr.; axis 12; date: 133/34 CE (Fig. 1:A7)
Obv.: Tetrastyle façade of the Jerusalem Temple; inside, shewbread table; below, ladder-shaped balustrade; inscription: שׁמ/עוֹן; above façade, rosette
Rev.: Bundle of lulav and ethrog; inscription: שׁב לחר ישראל
 Mildenberg 1984, pp. 133–137 (obv. 8 and rev. 18), unrecorded die-link
8. *Æ*; 25 mm; 12.66 gr.; axis 1; date: 134/35 CE (Fig. 1:A8)
Obv.: Tetrastyle façade of the Jerusalem Temple; inside, shewbread table; below, ladder-shaped balustrade; inscription: שׁמ/עוֹן; above façade, eroded rosette
Rev.: Bundle of lulav and ethrog; inscription: לחרות ירושלם
 Mildenberg 1984, p. 141, no. 47 (obv. 8 and rev. 33)
9. *Æ*; 24 mm; 14.24 gr.; axis 12; date: 134/35 CE (Fig. 1:A9)
Obv.: Tetrastyle façade of the Jerusalem Temple; inside, shewbread table; below, ladder-shaped balustrade; inscription: שׁמ/עוֹן; fissured
Rev.: Bundle of lulav and ethrog; inscription: לחרות ירושלם
 Mildenberg 1984, pp. 160–161, no. 82 (obv. 12 and rev. 64).
10. *Æ*; 26 mm; 13.90 gr.; axis 12; date: 134/35 CE (Fig. 1:A10)
Obv.: Tetrastyle façade of the Jerusalem Temple; inside, shewbread table; below, ladder-shaped balustrade; inscription: שׁמ/עוֹן; above façade, eroded rosette
Rev.: Bundle of lulav and ethrog; inscription: לחרות [י]רושלם
 Mildenberg 1984, p. 162, no. 85 (obv. 12 and rev. 44)
11. *Æ*; 26 mm; 14.51 gr.; axis 12; date: 134/35 CE (Fig. 2:A11)
Obv.: Tetrastyle façade of the Jerusalem Temple; inside, shewbread table; below, ladder-shaped balustrade; inscription: שׁמ/עוֹן; above façade, rosette
Rev.: Bundle of lulav and ethrog; inscription: לחרות ירושלם
 Mildenberg 1984, pp. 155–156, no. 78 (obv. 12 and rev. 61)
12. *Æ*; 24 mm; 14.04 gr.; axis 12; date: 134/35 CE (Fig. 2:A12)
Obv.: Tetrastyle façade of the Jerusalem Temple; inside, shewbread table; below, ladder-shaped balustrade; inscription: שׁמ/עוֹן; above façade, eroded rosette; upper right, traces of bust(?) from previous coin
Rev.: Bundle of lulav and ethrog; inscription: לחרות ירושלם
 Mildenberg 1984, pp. 144–145, no. 56 (obv. 13 and rev. 42)



Fig. 1. Hoard A — Tetradrachms

13. *AR*; 25 mm; 15.10 gr.; axis 1; date: 134/35 CE (Fig. 2:A13)
Obv.: Tetrastyle façade of the Jerusalem Temple; inside, shewbread table; below, ladder-shaped balustrade; inscription: שִׁמְעוֹן; above façade, rosette; underneath façade, traces of previous coin
Rev.: Bundle of lulav and ethrog; inscription: לַחֲרוֹת יְרוּשָׁלַם; underneath, traces of previous coin
 Mildenberg 1984, pp. 155–156, no. 78 (obv. 12 and rev. 61)
14. *AR*; 26 mm; 13.95 gr.; axis 1; date: 134/35 CE (Fig. 2:A14)
Obv.: Tetrastyle façade of the Jerusalem Temple; inside, shewbread table; below, ladder-shaped balustrade; inscription: שִׁמְעוֹן; above façade, rosette; underneath façade, traces of previous coin
Rev.: Bundle of lulav and ethrog; inscription: לַחֲרוֹת יְרוּשָׁלַם
 Mildenberg 1984, pp. 155–156, no. 78 (obv. 12 and rev. 61); similar to no. 13 above
15. *AR*; 25 mm; 14.30 gr.; axis 1; date: 134/35 CE (Fig. 2:A15)
Obv.: Tetrastyle façade of the Jerusalem Temple; inside, shewbread table; below, ladder-shaped balustrade; inscription: שִׁמְעוֹן; above façade, rosette; underneath façade, traces of previous coin
Rev.: Bundle of lulav and ethrog; inscription: לַחֲרוֹת יְרוּשָׁלַם; underneath, traces of eagle belonging to previous coin
 Mildenberg 1984, pp. 140, 141 (obv. 12 and rev. 33); unrecorded die link
16. *AR*; 25 mm; 13.35 gr.; axis 12; date: 134/35 CE (Fig. 2:A16)
Obv.: Tetrastyle façade of the Jerusalem Temple: columns with large, fluted shafts; entablature consisting of two parallel dotted lines. Capitals unattached to columns appear as small lines. Inside temple, shewbread table; below, ladder-shaped balustrade; inscription: שִׁמְעוֹן.
Rev.: Bundle of lulav and ethrog; inscription: לַחֲרוֹת יְרוּשָׁלַם. The first *lamed* resembles a *gamma* and is located very low. The second *resh* is close to and parallel to the lulav. The bottom of the final *mem* is parallel to the ethrog.
 Obv. and rev. unrecorded in Mildenberg 1984 and in Kaufman 2000–02, 2007–08
17. *AR*; 25 mm; 14.41 gr.; axis 12; date: 134/35 CE (Fig. 2:A17)
Obv.: Tetrastyle façade of the Jerusalem Temple: columns with large, fluted shafts; entablature consisting of two parallel dotted lines. Capitals unattached to columns appear as small lines. Inside temple, shewbread table; below, ladder-shaped balustrade; inscription: שִׁמְעוֹן.
Rev.: Bundle of lulav and ethrog; inscription: לַחֲרוֹת יְרוּשָׁלַם. The first *lamed* resembles a *gamma* and is located very low. The second *resh* is close

to and parallel to the lulav. The bottom of the final *mem* is parallel to the etrog.

Obv. and rev. unrecorded in Mildenberg 1984 and in Kaufman 2000–02, 2007–08; similar to no. 16 above

18. Ⲁ; 26 mm; 13.28 gr.; axis 12; date: 134/35 CE (Fig. 2:A18)

Obv.: Tetrastyle façade of the Jerusalem Temple: columns with large, fluted shafts; entablature consisting of two parallel dotted lines. Capitals unattached to columns appear as small lines. Inside temple, shewbread table; below, ladder-shaped balustrade; inscription: שׁמ/עוֹן.

Rev.: Bundle of lulav and ethrog; inscription: לחרות ירושלם. The first *lamed* resembles a *gamma* and is located very low. The second *resh* is close to and parallel to the lulav. The bottom of the final *mem* is parallel to the etrog.

Obv. and rev. unrecorded in Mildenberg 1984 and in Kaufman, 2000–02, 2007–08; similar to nos. 16 and 17 above

19. Ⲁ; 27 mm; 14.56 gr.; axis 12; date: 134/35 CE (Fig. 2:A19)

Obv.: Tetrastyle façade of the Jerusalem Temple; wavy line above temple architrave; inside, shewbread table; below, ladder-shaped balustrade; inscription: שׁמ/עוֹן

Rev.: Bundle of lulav and ethrog; inscription: לחרות ירושלם
Mildenberg 1984, pp. 166–167, no. 92 (obv. 17 and rev. 71)

20. Ⲁ; 25 mm; 14.27 gr.; axis 12; date: 134/35 CE (Fig. 2:A20)

Obv.: Tetrastyle façade of the Jerusalem Temple; wavy line above temple architrave; inside, shewbread table; below, ladder-shaped balustrade; inscription: שׁמ/עוֹן

Rev.: Bundle of lulav and ethrog; inscription: לחרות ירושלם; underneath, scratches

Mildenberg 1984, pp. 218–219, no. 163–164 (obv. 16 and rev. 68)

Denarii (Zuzim)

21. Ⲁ; 18 mm; 3.19 gr.; axis 2; date: 132–134 CE (Fig. 3:A21)

Obv.: Three-letter inscription in wreath: שׁמ/ע

Rev.: One-handled jug; in r. field, willow;¹⁵ inscription: זלעזר הכהן; on upper side, traces of letters from previous coin

Mildenberg 1984, pp. 173–174, no. 3 (obv. 3 and rev. 1)

¹⁵ For the identification of the willow on denarii from the Bar Kokhba Revolt, see Y. Adler: The Temple Willow-Branch Ritual Depicted on Bar Kokhba Denarii, *INJ* 16 (2008), pp. 131–135. The willow appears on the following *denarii*: A21–24, A28–31, A43–53, A78–83, C23; see below.



Fig. 2. Hoard A — Tetradrachms (cont.)

22. *Æ*; 18 mm; 2.81 gr.; axis 1; date: 132–134 CE (Fig. 3:A22)
Obv.: Three-letter inscription in wreath: ש/מ/ע
Rev.: One-handled jug; in r. field, willow; inscription: אלעזר הכהן
 Mildenberg 1984, pp. 173–174, no. 3 (obv. 3 and rev. 1)
23. *Æ*; 20 mm; 3.41 gr.; axis 2; date: 132–134 CE (Fig. 3:A23)
Obv.: Three-letter inscription in wreath: ש/מ/ע
Rev.: One-handled jug; in r. field, willow; inscription: אלעזר הכהן
 Mildenberg 1984, pp. 173–174, no. 3 (obv. 3 and rev. 1)
24. *Æ*; 18 mm; 3.48 gr.; axis 1; date: 132–134 CE (Fig. 3:A24; Fig. 4:A24r)
Obv.: Three-letter inscription in wreath: [ש/מ/ע]
Rev.: One-handled jug; in r. field, willow; inscription: אלעזר הכהן; underneath, bust of Flavian emperor (?), facing r.
 Mildenberg 1984, p. 175, no. 7 (obv. 4 and rev. 5)
25. *Æ*; 17 mm; 3.27 gr.; axis 2; date: 133/34 CE (Fig. 3:A25)
Obv.: Three-letter inscription in wreath: [ש/מ/ע]
Rev.: Harp and inscription: שב לחר ישראל
 Mildenberg 1984, p. 178, no. 13 (obv. 4 and rev. 7)
26. *Æ*; 19 mm; 2.68 gr.; axis 2; date: 133/34 CE (Fig. 3:A26)
Obv.: Three-letter inscription in wreath: ש/מ/ע
Rev.: Two trumpets and inscription: שב לחר ישר
 Mildenberg 1984, p. 359 (obv. 3 and rev. 14)
27. *Æ*; 19 mm; 2.67 gr.; axis 1; date: 133/34 CE (Fig. 3:A27)
Obv.: Three-letter inscription in wreath: ש/מ/ע
Rev.: Two trumpets and inscription: שב ל[חר י]שר
 Mildenberg 1984, pp. 180–181, no. 19 (obv. 4 and rev. 14)
28. *Æ*; 19 mm; 3.34 gr.; axis 1; date: 133/34 CE (Fig. 3:A28)
Obv.: Three-letter inscription in wreath: ש/מ/ע
Rev.: One-handled jug; in r. field, willow; inscription: שב לחר ישא
 Mildenberg 1984, pp. 181–182, nos. 21–22 (obv. 5 and rev. 15)
29. *Æ*; 17 mm; 3.44 gr.; axis 1; date: 133/34 CE (Fig. 3:A29)
Obv.: Three-letter inscription in wreath: ש/מ/ע
Rev.: One-handled jug; in r. field, willow; inscription: שב לחר ישא
 Mildenberg 1984, pp. 181–182, nos. 21–22 (obv. 5 and rev. 15)
30. *Æ*; 18 mm; 3.23 gr.; axis 1; date: 133/34 CE (Fig. 3:A30)
Obv.: Three-letter inscription in wreath: ש/מ/ע
Rev.: One-handled jug; in r. field, willow; inscription: שב לחר ישא; lower r., the Latin letters DRIANUS from previous coin (denarius of Hadrian); traces of bust of Emperor

- Mildenberg 1984, p. 185, no. 30 (obv. 5 and rev. 18)
31. *AR*; 18 mm; 2.88 gr.; axis 1; date: 133/34 CE (Fig. 3:A31)
Obv.: Three-letter inscription in wreath: ש/מ/ע
Rev.: One-handed jug; in r. field, willow; inscription: שב לחר ישא; upper l., the Latin letters IMP CAESAR from previous coin (denarius); traces of bust of Emperor
 Mildenberg 1984, pp. 186–187, no. 33 (obv. 5 and rev. 21)
32. *AR*; 20 mm; 3.44 gr.; axis 6; date: 133/34 CE (Fig. 3:A32)
Obv.: Bunch of grapes; inscription: שמעון; upper l., the Latin letters ERVA TRAIAN AVG from previous coin (denarius of Trajan)
Rev.: One-handed jug; in r. field, willow; inscription: שב לחר ישאר
 Mildenberg 1984, p. 195, no. 45 (obv. 8 and rev. 22)
33. *AR*; 13 mm; 3.04 gr.; axis 6; date: 133/34 CE (Fig. 3:A33)
Obv.: Bunch of grapes; inscription: שמעון; upper r., traces of letters from previous coin
Rev.: Palm branch (*lulav*); inscription: שב לחר ישאל
 Mildenberg 1984, pp. 190–192, no. 40 (obv. 7 and rev. 12)
34. *AR*; 18 mm; 3.24 gr.; axis 6; date: 133/34 CE (Fig. 3:A34)
Obv.: Bunch of grapes; inscription: שמעון
Rev.: Palm branch (*lulav*); inscription: שב לחר ישאל
 Mildenberg 1984, pp. 190–192, no. 40 (obv. 7 and rev. 12)
35. *AR*; 19 mm; 2.50 gr.; axis 6; date: 133/34 CE (Fig. 3:A35)
Obv.: Bunch of grapes; inscription: שמעון; upper r., traces of letters from previous coin
Rev.: Palm branch (*lulav*); inscription: שב לחר ישאל
 Mildenberg 1984, pp. 192–193, no. 41 (obv. 8 and rev. 12)
36. *AR*; 20 mm; 3.27 gr.; axis 6; date: 133/34 CE (Fig. 3:A36)
Obv.: Bunch of grapes; inscription: [שמ]עון; upper r., traces of letters from previous coin
Rev.: Lyre; inscription: שב לחר [י]שא; upper l., the letters IHYPIA belonging to previous coin (drachm of Trajan from Provincia Arabia)?
 Mildenberg 1984, pp. 196–197, no. 47 (obv. 8 and rev. 27)
37. *AR*; 18 mm; 2.99 gr.; axis 12; date: 133/34 CE (Fig. 3:A37)
Obv.: Five-letter inscription in wreath: ש/מ/נ/ע/ו (i.e., שמעון)
Rev.: Palm branch (*lulav*); inscription: שבלחר ישראל
 Mildenberg 1984, pp. 202–203, no. 60 (obv. 14 and rev. 32)
38. *AR*; 18 mm; 3.12 gr.; axis 1; date: 134/35 CE (Fig. 3:A38)
Obv.: Five-letter inscription in wreath: ש/מ/נ/ע/ו

- Rev.*: Palm branch (*lulav*); inscription: לחרות ירושל
Mildenberg 1984, p. 206, no. 66 (obv. 14 and rev. 38)
39. \mathcal{A} ; 19 mm; 2.98 gr.; axis 12; date: 134/35 CE (Fig. 3:A39)
Obv.: Five-letter inscription in wreath: שם/נעו
Rev.: Palm branch (*lulav*); inscription: לחרות ירושלם
Mildenberg 1984, pp. 203–204, no. 62 (obv. 14 and rev. 34)
40. \mathcal{A} ; 19 mm; 3.24 gr.; axis 12; date: 134/35 CE (Fig. 3:A40)
Obv.: Five-letter inscription in wreath: שם/נעו
Rev.: Palm branch (*lulav*); inscription: לחרות ירושלם
Mildenberg 1984, p. 205, no. 65 (obv. 14 and rev. 37)
41. \mathcal{A} ; 19 mm; 3.18 gr.; axis 1; date: 134/35 CE (Fig. 3:A41)
Obv.: Five-letter inscription in wreath: שם/נעו; upper r., traces of letters from previous coin
Rev.: Palm branch (*lulav*); inscription: לחרות ירושלם; lower l., three letters from previous coin: MAN
Mildenberg 1984, p. 205, no. 65 (obv. 14 and rev. 37)
42. \mathcal{A} ; 19 mm; 2.85 gr.; axis 1; date: 134/35 CE (Fig. 4:A42)
Obv.: Five-letter inscription in wreath: שם/נעו
Rev.: Palm branch (*lulav*); inscription: לחרות ירושלם
Mildenberg 1984, pp. 224–225, no. 103 (obv. 16 and rev. 71)
43. \mathcal{A} ; 19 mm; 3.17 gr.; axis 12; date: 134/35 CE (Fig. 4:A43)
Obv.: Five-letter inscription in wreath: שם/נעו; lower r., the three letters Δ HM belonging to previous coin (drachm of Trajan from Provincia Arabia)
Rev.: One-handled jug; in r. field, willow; inscription: לחר[ו]ת ירושלם; lower l., traces of letters
Mildenberg 1984, pp. 213–214, nos. 82–83 (obv. 14 and rev. 53)
44. \mathcal{A} ; 19 mm; 2.98 gr.; axis 12; date: 134/35 CE (Fig. 4:A44)
Obv.: Five-letter inscription in wreath: שם/נעו
Rev.: One-handled jug; in r. field, willow; inscription: לחרות ירושלם
Mildenberg 1984, p. 210, no. 77 (obv. 14 and rev. 49)
45. \mathcal{A} ; 18 mm; 3.01 gr.; axis 12; date: 134/35 CE (Fig. 4:A45; Fig. 9:A45 (camel))
Obv.: Five-letter inscription in wreath: שם/נעו; lower r., traces of letters from previous coin
Rev.: One-handled jug; in r. field, willow; inscription: לחרות ירו[ש]לם; on l., back part of camel belonging to drachm of Trajan from Provincia Arabia
Mildenberg, 1984, p. 209, no. 75 (obv. 14 and rev. 47)

46. *Æ*; 18 mm; 2.84 gr.; axis 1; date: 134/35 CE (Fig. 4:A46)
Obv.: Five-letter inscription in wreath: שׁמ/נעו; on upper r., remains of bust of Emperor
Rev.: One-handled jug; in r. field, willow; inscription: לחרות ירושלם
 Mildenberg 1984, pp. 213–214, no. 82 (obv. 14 and rev. 53)
47. *Æ*; 18 mm; 3.14 gr.; axis 1; date: 134/35 CE (Fig. 4:A47)
Obv.: Five-letter inscription in wreath: שׁמ/נעו; lower part, the four letters MAPX belonging to previous coin (drachm of Trajan from Provincia Arabia)
Rev.: One-handled jug; in r. field, willow; inscription: [לחרות ירושלם]; lower r., the letters AYTOKPA from previous coin (a drachm)
 Mildenberg 1984, p. 228, no. 110 (obv. 16 and rev. 75)
48. *Æ*; 16 mm; 2.83 gr.; axis 12; date: 134/35 CE (Fig. 4:A48)
Obv.: Five-letter inscription in wreath: שׁמ/נעו
Rev.: One-handled jug; in r. field, willow; inscription: לחרות ירושלם
 Mildenberg 1984, pp. 211–213, no. 79–80 (obv. 14 and rev. 51)
49. *Æ*; 19 mm; 3.01 gr.; axis 12; date: 134/35 CE (Fig. 4:A49)
Obv.: Five-letter inscription in wreath: שׁמ/נעו; traces of letters from previous coin
Rev.: One-handled jug; in r. field, willow; inscription: לחרות ירושלם; traces of letters from previous coin
 Mildenberg 1984, p. 225, no. 104 (obv. 16 and rev. 55)
50. *Æ*; 17 mm; 2.95 gr.; axis 12; date: 134/35 CE (Fig. 4:A50)
Obv.: Five-letter inscription in wreath: שׁמ/נעו; traces of the three letters MAP belonging to previous coin (drachm of Provincia Arabia)
Rev.: One-handled jug; in r. field, willow; inscription: לחרות ירושלם; on lower r., traces of letters from previous coin. In the lower right one can see damage to the die. This damage was recorded by Mildenberg (1984).
 Mildenberg 1984, p. 225, no. 86 (obv. 15 and rev. 55)
51. *Æ*; 18 mm; 3.38 gr.; axis 12; date: 134/35 CE (Fig. 4:A51; Fig. 9:A51r)
Obv.: Five-letter inscription in wreath: שׁמ/נעו
Rev.: One-handled jug; in r. field, willow; inscription: לחרות ירושלם; on lower part, profile of Emperor and traces of letters from previous coin
 Mildenberg 1984, p. 210, no. 77 (obv. 14 and rev. 49)
52. *Æ*; 18 mm; 3.16 gr.; axis 12; date: 134/35 CE (Fig. 4:A52)
Obv.: Five-letter inscription in wreath: שׁמ/נעו
Rev.: One-handled jug; in r. field, willow; inscription: לחרות ירושלם
 Mildenberg 1984, pp. 240–242, no. 134 (obv. 19 and rev. 94)

53. *AR*; 19 mm; 3.34 gr.; axis 12; date: 134/35 CE (Fig. 4:A53)
Obv.: Five-letter inscription in wreath: שׁמ/ענו
Rev.: One-handled jug; in r. field, willow; inscription: לחרות ירושלם; on l. side, head of Emperor and traces of letters from previous coin
 Mildenberg 1984, pp. 208–209, no. 72 (obv. 14 and rev. 44)
54. *AR*; 18 mm; 3.21 gr.; axis 1; date: 134/35 CE (Fig. 4:A54)
Obv.: Five-letter inscription in wreath: שׁמ/נעו
Rev.: Three-stringed lyre; inscription: לחרות ירושלם; around, traces of letters from previous coin
 Mildenberg 1984, p. 221, no. 97 (obv. 15 and rev. 66)
55. *AR*; 18 mm; 3.24 gr.; axis 2; date: 134/35 CE (Fig. 4:A55)
Obv.: Five-letter inscription in wreath: שׁמ/נעו
Rev.: Three-stringed lyre; inscription: לחרות ירושל; around, traces of letters from previous coin
 Mildenberg 1984, p. 220, no. 94 (obv. 15 and rev. 63)
56. *AR*; 17 mm; 3.40 gr.; axis 2; date: 134/35 CE (Fig. 4:A56)
Obv.: Five-letter inscription in wreath: שׁמ/ענו
Rev.: Three-stringed lyre; inscription: לחרות ירושלם; above, traces of letters from previous coin
 Mildenberg 1984, pp. 236–238, no. 130 (obv. 19 and rev. 67)
57. *AR*; 19 mm; 3.13 gr.; axis 12; date: 134/35 CE (Fig. 4:A57; Fig. 9:A57o)
Obv.: Five-letter inscription in wreath: שׁמ/ענו; below, traces of the letters ARAVGFDOMITIANV from previous coin (denarius of Domitian)
Rev.: Three-stringed lyre; inscription: לחרות ירושלם; lower l., traces of letters from previous coin
 Mildenberg 1984, pp. 236–238, no. 130 (obv. 19 and rev. 67).
58. *AR*; 18 mm; 3.23 gr.; axis 3; date: 134/35 CE (Fig. 4:A58)
Obv.: Five-letter inscription in wreath: שׁמ/ענו
Rev.: Three-stringed lyre; inscription: לחרות ירושלם; upper l., traces of letters from previous coin
 Mildenberg 1984, p. 231, no. 117 (obv. 18 and rev. 67)
59. *AR*; 19 mm; 3.27 gr.; axis 12; date: 134/35 CE (Fig. 4:A59)
Obv.: Five-letter inscription in wreath: שׁמ/ענו; lower r., traces of letters from previous coin
Rev.: Three-stringed lyre; inscription: לחרות ירושלם; lower l., traces of the three letters ANV from previous coin
 Mildenberg 1984, p. 235, no. 127 (obv. 19 and rev. 88)

60. *Æ*; 18 mm; 3.27 gr.; axis 1; date: 134/35 CE (Fig. 4:A60)
Obv.: Five-letter inscription in wreath: שמ/נעו
Rev.: Three-stringed lyre; inscription: לחרות ירושל
 Mildenberg 1984, pp. 215–216, no. 84 (obv. 14 and rev. 54)
61. *Æ*; 19 mm; 3.45 gr.; axis 12; date: 134/35 CE (Fig. 4:A61)
Obv.: Five-letter inscription in wreath: שמ/ענו
Rev.: One-handled jug; inscription: לחרות ירושלם; upper r., traces of previous coin
 Mildenberg 1984, pp. 235–236, no. 128 (obv. 19 and rev. 89)
62. *Æ*; 20 mm; 3.15 gr.; axis 6; date: 134/35 CE (Fig. 4:A62; Fig. 9:A62o)
Obv.: Bunch of grapes; inscription: [שמ]עון; upper r., traces of letters from previous coin
Rev.: Three-stringed lyre; inscription: לחרות ירושלם; lower l., traces of six Latin letters (IMP CAES) and profile of Emperor
 Mildenberg 1984, p. 257, no. 165 (obv. 21 and rev. 106)
63. *Æ*; 19 mm; 3.23 gr.; axis 6; date: 134/35 CE (Fig. 5:A63)
Obv.: Bunch of grapes; inscription: [שמ]עון; lower l., traces of letters from previous coin
Rev.: Three-stringed lyre; inscription: לחרות ירושלם; upper l., the six letters OPTIMO from previous coin (denarius of Trajan)
 Mildenberg 1984, p. 281, no. 209 (obv. 24 and rev. 113)
64. *Æ*; 18 mm; 2.81 gr.; axis 6; date: 134/35 CE (Fig. 5:A64)
Obv.: Bunch of grapes; inscription: [שמ]עון
Rev.: Three-stringed lyre; inscription: לחרות ירושלם
 Mildenberg 1984, p. 285, no. 218 (obv. 24 and rev. 141)
65. *Æ*; 17 mm; 3.09 gr.; axis 6; date: 134/35 CE (Fig. 5:A65)
Obv.: Bunch of grapes; inscription: שמעון
Rev.: Three-stringed lyre; inscription: לחרות ירושלם
 Mildenberg 1984, p. 285, no. 218 (obv. 24 and rev. 141)
66. *Æ*; 20 mm; 3.30 gr.; axis 7; date: 134/35 CE (Fig. 5:A66)
Obv.: Bunch of grapes; inscription: שמעון
Rev.: Three-stringed lyre; inscription: לחרות ירושלם
 Mildenberg 1984, pp. 281–282, no. 210 (obv. 24 and rev. 135)
67. *Æ*; 19 mm; 3.47 gr.; axis 6; date: 134/35 CE (Fig. 5:A67)
Obv.: Bunch of grapes; inscription: שמעון
Rev.: Three-stringed lyre; inscription: לחרות ירושלם
 Mildenberg 1984, p. 280, no. 208 (obv. 24 and rev. 120)



Fig. 4. Hoard A — Denarii (cont.)

68. *Æ*; 18 mm; 3.46 gr.; axis 7; date: 134/35 CE (Fig. 5:A68; Fig. 9:A68o)
Obv.: Bunch of grapes; inscription: שמעון; underneath, profile of Emperor.
Rev.: Three-stringed lyre; inscription: לחרות ירושלם; underneath, traces of previous coin
 Mildenberg 1984, p. 281, no. 209 (obv. 24 and rev. 113)
69. *Æ*; 19 mm; 3.46 gr.; axis 7; date: 134/35 CE (Fig. 5:A69)
Obv.: Bunch of grapes; inscription: שמעון
Rev.: Three-stringed lyre; inscription: לחרות ירושלם
 Mildenberg 1984, p. 284, no. 214 (obv. 24 and rev. 138)
70. *Æ*; 18 mm; 3.31 gr.; axis 6; date: 134/35 CE (Fig. 5:A70)
Obv.: Bunch of grapes; inscription: שמעון
Rev.: Three-stringed lyre; inscription: לחרות ירושלם
 Mildenberg 1984, p. 284, no. 214 (obv. 24 and rev. 138)
71. *Æ*; 18 mm; 3.60 gr.; axis 6; date: 134/35 CE (Fig. 5:A71)
Obv.: Bunch of grapes; inscription: שמעון
Rev.: Three-stringed lyre; inscription: לחרות ירושלם
 Mildenberg 1984, p. 282, no. 212 (obv. 24 and rev. 136)
72. *Æ*; 19 mm; 3.57 gr.; axis 7; date: 134/35 CE (Fig. 5:A72)
Obv.: Bunch of grapes; inscription: שמעון
Rev.: Palm branch (*lulav*); inscription: לחרות ירושלם
 Mildenberg 1984, p. 247, no. 148 (obv. 11 and rev. 60)
73. *Æ*; 19 mm; 3.24 gr.; axis 6; date: 134/35 CE (Fig. 5:A73; Fig. 9:A73r)
Obv.: Bunch of grapes; inscription: שמעון
Rev.: Two trumpets; inscription: לחרות ירו[של]ם; underneath, bust of Domitian and traces of letters: OMITIAN
 Mildenberg 1984, p. 273, no. 198 (obv. 24 and rev. 127)
74. *Æ*; 19 mm; 3.18 gr.; axis 7; date: 134/35 CE (Fig. 5:A74)
Obv.: Bunch of grapes; inscription: שמעון; around, fragments of Greek letters from drachm of Trajan from Provincia Arabia: ΔΗΜΑΡΧΕΞΙΗ
Rev.: Two trumpets; inscription: לחרות ירו[של]ם
 Mildenberg 1984, p. 255, no. 162 (obv. 21 and rev. 85)
75. *Æ*; 18 mm; 3.31 gr.; axis 6; date: 134/35 CE (Fig. 5:A75; Fig. 9:A75o)
Obv.: Bunch of grapes; inscription: שמעון; underneath, bust of Trajan and remains of Latin inscription: PMTRPCOS
Rev.: Two trumpets; inscription: לחרות ירו[של]ם; traces of letters
 Mildenberg 1984, p. 255, no. 162 (obv. 21 and rev. 85)
76. *Æ*; 19 mm; 3.24 gr.; axis 6; date: 134/35 CE (Fig. 5:A76)
Obv.: Bunch of grapes; inscription: שמעון

- Rev.*: Two trumpets; inscription: לחרות ירושלם
Mildenberg 1984, pp. 250–251, no. 153 (obv. 11 and rev. 85)
77. *Æ*; 18 mm; 3.35 gr.; axis 12; date: 134/35 CE; irregular coin (Fig. 5:A77)
Obv.: Bunch of grapes; inscription: שמעון
Rev.: Two trumpets; inscription: לחרות ירושלם
Mildenberg 1984, p. 255, no. 251 (obv. 45 and rev. 167)
78. *Æ*; 19 mm; 3.72 gr.; axis 6; date: 134/35 CE (Fig. 5:A78)
Obv.: Bunch of grapes; inscription: שמעון
Rev.: One-handled jug; in r. field, willow; inscription: לחרות ירושלם
Mildenberg 1984, pp. 271–272, no. 195 (obv. 24 and rev. 126)
79. *Æ*; 19 mm; 2.71 gr.; axis 6; date: 134/35 CE (Fig. 5:A79)
Obv.: Bunch of grapes; inscription: שמעון; traces of letters from previous coin
Rev.: One-handled jug; in r. field, willow; inscription: לחרות ירושלם; underneath, traces of the letters ΥΠΑΤΞ from previous coin (drachm of Provincia Arabia)
Mildenberg 1984, p. 252, no. 157 (obv. 11 and rev. 77)
80. *Æ*; 17 mm; 2.94 gr.; axis 7; date: 134/35 CE (Fig. 5:A80)
Obv.: Bunch of grapes; inscription: שמעון; traces of the letters KAIC from previous coin
Rev.: One-handled jug; in r. field, willow; inscription: לחרות ירושלם
Mildenberg 1984, pp. 251–252, no. 156 (obv. 11 and rev. 58)
81. *Æ*; 19 mm; 3.21 gr.; axis 6; date: 134/35 CE (Fig. 5:A81)
Obv.: Bunch of grapes; inscription: שמעון; traces of the letters TRA from previous coin (denarius of Trajan)
Rev.: One-handled jug; in r. field, willow; inscription: לחרות ירושלם; traces of letters
Mildenberg 1984, pp. 254–255, no. 161 (obv. 21 and rev. 81)
82. *Æ*; 23 mm; 3.38 gr.; axis 6; date: 134/35 CE (Fig. 5:A82)
Obv.: Bunch of grapes; inscription: שמעון; traces of the letters PM from previous coin
Rev.: One-handled jug; in r. field, willow; inscription: לחרות ירושלם; traces of letters
Mildenberg 1984, pp. 270–271, no. 194 (obv. 24 and rev. 125)
83. *Æ*; 19 mm; 3.56 gr.; axis 6; date: 134/35 CE. (Fig. 5:A83)
Obv.: Bunch of grapes; inscription: שמעון
Rev.: One-handled jug; in r. field, willow; inscription: לחרות ירושלם
Mildenberg 1984, pp. 254–255, no. 161 (obv. 21 and rev. 81)

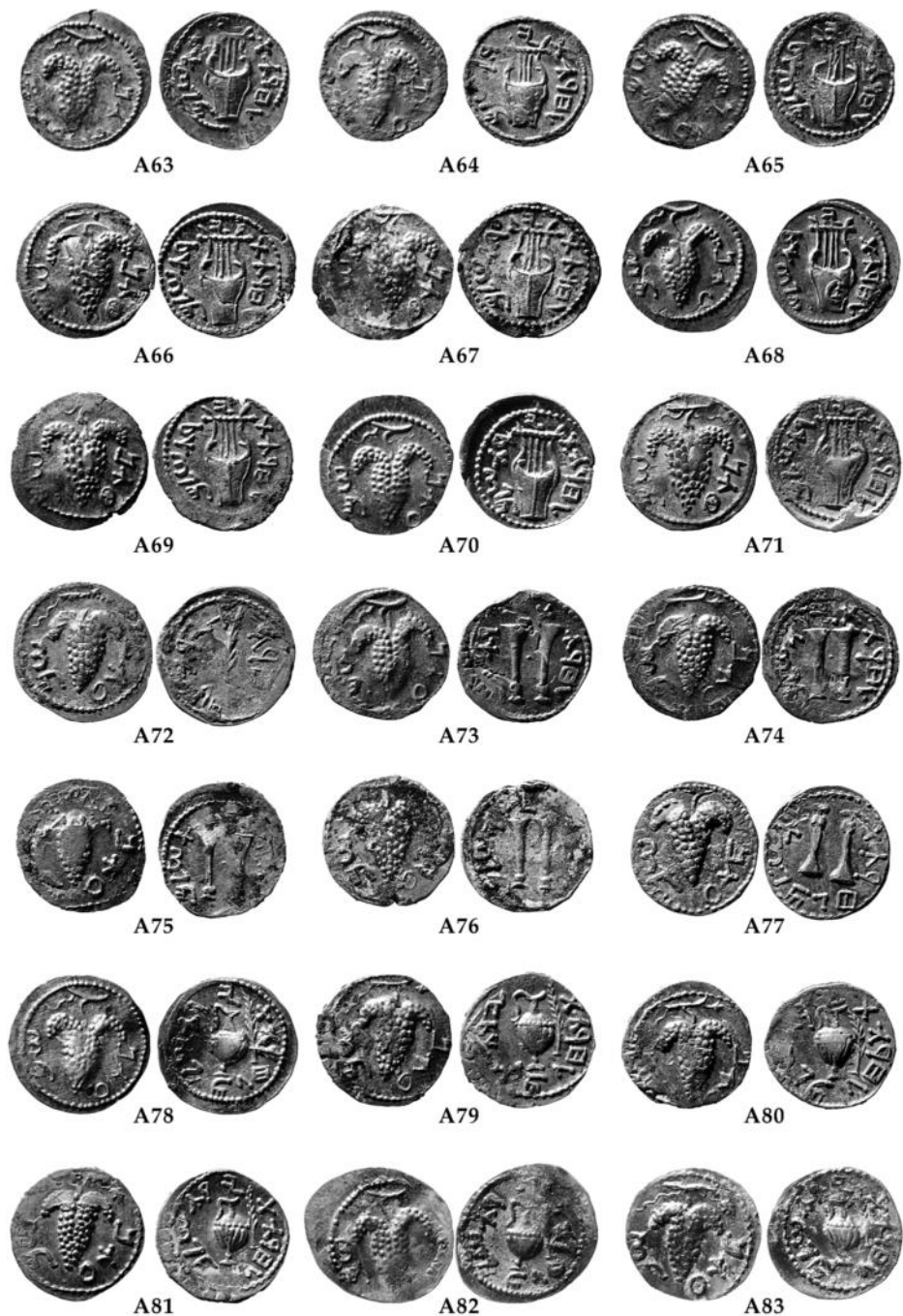


Fig. 5. Hoard A — Denarii (cont.)

Coin Found on Surface, near Hoard A

84. Æ; 23 mm; 11.68 gr.; axis 12; date: 119/20 CE (Fig. 9:84)
Obv.: Bust of Hadrian r., laureate, undraped; in front, inscription:
 [CEBACTOC]
Rev.: City goddess, standing l. on prow, with standard and aphlaston; on l.,
 inscription and altar; on r., dove standing l.; inscription: [ACKAΛΩ];
 in field, date: Γ[KC] (223)
BMC Palestine, p. 127, no. 175

Hoard B

1. Æ; 18 mm; 3.33 gr.; axis 6; Mint of Rome; date: 92 CE (Fig. 6:B1)
Obv.: Head of Domitian, r., laureate; inscription: IMP CAES DOMIT AVG
 GERM PM TRP XI
Rev.: Minerva, helmeted, draped, standing l. holding vertical spear in r.
 hand, l. arm bent; inscription: IMP XXI COS XVI CENS PPP
BMCRE II, p. 337, nos. 194–198; pl. 65:16
2. Æ; 19 mm; 3.30 gr.; axis 6; Mint of Rome; date: 101–102 CE (Fig. 6:B2)
Obv.: Bust of Trajan, r., laureate; inscription: IMP CAES NERVA TRAIAN
 AVG GERM
Rev.: Victory, naked to hips, standing r., l. foot set on helmet, inscribing
 shield resting on altar; inscription: P M T R P COS IIII P P
BMCRE III, p. 45, no. 111, pl. 11:5
3. Æ; 28 mm; 8.79 gr.; axis 8; mint of Bostra; date: 112–114 CE (Fig. 6:B3)
Obv.: Bust of Trajan, laureate, r.; inscription: AYTOKP KAIC NEP
 TPAIANOC CEB ΓEPM ΔAK
Rev.: Legionary eagle flanked by two standards; inscription: ΔEMAPX
 EΞYΠATOϚ
 In the past, it was generally believed that this coin was struck at Caesarea of
 Cappadocia; see *BMC Galatia*, p. 57, pl. X:2; Sydenham 1933, p. 70. Today,
 this coin is attributed to Bostra; see Metcalf 1975, 105, no. 8; Walker 1977, p.
 106, no. 3370; *SNG*, vol. 4, nos. 1160–1165; McAlee 2007, p. 194.
4. Æ; 16 mm; 2.88 gr.; axis 6; mint of Bostra; date: 112 CE (Fig. 6:B4)
Obv.: Bust of Trajan, r., laureate, inscription: [AYTOKP KAIC NE]P
 TPAIANOC CEB ΓEPM [ΔAK]
Rev.: Personification of Arabia, draped, standing l., holding branch in r.
 hand extended over camel, walking l., in her l. hand sword; inscrip-
 tion: ΔHMAPX EΞ IϚ YΠATϚ
 Meshorer 1981, no. 1155

5. *Æ*; 19 mm; 3.20 gr.; axis 6; mint of Bostra; date: 112–114 CE (Fig. 6:B5)
Obv.: Bust of Trajan, r., laureate; inscription: [AYTOK]P KAIC NEP
 TPAIAN CEB ΓEPM ΔAK
Rev.: Personification of Arabia, draped, standing l., holding branch in r.
 hand extended over camel, walking l., in her l. hand sword; inscription:
 ΔHMAPX []
 Meshorer 1981, nos. 1155–1157
6. *Æ*; 18 mm; 2.77 gr.; axis 6; mint of Bostra; date: 112–114 CE (Fig. 6:B6)
Obv.: Bust of Trajan, r., laureate; inscription: [AYTOKP] KAIC NEP
 TPAIAN CEB ΓEPM Δ[AK]
Rev.: Personification of Arabia, draped, standing l., holding branch in r.
 hand extended over camel, walking l., in her l. hand sword; inscription:
 ΔHMAPX []
 Meshorer 1981, nos. 1155–1157
7. *Æ*; 15 mm; 1.93 gr.; axis 12; date: 135–104 BCE (Fig. 6:B7)
Obv.: Paleo-Hebrew inscription in wreath: יה[ו]חנן ה/כהן הגדל וחבר/היהודים
Rev.: Double cornucopia with pomegranate between horns
TJC, pp. 203–204, group D
8. *Æ*; 22 mm; 14.14 gr.; axis 12; date: 67 CE (Fig. 6:B8)
Obv.: Cup; rim decorated with row of nine pellets; above it, date: שב (Year
 2); around, שקל ישראל (Shekel of Israel)
Rev.: Stem with three pomegranates; around, ירושלים הקדושה (Jerusalem the
 Holy)
TJC, p. 241, no. 193, pl. 61:193; Deutsch 2009, no. 15, pl. 4.¹⁶
9. *Æ*; 18 mm; 3.28 gr.; axis 1; date: 135 CE (Fig. 6:B9)
Obv.: Five-letter inscription in wreath: שח/נעו
Rev.: Flagon with handle; inscription: לחרות ירושלם
 Mildenberg 1984, p. 218, no. 88
10. *Æ*; 18 mm; 2.65 gr.; axis 1; date: 135 CE (Fig. 6:B10)
Obv.: Five-letter inscription in wreath: שח/נעו
Rev.: Palm branch; inscription: [ירושלם]
 Mildenberg 1984, pp. 219–220, no. 91
 This coin was found in a notch about 30 cm above the rest of the coins of this
 group.

¹⁶ We are grateful to Robert Deutsch for this reference.

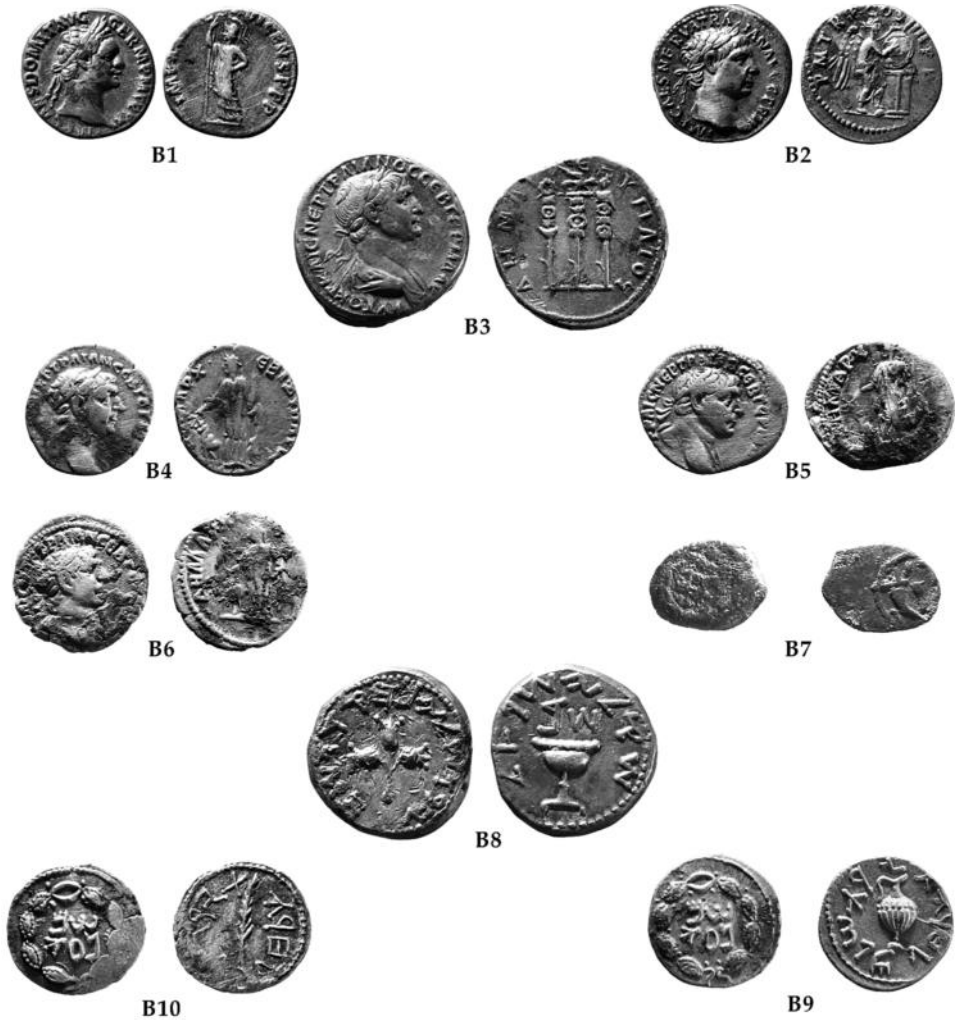


Fig. 6. Hoard B

Hoard C

1. *A*; 19 mm; 7.27 gr.; axis 3; mint of Lugdunum; date: 36–37 CE (Fig. 7:C1)
Obv. Head of Tiberius, r., laureate; inscription: TI CAESAR DIVI AVG F
 AVGVSTVS
Rev.: Female figure (depicting Livia as Pax), draped, seated r. on chair,
 holding branch in l. hand and long scepter in r.; inscription: PONTIF
 MAXIM, r. up, l. down
BMCRE I, p. 126, no. 49, pl. 23:5.

2. *A*; 18 mm; 7.16 gr.; axis 6; mint of Rome; date: 64–68 CE (Fig. 7:C2)
Obv.: Head of Nero, r., laureate; inscription: IMP NERO CAESAR
 AVGVSTVS, l. up, r. down
Rev.: Jupiter with cloak around lower limbs, bare to waist, seated l. on
 throne, holding fulmen in r. hand and long scepter in l.; inscription:
 IVPPITER CVSTOS, l. up, r. down
BMCRE I, p. 210, no. 74, pl. 39:20
3. *A*; 18 mm; 7.17 gr.; axis 6; mint of Rome; date: 64–68 CE (Fig. 7:C3)
Obv.: Head of Nero, r., laureate; inscription: IMP NERO CAESAR
 AVGVSTVS, l. up, r. down
Rev.: Jupiter with cloak around lower limbs, bare to waist, seated l. on
 throne, holding fulmen in r. hand and long scepter in l.; inscription:
 IVPPITER CVSTOS, l. up, r. down
BMCRE I, p. 210, no. 77, pl. 39:21
4. *A*; 20 mm; 7.23 gr.; axis 6; mint of Rome; date: 69 CE (Fig. 7:C4)
Obv.: Head of Vitellius, r., laureate; inscription: A VITELLIUS GERM IMP
 AVG TRP
Rev.: Vitellius, togate, seated l. on curule chair, feet on stool, extending r.
 hand and holding eagle-tipped scepter in l.; inscription: L
 VITELLIUS C OS III CENSOR, starting lower l.
BMCRE I, p. 371, no. 23, pl. 61:2
5. *A*; 20 mm; 7.22 gr.; axis 12; mint of Lugdunum; date: 71 CE (Fig. 7:C5)
Obv.: Head of Vespasian, laureate, r.; inscription: IMP CAES VESPASIAN
 AVG PM TR P P P COS III
Rev.: Nemesis, winged, draped, advancing r., holding in l. hand winged
 caduceus pointed downwards at snake gliding r. before her. Her r. arm
 is bent upwards and with r. hand she is pulling out a fold of her robe
 below the neck. Inscription: [PACI] AVGVSTI.
BMCRE II, p. 82, no. 399–400, pl. 13:20
6. *A*; 17 mm; 3.35 gr.; axis 6; Mint of Rome; date: 72–73 CE (Fig. 7:C6)
Obv.: Head of Vespasian, r., laureate; inscription: IMP CAES VESP AVG
 PM COS IIII
Rev.: Simpulum, sprinkler, jug and lituus; above, AVGUR; below, [T]RI
 POT
BMCRE II, p. 11, no. 64
7. *A*; 15 mm; 3.48 gr.; axis 6; Mint of Rome; date: 76 CE (Fig. 7:C7)
Obv.: Head of Vespasian, r., laureate; inscription: IMP CAESAR
 VESPASIANVS AVG

- Rev.*: Pax, bare to the waist, seated l., holding branch extended in r. hand, l. hand on lap; inscription: PON MAX TRP COS []
BMCRE II, pp. 32–33, no. 172; pl. 5:8
8. *Æ*; 20 mm; 3.32 gr.; axis 6; Mint of Rome; date: 88 CE (Fig. 7:C8)
Obv.: Head of Domitian, r., laureate; inscription: IMP CAES DOMIT AVG GERM PM TRP VII
Rev.: Minerva, helmeted, draped, standing on prow, brandishing javelin in r. hand and holding round shield in l.; at l. foot, owl; inscription: IMP XIII COS XIII CENS PPP
BMCRE II, p. 324, no. 117; pl. 63:10
9. *Æ*; 19 mm; 3.55 gr.; axis 6; Mint of Rome; date: 90–91 CE (Fig. 7:C9)
Obv.: Head of Domitian, r., laureate; inscription: IMP CAES DOMIT [AVG] GERM PM TRP X
Rev.: Minerva, helmeted, draped, standing on prow, brandishing javelin in r. hand and holding round shield in l.; at l. foot, owl; inscription: IMP XXI COS XV CENS PPP
BMCRE II, p. 335, no. 179, 180
10. *Æ*; 19 mm; 3.87 gr.; axis 7; Mint of Rome; date: 98–99 CE (Fig. 7:C10)
Obv.: Head of Trajan, r., laureate; inscription: IMP CAES NERVA TRAIAN AVG GERM
Rev.: Vesta, not veiled, draped, seated l. on seat without back, holding patera in extended r. hand and torch sloping upwards to r.; inscription: P•M•T R•P•COS•II•P•P
BMCRE III, p. 35, no. 26, pl. 9:13
11. *Æ*; 18 mm; 3.21 gr.; axis 5; Mint of Rome; date: 118 CE (Fig. 7:C11)
Obv.: Bust of Hadrian, r., laureate; inscription: IMP CAESAR TRAIAN HADRIANVS AVG
Rev.: Aequitas (or Moneta?) draped, standing l., holding scales in r. hand and cornucopia in l.; inscription: P M T R P COS III
BMCRE III, p. 260, no. 156
12. *Æ*; 18 mm; 3.22 gr.; axis 7; Mint of Rome; date: 119–122 CE (Fig. 7:C12)
Obv.: Bust of Hadrian, r., laureate: IMP CAESAR TRAIAN HADRIANVS AVG
Rev.: Fortuna, draped, standing l., holding rudder on ground in r. hand and cornucopia in l., l. hand resting on column; inscription: P M T R P COS III
BMCRE III, p. 262, no. 170, pl. 50:9
13. *Æ*; 20 mm; 3.24 gr.; axis 6; Mint of Rome; date: 128–132 CE (Fig. 7:C13)
Obv.: Bust of Hadrian, r., laureate; inscription: HADRIANVS AVGVSTVS

Rev.: Star above and within crescent: COS III

BMCRE III, p. 302, no. 502, pl. 56:14

14. *Æ*; 28 mm; 14.05 gr.; axis 12; mint of Antioch; date: 69 CE (Fig. 8:C14)
Obv.: Head of Galba, laureate, r.; in r. field, star; inscription: CEBACTOC
 ΓΑΛΒΑ ΕΣΠΑΣΙΑΝΟΥ
Rev.: Eagle to front, head l. on thunderbolt; on l., palm branch; inscription:
 ΕΤΟΥΣ ΝΕΟΥ ΙΕΡΟΥ Α
RPC I, p. 617, no. 4195, pl. 160:4195; McAlee 2007, p. 147, no. 304
15. *Æ*; 23 mm; 14.22 gr.; axis 12; mint of Antioch; date: 69/70 CE (Fig. 8:C15)
Obv.: Head of Vespasian, laureate, l.; inscription: ΑΥΤΟΚΡΑΤ Κ[]
 ΕΣΠΑΣΙΑΝΟΥ
Rev.: Head of Titus, laureate, r.; inscription: ΤΦΛΑΥΙΟ[]ΝΕΟΥΙΕΡΟΣ; in
 field, Β; behind the bust, a star
RPC II, p. 277, no. 1942, pl. 86:1942/15; McAlee 2007, p. 164, no. 330
16. *Æ*; 28 mm; 15.65 gr.; axis 12; mint of Antioch; date: 69/70 CE (Fig. 8:C16)
Obv.: Head of Vespasian, laureate, r.; inscription: [] ΟΥΕΣΠΑΣΙΑΝΟΣ
 ΚΑΙCΑΡ CEBACTOC
Rev.: Eagle to front, head l. on club; on l., palm branch; inscription: ΕΤΟΥΣ
 ΝΕΟΥ ΙΕΡΟΥ Β
RPC II, p. 279, no. 1954, pl. 87:1954; McAlee 2007, p. 166, no. 345
17. *Æ*; 27 mm; 13.74 gr.; axis 6; mint of Antioch; date: 109/10 CE (Fig. 8:C17)
Obv.: Head of Trajan, r., laureate, supported by eagle standing r.; below
 neck, club; inscription: ΑΥΤΟΚΡ ΚΑΙC ΝΕΡ ΤΡΑΙΑΝΟΣ CEB
 ΓΕΡΜ ΔΑΚ
Rev.: Head of Herakles, r.; inscription: ΔΗΜΑΡΧ ΕΞ ΥΠΙΑΤ Ε; in field,
 graffito(?)
Wruck 1931, pp. 194–195, no. 156; McAlee 2007, p. 202, no. 459
18. *Æ*; 28 mm; 13.84 gr.; axis 7; mint of Antioch; hammered edges; date: 112/13
 CE (Fig. 8:C18)
Obv.: Head of Trajan, r., laureate, supported by eagle standing r.; below
 neck, club; inscription: ΑΥΤΟ[ΚΡ ΚΑΙC] ΝΕΡ ΤΡΑΙΑΝΟΣ CEB
 ΓΕΡΜ ΔΑΚ
Rev.: Tyche of Antioch, veiled and turreted, seated r. on rock, holding two
 ears of corn and poppy-head in r.; her r. foot on upper part of river-god
 Orontes swimming r.; inscription: [ΔΗΜΑΡΧ] ΕΞ ΙΖΥΠΙΑΤς
Wruck 1931, pp. 194–195, no. 166; McAlee 2007, p. 204, no. 472
19. *Æ*; 23 mm; 14.04 gr.; axis 12; date: 105/06 CE (Fig. 8:C19)
Obv.: Bust of Trajan r., laureate, undraped; in front, inscription:
 [CEBACTOC]

Rev.: City goddess, standing l. on prow, with standard and aphlaston; on l., inscription and altar; on r., dove standing l.; inscription: ACK[ΑΛΩ]; in field, date: ΘC (209)

A year earlier than the specimens presented in: *BMC Palestine*, p. 123, nos. 136–139

20. Æ; 25 mm; 12.70 gr.; axis 12; date: 106/07 CE (Fig. 8:C20)
 Obv.: Bust of Trajan r., laureate, undraped; in front, inscription: [CEBACTOC]
 Rev. City goddess, standing l. on prow, with standard and aphlaston; on l., inscription and altar; on r., dove standing l.; inscription: [A]CK[ΑΛΩ]; in field, date: IC (210)
BMC Palestine, p. 123, nos. 136–139
21. Æ; 21 mm; 11.49 gr.; axis 12; date: 116/17 CE (Fig. 8:C21)
 Obv.: Bust of Hadrian r., laureate, undraped; in front, inscription: [C]EB[ACTOC]
 Rev.: City goddess, standing l. on prow, with standard and aphlaston; on l., inscription and altar; on r., dove standing l.; inscription: [A]CKΑΛΩ; in field, date: KC (220)
 Obv. same as *BMC Palestine*, pp. 127–128, nos. 169–180; rev. same as *BMC Palestine*, p. 125, no. 157
22. Æ; 23 mm; 10.60 gr.; axis 12; date: 119/20 CE (Fig. 8:C22)
 Obv.: Bust of Hadrian r., laureate, undraped; in front, inscription: [CEBACTOC]
 Rev.: City goddess, standing l. on prow, with standard and aphlaston; on l., inscription and altar; on r., dove standing l.; inscription: ACKA[ΛΩ]; in field, date: ΓKC (223)
BMC Palestine, p. 127, no. 175
23. Ἀ; 19 mm; 3.24 gr.; axis 12; date: 133/34 CE (Fig. 8:C23)
 Obv.: Three-letter inscription in wreath: שמע
 Rev.: Flagon with handle; on r., willow branch; inscription: שב לחר ישארל
 Mildenberg 1984, p. 188, no. 34
24. Ἀ; 18 mm; 2.89 gr.; axis 12; date: 135 CE (Fig. 8:C24; Fig. 9:C24r)
 Obv.: Five-letter inscription in wreath: שמ/ענו; in upper right, five letters from the original Roman coin: MOPRIN
 Rev.: Two trumpets; between trumpets small pellet; inscription: לחרות י[רש]לם; in upper left, three letters (PMP) from the original Roman coin and remains of bust of Trajan(?)
 Mildenberg 1984, p. 238, no. 131

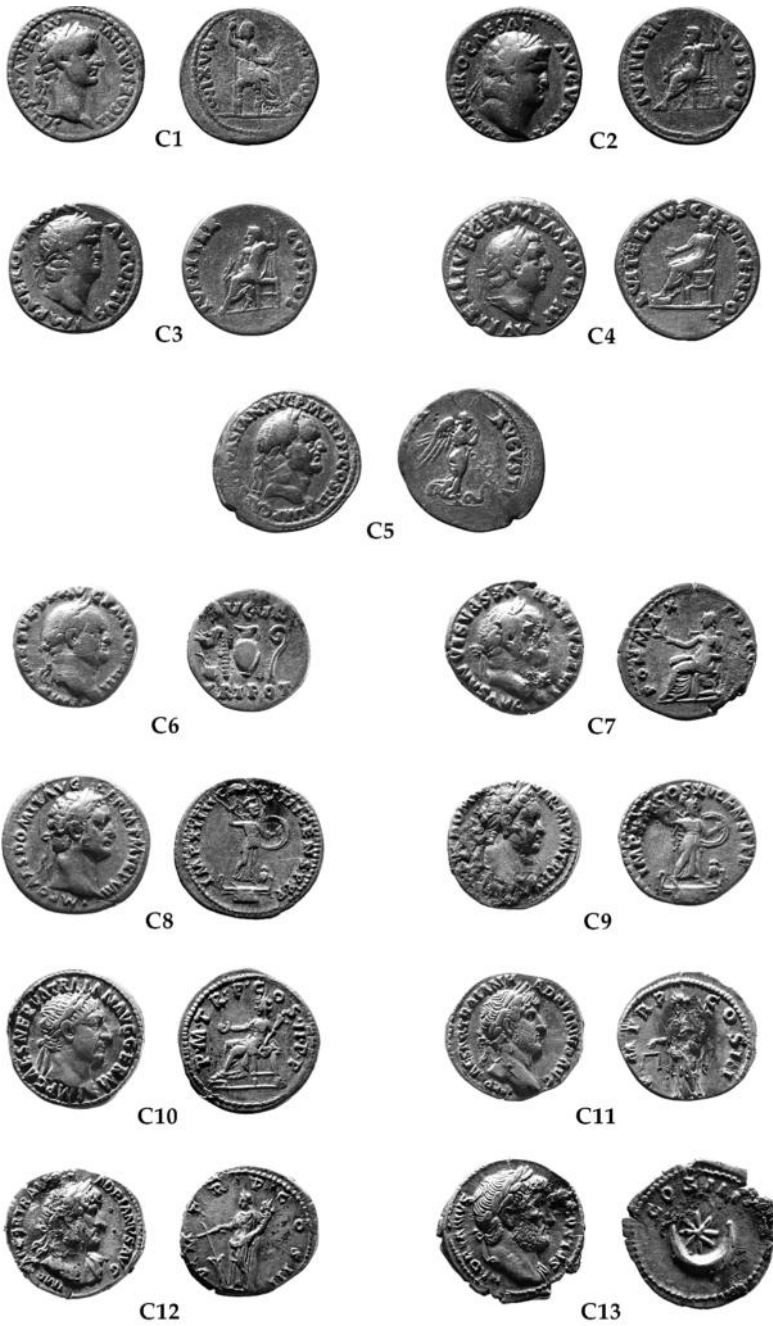


Fig. 7. Hoard C



Fig. 8. Hoard C (cont.)

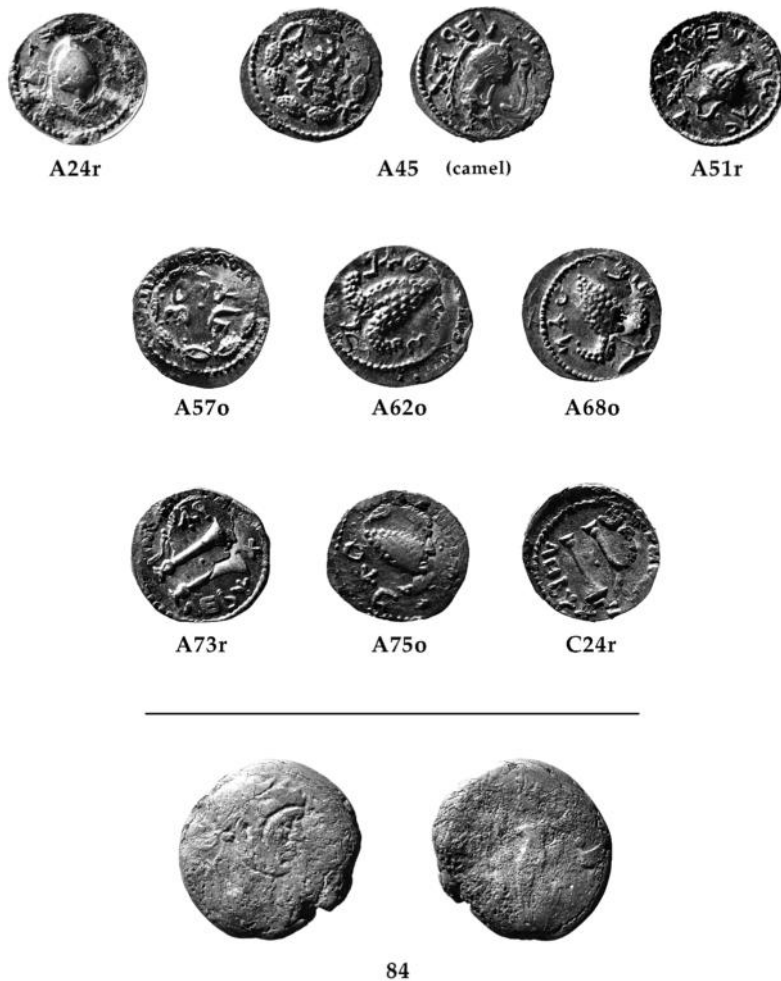


Fig. 9. Denarii showing traces of former Roman coins.
No. 84 — City coin of Ascalon

CATALOGUE REFERENCES

- BMC Galatia = W. Wroth: *Catalogue of the Greek Coins of Galatia, Cappadocia and Syria*, London, 1899.
- BMC Palestine = G. F. Hill: *Catalogue of the Greek Coins of Palestine (Galilee, Samaria and Judaea)*, London, 1914.
- BMCRE I = H. Mattingly: *Coins of the Roman Empire in the British Museum, vol. 1: Augustus to Vitellius*, London, 1923.
- BMCRE II = H. Mattingly: *Coins of the Roman Empire in the British Museum, vol. 2: Vespasian to Domitian*, London, 1930.
- BMCRE III = H. Mattingly: *Coins of the Roman Empire in the British Museum, vol. 3: Nerva to Hadrian*, London, 1936.
- Deutsch 2009 = R. Deutsch: *The Coinage of the Jewish War against the Romans (66–73 CE)*, Ph.D. dissertation, Tel Aviv University, Tel Aviv, 2009 (Hebrew).
- Kaufman 2000–02 = J. C. Kaufman: Additions to the Corpus of Leo Mildenberg's Coinage of the Bar Kokhba War, *INJ* 14 (2000–02), pp. 129–152.
- Kaufman 2007–08 = J. C. Kaufman: Additions to the Corpus of Leo Mildenberg's Coinage of the Bar Kokhba War, *INJ* 16 (2007–08), pp. 136–139.
- McAlee 2007 = R. McAlee: *The Coins of Roman Antioch*, Lancaster, 2007.
- Metcalf 1975 = W. E. Metcalf: The Tell Kallak Hoard and Trajan's Arabian Mint, *American Numismatic Society Museum Notes* 20 (1975), pp. 39–108.
- Mildenberg 1984 = L. Mildenberg: *The Coinage of the Bar Kokhba War*, Aarau, Frankfurt, and Salzburg, 1984.
- Patrich 1994 = J. Patrich: The Golden Vine, the Sanctuary Portal and its Depiction on the Bar-Kokhba Coins, *Jewish Art* 19/20 (1994), pp. 56–61.
- RPC I = A. Burnett, M. Amandry, and P. P. Ripollès: *Roman Provincial Coinage*, vol. 1, London and Paris, 1992.
- RPC II = A. Burnett, M. Amandry, and P. P. Ripollès: *Roman Provincial Coinage*, vol. 2, London and Paris, 1999.
- SNG = Y. Meshorer: *Sylloge Nummorum Graecorum: The Collection of the American Numismatic Society, part 6: Palestine-South Arabia*, New York, 1981.
- Sydenham 1933 = E. A. Sydenham: *The Coinage of Caesarea in Cappadocia*, London, 1933.
- TJC* = Y. Meshorer: *A Treasury of Jewish Coins*, New York and Jerusalem, 2001.
- Walker 1977 = D. R. Walker: *The Metrology of Roman Silver Coinage*, part 2: *From Nerva to Commodus (BAR Supplementary Series, no. 22)*, Oxford, 1977.
- Wruck 1931 = W. Wruck: *Die Syrische Provinzialprägung von Augustus bis Traian*, Stuttgart, 1931.