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TECHNOLOGY OF EARLY ATHENIAN BRONZE COINAGE

Essays in Honor of Margaret Thompson

OTTO MØRKHOLM AND NANCY M. WAGGONER

EDITIONS



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For Virginia Funn last
Best greetings!

A CHRONOLOGY OF EARLY ATHENIAN BRONZE COINAGE, CA. 350-250 B.C.

JOHN H. KROLL

(PLATES 16-17)

The fourth- and early third-century B.C. bronze coins of Athens have received very little serious attention, no doubt because they are among the least glamorous strikings in the Athenian corpus. The datings of Svoronos and J. P. Shear¹ are for the most part arbitrary and unreliable; and a thorough, empirically-based revision has long been needed, particularly by archaeologists who excavate in Athens and unearth these coins by the dozens. One of my projects as Agora Excavation numismatist in the early 1970s was to develop such a revision as far as the limited and at times disappointingly inexact evidence allowed. The results are presented here in gratitude to Margaret Thompson, to whose generosity and inspired teaching I owe my very involvement with Greek numismatics.

During her early years at the Agora, Margaret Thompson published a preliminary account of what is still the single most important find for the analysis of this coinage, a hoard of 104 coins from the bottom of a tile-lined shaft in the southwest corner of the excavations.² The hoard, which has been assigned the Agora deposit no. A 18:8, is catalogued at the end of this article, is partially illustrated in PLATE 17, and is summarized in Table 1, along with a synopsis of the coins recovered from two Ptolemaic forts in Attica, one on the Koroni promontory in eastern Attica, the other

¹ J. N. Svoronos, *Les monnaies d'Athènes* (Munich, 1923-26), republished as *Corpus of the Ancient Coins of Athens* (Chicago, 1975), pls. 22, 24 (hereafter cited as Sv.). J. P. Shear, "Analytical Table of Coins," *Hesperia* 5 (1936), pp. 123-24.

² M. Thompson, "Coins for the Eleusinia," *Hesperia* 11 (1942), pp. 223-24, n. 32. On the deposit (IGCH 157), see also J. H. Kroll, "Numismatic Appendix" to V. R. Grace, "Revisions in Early Hellenistic Chronology," *AthMitt* 89 (1974), pp. 202-3. Four lead tokens from the deposit are listed in M. Lang and M. Crosby, *The Athenian Agora 10: Weights, Measures, and Tokens* (Princeton, 1964), p. 136; with J. H. Kroll, "Some Athenian Armor Tokens," *Hesperia* 46 (1977), pp. 141-46, pl. 40. The latest pottery and lamps above the coins in the shaft belong roughly to the middle of the third century.

A 18:8 = III = Tile Shaft, House A,
Room III
According to Deposit Lists (L.T.), it contained
coins, lead tokens, and a small white slip cup.
No SAW. No other pottery. App. 1/2 v. shallow.

within the Athenian suburb of Helioupolis on the western slope of Hymettus.³ At both forts, an impressive number of coins of Ptolemy I and II were found. Those of the second Ptolemy run down to his 20th or 21st regnal year (266/265 or 265/264) and attest that the forts were built and occupied by Egyptian forces for the defense of Athens during the Chremonidean War (268/267–263/262). As shown in Table 1, in every case where coins in the Agora A 18:8 hoard have counterparts in the Koroni-Helioupolis material, the wear in both groups is identical or nearly identical. The Agora hoard then is seen to be a deposit from about the time of the Chremonidean War or a little later. It provides a virtually complete run of Athenian bronze coinage from the late fourth down to the middle of the third century. The sequential arrangement of Athenian Varieties D through J in Table 1 and PLATES 16 and 17 is based primarily on descending degree of wear of the specimens in the A 18:8 deposit.

For the earlier varieties in the sequence, we turn first to the two Dipylon "purses" tabulated in Table 1. Each consists of a small group of coins that were found corroded together near the bottom of a well in the courtyard of the Dipylon Gate in the Kerameikos.⁴ Although both were excavated from the same half meter of fill, Purse A should be earlier than Purse B. Together they clarify and confirm the arrangement of Varieties C, D, and E and evidence two synchronisms between the Athens and the Eleusis series: the contemporaneity of Athens Variety C with Eleusis Variety M and of Athens Variety E with the beginning of Eleusis Variety N, which,

³ E. Vanderpool, J. R. McCredie, and A. Steinberg, "Koroni: A Ptolemaic Camp on the East Coast of Attica," *Hesperia* 31 (1962), pp. 26–61 (hereafter cited as "Koroni"), especially p. 57, n. 16 and pls. 16–17 for the coins. Additional coins from the Koroni site published by E. Varoucha-Christodoulou, *Συμβολή εἰς Χρῆμωνίδειον Πόλεμον*, 266/5–263/2 π.Χ., *ArchEphemeris* 26, pls 1–2. On both forts, their coins, and historical implications, J. R. McCredie, *Fortified Military Camps in Attica*, *Hesperia Supplement* 9 (Princeton, 1966), pp. 1–16, 46–50 and H. Heinen, *Untersuchungen zur Hellenistischen Geschichte des 3. Jahrhunderts v. Chr.*, *Historia Einzelschriften* 20 (Wiesbaden, 1972), pp. 97–203 whose dating of the Chremonidean War to 268/267–263/262 is adopted here. The coins listed in the Koroni-Helioupolis column of Table 1 are as follows. Variety A: Varoucha (Helioupolis), pl. 2.37; Variety C: Varoucha (Helioupolis), pl. 2.38; Variety E: Varoucha (Koroni), p. 327, no. 2 (no. ill.); Variety F: "Koroni," no. 86, and Varoucha (Helioupolis), pl. 2.39; Variety G: Varoucha (Koroni), p. 327, no. 20, and (Helioupolis), pl. 2.41; Variety I: "Koroni," no. 56; Variety J: "Koroni," no. 93, and Varoucha (Helioupolis), pl. 2.42; Variety P: (E. T. Newell, *The Coinages of Demetrius Poliorcetes* [London, 1927], p. 25, no. 20), Varoucha (Koroni), p. 327, no. 17 (no. ill.); Variety V (Chalcis): Varoucha (Koroni), p. 327, nos. 18–19, and (Helioupolis), pl. 2.36; Variety W (Megara): "Koroni," nos. 73 and 128; Variety Y (Aegina): "Koroni," no. 102. The 34 Ptolemaic coins from Koroni and the 52 from Helioupolis are conveniently analyzed in McCredie, pp. 9–10, 47; with Kroll-Grace (above, n. 2), p. 201. Not listed in Table 1 are a gold stater of Alexander the Great and an intrusive second-century B.C. bronze of Athens, both from Helioupolis (Varoucha, pls. 1.1, 2.43).

⁴ K. Braun, "Der Dipylon-Brunnen B₁: Die Funde," *AthMitt* 85 (1970), pp. 138–39, 192, pl. 78 (photos under actual size), nos. 37–54 (Purse B) and 55–70 (Purse A). Purse B also contains a worn Athenian silver triobol (no. 52) not listed in Table 1.

to judge from its frequency and relative wear in the A 18:8 deposit, continued to be struck at least as late as the Athenian Variety G.⁵ The remaining Athens and Eleusis varieties A-B and K-L are securely fixed at the beginning of their respective series by the combined evidence of typology and the occurrence of excavation specimens in contexts of the last half of the fourth century.

TABLE 1

Summary of Varieties and Finds

	Dipylon Purse A	Dipylon Purse B	Koroni & Helioupolis	Agora A 18:8 Hoard
ATHENS				
<i>Attic helmet obverse</i>				
A. Double-bodied owl, Θ^A_E				
a. no symbol (Sv. 22.45–46)			1 w5 ^a	1 w6
b. bakchos below (Sv. 22.43–44)				
c. bakchos ring below (Sv. 22.35–40)				
B. 2 owls over bakchos ring, $A\Theta E$, in wreath (Sv. 24.43–50)				
C. 2 owls, $A\Theta$, over kernos, in wreath (Sv. 24.34–39)	12 w2	1 w3	1 w4	
D. 2 owls, $A\Theta$, no symbol, in wreath (Sv. 24.51–56)		5 w3–4		8 w5–6
<i>Corinthian helmet obverse</i>				
E. Owl l., $H\Theta/A$, in wreath (Sv. 22.85–88)		8 w2–3	1 w?	3 w6
F. Owl r., $A/\Theta H$, in wreath (Sv. 22.64–70)			2 w5–6	3 w5–6
G. Owl r., A/Θ , in wheat wreath (Sv. 22.64–70)			2 w4	15 w3–5
H. Owl r., A/Θ , in olive wreath (Sv. 22.71–72)				6 w3–4
I. 2 owls, Θ^A , in wreath (Sv. 24.58–59)			1 w2	1 w3
J. Owl r., Θ^A_E , unwreathed				
a. wreath symbol (Sv. 22.76–77)				3 w2–3
b. cornucopiae symbol (Sv. 22.73–74)				
c. bakchos ring symbol (Sv. 22.75)				
d. wheat-ear symbol (Sv. 22.78–79)				
Owl r., uncertain variety		5		5

^a The degree of wear is indicated on a scaleline w1 to w6 (extremely worn).

⁵ The general synchronism between Variety C and one of the two Eleusis wreathed pig Varieties N or M is documented by the hybrid coin, Sv. 103.40, with an Eleusis obverse of Triptolemus mounting and an Athens Variety C reverse of two owls over kernos, in wreath. Discussed by M. Thompson (above, n. 2), p. 214.

ELEUSIS

Obverse: Triptolemus seated in chariot

K. Pig on bakchos, symbol, EΛEYΣI above
(Sv. 103.1-6)

L. Similar but kernos symbol and AΘE above
(Sv. 103.33-39)

Obverse: Triptolemus seated or mounting chariot

M. Pig, EΛEYΣI above, in wheat wreath
(Sv. 103.22, 25)

N. Similar but EΛEYΣI below
(Sv. 103.17-21, 23, 26-28)

Uncertain variety: K, L, M or N

DEMETRIUS POLIORCETES, 306-283 B.C.

O. Head in Corinthian helmet/Prow (ca. 300-295 B.C.)

P. Poseidon head/Prow (after 300 B.C.)

Q. Hemidrachm: Nike on prow/Poseidon (ca. 298-295 B.C.)

LYSIMACHUS, 306-281 B.C.

R. Drachm: Alexander head/Athena (ca. 298-287 B.C.)

LARISSA

S. Nymph head/Horse l. (BMCThessaly 92-93)

LOCRIS

T. Athena head/Grapes (BMCCentral Greece 57 ff.)

PHOCIS

U. Facing head/ΦΩ in wreath (BMCCentral Greece 76)

CHALCIS

V. Facing head/Eagle r. (BMCCentral Greece 70-78)

MEGARA

W. Prow/2 dolphins in circle (BMCAttica 21-29)

X. Prow/Tripod between 2 dolphins (BMCAttica 30-34)

AEGINA

Y. 2 dolphins/Incuse square (BMCAttica 205-22)

PTOLEMY I AND II (down to 245/234 B.C.)

WORN OR CORRODED ILLEGIBLE

4 w2-3

2 w2-3

2 w6

1 "very worn"

19 w3-6

2 w6

1 w3

1 w3

1 w1

1 w2

1 w5

4 w4

3 w4

1 w3

2 w3

8 w3-5

8 w1-3

1 w3

1 w2

86 w1-6

9

The earliest Athenian variety, the double-bodied/Variety A, is the only variety in the sequence that employs the style and a reverse type of the contemporary Athenian silver coinage.⁶ Once this variety was discontinued, the bronze coinage and the conservatively unchanging silver went their separate ways. The remaining bronze varieties passed through two iconographical stages: the first (Varieties B-D) with the obverse Athena head in an Attic helmet and the reverse type of two facing owls, the second with the obverse head in a Corinthian helmet and (except in Variety I) the reverse type of a single owl. The distinction between the double and single owl reverses is thus purely chronological and has no denominational significance. All of our Athenian (and Eleusinian) coins have roughly the same diameter (13-15 mm.) and clearly represent a single denomination, almost certainly the *chalkous* or eighth-obol, the smallest denomination recognized in the Athenian monetary system.⁷

In reviewing the evidence for establishing an absolute chronology, it is convenient to begin with the latest issues in the A 18:8 hoard and to work backwards.

VARIETIES I AND J

The unworn specimen of Variety I (Athena in Corinthian helmet/ $\frac{A}{\Theta}$, two owls in wreath) excavated from the Chremonidean War fort at Koroni (PLATE 16. I) roughly dates the variety to the 260s. The single specimen in the A 18:8 hoard, though corroded, appears to have circulated longer than the Koroni piece, thus suggesting that the hoard was closed sometime after the abandonment of the Koroni fort.

At any rate Variety J (Corinthian helmet/ $\frac{A}{\Theta}$, owl r. with symbol) seems to be the latest variety in the Agora hoard. Typologically, it stands apart from the preceding Varieties B through I in three essential respects: its reverses are unwreathed, its ethnic marks a return to the traditional three letter AΘE spelling, and the variety itself revives at Athens the practice of distinguishing individual emissions

⁶ For the obverse style, see below. The double-bodied owl reverse is borrowed from fourth century Attic diobols (Sv. 17.34-36, 21.53-62).

⁷ M. N. Tod, "Epigraphical Notes on Greek Coinage," *NC* 1945, p. 113. On Athenian gold and silver the reverse type of two facing owls was used for different denominations at different times: for silver quarter-drachms in the late fifth century (Sv. 10.31-37), for diobols or sixths of the stater of the 406 gold (Sv. 15.7-8), and for silver tetrobols in the third century (Sv. 24.18-24). Thus, except on the 406 gold, where the type was associated with a double unit, the two-owl type seems to have been chosen quite arbitrarily for its attractive design, as I assume it was also in connection with our bronze Varieties B-D. That this type and the double-bodied owl type of Variety A cannot be indicative of a double-*chalkous* denomination is clear from late fourth century Attic inscriptions (e.g., *IG* II/III, pt. 2, 1672, 2777) that record fractions of an obol by half-obol (with the symbol C), quarter-obol or *tetartemorion* (symbol T) and *chalkous* (symbol X). The last occurs only in the singular and so requires a one-*chalkous* unit. A hypothetical *dichalkon* would have been expressed as a quarter-obol or T.

by an identifying symbol on the reverse.⁸ Four such emissions are known (wreath symbol, wheat-ear symbol, cornucopiae symbol, and bakchos-ring symbol), and since only the first of these definitely occurs in the A 18:8 hoard, it follows that the hoard was probably closed before the others were struck.

These owl-with-symbol issues could date from the 260s, in which case they would have begun very soon after the two-owl Variety I and would have been terminated by the outcome of the Chremonidean War in 263/262. Or they could have been struck shortly after the war. Because they break with three well-established features of the earlier bronze coinage, the later dating is the more attractive. There is some evidence that in 263/262 the victorious Antigonos Gonatas shut down the Athens mint and began to circulate his own silver and (large module) bronze in the city.⁹ But in 256/255 he is known to have granted Athens a nominal autonomy,¹⁰ which might well have occasioned the resumption of a bronze coinage. If the wreath-symbol issue, the first and largest of the Variety J emissions, does in fact date to 256/255, the A 18:8 hoard itself would have been closed in about the year 250.

VARIETIES G AND H

With the two-owl Variety I fixed in the 260s, the two preceding varieties may be distributed over the two preceding decades, Variety H (Corinthian helmet/AΘ, owl r. in olive wreath) going to the 270s and the relatively prolific Variety G (Corinthian helmet/AΘ, owl r. in wheat wreath) to the 280s. Two independent considerations suggest the 280s as the correct time for the appearance of the owl-in-wheat wreath bronze. The first of these is the existence of a gap in the minting of Athens's

⁸ The identification of issues by changing symbols is characteristic of the earliest Eleusinian bronze (Variety K). See M. Thompson (above, n. 2), pp. 218–20, nn. 18, 24. My absolute dating of this and the other Eleusis varieties (Table 2 below) differs significantly from that proposed by Thompson, whose Eleusis chronology is largely tied to J. P. Shear's now obsolete chronology for the regular Athenian owl bronze (above, n. 1).

⁹ On the striking and circulation of Antigonos's silver in Athens, J. P. Six, "Tetrachma Antigoneia," *Annuaire de la Société de Numismatique et d'Archéologie* 6 (Paris, 1882), pp. 29–30; I. L. Merker, "Antigonos Gonatas and Antigonos Doson," *ANSMN* 9 (1960), pp. 47–48, 51–52. The circulation of his bronze coins at Athens is evidenced by the respectable number that have turned up in the Agora excavations (M. Thompson [above, n. 2], p. 225, n. 34) and the circumstance that the numerous Athenian bronze coins of the type Sv. 21.10–14 were overstruck on coins of Antigonos (Shear [above, n. 1], p. 124), presumably after Antigonos's death in 240. That Athens's "Old Style" tetradrachm coinage was brought to an end in 263/262 has long been assumed (for example, by W. S. Ferguson, *Hellenistic Athens* [London, 1911], p. 184) and is confirmed by the wear of the latest Athenian tetradrachms in hoards of the second half of the third century. There is a partial review of this material by O. H. Dodson and W. P. Wallace, "The Kozani Hoard of 1955," *ANSMN* 11 (1964), pp. 27–28.

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early third century tetradrachms, dating very probably to Demetrius Poliorcetes's military occupation of the city between 294 and 286. Sometime after the expulsion of Demetrius's garrison the silver coinage was resumed but with certain minor stylistic modifications.¹¹ If Athens was forbidden to strike a bronze coinage, as well, during Demetrius's occupation, one would expect a redesigned bronze variety to appear under the newly independent democracy of 286; the owl-in-wheat wreath bronze is in this respect an ideal candidate. Secondly, the most distinctive feature of this bronze, the encircling reverse wheat wreath can plausibly be connected with Athens's well-documented and apparently exceptional preoccupation in maintaining her grain supply for a number of years after the 286 revolt.¹²

VARIETIES E AND F

If Athens struck neither silver nor bronze between 294 and 288, the next earliest phase of the bronze coinage, Varieties E (Corinthian helmet/Owl l. with the retrograde legend $\text{H}\Theta^{\text{A}}$) and F (Corinthian helmet/Owl r. with legend $\text{A}\Theta\text{H}$), naturally belong before 294. The earlier of these two AΘH varieties is iconographically the most remarkable in the entire sequence. Not only are its obverses the first at Athens to depict Athena in a Corinthian helmet, but the three-crested helmet with snake ornament and the proportions and elegant style of the head generally give every appearance of having been copied from the Athena heads on the gold staters of Alexander the Great.¹³ Such copying at Athens may be confidently regarded as an expression of pro-Macedonian sentiment and implies that the owl l. coinage was struck either by the oligarchies that, with Macedonian support, controlled Athens from 322 to 307 or by the ardently pro-Macedonian democracy of 307–300 established under the patronage of Demetrius Poliorcetes.

The coins' reverses can help in deciding between these two governments. Their abnormally reversed owls and retrograde inscriptions seem not to have been the

¹¹ The break in minting is implied by an abrupt change from the "pi" form of the helmet ornament on the tetradrachm obverses to the "quadridigitée" form, see J. Bingen, "Le trésor monétaire Thorikos 1968," *Thorikos: Rapport préliminaire sur la sixième campagne de fouilles* [1969] (Brussels, 1973) pp. 14–15. As Bingen notes (p. 18), the "pi" style tetradrachms come down to 294 (see also, M. Thompson, "A Hoard of Athenian Fractions," *ANSMN* 7 [1957], p. 6). Yet the later "quadridigitée" tetradrachms show up in hoards of the first quarter of the third century: Lamia, *IGCH* 93 (Sv. 27.1–34); Aegina, *ICGH* 143 (Sv. 32.8–14); Kiouleler, *IGCH* 144 (Sv. 31.1–42). Demetrius's occupation of Athens in 294–286 thus becomes the logical occasion for the temporary interruption of the tetradrachms. Incidentally, if this reasoning is sound, the three above-mentioned hoards are all of course to be dated after 286.

¹² B. D. Meritt, "Greek Inscriptions," *Hesperia* 7 (1938), p. 106, citing seven Athenian inscriptions within a decade of the revolt that refer to the grain supply. These are now exhaustively discussed by T. L. Shear, Jr., *Kallias of Sphettos and the Revolt of Athens in 286 B.C.*, *Hesperia Supplement* 17 (Princeton, 1978), pp. 25–27, 31–32, 79–82. On the date of the revolt see Shear, pp. 63–73, 99.

¹³ As noted by Shear (above, n. 1), p. 123.

result of inept die-cutting, for the coins are otherwise excellently manufactured. Their obverse Athena heads regularly face in the right direction; and the quality of the die-engraving, preparation of flans, and striking is much the best of all the varieties in our series. Moreover, there is a certain stylistic variation within the owl I. coinage itself,¹⁴ a fact that suggests that its dies were produced by more than one engraver, probably working over a moderately protracted period. Unless we are willing to believe that the mint would have accepted dies that were cut backwards by mistake, put them into production, and then allowed them to be copied without correction, I think we are obliged to conclude that the direction of the owl and legend was reversed on purpose, presumably, like the "Macedonian" Athena heads on the coins' obverses, as a political statement by the issuing party in power.¹⁵ The reversed owl and ethnic implies a reversed Athens, a traditionally democratic Athens that had been literally "turned around." If this is the correct interpretation, the message is revisionist and antidemocratic and therefore attributable to the oligarchy installed by Antipater in 322.¹⁶

On a less speculative note, this dating also has some good archaeological support. Of the three coins that were excavated from uncontaminated construction filling of the Square Peristyle in the northwest corner of the Agora, the latest was an example of the owl I. variety.¹⁷ According to H. A. Thompson's analysis, this structure, a

¹⁴ Compare the two examples of Variety E in PLATE 16. The superb style of the first and the three illustrated in Sv. 22.85-88 contrast strikingly with the pedestrian quality of the second, the pl. 73, 48, 49, and the eight from the Dipylon well, Purse B, Braun (above, n. 4), pl. 78. The variation is most apparent in the obverse dies, but the differences in the style of the reverses, while more subtle, are sufficient also to imply the work of more than one die cutter.

¹⁵ The one other instance of a reversed Athenian coin type was also intentional. On Sv. 22.93-98, the obverse Athena heads regularly face to the left. But these coins have been attributed to an irregular military issue struck by an Athenian expeditionary force at Olynthus in the 360s (E. S. G. Robinson and M. J. Price, "An Emergency Coinage of Timotheos," NC 1967, pp. 1-6; see below, n. 19). And, as Robinson and Price observe, the reversed Athena heads are doubtless intended to distinguish these token coins from regular Athenian issues.

¹⁶ For two parallel instances of a politically-motivated modification of a numismatic design, compare the change in type from a sea turtle to a land tortoise on Aeginetan coins after Athens attacked Aegina and reduced its maritime power in 457 (C. M. Kraay and M. Hirmer, *Greek Coins* [New York, 1966], p. 321, although some reservations about this theory have now been expressed by Kraay, *Archaic and Classical Greek Coins* [Berkeley/Los Angeles, 1976], p. 47) and Kraay's suggestion that the alternating square and round reverse dies on fifth century Samian silver was intended to identify the alternating democratic and oligarchic governments responsible for the issues (*Archaic and Classical Greek Coins*, pp. 331-34).

¹⁷ Coin inventory no. ΣΑ-375. The other two coins from the filling are ΣΑ-373, a double-bodied owl Variety A bronze and ΣΑ-374, two owls over kernos, Variety C. On the floor of the "room with the ballot box," a structure that was demolished when work on the Square Peristyle began, were found an example of Variety D (ΣΑ-215) and one of the Eleusis Variety K or L (ΣΑ-216). The former was within the tumbled mud-brick destruction debris of the room, the latter within the "ballot box" itself, for which see H. A. Thompson, "Excavations in the Athenian Agora: 1953," *Hesperia*

replacement for the old court buildings in the area, was begun in the closing years of the Lycourgan democracy, ca. 325, but remained under construction until about 315, at which time work on it was abandoned.¹⁸ This gives us then a ca. 315 *terminus ante quem* for the start of the owl I. coinage and points again to 322, the earliest year allowed by its "Macedonian" obverse, as the actual date when the coinage commenced.

As for the democracy restored by Demetrius Poliorcetes in 307, we may reasonably assign it the succeeding Variety F, which retains the three-crested Corinthian helmet on the obverse but returns the reverse owl and ΑΘΗ ethnic to their normal orientation.

VARIETIES A, B, C, AND D

Finally, the two-owl in wreath Varieties B, C and D, and the earliest Athenian bronze of all, the double-bodied owls of Variety A, are left to fall between 322 and the beginning of the bronze sequence as a whole. The beginning should not be substantially earlier than ca. 350, since no example of our Variety A (or, for that matter, of any other Athens or Eleusis variety in the sequence) was found in the excavations of Olynthus, whose ruins have yielded an astonishingly large representation of pre-348 bronze coins from all over the Greek mainland (including, from the territory of Attica, three coins of Salamis).¹⁹ Another indication of a ca. 350 or

23 (1954), pp. 58-60; H. A. Thompson and R. E. Wycherley, *The Athenian Agora*, 14: *The Agora of Athens* (Princeton, 1972), pp. 56-57.

¹⁸ H. A. Thompson, "Excavations in the Athenian Agora: 1951," *Hesperia* 21 (1952), pp. 99-100; Thompson and Wycherley (above, n. 17), pp. 60-61, especially n. 173. The evidence for the dating, which I have discussed with Prof. Thompson, is as follows. 1) Pottery and stamped amphora handles in the construction filling (B. A. Sparkes and L. Talcott, *The Athenian Agora*, 12: *Black and Plain Pottery of the 6th, 5th and 4th Centuries B.C.*, pt. 2 [Princeton, 1970], p. 396, deposit O-R 7-10: "Mostly of the third quarter of the 4th century and before but probably not sealed over until near end of the century.") 2) Style of architecture, similar to that of the choregic monuments of Lysikrates (335/334) and of Nikias (320/319). 3) A stele of 337/336 inscribed with a law against tyranny found in a late phase of the construction filling; the stele was presumably taken down during the oligarchic reaction of 322 and discarded in the filling of the building, which had been under construction for some time before. 4) Historical probability. The building, being a law court, is likely to have been undertaken by a democratic government. The circumstance that it was never finished suggests abandonment of the project under a non-democratic administration.

¹⁹ D. M. Robinson and P. A. Clement, *Excavations at Olynthus*, 9: *The Chalcidic Mint and the Excavation Coins Found in 1928-1934* (Baltimore, 1938), p. 348, no. 49b. The only Athenian bronze coins from the Olynthus excavations are the nine examples of Sv. 22.93-98 (Robinson and Clement, p. 347, no. 49a), which Robinson and Price have plausibly identified as belonging to an emergency coinage struck at Olynthus by Timotheus (above, n. 15). A. Walker has written me from Athens that five of these "Timotheus" coins have been excavated in the Agora (Inv. Θ-737, ΝΝ-1006, ΝΝ-1625, Θ-649, Υ-218), that at least one of the three specimens reported from the Pnyx is verifiable (G. R. Davidson and D. B. Thompson, *Small Objects from the Pnyx*, 1, *Hesperia Supplement* 7 [Princeton, 1943], p. 16, no. 12), and that three in old private Athenian collections had been purchased-

post-350 date for the start of the Variety A double-bodied owls is provided by the style of most of their obverse Athena heads. The style, dubbed the "bracket" or "pi" style after the shape of the floral ornament on the goddess's helmet, is known to have been characteristic of Athenian silver from ca. 340 to 294,²⁰ but may very well have evolved as early as ca. 350, when Athens' massive coining of silver tetradrachms in the fourth century seems to have gotten under way.²¹ In any event, it is clear that the minting of the double-bodied owls had begun by the third quarter of the fourth century. This is when they begin to show up in Agora contexts (with pottery similar to or just slightly later than the latest pottery at Olynthus).²² And an inscription of 329/328 (*IG* II/III², 1672), which records sums of money down through the denomination of a *chalkous*, further implies that a bronze coinage had been instituted by that date.

To judge from the very large number of extant double-bodied owl bronzes, the output of this coinage must have been profuse. There, too, is a considerable range in the style, diameters (10–15 mm.), and alloy of the coins,²³ and a division of them into three "emissions:" double-bodied owl over no symbol, over bakchos wand, and over bakchos ring. All of this indicates a fairly lengthy period of minting, let us say, of not less than about two decades. Consequently, if we allot what would seem to be a necessary minimum of about a decade for the two-owl Varieties B, C, and D —ca. 330–322—the preceding double-bodied owls (and the roughly contemporary Eleusis pig-on-bakchos Varieties K and L) ought to have been introduced very near the middle of the fourth century under the innovative financial administration of Eubulus (358–342).

in Thebes. But despite this evidence from Central Greece, I am convinced that the attribution to Timotheus is still probably correct. Note, for example, the kernel of grain under the reverse owls, which connects the coins with soldiers' "grain-money," (on which, G. T. Griffith, *The Mercenaries of the Hellenistic World* [Cambridge, 1935], pp. 264–307).

²⁰ Bingen (above, n. 11), p. 18.
²¹ A concerted effort to increase Athens's output of silver was part of the program of financial reform under Eubulus, 358–342 (C. M. Kraay, *Coins of Ancient Athens*, Minerva Numismatic Handbooks 2 [Newcastle upon Tyne, 1968], p. 8). The publication, ca. 355, of Xenophon's treatise *On Revenues*, which deals in part with the development of the silver mines, and a law passed by the Athenian *nomothetai* in 354/3 that concerns both the mines and the mint (1975 Agora inscription Inv. 7495, publication in preparation) indicate that the effort was begun in the later 350s.

²² For example, Agora deposit D 15:3, dumped filling of cistern, ca. 375–330 B.C. (Sparks and Talcott [above, n. 18], p. 387), with three double-bodied owl bronzes (F-1431a–c) and three bronze coins of Salamis (F-1432, –1441 a, b), for which, see n. 19 above. Other contexts involve individual strata in excavators' trenches, like the stratum of the mid or third quarter of the fourth century (much pottery) that yielded two double-bodied owl bronzes, BA-218 and –235.

²³ Range of style and diameters may be seen in a glance at Svoronos's illustrations, Sv. 22.35–45. Note also the Athena head—not "pi" style—of the second specimen illustrating Variety Ac in PLATE 16. Range of alloy: E. R. Caley, *The Composition of Ancient Greek Bronze Coins*, *Memoirs of the American Philosophical Society* 11 (Philadelphia, 1939), pp. 45–47. Caley (p. 47) feels that the wide metallurgical variation required more than thirty years of minting!

TABLE 2

PROPOSED CHRONOLOGY

Double-bodied owl (Variety A) with Eleusis Pig-on-bakchos (Varieties K & L)	ca. 350 to ca. 330
Two owls in wreath (Varieties B–D) with Eleusis Wreathed pig (Variety M)	ca. 330 to 332
Owl l., HΘA (Variety E) with Eleusis Wreathed pig (Variety N)	322 to possibly as late as 307
Owl r., AΘH (Variety F) with Eleusis Wreathed pig (Variety N)	307 to 300 or 294
Owl r. in wheat wreath (Variety G) with Eleusis Wreathed pig (Variety N)	286 to ca. 280 or later
Owl r. in olive wreath (Variety H) with Eleusis Wreathed pig (Variety N)?	within the 270s
Corinthian helmet/Two owls in wreath (Variety I)	between ca. 270 and 261
Owl r. with symbol (Variety J)	256/255 into the 240s

The chronology developed from the foregoing considerations is outlined in Table 2. As with most working archaeological chronologies, it is speculative and approximate in many particulars and will doubtless be refined, if not corrected, as new hoards come to light and as more abandoned sites, like Olynthus and Koroni, and datable buildings, like the Square Peristyle in the Agora, are excavated. As it stands, the chronology is anchored by four more or less dependable determinations: the start of the double-bodied owl variety near the middle of the fourth century, the start of the owl l. variety in 322, the start of the owl in wheat wreath variety in 286, and the date of the Corinthian helmet/two-owl variety in the 260s. These determinations, admittedly, do not make for a particularly even distribution of the varieties over the century spanned by the sequence. Because of the early dating of the crucial owl l. variety to 322, the three Attic helmet/two-owl Varieties B, C, and D are crowded into a space of not more than a decade, while only two varieties, the AΘH Varieties E and F, fall within the long period from 322 to 286. But such unevenness is of itself not an overriding objection. In his recent study of Athenian bronze of the second century B.C., F. S. Kleiner has emphasized that an erratic pattern of emission is often characteristic of local bronze coinages, which were minted as they were needed²⁴ (and, I am tempted to add, as a new government might wish to advertise its program through an altered symbolism of the coin types). The minting pattern must be determined by the fixed points in the chronology. And if our points could use the support of firmer and more abundant evidence, it should be only a matter of time until additional evidence becomes available.

²⁴ Kleiner (above, n. 14), p. 330.

AGORA DEPOSIT A 18:8 (IGCH 157)

CATALOGUE OF COINS

Diameter is in millimeters; die axis is given when known. Specimens illustrated in PLATE 17 denoted by asterisk.

Attica, Athens

- Aa. *Obv.*: Head of Athena r., wearing Attic helmet (style of fourth-century silver).
Rev.: Double-bodied owl; above on each side, olive spray; $\Theta^A E$.
Sv. 22.43-46
 1. $\Xi \Xi$ -40a, 13 (w6)
- D. *Obv.*: Head of Athena r., wearing Attic helmet ornamented with scrolls.
Rev.: Two owls facing; $A \Theta$ between them; all in olive wreath.
Sv. 24.51-56
 * 2. $\Xi \Xi$ -42, 14 \downarrow (w5)
 3. $\Xi \Xi$ -60, 13 \downarrow (w5)
 4. $\Xi \Xi$ -36, 14 (w6)
 5. $\Xi \Xi$ -51, 14 \uparrow (w6)
 * 6. $\Xi \Xi$ -68a, 13 \uparrow (w6)
 * 7. $\Xi \Xi$ -68b, 15 \uparrow (w6)
 * 8. $\Xi \Xi$ -68c, 14 \uparrow (w6)
 * 9. $\Xi \Xi$ -68d, 15 \leftarrow (w6)
- E. *Obv.*: Head of Athena r., wearing Corinthian helmet with triple crest and snake ornament.
Rev.: Owl standing l.; $H \Theta A$; all in olive wreath.
Sv. 22.85-88
 *10. $\Xi \Xi$ -38a, 15 \downarrow (w6)
 *11. $\Xi \Xi$ -38b, 15 \downarrow (w6)
 12. $\Xi \Xi$ -53, 15 (corroded)
- F. *Obv.*: Head of Athena in Corinthian helmet as preceding.
Rev.: Owl standing r.; $A \Theta H$; all in olive wreath.
Sv. 22.80-84
 *13. $\Xi \Xi$ -39a, 15 \rightarrow (w5)
 *14. $\Xi \Xi$ -39b, 15 (w5)
 *15. $\Xi \Xi$ -61a, 15 \uparrow (w6)
- G. *Obv.*: Head of Athena r., wearing Corinthian helmet with one crest.
Rev.: Owl standing r.; $A \Theta$; all in wheat wreath.
Sv. 22.64-70
 *16. $\Xi \Xi$ -70a, 12 \uparrow (w3)
 17. $\Xi \Xi$ -80, 15 \downarrow (w3)
 18. $\Xi \Xi$ -70b, 14 \uparrow (w4)
 19. $\Xi \Xi$ -62a, 12 \uparrow (w4)
 20. $\Xi \Xi$ -54, 14 \uparrow (w4)
 *21. $\Xi \Xi$ -76a, 13 \uparrow (w4)
 *22. $\Xi \Xi$ -76b, 12 \uparrow (w4)
 23. $\Xi \Xi$ -76c, 13 \uparrow (w4)

24. $\Xi \Xi$ -44a, 13 \downarrow (w4)
 *25. $\Xi \Xi$ -44b, 13 \leftarrow (w4)
 26. $\Xi \Xi$ -44c, 13 \uparrow (w4)
 *27. $\Xi \Xi$ -61b, 14 \uparrow (w4)
 28. $\Xi \Xi$ -71a, 14 \downarrow (w5)
 29. $\Xi \Xi$ -62b, 13 \uparrow (w5)
 *30. $\Xi \Xi$ -76d, 15 \downarrow (w5)

- H. *Obv.*: Head of Athena in Corinthian helmet as preceding.
Rev.: Owl standing r.; $A \Theta$; all in olive wreath.
Sv. 22.71-72
 *31. $\Xi \Xi$ -57, 12 \uparrow (w3)
 *32. $\Xi \Xi$ -62c, 14 \uparrow (w3)
 *33. $\Xi \Xi$ -44d, 14 \uparrow (w3)
 34. $\Xi \Xi$ -70c, 12 \uparrow (w4)
 35. $\Xi \Xi$ -76e, 14 (w4)
 36. $\Xi \Xi$ -44e, 14 \downarrow (w4)
- I. *Obv.*: Head of Athena in Corinthian helmet as preceding.
Rev.: Two owls standing, facing; $A \Theta$ between them; all in olive wreath.
Sv. 24.58-59
 *37. $\Xi \Xi$ -26, 14 \uparrow (w3, corroded)
- J. *Obv.*: Head of Athena in Corinthian helmet as preceding.
Rev.: Owl standing r.; $\Theta^A E$; at lower r., symbol.
Sv. 22.73-79 (22.76-77 for wreath symbol)
 *38. $\Xi \Xi$ -27, wreath, 14 \uparrow (w2)
 *39. $\Xi \Xi$ -28a, wreath, 14 \uparrow (w3)
 *40. $\Xi \Xi$ -28b, symbol?, 14 \uparrow (w3)
- Obv.*: Head of Athena in Corinthian helmet as preceding.
Rev.: Owl standing r.; details obscure.
 All from Varieties F, G, or H.
 41. $\Xi \Xi$ -40b, 14 \uparrow (w4)
 42. $\Xi \Xi$ -37, 14 \uparrow (w4)
 43. $\Xi \Xi$ -29, 15 \uparrow (w5)
 44. $\Xi \Xi$ -71b, 16 \uparrow (w5)
 45. $\Xi \Xi$ -70f, 12 \uparrow (w5)

Attica, Eleusis

- N. *Obv.*: Triptolemus seated in or mounting winged chariot l.
Rev.: Pig standing r. on bakchos; $E \Lambda E Y \Sigma$ or $E \Lambda E Y \Sigma$ below; all in wheat wreath.
Sv. 103.17-21, 23, 26-28
 Triptolemus seated l.
 *46. $\Xi \Xi$ -45a, 13 \uparrow (w3)
 *47. $\Xi \Xi$ -45b, 13 \uparrow (w3)
 *48. $\Xi \Xi$ -75a, 13 \uparrow (w3)
 49. $\Xi \Xi$ -45c, 13 \uparrow (w4)
 50. $\Xi \Xi$ -45e, 13 (w4)
 *51. $\Xi \Xi$ -75b, 13 \uparrow (w4)
 52. $\Xi \Xi$ -75c, 15 \uparrow (w5)
 Triptolemus mounting l.
 53. $\Xi \Xi$ -75d, 14 \uparrow (w5)
 54. $\Xi \Xi$ -58m, 14 \downarrow (w3)
 55. $\Xi \Xi$ -45f, 13 \uparrow (w4)
 56. $\Xi \Xi$ -45f, 13 \uparrow (w4)
 57. $\Xi \Xi$ -45g, 13 \uparrow (w4)
 58. $\Xi \Xi$ -34, 16 \downarrow (w4)
 59. $\Xi \Xi$ -81a, 13 \uparrow (w4)

60. $\Xi \Xi$ -45h, 13 \uparrow (w5)
 61. $\Xi \Xi$ -81b, 15 \downarrow (w6)
 Triptolemus?
Obv.: Triptolemus seated in winged chariot l.
Rev.: Pig standing r.; details, including position of inscription, uncertain.
 Both from Varieties K, L, M or N (see Table 1)
 *65. $\Xi \Xi$ -49, 15 \uparrow (w6)
 Macedon, Demetrius Poliorcetes, 306-283 B.C.
- P. *Obv.*: Head of Poseidon r.
Rev.: Prow of ship r.; above BA; at r., double-axe; below A.
 Newell, *Demetrius Poliorcetes*,²⁵ p. 150, no. 167. Bronze half unit.
 Uncertain mint: Caria. After 300 B.C.
 *67. $\Xi \Xi$ -63, 16 \uparrow (w3)
- Q. *Obv.*: Nike on prow l.
Rev.: $\Delta \text{HMHTPIOY}$ on r., $\text{BA}\Sigma\text{I}\Lambda\text{E}\Omega\Sigma$ below; Poseidon fighting l.; at l. A at r., N in circle.
 Newell, p. 51, no. 45. Silver hemidrachm. Tarsus mint. Ca. 298-295 B.C.
 *68. $\Xi \Xi$ -78, 13 (1.58 gm.) \uparrow (w3)
 Thrace, Lysimachus, 306-281 B.C.
- R. *Obv.*: Head of Alexander r.
Rev.: $\text{BA}\Sigma\text{I}\Lambda\text{E}\Omega\Sigma$ / $\Lambda\text{Y}\Sigma\text{I}\text{M}\text{A}\text{XOY}$; Athena seated, holding Nike, l.; at l., cithara.
 Thompson, "Lysimachus," p. 177, no. 174. Silver drachm. Ephesus mint. Ca. 294-287 B.C.
 *69. $\Xi \Xi$ -79, 20 (4.26 gm.) \downarrow (w1)
- Thessaly, Larissa
 S. *Obv.*: Head of Larissa, hair rolled, r.
Rev.: $\Lambda\text{A}\Pi\text{I}\Sigma$ / $\text{A}\text{I}\Omega\text{N}$; horse feeding l.
BMCThessaly, p. 32, nos. 92-93
 *70. $\Xi \Xi$ -30, 13 \uparrow (w2)
- Ten coins of this general type were excavated at Olynthus (Robinson and Cle-
 ment (above, n. 19), p. 343), thus confirming that the variety commenced early in
 the fourth century. But to judge from the good condition of our hoard specimen,
 the minting may have continued well into the third century.

²⁵ See above, n. 3.

²⁶ M. Thompson, "The Mints of Lysimachus," *Essays in Greek Coinage Presented to Stanley Robinson*, eds. C. M. Kraay and G. K. Jenkins (London, 1968).

Locris

- T. *Obv.*: Head of Athena, wearing Corinthian helmet, r.
Rev.: Bunch of grapes (no details visible).

BMCCentral Greece, pp. 7-9, nos. 57-80

71. $\Xi \Xi$ -72, 13 \uparrow (w5)

72. $\Xi \Xi$ -77, 16 \uparrow (w5)

The absence of specimens at Olynthus and the wear of the two hoard pieces here agree with the ca. 338-300 B.C. dating proposed in *SNGCop Aetolia-Euboea*, 65-71.

Phocis

- U. *Obv.*: Facing, helmeted head of Athena.
Rev.: $\Phi\Omega$ in olive wreath.

BMCCentral Greece, p. 20, no. 76

*73. $\Xi \Xi$ -25a, 14 \uparrow (w4)

*75. $\Xi \Xi$ -43a, 12 \uparrow (w4)

74. $\Xi \Xi$ -25b, 13 \uparrow (w4)

76. $\Xi \Xi$ -43b, 13 \uparrow (w4)

Date implied by the present context: early third century B.C., in any case well after the Third Sacred War, 356-346 B.C. None from Olynthus.

Euboea, Chalcis

- V. *Obv.*: Facing head of Hera.
Rev.: XAA; eagle flying r., holding snake.

BMCCentral Greece, pp. 112-13, nos. 70-80

*77. $\Xi \Xi$ -50, 12 \leftarrow (w3)

Context and wear of this and the Koroni/Helioupolis specimens (above, Table 1 with n. 3) suggest a dating in the late fourth and early third centuries B.C. None at Olynthus.

Megaris, Megara

- W. *Obv.*: Ship's prow l., on which a tripod.
Rev.: Two dolphins swimming r. around $\text{ME}\Gamma$ or $\text{ME}\Gamma\text{A}$; border of dots.

BMCAttica, p. 120, nos. 21-25 $\text{ME}\Gamma$, 28-29 $\text{ME}\Gamma\text{A}$

Ethnic: $\text{ME}\Gamma$

Ethnic: $\text{ME}\Gamma\text{A}$

*78. $\Xi \Xi$ -56, 14 \uparrow (w3)

*82. $\Xi \Xi$ -69, 16 \uparrow (w4)

*79. $\Xi \Xi$ -46a, 14 \uparrow (w4)

83. $\Xi \Xi$ -47, 16 (w5)

80. $\Xi \Xi$ -46b, 14 (w4)

Ethnic?

*81. $\Xi \Xi$ -74, 15 \downarrow (w5)

84. $\Xi \Xi$ -48a, 16 (corroded)

85. $\Xi \Xi$ -48b, 15 (corroded)

- X. *Obv.*: Ship's prow l.; above or below, $\text{ME}\Gamma\text{A}$.
Rev.: Tripod between two dolphins upwards; border of dots.

BMCAttica, p. 120, nos. 30-34

$\text{ME}\Gamma\text{A}$ above

Ethnic?

*86. $\Xi \Xi$ -31, 14 \downarrow (w1)

87. $\Xi \Xi$ -41a, 14 \uparrow (w3)

MEΓ below

*88. $\Xi \Xi$ -24a, 13 \leftarrow (w3)*89. $\Xi \Xi$ -33, 15 \uparrow (w2)90. $\Xi \Xi$ -41b, 15 \uparrow (w3)*91. $\Xi \Xi$ -24b, 12 \downarrow (w3)92. $\Xi \Xi$ -35a, 12 \downarrow (w3)93. $\Xi \Xi$ -35b, 16 (corroded)

This abundant Megara material overturns the relative and absolute chronology proposed by Waage.²⁷ The earlier Variety W commenced during the latter part of the fourth century since a worn specimen was excavated from a post-348 house at Olynthus along with Alexander and other Macedonian regal bronze of the last quarter of the century. Robinson and Clement argue that the house was abandoned not later than 316,²⁸ but on any reckoning the find makes it probable that the Megarians adopted the prow obverse well before Demetrius Poliorcetes started to issue his silver and bronze with an obverse prow in 301 (Newell, pp. 31, 166). Condition of the A 18:8 and Koroni-Helioupolis Megara bronzes implies that Variety W continued into the first quarter of the third century and that Variety X began sometime in the second quarter.

Aegina

Y.

Obv.: Two dolphins upwards; between them, A.
Rev.: Incuse square with five compartments; in the two lower compartments, A Γ.

BMCA *Attica*, p. 143, no. 215
*94. $\Xi \Xi$ -66, 11 \uparrow (w2)

Apart from the present specimen and the one from the Koroni fort, two examples were excavated at Olynthus.²⁹ Hence the type was apparently struck from the first half of the fourth century down well into the first half of the third.
Worn or Corroded Illegible

95-103. $\Xi \Xi$ -37, -59, -73a-c, -77a-c. Nine AE 13-17 mm.

NOTES ON THE ILLUSTRATIONS

PLATE 16: Athens and Eleusis Varieties A through N. See Table 1. All are BM coins except for the specimen illustrating Variety I, which is from the Koroni excavations (above, n. 3); the photo of it is reproduced from *Hesperia* 31 (1962), pl. 17, no. 56.

PLATE 17: Agora Deposit A 18:8. See Table 1 and Deposit Catalogue. Casts from the BM were kindly provided by Martin J. Price; those from the Agora by Fred S. Kleiner and Alan Walker.

²⁷ F. O. Waage, *Greek Bronze Coins from a Well at Megara*, ANSNNM 70 (New York, 1935), pp. 10-17, Types III-IV (Variety X above) and pp. 24-29, Types VII-IX (Variety W above).
²⁸ Robinson and Clement (above, n. 19), pp. 245, 349-50, 370, pl. 32, 24.
²⁹ Robinson and Clement (above, n. 19) pp. 350-51.



EARLY ATHENIAN BRONZE COINAGE:
ATHENS AND ELEUSIS VARIETIES



EARLY ATHENIAN BRONZE COINAGE:
AGORA DEPOSIT A 18: 8

PRICE

THE NEW-STYLE COINAGE
OF ATHENS
SOME EVIDENCE FROM THE
BRONZE ISSUES

BY
M. JESSOP PRICE

REPRINTED FROM THE
"NUMISMATIC CHRONICLE"
SEVENTH SERIES, VOL. IV
1964

With many thanks
M. J. Price

[2]

date down through the 1st century B.C. perhaps into the last quarter, though also quite a lot of earlier stuff.

(To HAT) S. II. 79 - 2 -
These notes seem to have been
written before I had the publication probably
just as manuscript. See now M. J. Price, "The New-Style Coinage of
Athens, Some Evidence from the Bronze Issues," *Numismatic Chronicle* 1964, pp. 27-36.
On the dates of M. Pryce's deposits also in HSR's volume. Nothing
than 86 B.C.. The Knidian are
1 century B.C. But it is true
resembles the Antikythera
quarter; and that I do not
the SPE fragment before 86 B.C.
to have remarkably little that
give some support for associ-
-crescent device with M.VI
's suggestion.
all or nearly all of the
contemporary. I do not know
the 1st B.C. date which appears
cent (IV-V.64) correspondence
near the end of the 1st B.C.
attached.
lottery between Sulla-destruction
contemporary Thasian and Rhodian)
ly 188-167 B.C.); the upper
1st B.C. (among handles, only
are the handles of the Sulla-
a good quantity which must
date down through the 1st century B.C. perhaps into the last quarter, though also
quite a lot of earlier stuff.

PRICE

*With many thanks
M. Jessop Price*

V9

[2]

THE NEW-STYLE COINAGE
OF ATHENS
SOME EVIDENCE FROM THE
BRONZE ISSUES

BY
M. JESSOP PRICE

REPRINTED FROM THE
"NUMISMATIC CHRONICLE"
SEVENTH SERIES, VOL. IV
1964

THE NEW-STYLE COINAGE OF ATHENS

SOME EVIDENCE FROM THE BRONZE ISSUES

By M. JESSOP PRICE

MISS MARGARET THOMPSON'S book, *The New Style Silver Coinage of Athens*, has thrown considerable doubt on the traditional dating of these series. After a detailed analysis of dies, hoards, and other evidence, Miss Thompson came to the conclusion that the series began in 196 B.C. and ended with the issues of M. Lucullus soon after 85 B.C. In adopting this arrangement she abandoned two historical features of the series which in the past had been assumed to be points of sure chronology. The first is the issue in the name of Antiochus, with an elephant symbol—usually thought to be connected with the activities of Antiochus IV at Athens;¹ the second is the issue in the name of King Mithradates with a *star between crescents* symbol, which had previously been attributed to 86 B.C. when Mithradates VI was in control of Athens.²

In a recent *Numismatic Chronicle*³ D. M. Lewis produced cogent circumstantial evidence to suggest that the silver issues continued after 85 B.C. and that the new chronology was consistently some thirty years too early. Miss Thompson, however, parried his arguments,⁴ and produced new evidence to show that the series must have begun in 196 B.C. The present article does not set out to solve the problem but brings forward evidence which has not yet been taken fully into account—the evidence of the bronze issues of the period. In particular there is the important variety of the bronze 'fulminating Zeus' series, with the symbol of the silver issue in the name of King Mithradates, *star between crescents*.⁵ An accurate date for this issue will clearly be of the greatest importance in the controversy.⁶

We may begin, then, with an analysis of the hoards of bronze to establish a relative chronology for the main bronze series. The

¹ Cf. M. Thompson, *The New Style Silver Coinage of Athens*, 158 ff.

² Cf. Thompson, op. cit. 423, n. 2.

³ *NC* 1962, 275 ff.

⁴ *Ibid.* 301 ff.

⁵ Cf. Svoronos, *Les Monnaies d'Athènes*, pl. 81, 45.

⁶ I am greatly indebted to Professor Homer Thompson, Miss Virginia Grace, and other members of the Agora staff, for all their help and kind advice during my work on the material from the Agora excavations, and also to Mme Varoucha, Mme Rena Evelpides, and Miss Margaret Thompson for permission to work on and use the various hoards described below.

hoards divide into two main chronological groups.¹ Group A contains the following:

- I. The Plaka find: a pot hoard acquired by Mme Rena Evelpides during the war, a few days after its discovery on the north slope of the Acropolis. The pot was not recovered.
- II. Attica KΘ hoard: published by Svoronos in *JIAN* ix, 1906, 298 ff. Re-inspection has shown that there are eighty-seven bronze coins, said to be part of a larger hoard.
- III. Bellinger I: published in *NNM* 42, 1 ff.
- IV. Pnyx hoard: found during the excavations of the Pnyx, and published in *Hesperia*, Supplement vii, 24 ff.
- V. Athens hoard: acquired by the National Museum, Athens, in 1955, and published in *BCH* 1956, 227-8.
- VI. Kyriaki hoard: acquired by the National Museum, Athens, in 1949.

There exists also the Keratea hoard, in the possession of the American Numismatic Society, which I have not inspected; and, in addition, several hoards in the National Museum, Athens, which are not available for study. The contents of all the above hoards are similar, and I append a brief analysis of hoards I-VI (Table I). Wear ('W') is given on a scale of 1 to 6, FDC to very worn. For the Athenian coins reference is made to Svoronos.

By the wear and numerical order of the coins in these hoards we may arrange the 'fulminating Zeus' series into two groups: those including an eagle as a symbol are clearly earlier; and the three latest series may be placed in the order *two pilei*, *βάκχος*, *thyrsus*. Later than the eagle group—with the possible exception of *kerchnos*, *cornucopiae*, *eagle* and *amphora*, *eagle*—and earlier than *two pilei* come the series of 'Zeus/Athene Promachos'. Finally, we may place the 'Zeus holding thunderbolt' series before all the 'fulminating Zeus' issues.² Among the smaller denominations, 'Two owls on thunderbolt' had been minted for a considerable time before the deposit of the hoards. 'Cicada/Owl' is usually in a rather better state of wear, although this series, too, had been in circulation for some time. 'Athene/Amphora'

¹ Cf. Thompson, op. cit. 526.

² The groundwork for the relative chronology of these issues has already been laid by Shear, *Hesperia* 1933, 231 ff.; Bellinger, *NNM* 42; Thompson, op. cit. 525 ff.; *Hesperia* 1941, 199 ff., &c. I hope to produce at a later date a more comprehensive account of the bronze issues of the second and first centuries B.C.

TABLE I
Hoards—Group A

	I	II	III	IV	V	VI	
Double-bodied owl							
Owl r.	1 w4-5	1 w3		2 w3-4	1	1 w3-4	Sv. 22, 35 ff.
Two owls						1 w4	Sv. 22, 62 ff.
Owl three quarters r.						1 w5	Sv. 24, 42
Demeter/Pig		1 w3					Sv. 79, 41
Zeus holding thunderbolt						1 w4	Sv. 103, 57
Zeus/Athene Promachos	15	12	39	5	5		Sv. 81, 15
total						27	
ear of corn, snake	8 w3-4	7* w4	23	2 w4-5	5	18 w1-4	Sv. 22, 55
pileus, horse's head	7 w3-5	5* w3-4	9	2 w2-4		8 w1-3	Sv. 22, 53
Fulminating Zeus	41	38	205	42	18	98	
star, eagle							
ear of corn, eagle	3 w5-6	7 w4	17			2 w4	Sv. 81, 17
cornucopiae, eagle		2 w4	13	4 w5-6		10 w3-4	Sv. 81, 28
pileus, eagle					1 w4-5	6 w3-4	Sv. 81, 19
kerchnos, cornucopiae, eagle						4 w4-5	Sv. 81, 30
amphora, eagle	9 w2-5	3 w3		2 w4-6	3	7 w2	Sv. 81, 23
two pilei	6 w2-4	8 w3	15	3 w2-5	1 w3	6 w1-3	Sv. 81, 20
βάκχος	10 w2-3	10 w2-4	87	15 w2-5	4 w2-3	47 w1-3	Sv. 81, 33
thyrsus	13 w2-3	3 w2-3	15	5 w2-4	1		Sv. 81, 49
		4 w2	29	7 w2-5			Sv. 81, 40
Athene/Amphora		6 w1-3		14 w2-5			Sv. 107, 75
Cicada/Owl	4 w1-3	8 w1-3		131 w1-6	7 w1-3		Sv. 107, 50
Two owls on thunderbolt	24 w1-5	19 w2-3	44	46 w1-6	6		Sv. 24, 62
Eleusis		1 w4				1 w4	Sv. 103, 1 ff.
Sicyon							<i>BMC Pelop.</i> 47, 138

* In hoard II, 5 of Sv. 22, 55 and 2 of Sv. 22, 53 have been counter marked with a star. Cf. Sv. 22, 55.

seems to be the normal smallest denomination at the time of the deposit of the hoards.

There is a notable absence from all six hoards of the *star between crescents* variety, which must therefore be later than all the other symbols,¹ and must, indeed, be the last of the 'fulminating Zeus' series. Similarly, the absence from all hoards of large denominations with the New Style head of Athene Parthenos must argue for the later date of these series.

The relative chronology of the larger denominations presents little difficulty. In passing we may note that hoard VI gives every indication of having been deposited rather earlier than the other five hoards. Its latest series is 'fulminating Zeus', *two pilei*, and the wear of all the 'fulminating Zeus' and 'Zeus/Athene Promachos' types is consistently better than of those of other hoards. It must have been deposited before, or shortly after, the issue of the *βάκχος* variety, and may be as much as a quarter of a century earlier than hoards I-V.

Group B of the hoards consists of two only.²

VII. North Slope hoard: a pot hoard, said to be in private possession in Athens.

VIII. Bellinger II: published in *NNM* 42, 9 ff.

The appended analysis of these two hoards adds little to that of Miss Thompson (Table II).

TABLE II
Hoards—Group B

	total	VII	VIII
New Style Athene/Owl on Amphora		26	8
poppy and corn ears	Sv. 79, 15		2
two pilei	Sv. 79, 8		2
<i>Βάκχος</i>	Sv. 79, 18		2
caduceus	Sv. 79, 25		1
cicada	Sv. 79, 40		1
New Style Athene/Tripod	Sv. 80, 1	4	4
" " " /Fulminating Zeus	Sv. 80, 25	4	2
" " " /Artemis	Sv. 25, 14	3	
" " " /Owl on prow	Sv. 80, 37		6
" " " /Nike	Sv. 80, 15		1
" " " /Apollo Delios	Sv. 80, 8		2
" " " /Sphinx	Sv. 80, 18		3
Gorgoneion/Athene Promachos	Sv. 25, 22	1	2
Zeus/Dionysos	Sv. 25, 36	2	2
Plemochoe/Dolphin and trident	Sv. 107, 1		1

¹ Cf. Thompson, op. cit. 530, &c.

² Cf. Thompson, op. cit. 527.

It is dangerous, naturally, to draw too firm conclusions from so few coins. However, it is clear that between the deposits of the hoards of groups A and B a considerable revolution has taken place in the general composition of the coins in circulation. It is clear that on grounds of style group B is the later; yet neither hoard contains an example of the earlier 'fulminating Zeus' type. At the other end of the scale no example of the Athenian imperial issues is present, and therefore it is possible that the deposit of these hoards antedates the imperial series.

I have been unable to inspect either of these hoards; but their composition would lead me to suggest that hoard VII was deposited rather earlier than hoard VIII. There are, for example, twenty-six coins of the 'Owl on amphora' series as against eight in hoard VIII; and in general hoard VII presents a less diverse composition, which suggests a shorter period of minting for the New Style series as a whole.

We may note once again the absence of the *star between crescents*. It has been suggested¹ that this is possibly later than some of the New Style head types. The alloy of the metal of the *star between crescents* is certainly worse than other varieties of the 'fulminating Zeus' type, and even than the earliest New Style heads. However, we may remember that the last issues of one series are often of worse alloy than the earliest issues of the next,² and in this way the *star between crescents* finds a natural position between the *thyrsus* variety of 'fulminating Zeus' and the issue of the New Style heads. This proximity of the *star between crescents* and the *two pilei* in the relative chronology of the bronze is paralleled in the silver by the appearance of the same symbols on the issues of Demetrios-Agathippos and King Mithradates.³ If the symbols on these two silver and bronze issues are to be thus equated, the issue of the *star between crescents* is to be dated not long after the deposits of hoards I-V.

The evidence of the hoards, therefore, gives a long series of 'fulminating Zeus' and 'Zeus/Athene Promachos' types, with several hoards towards the end. The *star between crescents* variety was issued after the deposit of these hoards, and was succeeded by the New Style head series which in turn dominates the coin circulation. There may, of course, be periods when the mint produced no coins of the larger denomination.

¹ Cf. Thompson, op. cit. 530, 640.

² Cf. Caley, 'The Composition of Ancient Greek Bronze Coinage', *AJPhil.* xi, 1939, 43.

³ For the *two pilei* symbol on silver cf. Thompson, op. cit., pl. 102 (131-130 B.C.). The issue of King Mithradates she dates c. 121 B.C.

To fit absolute dates to these stages, we may turn to the coins from the excavations of the Athenian Agora, where numerous deposits exist, datable by the pottery, stamped amphora handles, &c., found in them.¹ I have chosen five such deposits the coins from which seem in composition to belong to the period between groups A and B of the hoards. A comparative list of the coins in these deposits follows (Table III):

TABLE III
The Deposits of the Agora

		I	II	III A	III B	IV	V
Two-bodied owl	Sv. 22, 35 ff.					2	2
Owl r.	Sv. 22, 62 ff.	1		2			
Two owls	Sv. 24, 42			1			
Owl three quarters r.	Sv. 24, 10		1	1			
Zeus/Athene Promachos	total	2	2				
ear of corn, snake	Sv. 22, 55	1	2				
Fulminating Zeus	total	13	6	4	1		
eagle, cornucopiae	Sv. 81, 19		1				
two pilei	Sv. 81, 33	1	1	1			
star between crescents	Sv. 81, 45	12	2	1	1		
Cicada/Amphora	Sv. 107, 55		1				
Cicada/Owl	Sv. 107, 50			1			
Two owls on thunderbolt	Sv. 24, 62	1		1	1	2	
Demeter/Poppy and corn ears	Sv. 104, 39		1				1
Triptolemos/Crossed $\beta\alpha\kappa\chi\alpha\iota$ and thyrsus	Sv. 104, 46		1				1
Demeter/Triptolemos	Sv. 104, 31		2				
Apollo/Corn ears	Sv. 107, 12 ff.		4				
Apollo/Cicada	Sv. 107, 28		2				
Apollo/Artemis	Sv. 25, 12		1				
New Style Athene/Owl on amphora	Sv. 79, 1 ff.	1	4		1	3	1
palm	Sv. 79, 19				1		
poppy and corn ears	Sv. 79, 15						
two pilei	Sv. 79, 8		1			1	
" " /Owl on prow	Sv. 80, 37					2	
" " /Athene Promachos	Sv. 80, 29					1	
" " /Apollo Delios	Sv. 80, 8	1					1
" " /Tripod	Sv. 80, 1				1		
" " /Fulminating Zeus	Sv. 80, 25					1	
Gorgoneion/Athene Promachos	Sv. 25, 22					1	

The following non-Athenian coins were found in the deposits:

Antigonos Gonatas	277-239 B.C.	McClean pl. 134, 6
Lysimachus	after 306	R tetradrachm, cf. McClean 4493
Gyrton	4th cent.	BMC Thess. 20, 5
Bocotia	3rd-2nd cent.	BMC Cent. Gr. 41, 81
Thebes	3rd cent.	BMC Cent. Gr. 87, 201

¹ For the dating of these I naturally rely on the expert opinions of the Agora staff, for whose ready help I am most grateful.

Euboea	After 194	Wallace, <i>Eub. League</i> , pl. xv, 14	II
Aegina	4th cent.	<i>BMC Att.</i> 143, 206	V
Eleusis	4th-3rd cent.	Sv. 103, 1 ff.	IV
Troezen	4th cent.	<i>BMC Pelop.</i> 166, 10 ff.	II
Prusias II	180-149	<i>BMC Pont.</i> 211, 14.	II
Antioch	1st cent. B.C.	<i>BMC Syr.</i> 157, 49	V
Tiberius	A.D. 14-37	<i>RIC</i> i, 103, 3	V

The first three of these deposits, I-III, are dumped fills from cisterns. Such deposits are useful not only because the material was thrown in at one time to fill the out-of-use cistern, but also because the possibility of later intrusion is cut to a minimum. Deposit III is divided into two, since a second supplementary fill, B, was thrown in on top of the first fill and could thus be distinguished by the excavators.

The following dates may be assigned to the fills on the evidence of the material found in them:

- I. Agora Deposit N. 20:4. Cistern on the north-east slope of the Areopagus. Much debris from the Sullan destruction of 85 B.C., but with pottery dating down to the second quarter of the first century B.C.¹
- II. Agora Deposit E. 14:3. Cistern on the south-east slope of Kolonos Agoraios. Some material from the Sullan destruction, but probably a fill of the third quarter of the first century B.C.²
- III. Agora Deposit N. 19:1. Cistern on the north-east slope of the Areopagus. The lower, earlier fill is of the time of Sulla, with much earlier material. The final fill is of c. 25 B.C.³
- IV. Agora Deposit B-C. 10-11:1. An extensive fill connected with levelling operations on the west slope of Kolonos Agoraios. Late Hellenistic and early Roman pottery, probably deposited in the final years of the first century B.C.⁴
- V. Agora Deposit D. 4:1. Cistern on the north slope of Kolonos Agoraios. A dumped fill of the second quarter of the first century A.D. A supplementary fill of the end of the first century A.D., not included in the above list of coins, assures the closed nature of this deposit.⁵

¹ Cf. H. S. Robinson, *The Athenian Agora v (Roman Pottery Chronology)*, 126; R. H. Howland, *The Athenian Agora iv (Greek Lamps)*, 243.

² Cf. *Hesperia*, Supplement x, 163, under no. 183; Howland, op. cit. 237.

³ Fill B = Robinson, op. cit. 10 ff. Group F: Howland, op. cit. 243; J. Perlzweig, *The Athenian Agora vii (Lamps of the Roman Period)*, 227.

⁴ This fill is unpublished.

⁵ Cf. Robinson, op. cit. 25 ff. Group G: Howland, op. cit. 236; Perlzweig, op. cit. 224; C. Grandjouan, *The Athenian Agora vi (Terracottas and Plastic Lamps of the Roman Period)*, 98.

v. 66
 (X) Ref. to v. 66, and not useful as - ref.
 as I do not name the deposit, which I call
 Sullan. But desc. by R. H. Howland is basis:
 "beg. of 1st B.C. c. 3/4"

This selection of deposits may contain only a small number of coins *in toto*: but the general picture of the six separate fills seems conclusive. The change of composition that we saw between the hoards of groups A and B is reflected in the coins of deposits IIIA and IV—in absolute terms between 85 B.C. and the last years of the first century B.C.

These deposits, however, are not quite the same as hoards. The prime difference is that the coins were not purposely secreted, and therefore the chance of a time-lag between the issue of the coin and its deposit may be greater. The deposit gives only a date *ante quem* for an individual issue. On the other hand, more general patterns of circulation do emerge; and there seems no doubt at all that the hoards of group B cannot have been deposited long before deposits IV and V.¹

We may consider also the pattern of the 'fulminating Zeus' varieties. Large quantities were issued before the deposit of the hoards of group A; and yet, in the deposits before us, 16 of the 24 examples are of the *star between crescents* series, and 3 are of the *two pilei* variety. Large quantities of both these series must have been circulating at the time of the Sullan destruction. It seems most improbable that the hoards of group B are to be dated to this time.

The twelve specimens of the *star between crescents* in deposit I may be fortuitous; but one fact is certain. Wherever material from the Sullan destruction is found, coins of this variety are usually present.² The domination of this variety at this time suggests either that we must postulate a gap between the issue of the *star between crescents* and the earliest New Style head types, with the latter dating not long before 85 B.C.; or that the *star between crescents* must belong to the years immediately preceding the Sullan destruction.

If the hoards of group A belong to the 120's B.C. and the hoards of group B to the second half of the first century B.C., we possess no hoards that may be dated to the time of crisis 86–85 B.C. This difficulty has already been noted in the silver issues, where a parallel conglomeration of hoards dates to the time of the issues immediately preceding the issue of King Mithradates.³ But absence of hoards at a desirable date is not in itself sufficient argument against the higher dating.

¹ Cf. Thompson, *op. cit.* 529, where they are dated to 86 B.C.

² The coins in deposit I were scattered throughout the cistern and do not seem to be part of a hoard. Other deposits containing Sullan debris and *star between crescents* are Agora Deposit nos. B. 22:4, O. 17:5, and T. 27:1.

³ Cf. Lewis, *NC* 1962, 280 ff.; Thompson, *op. cit.* 534–5.

For the bronze variety there are two further arguments which make the attribution to c. 86 B.C. a certainty. First, although we find this large number of the *star between crescents* variety after the Sullan destruction in the deposits of the Agora, no deposit of the later second century contains an example of either this or the *two pilei* varieties,¹ and no single example of the former can be dated before 85 B.C. Secondly, the addition of lead to the alloy of the *star between crescents* series must make the metal softer, and therefore more liable to wear. Most of the twelve specimens from deposit I are in a fine state of preservation, and show little sign of wear. We may claim, therefore, with some confidence, that the bronze *star between crescents* variety of 'fulminating Zeus' is an issue of Mithradates VI.

It is now clear that hoards I–V are to be placed c. 87 B.C. when the threat of Sullan invasion was imminent, and before Mithradates VI had made his issue of bronze coin. The rather earlier hoard of group A, hoard VI, should be dated to the time of the great slave revolt at Laurion, 104–102 B.C., and its find-spot in the east of Attica makes such an occasion probable. Hoards VII and VIII cannot be dated so accurately until a full study of the complex New Style issues has been made. If these come to an end in 32 B.C.,² the dates 42 B.C. for hoard VII and 32 B.C. for hoard VIII would not be unsuitable. On the other hand, the material from the Agora suggests that the imperial issues do not begin until the first century A.D.; and therefore, unless there is a gap in minting, the New Style types may continue after 32 B.C.

The *star between crescents* issue belongs to Mithradates VI; and together with the bronze issues we may group the silver and gold. The parallel groups of hoards in the years immediately preceding this issue, and the proximity, in both silver and bronze, of the *two pilei* symbol, make it unlikely that we should divorce the bronze issues of *star between crescents* from the precious metal issues. Although these issues may not seem to be a war measure,³ bronze, as a propaganda medium, has definite advantages over silver and gold. With the approach of Sulla, the support of the local inhabitants was of the first importance to the pro-Pontic party at Athens; and, during the

¹ e.g. Agora Deposit nos. C. 20:2, G. 13:8, M. 23:1, R. 21:2. Even if the symbol itself is illegible, the position of the letters often distinguishes the variety. *Two pilei* is unique in the arrangement A–ΘE, and *star between crescents* can be confused only with *kerchnos*, *cornucopiae*, *eagle* and *amphora*, *eagle*.

² Cf. Shear, *op. cit.* 270–1, and the works cited on p. 28, n. 2 above.

³ Cf. Thompson, *op. cit.* 420–1.

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siege itself, supplies of silver may well have been small. Yet the problem is by no means solved. Everything points to the silver New Style issues beginning in 196 B.C.; and, unless we accept D. M. Lewis's suggestion that Aesillas is to be dated to the 60's B.C. instead of c. 90 B.C.,¹ the Aesillas overstrike requires a reorganization of the stylistic sequence of the Late Period. The final solution must await further evidence.

¹ Cf. Lewis, *NC* 1962, 296 ff.

PRINTED IN GREAT BRITAIN
AT THE UNIVERSITY PRESS, OXFORD
BY VIVIAN RIDLER
PRINTER TO THE UNIVERSITY

8.VIII.64

S. II. 79

(To HAT) These notes seem to have been written before I had the publication probably just as manuscripts. See now M. J. Price, "The New Style Coins of Athens, Some Evidence from the Brong, Issued, "Num. Chronicle 1964, pp. 27-36.

On the dates of M. Pryce's deposits

I (N 20 : 4). I note the second quarter date also in HSR's volume. Nothing

in the SAH had seemed to me clearly datable later than 86 B.C.. The Knidian are all of the duoviri period save SS 7931, 2/2 of 2nd century B.C. But it is true that the Rhodian neck SS 7932 by its shape rather resembles the Antikythera Rhodian, which would bring it down into the second quarter; and that I do not know what other evidence than this deposit places the SPE fragment before 86 B.C.

So far as the SAH go, this deposit does seem to have remarkably little that is as early as 120 B.C. The handles thus seem to give some support for associating the 12 bronze coins having the crescent-star-crescent device with M.VI rather than with M.V., which I believe is Mr. Pryce's suggestion.

II (E 14 : 3). The handles are mostly Knidian, all or nearly all of the duoviri period. The single Rhodian is probably contemporary. I do not know what has given this deposit the suggestion of a late 1st B.C. date which appears annotated on the Deposit List. But note that in recent (IV-V.64) correspondence with HAT, Paul Lapp dated P 6025 from this deposit near the end of the 1st B.C.

III (N 19 : 1). Note new SAH analysis, copy attached.

The handles are divided like the rest of the pottery between Sulla-destruction refuse (here, ~~with~~ duoviri Knidian and probably-contemporary Thasian and Rhodian) and earlier stuff (here, 1/2 of second century, mostly 188-167 B.C.); the upper fill having in addition some material of the later 1st B.C. (among handles, only the Late Knidian SS 6711, HSR F 96). Most numerous are the handles of the Sulla-destruction period.

IV (B-C 10-11 : 1). Here the handles do include a good quantity which must date down through the 1st century B.C. perhaps into the last quarter, though also quite a lot of earlier stuff.

V (D 4 : 1). (HSR Group G)

The amphoras and fragments from this deposit are apparently not from the same fill as the coins in question.

Presence of Knidian handles of the duoviri period is obviously my chief test for Sullan date. That this series should be so dated depends mainly on the fact that numerous examples have been found in deposits so dated at the Agora.

There were none in Group E. I quote here from my letter of 3.V.63 to DBT:

"Group E: I do still think that the handles from this deposit antedate 86 B.C., in fact that they are probably before 110 B.C. since they include none of the approximately 23 yearly Knidian officials of the duoviri period. See Suppl.X, pp.146-150. These are a group of eponyms closely knit by interconnection between eponym and fabricant names, dated by the fact that they occur in such Sulla-destruction deposits as M 20 : 1, on which see for instance Hesp. XVIII, 1949, p.110, note 8; this latter deposit includes the eponyms ANAPOMENHZ and EPOMEN who seem to be among the latest of the duoviri period. Group E has no duoviri eponyms, but two of its potters, EPIQANHZ with bee and KYHPOZ with forepart of lion, do last over into the duoviri period; in Group E they both name IEPOKANHZ, the predominant and evidently latest eponym in E; so we may suppose that the handles from this deposit come down into the last quarter of the century, as does the inscription I 1594. . .

"I should remark that in III,62 GRE was not able to see a distinction in date between Group E and M 20 : 1 (above-mentioned), at least in the brief study of the two laid-out groups for which there was time. . . . He thought . . . both were deposited close to the time of Sulla..."

I venture to point out two deposits which seem to me to fall between Group E and the later Sulla-destruction groups (as far as SAH go): C 9 : 7 and M 23 : 1. These include only the earlier eponyms of the duoviri Period.

(End)

IV B-C 10-11 : 1 N.A. = HSR

V D 4 : 1 Tare + jar frags
(grouping) note same fill as coinNotes on Pryor deposit
looking at Deposit Summary to

Pryor I N 20 : 4

HSR (Agon V) calls T 2/4 1st
For the Satt, could only say I cannot
be sure the Plect. neck - the SPE
frag. are not later than 86 BC.
Kinsie seen to be SullenNote this is almost nothing to go with
a date 30 years before Sullen (?)
assigned by M. Thompson & T
12 by coins "star before crescent"

II E 14 : 3 (Not in HSR)

See undated unsigned statement in dep. list
says ^{to} later 1st BC.also new corresp. of Paul Lapp IV-V.64
He says P 6025 - seems to be near end
of 1st BC.

III N 19 : 1

HSR^{pub.} :Dumped filling of late 2nd BC
Group 7 - dumped filling of
Sic. grains to end of 1st BCDep. list : abundant fill prob. Sullen
HSR : late 2ndfinal fill = upper fill
2nd - 3rd quarter of 1st BC
is earlier material dug to lower
level of area.

On late 2nd - early 1st groups
at Agia

in connection with M. Pryor's
article on Mithras 6(1) Coins

For most recent words of VG on Group E,
see list of letters & DBT of May 1963 (a copy is att. to E
in 'VG Deposits III' folder)

Groups I think are between Group E and Salla groups.
C 9: 7 ($\pi\theta$, cistern & 6/NE)

Has only 2 sp. of durov point
" ^{Δαμ.} ^{Δαμ.} ^{Δαμ.}
" $\pi\alpha\rho\alpha\rho\alpha\varsigma$ and $\Sigma\omega\sigma\iota\phi\rho\omega$

E 6: 2, loose filling at top (KK cistern & 69/AST)

All Eps. of durov point:
^{Δαμ.} ^{Δαμ.} ^{Δαμ.}
 $\lambda\rho\iota\sigma\tau\rho\alpha\iota\delta\eta\varsigma$, $\Sigma\omega\phi\rho\alpha\rho\alpha\varsigma$, $\Sigma\omega\sigma\iota\phi\rho\omega$

M 23: 1 (AR cistern in Bp. Bldg).

Eps. nearly all of durov point:
^{Δαμ.} ^{Δαμ.} ^{Δαμ.}
 $\Delta\alpha\rho\iota\kappa\rho\iota\tau\alpha\varsigma$, $(\Delta\iota\omega\upsilon)$, $\Pi\omicron\delta\iota\tau\alpha\varsigma$,
 $\Sigma\tau\rho\alpha\tau\omicron\kappa\iota\delta\eta\varsigma$, $\Sigma\omega\sigma\iota\phi\rho\omega$

M 18: 2 (Φ , Hall. fill at 70/AST)

Eps. of durov point:
^{Δαμ.} ^{Δαμ.}
 $\Pi\omicron\delta\iota\tau\alpha\varsigma$, $\Delta\iota\omicron\nu\upsilon\sigma\iota\delta\eta\varsigma$, and another
(not earliest, & not latest)

COINS FROM HELLENISTIC DEPOSITS

Vg wmg

This list was compiled by G. R. Edwards and J. H. Kroll in July and August 1971. Mr. Edwards provided the list of coins by section, date, and identification as given in the notebooks. Kroll added a column at the left giving the coins' new ~~xxxxxxxxxxxx~~ consecutive inventory numbers and a column at the right giving what he believed at the time to be the most accurate identification and dating of the coins. Users should be cautioned that this is only a working list and that the coin chronology on which JHK's dates are based is still in the process of being developed and refined. Future refinement, however, will be for the most part in narrowing the date-brackets assigned. It is doubtful that any of these date-brackets will be widened or at all substantially shifted, for there now is abundant evidence to show at least ~~in~~ the general period to which most Athenian bronze coins belong. Nevertheless, before ~~xxxx~~ quoting any dates in the list, it would be best to check with Kroll to see if any improvements can be made.

The most important and drastic differences between the old coin dates and the ones given here occur in the second and first centuries BC, the period of the so-called Athenian New Style bronze coinage. The differences occur primarily because the earlier Agora numismatists did not recognize that the coinage divides itself into two well-defined series, one pre-86 BC and the other post-86. I have put down the main arguments for developing a chronology of the pre-86 BC series in a few pages that preface the coin deposit list. As for the post-Sullan ^New Style bronze, since it ~~can be shown to~~ ~~xxxxxxxxxxxx~~ run down well into the reign of Augustus (some 30-50 years later than had previously been thought), it will require a later date for such

early Roman deposits as E15:3 and N19:1 (Robinson's Group F) than is given in the standard Agora publications.

J. H. Kroll

August 1971

Coins from Hellenistic Deposits

Concordance:

Grid designations - old designations

A 14:1 ΠΘ Well 105/NH
 A 16:4 ΠΠ Cistern 121/NH
 A 17:3 ΠΠ Pit at 3/EA
 A 18:1 NN Cistern 77/NA
 A 18:5 NN Well 86/EE
 B 13:1, ΠΘ Cistern 76/NZ - 76/NΘ - 81/NΘ
 2, 3
 B 13:7 ΠΘ Well 81/MA
 B 13:8 ΠΘ Well 87/AΘ
 B 18:2 NN Pyre at 74/MΘ
 B 18:12 NN Well 65/MΓ
 B 20:2 NN Cistern 100/K
 B 20:7 NN Well 99/KB
 B 21:4 NN Well 107/IΓ
 C 9:7 ΠΘ Cistern 6/NE
 C 12:2 ΠΘ Well 68/MB
 C 17:2 ΠΠ Pyre 36/AA
 D 11:1 ΠΘ Well 47/KZ
 D 11:2 ΠΘ Cistern 35/IA
 D 11:4 ΠΘ Cistern 44/IΓ - 46/IA - 42/Θ
 D 12:2
 D 11:3
 D 17:3, OO Cistern 65/KH - 70/KE - 73/AZ
 4, 5
 D 17:11 OO Well 65/MA
 D 17:14 OO Disturbed pyre 59/KH
 D 19:2 NN Well 55/Θ
 D-E 8-9: ΠΘ Theseion Cistern A-B
 1
 E 3:1 MM Cistern 44/H

- E 5:2 AA Cistern 81/M
- E 6:1-2 KK Cistern 69/A - 69/ΔΣT
- E 14:1,3 Γ Cistern 88/ΔΔ - 95/KΘ - 100/KΘ
- E 15:3
- E 14:6 Γ Well H
- E 15:3 see E 14:1, 3
- E 15:4 Γ Shaft 102/AA
- E 15:7 Γ Well 98/IΣT
- F 5:1 AA Cistern 99/K
- F 6:3 see G 6:2
- F 11:2,
3, 4 B Wells 15/ΔΔ, 33/KΔ, and Well to W. of Tholos
- F 13:3 B' Well 9
- F 15:2 Group E. Γ Cistern 94/Θ
- F 16:1 ΣT Cistern 9/B
- F 16:7 K Pyre burial
- F 16:8 K Cistern-Well in Marble Workers' House
- F 17:4 OO Cistern in SW Bath (pp. 25-28)
- F 19:3 ΓΓ Unfinished Well 41/NB - NΓ
- F 19:6 ΓΓ Well 51/MΣT
- G 5:3 AA Well 97/Γ (Bone Well)
- G 6:2 Group C. A Cistern 23/A; KK Cistern 75/H
- F 6:3
- G 13:4 Group A. Z Well 7/IΓ
- G 13:8 Z Heavy Burnt Layer at 9/Θ
- H 6:4 A Well 20/IΣT (Bronze Head)
- H 6:9 A, Cave (Cistern 14/K)
- H 12:1 Z and B, Filling of Middle Drain
- H 13:1 K Well in road W. of Middle Stoa
- H 16:2 ΣT' Cistern 53/Θ - 61/IH - 63/KΓ
- I 17:1
- I 17:5
- H 16:3 Group B. Cistern ΣT' - ΣT' 45/B - 45/IA

- H 16:4 Group D. ZT' Pithos 53/Δ
- H-K 12-14 @ Middle Stoa Building Fill
- I 14:2 K Pithos - Settling Basin
- I 17:1, see H 16:2
5
- K 6-7:1 H Hellenistic Fill at 48-53/IB-IF
- K 18:2 Y Cistern 20/MB
- K-L 18-20: ΔΔ Underground drains at W. end of section
1
- L 17:7 Φ Aeschines St. Cistern, S. chamber
- L 19:2 ΔΔ Cistern 113/A'
- M 18:10 Φ Well 66/AZ
- M 20:1 X Cistern 75/OA
- M 20:4 X Well 72/OΔ
- M 21:1 ΔΔ Komos Cistern 66/K
- MN 15:1 T South Stoa II, Construction Fill
- M-N 18:1 see N 18:3
- N 10:2 Ξ Pocket 63/MΔ
- N 18:3 X Cistern 77/M and 75/MF
- M-N 18:1
- N 19:1 X Cistern 84/NΣT and 79/MH
- N 20:4 Ω Cistern 74/H
- N 20:6 Ω Cistern 60/IE
- N 20:7 Ω Cistern 67/IH - 68/IΣT
- N 21:4 EE Cistern 53/E
- N 21:9 ΔΔ Cistern 61/B
- O 16:3 T Well 73/MH
- O 17:5 Φ Phaidon St. Cistern
- O 20:3) Ω Well 67/AF
- O 20:1) Ω Cistern 63/AA - 70/AΣT - 65/MA
- P-R 6-12 ZA Stoa of Attalos Construction Fill

_____ (?) ZA Water Tunnel to east of Stoa of Attalos
Shops XI - XV

V9 87
Arranged alphabetically by Section letter
after HAT group
Coins from Hellenistic Deposits

VIII. 71

[6.01]

Gp. A. Z Well 7/IF. G 13:4

No coins.

Gp. B. Cistern Σ T- Σ T' 45/B - 45/IA. H 16:3

Old Identification

J. Kroll, 1971

Draw Shaft:

- ST-303 Σ T Apr. 14, 1932, #3. Illegible Greek
Greek, probably Athens
- ST-304 Σ T Apr. 14, 1932, #4. Athens, 1st 1/4 3rd c. B.C.
Athens, 339-297 B.C. (Owl r. in corn wreath)
Coin is worn.
- ST-305 Σ T Apr. 14, 1932, #5. Eleusis, 1st 1/3 3rd c. B.C.
Eleusis, in name of Eleusis (Wreathed pig)

South Chamber:

- ST'-728-729 Σ T' May 30, 1932, #1-2 -728. Prob. Athens last 1/3
Athens, ca. 294 B.C. 4th c. B.C. (2-bodied owl?)
- Gp. C. A Cistern 23/A; KK 75/H. G 6:2 and F 6:3. -729 Illegible Greek

Old Identification

J. Kroll, 1971

- A Mar. 15, 1932, #3. Athens, 297-255 B.C.
- A Mar. 15, 1932, #4. Illegible
- A Mar. 16, 1932, #1. Disintegrated.
- A Mar. 16, 1932, #2. Athens, 339-297 B.C.
- For this group see separately attached page 2a

Note: HAT says there were 10 bronze coins of which 4 were illegible, leaving 6 legible. Unable to find more than the above in notebooks.

Gp. D. Σ T' Pithos 53/A. H 16:4.

Old Identifications

J. Kroll, 1971

- ST'-572 Σ T' Apr. 12, 1932, #6. Athens, last 1/3 4th c. B.C.
Athens, 297-255 B.C. (2-bodied owl)
- 573 Σ T' Apr. 12, 1932, #7. Illegible Greek
- 574 Σ T' Apr. 12, 1932, #8. Athens, 2nd 1/4 3rd c. B.C.
Athens, 297-255 B.C. (Owl r. w. cornucopiae)
- 575 Σ T' Apr. 12, 1932, #9. Delos, money of Ath. cleruchs Athens, 2nd c. B.C.
- ~~Σ T' Apr. 12, 1932, #10. Illegible~~ (Cicada/amphora)

ST'-576

ΣΤ' Apr. 12, 1932, #11.

Greek

~~ΣΤ' Apr. 13, 1932, #1.~~

Illegible

579

ΣΤ' Apr. 13, 1932, #2.

Eretria?, 378-338 B.C.

Non-Athenian, identification
and date uncertain, though
possibly ascertainable with
further study

Eretria, 4th c. B.C.

Gp. E. Γ Cistern 94/Θ. F 15:2.

Old Identifications

J. Kroll, 1971

missing

Γ Mar. 10, 1932, #1.

Athens, 297-255 B.C.

Notebook gives "Athens, 3rd c.B.C.
which means in effect that the
coin was illegible Greek."

~~Γ Mar. 10, 1934, #2-9.~~

Illegible and disintegrated.

Note: HAT says there were 15
bronze coins. Unable to
find more than the above
in notebooks.

The remaining coins are March 12, 1934 nos. 1-6, all but one of which
were illegible or disintegrated. The exception is March 12, no. 2
= G-239, formerly identified as "Delos after 166", but now identified
as Athens, 2nd c. B.C. (Cicada/?).

alphabetically by Section letter

6.03

GROUP C

A CISTERN G 6:2 and F 6:3

The 10 coins are:

Feb. 23 1932	no.1	missing	illegible	illegible
Feb. 23	2	A-1452	former ident Athens 339-297	correct ident Athens, 3rd c. B.C. (2 pigs/tooth in wreath)
Feb. 24	no.1	A-1466	Athens 255-229	Athens 229 ca/ 229- 229 ²¹⁵ BC (triobol owl AE)
				NB: coin is worn
Feb. 29	no.3	A-1481	Athens 339-297	"Greek" illegible
	no.4	A-1485	Athens 255-229	Athens 255-229 (owl 3/4 r. with amphora)
	no.7	missing	illegible	
March 15	no.3	A-1457	Athens 295-255	Athens, 1st ^{1/3} 1/2 3rd c. B.C. (owl r. in corn or olive wreath). Coin is worn
	no.4	missing	illegible	
March 16	no.1	missing	disintegrated	
	no.2	A-1579	Athens 339-297	Same as XXXX A-1457

N.B. Wear of latest coin (A-1466) supports deposit date of ca. 200 B.C. (or later). Absence of Fulminating Zeus^{AE} suggests deposit ^{should not be} ~~is~~ probably not much later than ca. 200.

23.VIII.71

(Single SAH, similar to MSBF type,
but not duplicated in MSBF.)

A Cave (Cistern 14/K). H 6:9Old IdentificationJ. Krol, 1971

- July 21, 1931, #1.
 Illegible
 A-998 Aug. 1, 1931, #5. Athens, 2nd 1/4 3rd c. B.C.
 (Owl r. w. symbol, ?wreath)
 A-1117 Feb. 5, 1932, #1. Illegible Greek OR 5th-6th c. A.D.
 Vandal

A Well 20/I2T (Bronze Head). H 6:4.

No coins.

AA Cistern 6/AT. S 19:2

Filled in Byzantine times, therefore coins not
 significant, if any.

B Wells 15/AA, 33/KA, and "Well" to W. of Tholos. F 11:2, 3, 4

15/AA (date from coins would be end of 4th ~~xx~~ -early 3rd c.B.C.)

Old IdentificationJ. Krol, 1971

- B-372 Apr. 5, 1934, #1 Eleusis, 1st 1/3 3rd c. B.C.*
 Eleusis, 350-300 B.C. (Large wreathed pig)
~~Apr. 5, 1934, #2~~

 -373 Apr. 5, 1934, #3 Athens, late 4th-early 3rd c.B.C.
 Athens, 307-283 B.C. (2 owls, kalathos)
 -374 Apr. 5, 1934, #4 Eleusis, 1st 1/3 3rd c. B.C. *
 Eleusis, 350-300 B.C. (Large wreathed pig)
~~Apr. 10, 1934, #1~~
 Ring.
 -380 Apr. 10, 1934, #2 Eleusis, last 1/3 4th-first 1/3
 Eleusis 3rd c. BC (pig)
 -393 Apr. 11, 1934, #1 Athens, last 1/3 4th c. B.C.
 Athens, 330-300 or later (2-bodied owl, kalathos)
~~Apr. 12, 1934, #1~~
 Greek, probably Eleusis
~~Apr. 18, 1934, #1~~
 Greek, possibly Athens
 Apr. 18, 1934, #2 Illegible Greek
 -420 Athens, 330-300 B.C. or later
~~Apr. 19, 1934, #1~~
 Greek
~~Apr. 19, 1934, #2~~
 Greek
 -427 Apr. 19, 1934, #3 Illegible Greek
 Athens, 330-300 or later
~~Apr. 19, 1934, #4~~
 Athens, 3rd century
~~Apr. 19, 1934, #5~~
 Greek
 -447 Apr. 24, 1934, #1 Athens, late 4th-1st 1/3 3rd
 Athens, 307-283 B.C. c.B.C. (2 owls)

*N.B. Wreathed-pig series, though widely circulated in 1st 1/3rd of 3rd c. B.C.
 may have begun in late 4th, say ca. 307. See Deposit D-E 8-9:1.

Apr. 24, 1934, #2

 May 2, 1934, #1

 B-491 May 4, 1934, #1 Athens, 307-ca. 300 B.C.
 Athens, 330-307 B.C. (Owl 1., AOH)
 May 9, 1934, #1 very little wear

 -503 May 9, 1934, #2 Illegible Greek
 Athens, 297-255 B.C.
 -504 May 9, 1934, #3 Old ident possible, but needs
 Larissa, 305-197 B.C. further confirmation. Coin
 May 9, 1934, #4 is very worn
 Greek
 -505 May 9, 1934, #5 Athens, late 4th-early 3rd BC
 Athens, 255-229 B.C. (2 owls)
 -508 May 10, 1934, #3 Athens, 2nd 1/2 5th c. B.C.
 AR Athens, 365-359 B.C. (Silver tetradrachm)
 May 10, 1934, #4
 Athens, 3rd century
 May 10, 1934, #5
 Athens, 3rd century

33/KΔ, chamber group

Old Identification

J. Krol, 1971

Apr. 20, 1934, #1
 Greek

B' Well 9. F 13:3

Old Identification

J. Krol, 1971

Apr. 10, 1935, #1
 Greek
 B'-1096 Apr. 10, 1935, #2 Old ident OK
 Demetrius Poliorcetes, 306-283
 -1097 Apr. 10, 1935, #3 Prob. Athens, time of Augustus
 Athens, NS, after 30 B.C. but circulated until worn
 missing Apr. 11, 1935, #11 smooth (owl on prow?)
 Delos, after 166 B.C. Old ident. = Athens or Delos
 xxxxxx Apr. 12, 1935, #8 2nd or 1st cent. BC
 Greek
 -1112 Apr. 12, 1935, #9 Athens or Delos, 2nd c. B.C.
 Delos after 166 BC (Apollon/kernos)
 Athens, 188-166 B.C.
 Apr. 13, 1935, #1-2
 Greek
 Apr. 15, 1935, #1
 Athens
 Apr. 16, 1935, #1
 Greek
 missing May 9, 1935, #1 Old ident. = Athens or Delos
 Delos, after 166 2nd or 1st cent. BC
 missing May 10, 1935, #1
 Antigonus Gonatas, 277-239 B.C. Old ident. prob. OK

BB Cistern 37/AB. R 21:2

Lower FillOld IdentificationJ. Kroll, 1971

- BB-1246 June 8, 1939, #6
Athens, NS, 229-30 B.C. Athens, 2nd c. to 86 B.C.
(2 owls on thunderbolt)
- ~~June 8, 1939, #7~~
Disintegrated
- 1254 June 10, 1939, #1 Athens, 2nd c. ~~to 86 B.C.~~
Delos, Ath. cleruchy, after 166 (Cicada/amphora)
- ~~June 10, 1939, #2~~
Greek
- ~~June 10, 1939, #3~~
Greek
- 1255 June 10, 1939, #4 Athens, 2nd c. B.C.
Athens, NS, 229-30 B.C. (Fulminating Zeus, w. eagle)
- ~~June 10, 1939, #5~~
Greek
- ~~June 10, 1939, #6~~
Greek
- 1291 June 20, 1939, #1 Athens, last 1/3 4th c. B.C.
Athens, 330-300 or later (2-bodied owl)
- ~~June 20, 1939, #2~~
Greek
- ~~June 20, 1939, #3~~
Greek
- ~~June 20, 1939, #4~~
Athens, Imperial ?

Γ Well H. E 14:6

No good as group.

Γ Well 98/12T. E 15:7

No good as group.

Γ Cistern 88/AA - 95/KΘ - 100/KΘ. E 14:1, 3; E 15:388/AA = E 14:1Old IdentificationJ. Kroll, 1971

- G-1109 ~~May 16, 1935, #1~~
Greek Athens, 1st 1/3 3rd c. B.C.
Athens, 307-283 B.C. (owl r.)
- ~~May 17, 1935, #30~~
Greek
- ~~May 17, 1935, #31~~
Greek
- ~~May 17, 1935, #32~~
Disintegrated
- ~~May 18, 1935, #1~~
Greek
- 1125 May 18, 1935, #2 Athens, 1st 1/3 3rd c. B.C.
Athens, 307-283 B.C. (owl r.)

Old IdentificationJ. Krol, 1971

- May 27, 1935, #1
Greek
- May 27, 1935, #2
Greek
- G-1189 May 27, 1935, #3
Athens, 287-263 B.C.
- May 28, 1935, #1
Greek
- 1194 May 28, 1935, #2
Athenian Imperial, I A.D.
- 11195 May 28, 1935, #3
Athens, 307-283 B.C.
- 1199 May 29, 1935, #1
Delos, Ath. cleruchy, after 166
- May 29, 1935, #2
Greek
- May 29, 1935, #3
Disintegrated
- May 29, 1935, #4
Athens, 3rd c. B.C.
- May 30, 1935, #1
Disintegrated
- May 30, 1935, #2
Illegible
- 1203 May 30, 1935, #3
Megara, 307-243 B.C.
- May 30, 1935, #4
Athens, 3rd c. B.C.
- May 30, 1935, #5
Greek
- May 31, 1935, #1
Disintegrated
- May 31, 1935, #2
Greek
- missing June 1, 1935, #1
Athens, NS, 229-30 B.C.
- 1220 June 1, 1935, #2
Locris, 369-338 B.C.
- June 1, 1935, #3
Disintegrated
- June 1, 1935, #4
Illegible
- June 1, 1935, #5
Greek
- June 1, 1935, #6
Greek
- 1224 June 3, 1935, #1
Ptolemy I, 305-284 B.C.
- June 3, 1935, #2
?
- 1225 June 3, 1935, #3
Athens, 307-283 B.C.
- June 3, 1935, #4
Disintegrated

BC

Prob. Athens, 1st 1/3rd 3rd c
(owl r.?)Athens imperial, 2nd c. A.D. but
very worn and therefore circulated
until 3rd c. A.D.Athens, 1st 1/3 3rd c. BC
(owl r.)Athens (or Delos), 85-30 B.C.
(Athena/bow and quiver)

Megara, 1st half 3rd c. BC

Locris, 4th c. B.C.

Old ident prob. OK; anyway Ptolemy
I or II.Athens, 1st 1/3 3rd c. B.C.
(owl r.)

Old IdentificationJ. Kroll, 1971

G-1238 June 4, 1935, #1
Disintegrated
June 4, 1935, #2
Greek
June 4, 1935, #3
Illegible
June 5, 1935, #1
Greek
June 5, 1935, #2
Greek
June 5, 1935, #3
Greek
June 5, 1935, #4
Athens, 287-263 B.C.
June 5, 1935, #5
Greek
~~June 5, 1935, #5~~
~~Greek~~
June 5, 1935, #6
Athens, 3rd c. B.C.
June 5, 1935, #7
Greek
June 5, 1935, #8
Disintegrated
June 7, 1935, #14
Disintegrated
June 7, 1935, #15
Athens, 3rd c. B.C.
June 7, 1935, #16
Athens, 3rd c. B.C.
June 7, 1935, #17
Illegible
June 7, 1935, #18
Athens, 3rd c. B.C.
June 8, 1935, #2
Disintegrated
June 8, 1935, #3
Disintegrated

Prob. Eleusis, last 1/3 4th c/-
~~xxx~~ 1st 1/3 3rd c. B.C.

100/K0 = E 15:3 (Coins give date of ca. 1st or 2nd decade 1st c.AD)

G-1089	May 14, 1935, #17	Valentinian I, 364-375 A.D.	Old ident OK
1149a	May 21, 1935, #1	Athens, NS, 229-30 B.C.	Athens, time of Augustus (Owl on prow)
1150a	May 21, 1935, #2	Athens, NS, after 30 B.C.	Athens, time of Augustus (Owl on amphora, cicada)
1149b	May 21, 1935, #3	Athens, NS, 229-30 B.C.	Athens, time of Augustus (Owl on pro prow, wheatear)
	May 21, 1935, #4	No coin	
1150b	May 21, 1935, #5	Athens, NS, after 30 B.C.	Athens, time of Augustus (Owl on amphora, cicada)
1161	May 22, 1935, #4	Athens, NS, after 164 B.C.	CUT IN HALF Athens, ca. 40-30 B.C.
	May 22, 1935, #5	Greek	(Parthenos/tripod)

NB. All Augustan coins in E15:3 are in a relatively uncirculated condition.

Old Identification

J. Kroll, 1971

G-1172	May 24, 1935, #1	Athens, time of Augustus
	Athens, NS, 229-30 B.C.	(Parthenos/Athena advancing)
-1200	May 29, 1935, #5	Athens, time of Augustus
	Athens, NS, 229-30 B.C.	(Owl on prow, wheatear)
	May 29, 1935, #6	
	Greek	
	May 29, 1935, #7	
	Disintegrated	
-1200	May 30, 1935, #6	Athens, time of Augustus
	Athens, NS, early I B.C.	(Demeter/Poppy and corn ears)
		Sv. 104.37ff)
	95/K6 = E 14.3 (The many coins suit a closing date in second quarter of 1st cent B.C.)****	
G-1036	May 10, 1935, #1	Prusias II, 183-149BC
	Prusias II, Bithynia,	
	183-149 B.C.	
-1037	May 10, 1935, #2	Athens, shortly after 86 BC
	Athens, NS, ca. 105 B.C.	(Owl on amphora, no symbol)
-1038	May 10, 1935, #3	Athens, 85-ca. 50 B.C.
	Athens, NS, ca. 50 B.C.	(Triptolemos/2 grainears)
-1039	May 10, 1935, #4	Athens, 1st half 2nd c. B.C.
	Athens, NS, 229-30 B.C.	(Fulminating Zeus, eagle)
-1040	May 10, 1935, #5	Athens, 85-ca. 50 B.C. cornucopia
	Athens, NS, 110-100 B.C.	(Owl on amphora, symbol?)
-1041	May 10, 1935, #6	Athens, 85-ca. 50 B.C.
	Delos, Ath. cleruchy, after 166	(Apollo/amphora)
-1042	May 10, 1935, #7	Athens, 2nd half 2nd c. B.C.
	Athens, after 261 B.C.	(Zeus/Athena fighting)
-1043	May 10, 1935, #8	Athens, 85-ca. 50 B.C.
	Athens, NS, ca. 60 B.C.	(Owl on amphora, poppy, ears)
-1044	May 10, 1935, #9	Athens, shortly after 86 B.C.
	Athens, NS, ca. 105 B.C.	(Owl on amphora, no symbol)
-1045	May 10, 1935, #10	Athens, 85-ca. 50 BC
	Athens, NS, ca. 125 B.C.	(Demeter/Triptolemos)
-1053	May 11, 1935, #1	Athens, ca. 104-100 BC
	Athens, NS, ca. 110-100 B.C.	(Fulminating Zeus, 2 pilei)
-1054a	May 11, 1935, #2	Athens, 85-ca. 50 B.C.
	Delos, Ath. cleruchy, after 166	(Apollo/cornears)
-1054b	May 11, 1935, #3	
	Greek	
-1055	May 11, 1935, #4	Athens Thebes, 4th-3rd c. BC
	Thebes, ca. 315-288 B.C.	
-1056	May 11, 1935, #5	Athens, 85-ca. 50 B.C.
	Athens, NS, ca. 125 B.C.	(Demeter/Triptolemos)
-1056	May 11, 1935, #6	
	Greek	
-1057a	May 11, 1935, #7	Athens, 86 B.C., star & crescents
	Athens, NS, ca. 88 B.C.	(Fulminating Zeus, star & crescents)
-1057b	May 11, 1935, #8	Ibid. 1057a
	Athens, NS, ca. 88 B.C.	
-1054b	May 11, 1935, #9	Athens, 85-ca. 50 B.C.
	Delos, Ath. cleruchy, after 166	(Apollo/cornears)
-1058	May 11, 1935, #10	Athens, 85-ca. 50 B.C.
	Delos, Ath. cleruchy, after 166	(Apollo/cicada)
-1059	May 11, 1935, #12	Athens, 85-ca. 50 B.C.
	Delos, Ath. cleruchy, after 166	(Apollo/cornears)

***NB Deposit E 14:3. All of the post-86 BC coins in this deposit show up in a small hoard from Delos, which probably was buried in 69 B.C. Hence it is probable that the latest coins in this deposit belong to late 80s and

Old Identification

J. Kroll, 1971

- | | | |
|---------|---|---|
| G-1063 | May 13, 1935, #1
Euboea, 369-336 B.C. | Euboea, 4th c. BC |
| -1064 | May 13, 1935, #2
Delos, Ath. cleruchy, after 166 | Athens, 85-ca. 50 BC
(Apollo/cornears) |
| | May 13, 1935, #3
Illegible | |
| -1065 | May 13, 1935, #4
Athens, 283-261 B.C. | Athens, 3rd 1/4 3rd c. BC
(Owl r. w. amphora) |
| | May 13, 1935, #5
Greek | |
| | May 13, 1935, #6
Greek | |
| xx1066x | May 13, 1935, #7
Athens, NS, 229-30 B.C. | |
| -1066 | May 13, 1935, #8
Athens, NS, 229-30 B.C. | Athens, 2nd c. to 86 B.C.
(2 owls on thunderbolt) |
| -1067 | May 13, 1935, #9
Delos, Ath. cleruchy, after 166 | Athens, 85-ca. 50 BC
(Apollo/cornears) |
| -1068 | May 13, 1935, #10
Delos, Ath. cleruchy, after 166 | Athens, 85-ca. 50 B.C.
(Apollo/cicada) |
| | May 13, 1935, #11
Athens, NS, 229-30 B.C. | |
| -1080 | May 14, 1935, #1
Athens, NS, ca. 105 B.C. | Athens, shortly after 86 BC
(Owl on amphora, no symbol) |
| -1081 | May 14, 1935, #2
Athens, after 261 B.C. | Athens, 2nd c. to 86 BC
(Fulminating Zeus) |
| -1082 | May 14, 1935, #3
Troezen, 300-240 B.C. | Troezen, 4th c. BC |
| -1083 | May 14, 1935, #4
Athens, 283-261 B.C. | ?Non-Athenian (Zeus/Athens
Promachos) more study
needed |
| | May 14, 1935, #5
Greek | |
| -1084 | May 14, 1935, #6
Athens, ca. 255-229 B.C. | Athens, 85-50 ca. 50 B.C.
(Apollo/Artemis w. torch)
unworn |
| | May 14, 1935, #7
Greek | |
| -1085 | May 14, 1935, #8
Delos, Ath. cleruchy, after 166 | Athens, 2nd c. to 86 B.C.
(Cicada/owl) |
| | May 14, 1935, #9
Illegible | |
| -1086 | May 14, 1935, #10
Delos, Ath. cleruchy, after 166 | Athens, 85-ca. 50 BC
(Apollo/cornears) |
| -1087 | May 14, 1935, #11
Delos, Ath. cleruchy, after 166 | Athens, 85-ca. 50 BC
(Apollo/XXXX cicada) |
| | May 14, 1935, #12
Disintegrated | |
| | May 14, 1935, #13
Greek | |
| | May 14, 1935, #14
No coin | |
| | May 14, 1935, #15
Greek | |
| -1088 | May 14, 1935, #16
Athens, NS, ca. 50 B.C. or earlier | Cannot identify; very worn.
Possibly not Athenian.
Dolphin-trident counter-
mark (?) |

Old Identification

J. Kroll, 1971

G-1098	May 15, 1935, #1 Antigonus Gonatas, 277-239 B.C.	Antigonus ^G onatas (very worn)
	May 15, 1935, #2 Illegible	
-1099	May 15, 1935, #3 Thessalonica, 187-40 B.C.	Old ident OK??
-1100	May 15, 1935, #4 Athens after 261 B.C.?	Illegible Greek
	May 15, 1935, #5 Disintegrated	
	May 15, 1935, #6 Greek	
-1101	May 15, 1935, #7 Athens, 227-263 B.C.	Prob. Eleusis, late 4th c. or 1st xxx third 3rd c. B.C.
	May 15, 1935, #8 Disintegrated	

Gamma Shaft 102/AA. E 15:4

Hell. fill over bedrock at 102/AA: probably part of same fill as that in shaft itself.

Old Identification

J. Kroll, 1971

G-1472

June 27, 1935, #1
Athens, NS, 229-197 B.C.

Athens, 2nd c. BC
(Fulminating Zeus, with eagle)
WORN

Shaft

No coins listed.

Gamma Unfinished Well 41/NB-NF. F 19:3

Old Identification

J. Kroll, 1971

GG-180

May 2, 1939, #1
Athens, 330-300 B.C. or later

? Athens, last 1/3 4th c. BC
(? 2-bodied owl)

~~May 2, 1939, #2~~
~~Athens, III B.C.~~

~~May 2, 1939, #3~~
~~Athens, III B.C.~~

Gamma Well 51/MET. F 19:6

Fill 1

-225

May 11, 1939, #6
Chios, after 84 B.C.

Chios, 1st c. B.C.?

Delta Underground Drains at W. end of section. K-L 18-20:1

Old Identification

J. Kroll, 1971

DD-37

May 9, 1940, #1
Athens, 330-307 B.C.

? Athens, 307 - ca. 300 BC
(Owl 1. ?)

~~May 9, 1940, #2~~
~~Athens, III B.C.~~

-38

May 9, 1940, #3
Athens, 330-300 B.C. or later

Illegible Greek

~~May 9, 1940, #4~~
~~Disintegrated~~

~~May 9, 1940, #5~~
~~Greek~~

~~May 10, 1940, #6~~
~~Athens, III B.C.~~

Delta Cistern 61/B. N 21:9

No coins.

Delta Komos Cistern 66/K. M 21:1 ON THESE COINS SEE ATTACHED

~~May~~ 14, 1947

Delta-71. #2. Prob. Athens, III B.C. Prob. Athens 3rd c. BC

KOMOS CISTERN (M 21:1) COINS (JHK 1971)

1947

- May 14 DD-71 Greek (prob. Athens 3rd c. BC)
72 Histiaea tetrobol, buried after 168 (see attached)
73 Greek (prob. Athens 2nd c. BC)
74 Athens, first third 3rd c. BC (owl r.)
- May 15 75 Greek
76 Athens, late 4th-first third 3rd c. BC (? 2 owls in wreath)
77 Athens, late 4th-first third 3rd c. BC (2 owls in wreath)
- May 16 78 Greek (prob. Athens 3rd c. BC)
79 Athens, late 4th-first third 3rd c. BC (2 owls in wreath)
80 Athens, ca. 200 BC ~~XXXX~~ (+ or -) (kernos/kernos on triobol owl)
81 Athens, last quarter 3rd c. BC (Demeter/kernos with owl)
82 Ptolemaic (Ptolemy II?), 3rd c. BC (very worn)
- May 17 83 Three coins, Greek (prob. Athens 3rd-2nd c. BC)
(one prob cicada/amphora, 2nd c. BC)
84 Athens, first three quarters 2nd c. BC (Fulminating Zeus with eagle)
- May 19 85 Greek (prob. Athens, last third 4th c. BC--2-bodied owl)
- May 20 86 Athens, first third 3rd c. B.C. (owl r. in wreath)
- May 21 87 Athens, 2nd c. B.C. (Fulminating or standing Zeus)
OR
Antigones Gonatas, 277-235 BC
- May 24 88 Greek
- June 19 89 Athens, first third, 3rd c. B.C. (owl r. in wreath)
- June 21 90-96 Seven Histiaean tetrobols found stuck together,
buried after 168, see attached.
97 Athens, first third, 3rd c. B.C. (owl in wreath)
98 Athens, first three quarters 2nd c. BC (Fulminating Zeus with eagle)
99 Athens, last quarter 3rd c. BC (Demeter/kernos)
~~99 Athens, last quarter 3rd c. BC (Demeter/kernos)~~
- June 23 100 Greek, prob. Athens late 4th-first third 3rd c. BC)

NOTE ON THE EIGHT HISTIAIAN TETROBOLS FOUND IN THE KOMOS CISTERN
(JHK 1971)

I have not had an opportunity to study these coins properly, but the full tetrobol series has been studied in depth by the late W. P. Wallace, who has communicated his thoughts in a letter to VRG (Sept. 7, 1949). An article which Wallace later published in NC 1962 shows that his earlier convictions were only strengthened by later study.

In the letter and article he concluded:

1. That the tetrobol series began in the latter part of the 3rd cent. B.C. but continued probably to 146.
2. That the chronology of the series is most accurately pinpointed in several issues dating from 179-168 BC and that these particular issues are about midway in the full series.
3. That the Komos cistern hoard was deposited "considerably after 170 (i.e. 168, JHK) say 160-170 BC." This last statement is based on an assessment of the particular issues represented in the hoard and their ~~relative~~ wear (which is considerable). He points out that similar issues in similar condition are known from another hoard believed to date very roughly about 150 BC.

Now it is true that the Komos hoard was found close to the top of the "pottery-bearing" deposit in the cistern and that it could therefore be an intrusion. But numismatically there is evidence for thinking that it is not. This evidence comes from the latest Athenian coins in the deposit, DD-84 and DD-98, both of which belong to the Fulminating Zeus New Style bronze series which began in 196 or one or two decades later and affirm that the deposit is a second century one. (DD-83a and 87 ~~xxx~~ may be 2nd cent. coins also, but their identification is not certain). *

Unfortunately DD-84 and 98 do not tell us how far down in the second century we are. They require a date in the first quarter at the earliest and may very well come down into the second quarter, where Wallace places the deposit of silver tetrobols.

Note that Fulminating Zeus New Style bronzes are also the latest Hellenistic coins in the 1971 section Omega cistern, there occurring with a Cicada/amphara coin, * another New Style fraction which began to be struck in the (first or) second quarter of the second century.

* See "Thoughts on Chronology" at front of this coin list

- DD-44 May 10, 1940, #1 Athens, NS, ca. 172 B.C. Athens, (ca. 200 BC (+ or - ?))
(Zeus holding thunderbolt)
- 45 May 10, 1940, #2 Athens, after 261 B.C. Athens, end of 3rd-beg. of 2nd c. BC
(Owl r. on thunderbolt)
- 46 May 10, 1940, #3 Athens, 307-283 B.C. Athens, late 4th-1st 1/3 3rd c BC
(2 owls in wreath, kalathos)
- 47 May 10, 1940, #4 Athens, after 261 B.C. Athens, ~~end of 3rd beg.~~ of 2nd c. B.C.
(Owl r. on thunderbolt)
- 48 May 10, 1940, #5 Athens, after 261 B.C. Athens, ~~end of 3rd beg.~~ of 2nd c. BC
(Owl r. on thunderbolt)
- ~~May 11, 1940, #1~~
Greek
- 49a May 11, 1940, #2 Athens, NS, 229-30 B.C. Illegible Greek
- 49b May 11, 1940, #3 Athens, NS, 229-30 B.C. Illegible Greek
- 50 May 11, 1940, #4 Eleusis, money in name of Eleusis (Pig, ivy-leaf symbol)
- 51 May 13, 1940, #4 Athens, 307-283 B.C. Athens late 4th-1st 1/3 3rd c. BC
(2 owls with kernos or kalathos)
- 54 May 14, 1940, #1 Athens, 330-300 B.C. or later Athens 4th-3rd c. BC
(type?)
- ~~May 15, 1940, #1~~
Greek
- ~~May 15, 1940, #2~~
Athens, 3rd c. B.C.
- 58 May 15, 1940, #3 Prob. Myrina, Lemnos, 3rd c. BC
Eleusis, money in name of Athens ? (Facing owl)
- ~~May 15, 1940, #4~~
Athens, 3rd c. B.C.
- ~~May 15, 1940, #5~~
Greek
- 59 May 15, 1940, #6 Prob. Athens, last 1/3 4th c. BC
Athens, 330-300 B.C. or later (? 2-bodied owl)
- ~~May 17, 1940, #1~~
Athens, 3rd c. B.C.
- ~~May 17, 1940, #2~~
Athens, 3rd c. B.C.
- 63 ~~May 17, 1940, #3~~ Athens, last quarter 3rd c. BC
~~Athens, 3rd c. B.C.~~ (Athena with patera)
- ~~May 17, 1940, #4~~
Methone, Ath. cleruchy, 255-229 B.C.
- ~~May 17, 1940, #5~~
Greek

EE Cistern 53/E. Nxt N 21:4

Mouth and Upper Passage

- EE-60 V.5.39, #1
Greek, probably Delos,
Ath. cleruchy, after 166
-77 V.9.39, #10
Athens, NS, ca. 88 B.C.
-78 -----, #11
Cyrenaica, under the
Romans, 67-24 B.C.
V. 12.39, #4
Disintegrated

J. Kroll, 1971

Greek illegible
Athens, 86 BC crescents
(Fulminating Zeus, star and,
Old ident OK (coin very worn)

Upper Fill

- 73 V.9.39, #4
Athens, NS, Class XII,
229-30 B.C.
-75 -----, #6
Athens, NS, 229-30 B.C.
-76 -----, #8
Chalcis, 196-146 B.C.
-80 V.10.39, #2
Delos, Ath. cleruchy,
after 166
~~x87 V.11.39, #3~~
Athens, NS, 229-30 B.C.
~~V.12.39, #3~~
-87 V.12.39, #3
Athens, NS, 229-30 B.C.
-89 V.13.39, #1
Athens, NS, 229-30 B.C.
-97 V.16.39, #1
Athens, NS, 229-197 B.C.

Athens, time of Augustus
(Owl on prow, corn ears)

Athens, 2nd c. to 86 BC
(Fulminating Zeus)

Chalcis

Athens, 2nd-1st c BC
(Cicada/?)

Greek illegible
? Athens, ~~New Style~~ 2nd-1st BC
(? New Style)
Athens, first half 2nd c. BC
(Fulminating Zeus, star,
eagle)

Lower Fill

- 71 V.9.39, #1
Athens, 330-300 B.C. or later
-72 -----, #2
Athens, 330-300 B.C. or later?
-----, #3 ?
Athens, 3rd c. B.C.
-74 -----, #5
Athens, NS, 307-283 B.C.
-----, #7 ?
Athens, 3rd c. B.C.
-----, #9 ?
Athens, 3rd c. B.C.
-79 V.10.39, #1
Athens, 330-300 B.C.
V.11.39, #1 ?
Athens, 3rd c. B.C.
-----, #2 ?
Athens, 3rd c. B.C.
-85 V.12.39, #1
Athens, 307-283 B.C.

Athens, last 1/3 4th c BC
(2-bodied owl)

Athens, last 1/3 4th c. BC
(2-bodied owl)

Athens, ~~1st~~ 1st 1/3 3rd c. BC
(type?)

Greek illegible

Greek illegible.

- EE-86 V.12.39, #2 Athens, 1st 1/3 3rd c BC
Athens, 307-283 B.C. (reverse type?)
-90 V.13.39, #2 Greek illegible
Athens, 330-300 B.C.
-91 V.15.39, #1 Myrina, (4th?)-3rd c. BC
Myrina, Lemnos, 307-300 B.C. (facing owl)
-92 -----, #2 Athens, 1st 1/3 3rd c. BC
Athens, 307-283 B.C. ~~xxxxxxx~~ (type?)
-93 -----, #5 ~~xxxxxxx~~ Athens, 307-ca. 300 BC
Athens, 307-283 B.C. Greek illegible (owl 1.?)
-98 V.16.39, #2
Athens, NS, 229-197 B.C.
-99 -----, #4 Athens, 1st 1/3 3rd c. BC
Athens, 307-283 B.C. (reverse type?)

Z and B, Filling of Middle Drain. H ~~xxxx~~ 12:1
(Coins suggest date in 3rd or 4th quarter of 2nd c BC) [See attached note]

- Z-2723 Z VI.2.37, #1 Athens, 2nd c. BC (prob. after 166)
Delos, Ath. cleruchy (Apollo/kernos)
after 166
-2726a VI.4.37, #1 Greek illegible
Athens, 3rd c. B.C.
-2727 -----, #2 Athens, 2nd c. BC
Delos, Ath. cleruchy (Cicada/amphora)
after 166
-2728 -----, #3 Athens, ~~end of 3rd c.~~ 2nd c. BC
Athens, after 261 B.C. (Owl r. on thunderbolt)
-2729 -----, #4
Athens, 307-283 B.C.
-2726b -----, #5 Athens, late 4th c. BC
Athens, 3rd c. B.C. (2 owls in wreath)
Greek illegible
-----, #6
Disintegrated
-----, #7
Disintegrated
-2726c -----, #8 Greek illegible
Athens, 3rd c. B.C.
-2726d -----, #9 Greek illegible
Athens, 3rd c. B.C.
-2730 -----, #10 Athens, 2nd c. BC
Eleusis, money struck in (Kernos/kalathos in wreath)
name of Athens
-2731a -----, #11 Greek illegible
Greek
-2732 -----, #12 Athens, 1st quarter, 3rd c. BC
Athens, 307-283 B.C. (Owl r. in corn wreath)
-2733 -----, #13 Athens, lost third 3rd c. BC
Athens, 330-307 B.C. (Owl r.)
-2734 -----, #14 Greek illegible
Eleusis, money in name
of Eleusis?
-2731 b FF-----, #15 Greek illegible
Greek
-2735 -----, #16 Myrina, 3rd c. BC
Myrina, Lemnos, 307-300 B.C. (facing owl)
-2736 -----, #17 Athens, third quarter, 3rd c. BC
Athens, 283-261 B.C. (owl r. with amphora)
-2737 -----, #18 Athens, 1st half 2nd c. BC (prob 2nd 1/4)
Athens, NS, 229-30 B.C. (Fulminating Zeus, eagle,
cornucopiae)

Deposit H:12 Note on Coins (JHK 1971)

The deposit contains a great number of coins, which, as deposit coins go, are quite a consistent lot, running from ^{the} later 4th cent. to 2nd cent. BC New Style. Significant, none of the "New Style" coins belongs to the series that began after 86 BC; and ~~in fact~~ indeed, except for one Athenian imperial, none of the coins need be later than ca. 150 B.C. (say ~~that~~ at the outside earliest) or ca. 100 B.C. (at the outside latest).

The exception (Z-2748) is definitely an Athenian imperial, belonging to the late 1st c. ~~BE~~ or early 2nd c. AD. One must assume, I believe, that it is an anomalous intrusion, especially since there are no post-86 BC New Style coins to go with it, as there ~~would~~ would certainly be if the deposit was open after 86.

HAT's tally of coins from this deposit (Hesperia, Suppl. IV, p. 119) mentions four Athenian imperials, but two of these (Z2790 and 2864) are ~~infinitely~~ definitely not imperials and the third (Z-2776) is mostly illegible and at best can be said to be only "possibly ~~an~~ imperial". In effect, it should be considered illegible Greek.

Z-2738	Z	VI.4.37, #19 Euboea, 196-146 B.C.	Euboea or Athens (Demeter/pig) 2nd c. BC
		VI.5.37, #1 - #2 Disintegrated	
-2739a		-----, #3 Athens, 3rd c. B.C.	Illegible Greek
b		-----, #4 Athens, 3rd c. B.C.	" "
c		-----, #5 Athens, 3rd c. B.C.	" "
d		-----, #6 Athens, 3rd c. B.C.	" "
-2740		-----, #7 Antigonos Gonatas, 277-239 B.C. (very worn)	Antigonos Gonatos
		-----, #8 Illegible	
-2741		-----, #9 Athens, NS, 229-197 B.C. (Poseidon stg. 1.)	Boeotia, ca. 200-197 BC
-2742a		-----, #10 Greek	Greek illegible
-2743		-----, #11 Delos, Ath. cl., after 166 (Zeus/kernos)	Athens, 2nd c. BC
		-----, #12 Disintegrated	
-2742b		-----, #13 Greek	Greek illegible
-2744		VI.7.37, #1 Elsuas, money in name of Athens	Athens, 2nd c. BC (Kernos/kalathos in wreath)
-2745a		-----, #2 Greek, probably Athens, 3rd c. B.C.	Greek illegible
-2745b		-----, #3 Greek, probably Athens, 3rd c. B.C.	" "
-2746		-----, #4 Cassander, 316-297 B.C.	Cassander, 316-297 BC
		-----, #5 - #6 Disintegrated	
-2747a		-----, #7 Athens, 3rd c. B.C.	
-2748		-----, #8 Athenian Imperial (Augustan Era)	Athens imperial, late 1st-early 2nd c. A.D.
-2749		-----, #9 Athens, 307-283 B.C.	(owl l., AOH) Athens, late 4th-early 3rd c. BC
*2747bx		-----, #10 Not a coin	(2 owls)
-2747b		-----, #11 Athens, 3rd c. B.C.	Greek illegible
-2750		-----, #12 Athens, 307-283 B.C.	Athens, 2nd quarter 3rd c. BC (owl r. with symbol)
		VI.8.37, #1 Not a coin	
-2751		-----, #2 Greek	Greek illegible
-2752		-----, #3 Athens, 307-283 B.C.	Athens, late 4th-early 3rd c. BC (2 owls)

- Z-2753 Z VI.8.37, #4 Eleusis, money in name of Athens Eleusis, last 1/3 4th-first 1/3 3rd c. (pig) ~~xxxx~~
- 2754 VI.9.37, #1 Greek illegible
- VI.11.37, #1 Disintegrated
- 2757 -----, #2 Greek illegible
- Greek
- 2763a VI.14.37, #1 Greek illegible
- Athens, NS, 229-30 B.C.
- 2764a -----, #2 Greek illegible
- Athens, 3rd c. B.C.
- , #3 Disintegrated
- , #4 Illegible
- , #5 Disintegrated
- 2764b -----, #6 Greek illegible
- Athens, 3rd c. B.C.
- 2763b -----, #7 Greek illegible
- Athens, NS, 229-30 B.C.
- 2765 -----, #8 Non-Athenian, uncertain ident. needs further study
- Greek, ~~pro~~ possibly Aetolian League, 279-168 B.C.
- , #9 Ring
- 2766a -----, #10 Athens, 307-ca. 300 BC
- Athens, 3rd c. B.C. (Owl l.)
- 2768 -----, #11 Delos, before 166 BC
- Delos, autonomous coinage, (Apollo/lyre)
- 3rd or 2nd c. B.C.
- 2768 -----, #12 Athens, end of 3rd-beg. of 2nd c. BC
- Athens, after 261 B.C. (owl r. on thunderbolt)
- 2766b -----, #13 Greek illegible
- Athens, 3rd c. B.C.
- 2766c -----, #14 Greek illegible
- Athens, 3rd c. B.C. (or early 2nd c.?)
- 2769 -----, #15 Athens, last 1/4 3rd c. BC /
- Eleusis, Ath. cleruchy, (Zeus/amphora over Demeter/kern)
- 255-229 B.C.
- 2766d -----, #16 Greek illegible
- Athens, 3rd c. B.C.
- 2770 -----, #17 Athens, list 1/4 3rd c. BC
- Athens, 307-283 B.C. (Owl r. in corn wreath)
- 2771a VI.15.37, #1 Greek illegible
- Athens, 3rd c. B.C.
- 2772 -----, #2 Athens, last 1/3 4th c. BC
- Athens, 330-300 B.C. or later (2-bodied owl)
- 2771b -----, #3 Greek illegible
- Athens, 3rd c. B.C.
- 2773a -----, #4 Athens, First three quarters 2nd c. BC
- Athens, NS, 229-30 B.C. Fulminating Zeus with eagle
- 2771c -----, #5 Greek illegible
- Athens, 3rd c. B.C.
- 2771d -----, #6 Greek illegible
- Athens, 3rd c. B.C.
- 2773b -----, #7 Greek illegible
- Athens, NS, 229-30 B.C.

- Z-2773c Z VI.15.37, #8 Athens, NS, 229-30 B.C. Greek illegible
- 2774 -----, #9 Athens, 2nd c. BC
Delos, Ath. cleruchy, (Cidada/amphora)
after 166
- 2775 -----, #10 Athens or Delos, 2nd or 1st c. BC
Delos, Ath. cleruchy, (?head/uncertain reverse)
after 166
- 2776 -----, #11 Uncertain ident., (only possibly
Athenian Imperial, late 1st-early
fractional issue early 2nd c. A.D.)
- ~~-----, #12~~
Illegible
- ~~-----, #13~~
Disintegrated
- ~~-----, #14~~
Lead Seal
- 2777a -----, 15 Athens, last 1/3 4th c. BC
Athens, 330-300 B.C. or later (2-bodied owl)
- 2777b -----, #16 Ibid. 2777b
Athens, 330-300 B.C. or later
- 2778 -----, #17 Athens, 1st 1/3 3rd c. BC
Athens, 307-283 B.C. (Owl r.)
- 2779 -----, #18 Greek illegible
Eleusis, money struck
in name of ?
- 2780a -----, #19 " "
Athens, 3rd c. B.C. " "
- b -----, #20 " "
Athens, 3rd c. B.C. " "
- c -----, #21 " "
Athens, 3rd c. B.C. " "
- ~~II.19.38, #1~~
Greek
- 2787a -----, #2 Athens, 1st 1/3 3rd c. BC
Athens, 330-300 B.C. or later? (Owl r.)
- , #3
Athens, 330-307 B.C.?
- 2787b -----, #4 Ibid. 2787a
Athens, 330-300 B.C. or later?
- 2789 II.21.38, #1 Athens, 2nd c. B.C.
Eleusis, money in name of (Kernos/kalathos in wreath)
Athens
- 2790 -----, #2 Athens, 1st 1/3 3rd c BC
Athenian Imperial, fractional (owl r.)
issue (Augustan Era)
- 2791 -----, #3 Athens, end of 3rd beg. 2nd c. BC
Athens, after 261 B.C. (Owl r. on thunderbolt)
- 2792 II.22.38, #1 Athens, 1st 1/3 3rd c. BC
Athens, 307-283 B.C. (Owl r.)
- ~~-----, #2~~
Athens, NS, 229-30 B.C.?
- 2793 -----, #3 Greek illegible
Athens, 307-283 B.C.
- 2794 -----, #4 Athens, ca. 200 BC + or -
Athens, NS, 229-197 B.C. (Zeus holding thunderbolt, w. owl)
- 2795 -----, #5
Methone, Ath. cleruchy, Now disintegrated, but with Zeus
255-229 B.C. head obverse, therefore last
1/4 3rd c BC

- Z-2796 Z II.22.38, #6 Athens, ^{2nd two?} 1st three quarters 2nd 6. BC
Athens, NS, 229-197 B.C. (Fulminating Zeus with eagle)
- 2797 -----, #7 Athens, 1st 1/3 3rd c BC
Athens, 307-283 B.C. (Owl r.)
- 2798 -----, #8 Athens, 2nd c. to 86 BC
Athens, NS, 229-30 B.C. (Zeus fulminating or standing)
- ~~x2799~~ -----, #9
?
- 2799 -----, #10 Athens, ^{prob 2nd quarter} first half 2nd c BC
Athens, NS, ca. 88 B.C. (Fulminating Zeus, eagle, cornucopiae)
- 2800 -----, #11 Greek illegible
Athens, 330-300 B.C. or later?
- , #12
Athens, 3rd c. B.C.
- 2801 -----, #13 Athens 2nd 1/4 3rd c BC
Athens, 307-283 B.C. (Owl r. with symbol)
- , #14
Athens, 3rd c. B.C.
- 2802 -----, #15 Athens, 2nd c. BC
Eleusis, money in name of Athens (Kernos/kalathos in wreath)
- , #16
Athens, 3rd c. B.C.
- 2803 -----, #17 Athens, ~~2nd~~ 2nd 1/4 3rd c. BC
Athens, 307-283 B.C. (Owl r. with ~~symbol~~ cornucopiae)
- , #18
Athens, 3rd c. B.C.
- 2804 -----, #19 Delos, before 166
Delos, autonomous money (Apollo/lyre)
before 166 B.C.
- , #20
Greek
- , #21
Greek
- 2805 -----, #22 Athens, ^{1st quarter} end of 3rd-early 2nd c. BC
Athens, after 261 B.C. (Owl r. on thunderbolt)
- 2806a -----, #23 Athens, 2nd c. BC
Delos, Ath. cleruchy, (Cicada/amphora)
after 166 B.C.
- 2806b -----, #24 Athens, ^{2nd c BC} (Cicada/amphora)
Delos, Ath. cleruchy,
after 166 B.C.
- 2807a -----, #25 Greek illegible
Athens, 330-300 B.C. or later
- 2808 -----, #26 Athens, 2nd 1/4 3rd c. BC
Athens, 307-283 B.C.? (Owl r. with symbol)
- 2807b -----, #27 Greek illegible
Athens, 330-300 B.C. or later?
- , #28
Athens, 3rd c. B.C.
- , #29
Illegible
- 2809 -----, #30 Athens, 1st 1/3 3rd c. BC
Athens, 307-283 B.C. (Owl r. in wreath)
- , #31
Greek
- 2807c -----, #32 Greek illegible
Athens, 330-300 B.C. or later?
- 2910 -----, #33 Athens, 2nd c. BC
Eleusis, money in name of Athens (Kernos/kalathos in wreath)

- Z-2811 Z II.22.38, #34 Athens, late 4th-1st 1/3 3rd c. BC
Athens, 307-283 B.C. (2 owls)
- 2807d -----, #35 Greek illegible
Athens, 330-300 B.C. or later
- 2812 -----, #36 Athens, 1st 1/3 3rd c. BC
Athens, 307-283 B.C. (Owl r. in wreath)
- 2813 -----, #37 Athens, 1st 1/3 3rd c. BC
Athens, 307-283 B.C. (Owl r. in wreath)
- 2822 V.25.38, #1 Athens, 2nd c. to 86 BC
Athens, NS, 229-30 B.C. (Fulminating Zeus, symbol?)
- 2923 -----, #2 Athens, first three quarters 2nd c.
Athens, NS, 229-30 B.C. (Fulminating Zeus with eagle)
- 2824 -----, #3 Athens, ca. 200(1/4 or -) BC (1st 1/4 2c)
Athens, NS, ca. 172 B.C. (Zeus holding thunderbolt, pro
-----, #4
Greek
-----, #5
Athens, NS, 229-30 B.C.
-----, #6
Athens, NS, 229-30 B.C.
-----, #7
Illegible
- 2825 -----, #8 Athens, 3rd 1/4 3rd c. BC
Athens, 283-261 B.C. (Owl r. with amphora)
- 2826 -----, #9 Athens, last 1/4 3rd c. BC
Athens, NS, 229-30 B.C. (Zeus/amphora, overstrike)
- 2827 -----, #10 Athens, last 1/4 3rd c. BC
Eleusis, money in name (Demeter/kernos, aplustre)
of Athens
- 2828 -----, #11 Athens, ca. 200 BC (+ or -)
Athens, NS, 229-197 B.C. (Zeus holding thunderbolt, owl)
- 2829 -----, #12 Athens, first three quarters 2nd c.
Athens, NS, 229-30 B.C. (Fulminating Zeus with eagle)
- , #13
Illegible
- 2830 -----, #14 Athens, 1st 1/3 3rd c. BC
Athens, 330-307 B.C.? (Owl r.)
-----, #15
Athens, NS, 229-30 B.C.?
- 2831 -----, #16 Athens, 1st 1/4 3rd c. BC
Athens, 307-283 B.C. (Owl r. in corn wreath)
- 2832 -----, #17 Athens, late 4th-first 1/3 3rd c. BC
Athens, 307-283 B.C. (2 owls)
- 2833 -----, #18 Greek illegible
Athens, 307-283 B.C.?
- 2834 -----, #19 Athens, 1st 1/4 3rd c. BC
Athens, 307-283 B.C. (Owl r. in corn wreath)
- 2835 -----, #20 Cnidus, 2nd-3rd c. BC
Cnidus, Caria, 300-190 B.C.
-----, #21
Greek
- 2836 -----, #22 Prob. Athens, 3rd-2nd c. BC
Athens, after 261 B.C.? (Attic helmet/owl 1.)
- 2837 -----, #23 Delos, before 166 BC
Delos, autonomous money, (Apollo/lyre)
before 166 B.C.
-----, #24
Greek

- ~~Z~~ ~~V.25.38, #25~~
Athens, 3rd c. B.C.
- ~~-----, #26~~
Athens, 3rd c. B.C.
- Z-2838 ~~-----, #27~~ Greek illegible
Athens, 330-307 B.C.
- ~~-----, #28~~
Athens, 3rd c. B.C.
- 2839 ~~-----, #29~~ Uncertain ident. Prob. non-Athenian
Eleusis, money in name
of Athens
- ~~-----, #30~~
Greek
- 2840 ~~-----, #31~~ Athens, late 4th-1st 1/3 3rd c. BC
Athens, 307-283 B.C. (?2 owls)
- 2841 ~~-----, #32~~ Athens, late 4th-1st 1/3 3rd c. BC
Athens, 330-307 B.C. (Owl l. or r.)
- ~~-----, #33~~
Greek
- 2842 ~~-----, #34~~ Boeotia, 4th c. BC
Boeotia, ca. 338-315 B.C. (Shield/trident)
- ~~-----, #35~~
Greek
- ~~-----, #36~~
Illegible
- 2843 ~~-----, #37~~ Athens, late 4th 1st 1/3 3rd c. BC
Athens, 307-283 B.C. (2 owls)
- ~~-----, #38~~
Athens, 3rd c. B.C.
- 2844 ~~-----, #39~~ Athens, 1st 1/3 3rd c. BC
Athens, 307-283 B.C. (Owl r.)
- ~~-----, #40~~
Athens, 3rd c. B.C.?
- ~~-----, #41~~
Illegible
- 2845 ~~-----, #42~~ Athens, late 4th/1st 1/3 3rd c. BC
Athens, 307-283 B.C. (2 owls)
- ~~-----, #43~~
Illegible
- 2846 ~~-----, #44~~ Athens, 1st 1/4 3rd c. BC
Athens, 307-283 B.C. (Owl r. AOH)
- 2847 ~~-----, #45~~ Athens, 1st 1/3 4th c. BC
Athens, 330-300 B.C. or later (2-bodied owl)
- 2848a ~~-----, #46~~ Athens, 1st 1/3 3rd c. BC
Athens, 307-283 B.C. (Owl r.)
- ~~-----, #47~~
Athens, 3rd c. B.C.
- 2849 ~~-----, #48~~ ? Athens, 3rd c. BC
Athens, 307-283 B.C.?
- 2848b ~~-----, #49~~ Athens, 1st 1/3 3rd c. BC
Athens, 307-283 B.C. (Owl r.)
- ~~-----, #50~~
Athens, 3rd c. B.C.
- 2850 ~~-----, #51~~ Athens, 2nd c. BC
Delos, Ath. cleruchy, (Cicada/amphora)
after 166
- ~~-----, #52~~
Athens, 3rd c. B.C.
- 2851 ~~-----, #53~~ ? Athens, 3rd c. BC
Athens, 330-307 B.C.?

- ~~Z V.25.38, #34~~
Greek
- ~~-----, #55~~
Lead seal?
- ~~-----, #56~~
Athens, 3rd c. B.C.
- ~~-----, #57~~
Disintegrated
- Z-2852 -----, #58 Athens or Delos, 2nd or 1st c. BC
Delos, Ath. cleruchy, (?Apollo/owl on amphora)
after 166 B.C.
- ~~-----, #59~~
Illegible
- 2853 -----, #60 Athens, 2nd c. BC
Eleusis, money in (Kernos-kalathos)
name of Eleusis
- ~~V.26.38, #1~~
Athens, 3rd c. B.C.
- 2854 -----, #2 Myrina, 3rd c. BC
Myrina, Lemnos, (Facing owl)
307-300 B.C.
- ~~-----, #3~~
Athens, 3rd c. B.C.
- 2855 -----, #4 Athens last 1/4 3rd c. BC
Eleusis, money in (Demeter/kernos overstrike)
name of Athens
- 2856 -----, #5 Athens, last 1/4 3rd c. BC
Athens, 255-229 B.C. (2 owls in late style)
- 2857 -----, #6 Antigonos Dason, 229-220 BC (or Gonatas?)
Antigonos Gonatas, 277-239 B.C. (Horse and rider)
- 2858 -----, #7 Athens 2nd c. BC or Ant. Gonatas
Athens, NS, ca. 88 B.C. (Corinthian helmet)
- 2859 -----, #8 Athens, 3rd 1/4 3rd c. BC
Athens, 283-261 B.C. (Owl w. amphora)
- 2860 -----, #9 Athens, last 1/3 4th c. BC
Athens, 330-300 B.C. or later (2-bodied owl)
- ~~-----, #10~~
Athens, 3rd c. B.C.
- 2861 -----, #11 Athens, last 1/3 5th c. BC
Athens, 330-300 B.C. or later (2-bodied owl)
- ~~-----, #12~~
Athens, 3rd c. B.C.
- ~~-----, #13~~
Athens, 3rd c. B.C.
- 2862 -----, #14 Athens, 1st 1/3 3rd c. BC
Athens, 307-283 B.C. (Owl r.)
- 2863 -----, #15 Athens, 2nd c. BC
Eleusis, money in name (Kernos/kalathos in wreath)
of Athens
- ~~-----, #16~~
Greek
- 2864 -----, #17 Prob. Athens, 3rd-2nd c. BC
Athenian ~~Impe~~ Imperial, (Owl l.)
Augustan Era
- 2865 V.28.38, #1 Athens, 1st 1/4 3rd c. BC
Athens, 307-283 B.C. (Owl r. in corn wreath)
- 2866 -----, #2 Athens, 1st 1/4 3rd c. BC
Athens, 330-307 B.C. (Owl r., AOH)
- 2867 -----, #3 Athens, 1st 1/4 3rd c. BC
Athens, 307-283 B.C. (Owl r., AOH)

Z-2868 Z V.28.38, #4 Athens, 1st 1/4 3rd c. BC
Athens, 307-283 B.C. (Owl r. in corn wreath)

~~#5~~
Disintegrated

~~#6~~
Athens, 3rd c. B.C.

B-539	B	IV.13.37, #2	Eleusis, late 4th-1st 1/3 3rd c. BC (Triptolemos/pig)
		Eleusis, money in name of Athens	
-540a		-----, #3	Greek illegible
		Greek	
	b	-----, #4	"
		Greek	
	c	-----, #5	"
		Greek	
-541a		IV.15.37, #1	"
		Greek	
	b	-----, #2	"
		Greek	
	c	-----, #3	"
		Greek	
-542a		-----, #4	Athens, (1st half 2nd c BC)
		Athens, NS, 229-30 B.C.	(Fulminating Zeus/eagle, star)
-543a		-----, #5	
		Athens, 3rd c. B.C.	Greek illegible
-543b		-----, #6	
		Athens, 3rd c. B.C.	Greek illegible
-542b		-----, #7	Athens, 2nd c. 86 86 BC
		Athens, NS, 229-30 B.C.	(Fulminating Zeus, ?symbol)
-542c		-----, #8	Athens, 2nd c. BC (Ful. Zeus) or
		Athens, NS, 229-30 B.C.	Antigonos Gonatas
-542d		-----, #9	Greek illegible
		Athens, NS, 229-30 B.C.	
-541d		-----, #10	"
		Greek	
	e	-----, #11	"
		Greek	
	f	-----, #12	"
		Greek	
	g	-----, #13	"
		Greek	
-544a		-----, #14	"
		Greek	
	b	-----, #15	"
		Greek	
	c	-----, #16	"
		Greek	
-545a		-----, #17	"
		Athens, 3rd c. B.C.	
-545b		-----, #18	"
		Athens, 3rd c. B.C.	
-544d		-----, #19	"
		Greek	
-546		-----, #20	Athens, last 1/3 4th c. BC
		Athens, 330-300 B.C. or later	(2-bodied owl)
-544e		-----, #21	Greek illegible
		Greek	

- Z Heavy Burnt Layer at 9/0. G 13:8 Coins agree with (suggest) date in 3rd or 4th quarter of 2nd c. Nothing later present.

- H Hellenistic Fill at 48-53/IB-IF. K 6-7:1

* 4 coins deposited together; all have been chopped in same strange way.

8 Middle Stoa Building Fill. H-K 12-14

List may not be complete

J. Kroll, 1971

- Th-148 Mar. 1, 1933, #13 #14 Athens, NS, 229-30 B.C. (Fulminating Zeus, eagle cornucopia)
- 155 ~~Mar. 2, 1933, #1~~ Athens, NS? ^{prob. 2nd quarter 2nd c}
- 240 ~~-----, #3~~ Athens, NS, 196-187 B.C. Ibid., Th-148
- 242 Mar. 9, 1933, #1 Athens, NS, ca. 172 B.C. Athens, ca. ± 200 B.C., ^{prob. 1st 1/4 2nd c.} (Zeus stg. with thunderbolt, prow)
- ~~-----, #3~~ Thessalian Confederacy, Old, ident, and date O.K. 196-146 B.C.
- ~~-----, #4a~~
- ~~Mar. 10, 1933, #2~~ Greek
- 285 Mar. 11, 1933, #5 Athens, 330-307 B.C. Athens, 307-ca. 300 B.C., (owl l. (AGH))
- ~~-----, #6~~ Greek
- ~~Mar. 14, 1933, #33~~ Athens, 3rd c. B.C.
- 314 Mar. 16, 1933, #1 Athens, NS, 229-30 B.C. Athens, 2nd c. B.C. (2 owls on thunderbolt)
- 329 Mar. 17, 1933, #5 Athens, 307-283 B.C. Athens, 1st 1/3 3rd. c. B.C. (owl r. in wreath)
- ~~-----, #6~~ Athens, 3rd c. B.C.
- ~~-----, #3~~
- 335 ~~-----, #26~~ Phocis, 371-357 B.C. Sikyon, ca. 300 B.C. (BMC, p. 49, 161) ^{prob. 2nd quarter 2nd c.}
- 376 Mar. 22, 1933, #20 Athens, NS, 196-187 B.C. Athens, 1st 1/2 2nd c. B.C. (Fulminating Zeus, eagle, cornucopia)
- ~~-----, #23~~ Greek
- ~~Mar. 31, 1933, #1~~ Athens, NS, 229-30 B.C.
- 395 ~~-----, #2~~ Athens, 287-263 B.C. Ident? (Eleusis to 262 B.C. ?)
- 186 Mar. 6, 1933, #4 Athens, NS, probably 229-197 B.C. Athens, ± 200 B.C., (Zeus holding fulmen, symbol?)
- ~~-----, #5~~ Athens, 3rd c. B.C.
- ~~-----, #6~~
- ~~-----, #7~~ Athens, 3rd c. B.C.
- 187 ~~-----, #8~~ Myrina, 307-300 B.C. Myrina, 3rd c. B. C.
- 250 Mar. 9, 1933, #20 Athens, 307-283 B.C. Athens, 260 B.C. (Corinthian helmet, 2 owls)
- ~~Mar. 10, 1933, #14~~ Greek

- Th-265 ● Mar. 10, 1933, #15
Megara, 279 B.C.
- 266 -----, #18
Megara, 223-192 B.C.
- 267 -----, #20
Athens, 307-283 B.C.
- , #22
- , #23
- 269 -----, #26
Athens, 307-283 B.C.
- 271 -----, #31
Athens, 307-283 B.C.
- 272 -----, #32
Phlius, 431-370 B.C.
- 273 -----, #35
Boeotia, 338-315 B.C.
- , #38
- Greek
- 663 ~~May 20, 1933, #8~~
Athens, 307-283 B.C.
or earlier
- 668 May 22, 1933, #7
Megara, 307-243 B.C.
- ~~May 25, 1933, #10~~
possibly Athens, 3rd c. B.C.
- 700 May 27, 1933, #10
Athens, 3rd c. B.C.
- ~~June 1, 1933, #1~~
- Greek
- 713 -----, #2
Athens, 307-283 B.C.
- 714 -----, #3
Delos, Ath. cleruchy
after 166 B.C.
- Athens, late 4th c. B.C. (AO)
(Attic helmet/2 owls in wreath)
- Ibid.
- Phlius, 4th-3rd c. B.C.
- Boeotia, 4th c. B.C.
- 'Greek'
- Megara, mid-3rd. c. B.C.
(2 dolphins, trident)
- Megara, late 4th-early 3rd.c. B.C.
(2 dolphins)
- Athens, late 4th-1st 1/3 3rd c. B.C.
(2 owls in wreath)
- "The following coins are not included in D.B.T.'s list of coins from the Building Fill, but are given in daily coin lists as being from the same places as those which are listed. Should they not also be included?"
- 241 Mar. 9, 1933, #2
Athens, 307-283 B.C.
- , #4
- Greek
- 286 Mar. 11, 1933, #7
Athens, MS, 229-197 B.C.
- ~~-----, #8-9~~
- Greek
- ~~-----, #10-14~~
- Disintegrated or illegible
- 311 Mar. 14, 1933, #34
Athens, 287-263 B.C.
- 328 Mar. 17, 1933, #4
Athens, 330-307 B.C. or later) owl.
- 336 -----, #27
Tenos, after ca. 308 B.C.
- 377 Mar. 28, 1933, #21
Constans II
- Athens, 1st 1/3 3rd. c. B.C.
(owl r.)
- { P.A. 2nd 1/4 2nd c. B.C.)
Athens, (1st 1/2 2nd c. B.C.
(Fulminating Zeus, ear of corn, eagle)
- Eleusis, late 4th-1st 1/3 3rd c. B.C.
(pig in bachkos)
- Athens, 1st 1/3 3rd c. B.C.
- Tenos, 4th-3rd c. B.C.
- Constans II
- Constans II, 641-668 A.D.

- Th-396 ~~Mar. 28, 1933, #22~~
Athens, NS?
Mar. 31, 1933, #3
Athens, 307-283 B.C.
~~-----, #4~~
Greek
- 397 -----, #5
Athens, 307-283 B.C.
- 398 -----, #6
Athens, ca. 262-230 B.C.
- 399 -----, #7
Euboea, ca. 369-336 B.C.
- 400 -----, #8
Eleusis
- 262 Mar. 10, 1933, #6
Megara, 307-243 B.C.
- 263 -----, #7
Eleusis
~~-----, #8~~
Greek
~~-----, #9~~
- 264 -----, #10
Athens, 307-283 B.C.
~~-----, #11-#12~~
Greek
~~-----, #13~~
~~-----, #16-#17~~
Greek
~~-----, #19~~
- 268 -----, #21
Athens, 330-300 B.C. or later (2 bodied owl)
~~-----, #24-#25~~
Greek
- 270 -----, #27
Athens, 330-300 B.C.
~~-----, #28~~
Greek
~~-----, #29-#30~~
~~-----, #33-#34~~
Athens, 3rd c. B.C.
~~-----, #36~~
Greek
- 274 -----, #37
Athens, 330-300 B.C.
~~-----, #39~~
- 699 May 27, 1933, #9
Athens, NS, 229-30 B.C.
- A VI.4.35, #1
Athens, 3rd c. B.C.
V.3.35, #1
Not a coin
- A 411 V.3.35, #2
Athens, 307-283 283 B.C.
- Athens, late 4th c. B.C.
(Jowl/kernos)
- ? Athens, 1st 1/3 3rd c. B.C.?
(owl r?)
- Athens, 2nd c. B.C.
(kernos/kalathos in wreath)
- Euboea, 4th c. B.C.
- Eleusis, 1st 1/4 3rd c. B.C.
(wreathed pig)
- Megara, 4th-3rd c. B.C.
- Eleusis, late 4th-1st 1/4 3rd c. B.C.
(large wreathed pig)
- Athens, late 4th-1st 1/3 3rd c. B.C.
(2 owls)
- Athens, last 1/3 4th c. B.C.
(2 bodied owl)
- Ibid., # 268
- Ibid., # 268 and 270
- Athens, 2nd c.-86 B.C.
(Corinthian helmet, Zeus ibl
alleg
- Athens, 260's B.C.
(owl r. with wreath)

~~A V.10.35, #1~~

Athens, NS

~~V.27.35, #1~~

Athens, 3rd c. B.C.

412

4

~~V.3.35, #1~~

Athens, ca. 287-263 B.C.

Eleusis, 1st 1/4 3rd c. B.C.
(wreathed pig)

413

~~V.6.35, #1~~

Athens, 330-300 B.C.

Athens, last 1/3 4th c. B.C.
(2 bodied owl)

414

~~-----, #3~~

Athenian, 3rd c. B.C.

Athens, 2nd c. B.C.

Athens, ca. 262-230 B.C.

(kernos/kalathos in wreath)

K Pithos-Settling Basin I 14:2

No coins

K Well in Road W. of Middle Stoa H 13:1

No coins

K Cistern-Well in Marble Workers' House. F 16:8

Aug. 5, 1968, #1	Athens, last 1/3 4th c. B.C.
-----, #2	(2 bodied owl) Greek Illegible
-----, #3	Athens, late 4th-1st 1/3 3rd c. B.C.
-----, #4	(owl r. A/G) Greek Illegible
-----, #5	Disintegrated
Aug. 6, 1968, #1	"
-----, #2	"
-----, #3	"
-----, #4	"
-----, #5	"
-----, #6	Not a coin
-----, #7	Disintegrated
-----, #8	"
-----, #9	"
-----, #10	"
-----, #11	"
-----, #12	"
-----, #13	"
-----, #14	"
-----, #15	"
-----, #16	"
-----, #17	"
-----, #18	"
-----, #19	"
-----, #20	"
-----, #21	"
-----, #22	"
-----, #23	"
-----, #24	"

V9 d87

(Coin from Hall - Deposit, 2nd part)

(VII-7)

(K, cistern - wall in north - western corner) (F 16:8)

2-30 -

7.01

Aug. 6, 1968, #25

Disintegrated

Aug. 7, 1968, #1

||

-----, #2

-----, #3

Aug. 8, 1968, #1

-----, #2

Aug. 14, 1968, #1

-----, #2

-----, #3

-----, #4

-----, #5

-----, #6

-----, #7

||

-----, #8

-----, #9

-----, #10

-----, #11

Aug. 16, 1968, #1

-----, #2

-----, #3

-----, #4

-----, #5

-----, #6

-----, #7

||

-----, #8

-----, #9

-----, #10

-----, #11

-----, #12

Aug. 16, 1968, #13

-----, #14

-----, #15

-----, #16

-----, #17

-----, #18

-----, #20 #19

Aug. 17, 1968, #1

Disintegrated

-----, #2

-----, #3

-----, #4

-----, #5

-----, #6

K Pyre Burial F 16:7

No coins.

KK Cistern 69/A-69/AZT E 6:1 and E 6:2

E 6:1

No coins.

E 6:2 (69/AZT)

KK 437

VI.8.36, #1

Delos, Ath. cleruchy,
after 166 B.C.

Athens, 2nd c. to 86 B.C.
(cicada/owl)

~~VI.10.36, #1~~

Illegible

~~-----, #2~~

Illegible

438

-----, #3

Athens, after 261 B.C.

Athens, 1st 1/4 3rd c. B.C.
(owl r. in corn wreath)

~~-----, #4~~

Greek, possibly

Athens, NS, 229-30 B.C.

439

-----, #5

Athens, 330-300 B.C.
or later

Athens, last 1/3 4th c. B.C.
(2 bodied owl)

440

VI.11.36, #1

Delos, Ath. cleruchy,
after 166 B.C.

Athens, 2nd c. to 86 B.C.
(cicada/amphora)

~~-----, #2~~

Greek, possibly

Athens, 3rd c. B.C.

441

-----, #3

Athens, 2nd c. B.C.
(Fulminating Zeus with eagle
(very worn)

Athens, NS, 229-30 B.C.

KK

KK 442 VI.12.36, #1 Salamis, 4thc. B.C.
Salamis, 350-318 B.C.

AA Cistern 99/K. F 5:1

- AA 519a VI.3.37, #1 Greek illegible
Greek
519b -----, #2 " "
Greek
520 VI.3.37, #3 Athens (late 3rd -early 2nd c. B.C.
Athens, after 261 B.C. (owl r. on thunderbolt)
521 -----, #4
Antigonus Gonatas, 277-239 B.C.
534 VI.4.37, #5 Greek illegible
Athens, 3rd c. B.C.
536a -----, #7 Greek illegible
Athens, 3rd c. B.C.
536b -----, #8 Greek illegible
Athens, 3rd c. B.C.
535 -----, #6 Athens, last 1/3 4th c. P.C.
Athens, 330-300 B.C. (2 bodied owl)
537 -----, #9 Greek illegible
Greek
541a VI.7.37, #1 Greek illegible
Greek, possibly
Athens, 3rd c. B.C.
542 -----, #2x #2 Athens, last 1/3 4th c. P.C.
Athens, 330-300 B.C. (2 bodied owl)
or later
541b -----, #3 Greek illegible
Greek, possibly
Athens, 3rd c. B.C.
541c -----, #4 Greek illegible
Greek, possibly
Athens, 3rd c. B.C.

AA Cistern 81/M. E 5:2

- AA 47 II.16.37, #7 Athens, ²⁰⁰ca. 200 B.C.
Greek, possibly Athens, (Zeus holding thunderbolt, owl?)
NS, 229-30 B.C.
48 -----, #8 Alexius I
Alexius I, 1081-1118 A.D.
49 -----, #9 Manuel I
Manuel I, 1143-1180 A.D.
57 II.22.37, #23 Prob. Ptolemaic, 3rd c. B.C. (very worn)
Greek
~~-----, #24~~
Disintegrated
58 -----, #25 Greek illegible
Greek, possibly Athens,
3rd c. B.C.
59 -----, #26 Greek illegible
Greek, possibly Athens,
NS, 229-30 B.C.

AA Well 97/Γ (Bone Well). G 5:3

AA 562 VI.15.37, #1
Megara, 307-243 B.C.

Megara, late 4th -early 3rd c. B.C.

MM Cistern 44/H. E 3:1

late 4th -early 3rd c. B.C.

~~III.31.36, #8~~
Disintegrated

~~IV.1.36, #23~~
Greek

~~IV.2.36, #13~~
Greek

~~IV.3.36, #16~~
Disintegrated

~~IV.4.36, #17~~
Disintegrated

~~IV.5.36, #18~~
Greek

MM 222 -----, #19
Delos, Ath. cleruchy,
after 166 B.C.

Athens, 2nd c. to 86 B.C.
(cicada/?extremely worn)

~~IV.3.36, #15~~
Disintegrated

~~IV.4.36, #16~~
Greek

~~IV.5.36, #17~~
Athens, 3rd c. B.C.

~~IV.6.36, #18~~
Greek

~~IV.3.36, #15~~ ~~IV.4.36, #16~~ ~~IV.5.36, #17~~ ~~IV.6.36, #18~~
Disintegrated

~~IV.4.36, #9~~
Disintegrated

~~IV.5.36, #10~~
Greek, probably

~~IV.6.36, #11~~
Athens, 3rd c. B.C.

MM 316 IV.22.36, #31
Athens, 287-263 B.C.

Eleusis, 1st 1/3 3rd c. B.C.
(wreathed pig)

NN Well 55/Θ. D 19:2

No coins listed.

NN Well 65/ΜΓ. B 18:12

NN 1805 7.8.47, #1
Boeotia, ca. 220-197 B.C.

Boeotia, ca. 220-197 BC

1806 -----, #2
Athens, 330-307 B.C.

Athens, 307-ca. 300 B.C.

1808 7.14.47, #1
Athens, NS, ca. 50 B.C.
or earlier

„(owl l.)
Greek possibly identifiable with
Further study. Prob. non-Athenian;
extremely worn

NN Pyre at 74/MO. B 18:2

No coins.

NN Cistern 77/NA. A 18:2

Fill 1

- ~~Apr. 23, 1947, #1~~ Discarded
Athens, NS, 229-30 B.C.
- ~~Apr. 26, 1947, #1~~
Not a coin
- NN 1635 -----, #2 Athens, (3rd) or 2nd c.-86 B.C.
Athens, NS, 229-30 B.C. (2 owls in wreath)
- 1636 -----, #3 Athens, ca. time of Augustus
Athens, NS, after 30 B.C. (owl on amphora, cicada)
- , #4
- 1637 -----, #5 Athens, 2nd c.-86 B.C.
Delos, Ath. cleruchy, (cicada/amphora)
after 166 B.C.
- 1644 Apr. 28, 1947, #1 Athens, 1st 1/3 3rd c. B.C.
Athens, 307-283 B.C. (owl r. in olive wreath)
- 1645 -----, #2 Athens, last 1/4 4th c. B.C.
Athens, 330-300 B.C. (2 bodied owl, Kalathos)
- , #3
- Athens, 3rd c. B.C.

Fill 2

- 1647 Apr. 29, 1947, #1 Athens, last 1/3 4th c. B.C.
Athens, 330-300 B.C. (2 bodied owl)
or later

Fill 3

- ~~Apr. 29, 1947, #2~~
Greek
- , #3
Greek
- , #4
- 1650 Apr. 30, 1947, #1 Athens, last 1/4 3rd c. B.C.
Athens, 262-230 B.C. (Demeter, kernos overstruck)
- 1651 -----, #2 Athens, third 1/4 3rd c. B.C.
Athens, 283-261 B.C. (owl 3/4 right with amphora)

Dump

- 1664a May 6, 1947, #6 Athens, 2nd c.-86 B.C. ?
Athens, NS, 229-30 B.C. (2 owls on (?) thunderbolt)
- 1664b -----, #7 Greek
Athens, NS, 229-30 B.C.

NN Well 86/EE. A 18:5

From mouth only

- NN 340 4.13.39, #11
→ 4.13.39 #12
Delos, Ath. cleruchy → Athens, 2nd c.-86 B.C. (cicada/amphora)
after 166 Salamis, ca. 350-318 B.C. Salamis, 4th c. B.C.

NN 341
#12

p. 1110: "Apparently all the pottery from the well lost its tickets during the war, was not recognized, and was thrown out and otherwise disappeared." "Of the coarse amphorae packing behind the tiles none was found except the two boxes of stored amphora handles kept separately."

NN Cistern 100/K. B 20:2

No coins listed.

NN Well 99/KB. B 20:7

F111 2

NN 1491 6.1.46, #10 Athens, late 4th-1st 1/3 3rd c. B.C.
Athens, 307-283 B.C. (2 owls)

NN Well 107/IR. B 21:4

F111 1

NN 1211 6.5.39, #4 Myrina, 307-300 B.C. Myrina, 3rd c. B. C.
1418 5.6.40, #20 Athens or Delos, 2nd (or 1st) c. B.C.
Delos, Ath. cleruchy, (Apollo/amphora)
after 166 B.C.
1419 -----, #21 Athens, last 1/4 3rd c. B.C.
Eleusis, money in (Demeter/kernos overstrike)
name of Athens
-----, #22
Greek
-----, #23
Greek

X Pocket 63/NA. N 10:2

No coins listed.

~~NN~~ ~~100~~ Cistern A at 58/IB. D 16:2

~~IV.7.48, #35~~
~~Disintegrated~~
~~-----, #36~~
~~Greek~~
~~-----, #37~~
~~Greek~~
~~IV.8.48, #48~~
~~Greek, possibly~~
~~Athens, NS~~
~~IV.20.48, #1~~
~~Greek~~

~~100~~ Cistern in SW Bath. F 17:4

May 13, 1969, #1

-----, #2

00

May 13, 1969, #3 Athens, 3rd 1/4 3rd c. B.C.
-----, #4 (owl w. amphora)
Greek illegible

-----, #5

-----, #6

-----, #7


-----, #8

-----, #9

-----, #10

-----, #11 Disintegrated

May 14, 1969, #1 Antigonus Gonatas 277-239 B.C.

-----, #2 Athens, 2nd c. B.C. 
-----, #3 (Fulminating Zeus with eagle)
Greek illegible

-----, #4


-----, #5

-----, #6

-----, #7

-----, #8

-----, #9

May 15, 1969, #1 Boeotia, (?) 197-140 B.C. 
-----, #2 (shield/trident)

Greek illegible

-----, #3

-----, #4

-----, #5

-----, #6

-----, #7

-----, #8

-----, #9

-----, #10

-----, #11

(F 1724)

00

May 16, 1969, #1 Greek illegible
 -----, #2 Greek illegible
 -----, #3 Disintegrated
 -----, #4 Athens, ca. 260's B.C.
 (owl r. with symbol)
 -----, #5 Athens, prob. second 1/2 3rd c. B.C.
 -----, #6 Greek illegible
 -----, #7 " "
 -----, #8 " "
 -----, #9 " "
 -----, #10 " "
 -----, #11 Athens, first 1/3 3rd c. B.C.
 (owl r.)
 -----, #12 Disintegrated
 May 17, 1969, #1 Athens, third 1/4 3rd c. B.C.
 (owl w. amphora)
 -----, #2 Greek illegible
 -----, #3 " "
 -----, #4 " "
 -----, #5 " "
 -----, #6 " "
 -----, #7 " "
 -----, #8 " "
 -----, #9 " "
 -----, #10 " "
 -----, #11 " "
 -----, #12 " "
 May 19, 1969, #1 Not a coin
 -----, #2 ~~Disintegrated~~ Greekillegible
 -----, #3 Disintegrated
 -----, #4 "
 -----, #5 "

(F 174)

00

May 19, 1969, #6	Disintegrated
-----, #7	Disintegrated
-----, #8	"
May 20, 1969, #1	Athens, imperial?-late 1st-2nd A.D.?
-----, #2	Not coin
-----, #3	Disintegrated
-----, #4	"
-----, #5	"
-----, #6	Greek illegible
-----, #7	" "
May 21, 1969, #1	Disintegrated
-----, #2	Greek illegible
-----, #3	Greek "
-----, #4	Athens, first 1/3 3rd c. B.C. (owl r.-worn)
-----, #5	Athens, ca. 40-30 B.C. (Zeus/ Dionysos)
May 22, 1969, #1	Greek illegible
-----, #2	Greek "
-----, #3	Greek "
-----, #4	Greek "
-----, #5	Greek "
May 23, 1969, #1	Athens, imperial., late 1st-2nd c. A.D. (owl r.)
-----, #2	Greek illegible
-----, #3	Greek "
-----, #4	Greek "
-----, #5	Greek "
-----, #6	Disintegrated
-----, #7	Disintegrated
-----, #8	Disintegrated

are these from
F 174?

00 Disturbed pyre 59/KH. D 17:4

Coin: illegible

00 Well 65/MA. D 17:11

IX.27.47, #1

-----, #2

00 Cistern 65/KH - 70/KE - 73/AZ. D 17:3, 4, 5

Pre-construction

~~27 Jun 50, #2~~

Disintegrated (bronze? post-339?)

65/KH, Bottom Fill (3b)

~~23 Jun 50, #6~~

Disintegrated

00-1335

-----, #6

Greek illegible

Greek

65/KH, Middle Fill (3c)

1334

22 Jun 50, #4

Athens, 330-307 B.C.

Athens, last 1/3 4th c. B.C.

or later

(2 bodied owl)

~~20 Jun 50, #1~~

Disintegrated

~~-----, #2~~

Greek

~~-----, #3~~

Disintegrated

~~24 Jun 50, #1~~

Disintegrated

73/AZ, Lower Fill (5)

missing

9 Apr 49, #1

Athens, 330-307

B.C. or later

~~XXXX~~ Athens, last ~~1st~~ ^{third} 4th c. BC
if prior ident. OK

1043

-----, #2

Missing

Histiaea (?) 2nd c. B.C.

(unique coin, date uncertain)

~~-----, #3~~

Greek

~~-----, #4~~

Greek Illegible

~~-----, #5~~

Athens, 3rd c. B.C.

~~-----, #6~~

Greek, probably

Athens, 3rd c. B.C.

73/AZ, Upper Fill (8)

1040

8 Apr 49, #17

Megara, 307-243 B.C.

Megara, late 4th-early 3rd c. B.C.

(2 dolphins)

00-1041 8 Apr 49, #18 Athens, 2nd c to 86 B.C.
Delos, Ath. cleruchy, (cicada/amphora)
after 166 B.C.

~~1041~~
Greek

1042 -----, #20 Ibid, 00-1041
Delos, Ath. cleruchy,
after 166 B.C.

ΠΘ Theseion Cistern A-B. D-E 8-9:1

Chamber A

Π-Th 97

2-5-36, #1
Athens, 307-283 B.C.

Athens, late 4th c. B.C.
(2 owls w. kernos)

103

2-6-36, #1
Athens, 287-263 B.C.

Eleusis, 1st 1/3 3rd c. B.C.
(wreathed pig)

104

-----, #2
Athens, NS, fractional,
229-30 B.C.?

Athens 4th-2nd c. B.C.
(uncertain type-2 owls)

Chamber B

121

2-12-36, #1
Athens, 287-263 B.C.

Eleusis, 1st 1/3 3rd c. B.C.
(wreathed pig)

122

-----, #2
Athens, 335-295 B.C.

Eleusis, last 1/3 4th c. B.C.
(pig on backos)

123a

-----, #4
Athens, 330-300 B.C.

Greek illegible

124

-----, #9
Athens, 330-300 B.C.

Athens, last 1/3 4th c. B.C.
(2 bodied owl)

123b

-----, #10
Athens, 330-300 B.C.

Greek illegible

ΠΘ Cistern 6/NE. C 9:7

Note: D-E 8-9:1

Top, possibly from water channel:

Coins dated 1st 1/3 3rd c.
could have begun in last decade
of 4th c. If Agora XII date is
sure, it would require this
earlier date for coins. No need
to postulate suppl. fill.

2.18.36, #1
Disintegrated

ΠΘ Cistern 35/IA. D 11:2

Antigonos Doson, 229-220 B.C.
(or just possibly Gonatus)
coin very worn

430

3.26.36, #1
Antigonos Gonatas, 277-239 B.C. coin requires date in 2nd 1/2
3rd c. at earliest

ΠΘ Cistern 44/IF - 46/IA - 42/O. D 11:4, 2, 3

44/IF

~~124/IF~~

Upper Fill

241

2.29.36, #3
Theodosius I, 379-395 A.D.

Theodosius I

~~3.2.36, #1~~

Greek

262

3.3.36, #7
Athens, 307-283 B.C.?

Athens, 1st 1/3 3rd c. B.C.
(Corinthian helmet)

- ~~3.5.36, #3~~
Greek
ITTh 276 -----, #4 Constantius II
Constantius II, 323-361 A.D.
~~3.5.36, #3~~
Greek
287 3.6.36, #1 Athens or Delos, 85- ca. 50B.C.
Delos, Ath. cleruchy, (Apollo/amphora)
after 166 B.C.
288 -----, #2 "Greek illegible
Delos, Ath. cleruchy,
after 166 B.C.
289 -----, #3 "Greek (though possibly new style
Athens, NS, probably ca. 86-50 B.C.)
ca. 105 B.C.

Second Fill

(Hell. to Roman)

- 3.7.36, #1
Athens, NS, 229-30 B.C.
306 -----, #2 Athens, 3rd c. B.C.
Athens, ca. 255-229 B.C. (2 owls)
~~3.7.36, #3~~
Disintegrated
~~3.7.36, #4~~
Disintegrated
313 3.9.36, #1 Athens imperial, late 1st-2nd c. A.D.
Athenian Imperial, (Demeter Chloe)
fractional
314 -----, #2 Athens, ca. 105-100 B.C.
Athens, NS, (Fulminating Zeus, 2 pilei)
ca. 110-100 B.C.
315 -----, #3 Tegea, after 146 BC
Tegea, after 146 B.C.

Bottom Fill

- ~~3.10.36, #1~~
No coin
~~3.10.36, #2~~
Greek
~~3.11.36, #1~~
No coin

Earth

- 354 3.12.36, #6 Alexius I
Alexius I, 1081-1118 A.D.
357 3.13.36, #1 Boeotia, 220-197 BC
Boeotia, 220-197 B.C.
358 -----, #2 Leucas, after 168 BC
Leucas, after 168 B.C.
368 3.14.36, #1 Valens
Valens, 364-378 A.D.
~~3.14.36, #2~~
No coin
369a -----, #3 Athens, 2nd 1/2 2nd c. B.C.
Athens, after 261 B.C. (Athena Promachos)
369b -----, #4
ibid. prob. 2nd c. B.C.

46/IA

- ~~2.25.36, #2~~
Greek
- HTH 202 -----, #3 Athens, 307-ca. 300 B.C.
(owl 1. ACH)
- 207 2.26.36, #1 Athens, 330-307 B.C.
Athens, NS?, ca. 50 B.C. (owl in amphora, bachkos)
- 221 2.27.36, #1 Carystos, ca. 198-146 BC
Carystus, ca. 196-146 B.C.
- ~~2.28.36, #1~~
Greek
- 234 -----, #2 Athens, last 1/4 3rd c. B.C.
Athens, ca. 262-230 B.C. (Demeter/kernos overstruck)
- ~~2.29.36, #1~~
Athens, 3rd c. B.C.

(Hel) 42/0

- 192 2.22.36, #1 Antigonos Gonatas, 277-239 B.C. very worn
Antigonos Gonatas, 277-239 B.C. very worn
- ~~2.23.36, #1~~
Athens, NS, 229-30 B.C.?

ΠΘ Well 47/KZ. D 11:1

- ΠΘ 334 3.10.36, #3 Athens, time of Augustus (30B.C.-14 A.D.)
Athens, NS, 91-89 B.C. (owl on amphora, cicada-worn)
- ΠΘ 335 -----, #4 Athens, 3rd 1/4 3rd c. B.C.
Athens, 283-261 B.C. (owl 3/4 r. with amphora)
- ΠΘ 382 3.14.36, #20 Athens, time of Augustus
Athens, NS, after 30 B.C. (owl on amphora, cicada-very worn)
- ~~3.23.36, #3~~
Disintegrated
- ~~-----, #4~~
Greek
- ~~4.2.36, #7~~
Greek
- ~~-----, #8~~
No coin
- ~~-----, #9~~
No coin
- ΠΘ 472 4.3.36, #4 Athens, time of Augustus (30B.C.-14 A.D.)
Athens, NS, early I B.C. (NS/sphinx -very worn)
- ΠΘ 473 -----, #5 Athens, time of Augustus (owl on prow, ear of corn worn)
- ~~-----, #6~~
Athens, NS, 229-30 B.C.
- HTH 474 -----, #7 Athens, 2nd c. B.C.
Athens, NS, 196-187 B.C. (Fulminating Zeus, kernos, cornucopia)
- ~~4.6.36, #1~~
Greek

ΠΘ Cistern 76/NZ - 76/NΘ - 81/NΘ. B 13:1,2,3.

76/NZ

Lower Fill

~~6.4.36, #3~~

Greek

~~6.5.36, #3~~

Greek

76/NΘ

Shaft

~~6.4.36, #1~~

?

□ C
En

689

~~-----, #2~~

Athens, 283-261 B.C.

Athens, 3rd 1/4 3rd c. B.C.

(owl 3/4 r. with amphora)

~~-----, #3~~

Greek

690

~~-----, #4~~

Athens, 330-307 B.C.

Athens, 307-ca. 300 B.C.

(owl 1. AOH)

81/NΘ

~~6.8.36, #1~~

Greek

missing

~~-----, #2~~

Myrina, 307-300 B.C.

ident. probably o.k., Myrina, 3rd.
B.C.

~~-----, #3~~

Illegible

4th c.dump ΠΘ Well 68/MB. C 12:2

~~4.8.36, #1~~

Greek

~~-----, #2~~

Disintegrated

~~4.9.36, #1~~

Greek

~~5.25.36, #1~~

Greek

654

~~5.26.36, #1~~

Athens, ca. 297-255 B.C.

Athens, 4th c. B.C.

silver triobol

ΠΘ Well 81/MA. B 13:7

No coins

ΠΘ Well 87/ΛΘ. B 13:8

- PTTh-753 3.30.37, #1 Eleusis, (late 4th?) -1st 1/3 3rd c. BC
 Eleusis, money in (Wreathed pig)
 name of?
- 754a 3.31.37, #1 Greek illegible
 Greek
- , #2
 Illegible
- 754b -----, #3 Greek illegible
 Greek
- 755 -----, #4 Athens, last 1/3 4th c. BC
 Athens, 330-300 B.C. (2-bodied owl)
 or later
- 756 4.1.37, #1 Greek illegible
 Greek
- 758 4.2.37, #1 Athens, last 1/4 4th c. BC
 Athens, 307-283 B.C. (2 owls, AΘ, in wreath) unworn
- 819 5.12.37, #1 Greek illegible
 Greek
- Dump
- 877 5.28.37, #29 Greek illegible
 Greek
- ~~6.3.37, #1~~
 Disintegrated
- 898 -----, #2 Uncertain ident. (Pig, cow? walking rl)
 Not a coin very worn
- 898 6.8.37, #2
- Athens, 3rd c. B.C.
- 901 6.10.37, #1 Illegible Greek
 Greek
- 902 -----, #2 Alexius I
 Alexius I, 1081-1118 A.D.

ΠΘ Well 105/NH. A 14:1

- 776a ~~XXXXXX~~ and b Athens, 2nd c. BC to 86 BC
 (Fulminating Zeus) **
- Depth 22.50-22.25
- 776 IV.23.37, #1 to #3 776c Athens, last 1/3 2nd c. BC
 Athens, NS, 229-30 B.C. (Zeus/Athena w. snake)
 Class II
- 777 -----, #4 Athens, last 1/2 2nd c. BC
 Athens, NS, 196-187 B.C. (Fulminating Zeus, kernos,
 cornucopiae, eagle)
- 778 -----, #5 Greek illegible
- 779 -----, #6 Antigonos Gonatas
 Antigonos Gonatas, 277-239 B.C.
- 780 -----, #7 to #12 Greek illegible
 Athens, 3rd c. B.C.
- , #13
 Disintegrated
- 781 -----, #14 Athens, 2nd c. BC (prob after 166)
 Delos, Ath. cleruchy, (Apollo/owl with lyre)
 after 166 B.C.
- 782 -----, #15 Athens, last 1/3 2nd c. BC
 Athens, after 261 B.C. (Zeus/Athena Promachos)

**NB: There is a very strong probability that one of these is to be dated 86 BC, thereby dating the fill as post-Sullan. But cannot be proven

ΠΘ Well 105/NH. A 14:1 (cont'd)

IV.23.37, #16
Illegible

Depth 22.25-21.30

PTH-775

IV.22.37, #1 to #5
Athens, NS, 229-30 B.C.

3 coins, Athens 85-ca. 50BC
(Parthenos/owl on amphora)
2 coins illegible Greek

Depth 9.15 - 6.60

-771

IV.12.37, #1
Athens, 3rd c. B.C.

Greek illegible

Depth 5.00 - 1.90

-767

IV.10.37, #1
Athens, after 261 B.C.

Athens, early 2nd c. BC
(Owl r. on thunderbolt)

-768

-----, #2
Boeotia, uncertain mint,
338-315 B.C.

Boeotia, 4th c. BC
(Shield/trident)

-769

IV.9.37, #1
Constantius II, 323-361 A.D.

Constantius II

-764

-----, #2
Athenian imperial,
fractional issue

Athens imperial, 2nd c. AD
(Theseus/pig)

Depth 1.50 - top

-700

VI.9.36, #2, #4

700- Constantius II, ^{period} 351-361AD

-702

Constantius II, 323-361 A.D.

702 Julian Caesar, 355-361 AD

Dump

-828a

V.18.37, #1
Greek

Athens, last 1/3 rd. 6 BC
(Zeus/Athena Promachos)

-829

-----, #2
Eleusis, money in
name of Eleusis

Eleusis, last 1/3 4th c. BC
(Pig on bakchos)

-830

-----, #3
Athens, after 261 B.C.

Athens, early 2nd c. BC
(Owl r. on thunderbolt)

-828b

-----, #4
Greek

Greek illegible

-828c

-----, #5
Greek

Greek illegible

-831

-----, #6
Athens, NS, 229-30 B.C.

Athens, first three quarters 2nd c. BC
(Fulminating Zeus, eagle)

-832

-----, #7
Athens, after 261 B.C.

Athens, last 1/3 3rd c. BC
(Zeus/Athena Promachos)

-828d-f

-----, #8 to #10
Greek

Greek illegible

-833

-----, #11
Possibly Pupienus, 238 A.D.

Roman sestertius, 3rd c. AD

-828g

-----, #12
Greek

Greek illegible

-834

-----, #13

Prob. Athens, last 1/3 2nd c. BC
Possibly Thessalian League, (?Zeus/Athena Promachos)
196-146 B.C.

- PTh-835 V.18.37, #14 Athens, 2nd c. BC
Delos, Ath. cleruchy, (Cicada/amphora)
-828h after 166
-----, #15 Greek illegible
Greek
-884 VI.4.37, #1 Athens, 3rd 1/4 3rd c. BC
Athens, 283-261 B.C. (Owl r. with amphora)
-----, #3
Not a coin
-----, #4
Illegible
VI.10.37, #3
Disintegrated
-903 -----, #4 Athens, 2nd c. ~~xxx~~ to 86 BC
Athens, NS, 229-30 B.C., (2 owls on thunderbolt)
fractional issue
-904 -----, #5 Athens, ca. 200 BC
Athens, NS, 229-30 B.C. (Zeus holding thunderbolt)

III Cistern 121/NH. A 16:4

No coins

III Pit at 3/ZA. A 17:3

- ~~4.7.56, #1~~
Disintegrated
PP-999 -----, #2 Athens, late 4th-1st 1/3 3rd c. BC
Athens, 255-229 B.C. (2 owls, no details)
PP-1000 -----, #3 Athens, ca. 307-300 BC
Athens, 255-229 B.C. (2 owls in wreath, AOH (sic))
~~-----, #4~~
~~Disintegrated~~
PP-1001 -----, #5 Athens, late 4th-1st 1/3 3rd c. BC
Athens, 255-229 B.C. 2 owls in wreath, no details)
~~-----, #6~~
Illegible
PP-1002 -----, #7 Demetrius Poliorcetes, ~~████~~ 306-283 BC
Demetrius Poliorcetes, (Corinthian helmet/prow)
306-283 B.C.
~~-----, #8 to #9~~
Disintegrated

III Pyre 36/AA. C 17:2

No coins

ZA Stoa of Attalos Construction Fill. P-R 6-12

Iota, p. 1108, #30
(Notebook not found)
Athens, 255-229 B.C.

Athens, 3rd c. BC
(Corinthian helmet obv.)

ZA.

- SA-6 II.15.36, #1 Athens, early 2nd c. BC
Athens, after 261 B.C. (Owl r. on thunderbolt)
- 12 III.7.36, #1 Athens, 1st 1/3 3rd c. BC
Athens, 307-283 B.C. (Owl r.)
- 13 -----, #2 Athens, early 2nd c. BC
Athens, after 261 B.C. (Owl r. on thunderbolt)
- 14 III.13.36, #1 Athens, 3rd 1/4 3rd c. BC
Athens, 283-261 B.C. (Owl r. with amphora)
- 15 -----, #2 Athens, 1st 1/2 2nd c. BC (prob 2nd 1/4 2nd c.)
Athens, NS, 196-187 B.C. (Fulminating Zeus, cornucopiae, eagle)
- VI.4.49, #1 and #2
Disintegrated
- 39 -----, #3 Athens, early 2nd c. BC
Delos, after 166 B.C. (Owl r. on thunderbolt)
- VI.8.49, #1
Greek
- 50 -----, #2 ? Athens, last 1/3 4th c. BC
Athens, 307-261 B.C. (2-bodied owl?)
- ~~VI.9.49, #1~~
~~Greek~~
- ~~VI.10.49, #1~~
~~Greek~~
- ~~-----, #2~~
~~Disintegrated~~
- 61 VI.17.49, #1 Athens, late 4th-1st 1/3 3rd c. BC
Athens, 307-261 B.C. (2 owls)
- 62 VI.25.49, #1 Achaean League, 3rd-2nd c BC
Achaean League, after
280 B.C.
- ~~VI.27.49, #1~~
~~Greek~~
- 74 -----, #2 Athens, last 1/3 3rd c. BC
Athens, 330-300 B.C. (2-bodied owl)
or later
- 76 VI.28.49, #1 Cassander, 316-297 BC
Cassander, 316-297 B.C.
- 77 -----, #2 Athens, late 4th c. BC
- 78 Athens, 307-261 B.C. (2 owls in wreath A0)
- , #3 Athens, 1st 1/3 3rd c. BC
Athens, 307-261 B.C. (Owl r.)
- ~~*103 VII.14.49, #1~~
~~Greek~~
- 103 VII.20.49, #1 Athens, last 1/4 3rd c. BC
Athens, Eleusinian festival (Demeter/kernos overstrike)
in name of Athens, after 261 B.C.
- 108 ~~VII.23.49, #1~~
~~Disintegrated~~ Athens, 1st 1/3 3rd c. BC
Athens, 307-261 B.C. (owl r.)
- ~~VII.26.49, #1~~
~~Athens, 307-261 B.C.~~
- ~~-----, #2~~
~~Greek~~

719
ZA Filling over floor of Square Bldg. Q 8-9

- SA-79 VII.8.49, #1 Uncertain ident., prob. Athens or
Delos, Ath. cleruchy, Delos (2nd c. after 166 or
after 166 B.C. 1st c. BC. (? Apollo/2 corn ears?)
-----, #2 Megara, 1st 1/2 3rd c. BC
Megara, 307-243 B.C. (Tripod between dolphins)
~~VII.9.49, #1~~
Greek
-81 VII.13.49, #1 Illegible Greek
Possibly Athens, NS,
229-30 B.C.
-----, #2
Disintegrated
-----, #3
?
-84 -----, #4 Athens, 3rd 1/4 3rd c. BC
Athens, ca. 255-229 B.C. (Owl with amphora)
-85 -----, #5 Athens, ? 3rd c. BC
Athens, 330-300 B.C. (uncertain reverse)
or later
-86 -----, #6 Athens, 1st 1/3 3rd c. BC
Athens, 307-261 B.C. (Owl r.)
-----, #7
Disintegrated
-87 -----, #8 Athens, ca. 200 BC (or little later)
Athens, NS, 229-197 B.C. (Zeus holding thunderbolt)
-----, #9
Disintegrated
-88 VII.14.49, #2 Illegible Greek
Greek, probably Athens,
3rd c. B.C.
-----, #3
Disintegrated
-----, #4
Disintegrated
-89 -----, #5 Athens 307-ca. 300 BC
Athens, 307-261 B.C. (Owl l.)
-90 -----, #6 Athens, 1st 1/4 3rd c. BC
Athens, 307-261 B.C. (Owl r. in wreath corn wreath)

ZA Trench for foundations of S. Stylobate of S q. Bldg.

Aug. 25, 1953, #1

-----, #2

-----, #3

-----, #4

-----, #5

These coins apparently
lost or disintegrated
in cleaning.

not yet
identified

ZA Brick Bldg., associated fills

ΣΑ Brick Bldg., associated fills. Q-R 10-11

Fallen brick fill covering foundations of Brick Building

- SA-5 II.14.36, #1 Athens, ca. 260's BC
Athens, 307-283 B.C. (Owl r. with symbol)--very worn
- 7 II.15.36, #2 Athens, 2nd c. to 86 BC
Athens, NS, 229-30 B.C. (Fulminating Zeus)--very worn
- 8 II.21.36, #1 Athens, late 4th-1st 1/3 3rd c. BC
Athens, 307-283 B.C. (2 owls)
~~II.21.36, #2~~
Greek
- 9 -----, #3 ? Antigonos Doson, 229-220BC
Antigonos Gonatas, (or Gonatas?)
277-239 B.C. (Herakles/?horseman)
- 10 II.22.36, #1 Athens, 3rd c. BC (last 1/2 ?)
Athens, ca. 287-263 B.C. (2 pigs/torch in wreath)

On floor of Brick Building

- 11 II.24.36, #1 Athens, late 4th-1st 1/3 3rd c. BC
Athens, 330-307 B.C. (Corinthian helmet/owl)
~~II.24.36, #2~~
Greek, probably
Athens, NS
~~II.24.36, #3~~
Disintegrated

Fill of ash and carbon against west wall of Brick Bldg.

- 16 III.14.36, #4 Athens, 2nd c. 86-86 BC
Athens, NS, 229-30 B.C. (Fulminating Zeus)
July 22, 1950, #1 Disintegrated
OR
Antigonos Gonatas, 277-235 BC

ΣΑ Well by Stoa pier III. Q 12:1

No coins

ΣΑ Water Tunnel to east of Stoa Shops XI-XV

No coins listed

ST Cistern 9/B. F 16:1

~~II.20.32, #13~~
Disintegrated
~~-----, #19~~
Illegible
~~III.1.32, #3 - #8~~
Disintegrated or illegible
~~III.2.32, #18 - #19~~
~~-----, #20 - #28~~
Disintegrated or illegible
~~-----, #29~~
Athens, ca. 294 B.C.
~~III.7.32, #3~~
Disintegrated
~~III.8.32, #3~~
Disintegrated
~~III.11.32, #3 - #4~~
Illegible

Coin now missing. Formerly ident.
as 2-bodied owl type, which should
now be dated to last 1/3 4th.c. BC

ST' Cistern 53/0 - 61/IH - 63/KF. H 16:2

I 17:1
I 17:5

53/0
ST'-696 ~~V.12.32, #24~~ ✓ Athens Illegible Greek
-697 ~~-----, #3~~ ✓ Illegible Greek
-698 -----, #4 Athens, 86 BC
-699 -----, #5 Athens, 105-100 BC
-700 -----, #6 Athens, NS, 229-30 B.C. (Fulminating Zeus, star and crescent)
-701 -----, #7 Prob. Athens, 2nd c. BC
Athens, 255-229 B.C. (2 owls on ? thunderbolt)
Athens, 297-255 B.C., (Zeus/Athena Prokkmachos)
after 261 B.C.
~~-----, #8~~
Disintegrated
~~-----, #9~~
Illegible
~~-----, #10~~
Illegible
~~-----, #11~~
Illegible
-702 -----, #12 Athens, 2nd c. x82 to 86 BC
Athens, 255-229 B.C.; (2 owls on thunderbolt)
prefer NS 229-30 B.C.
-705 V.13.32, #1 Athens, 3rd or 2nd c. BC
Athens, 297-255 B.C.; (Owl r., Attic helmet?)
prefer 339-297 B.C.
-706 -----, #2 Athens, 1st 1/3 3rd c. BC
Athens, 297-255 B.C.;
prefer 339-297 B.C.
~~-----, #3~~
Disintegrated
~~-----, #4 - #6~~
Illegible

- ~~V.14.32, #1~~
Disintegrated
- ST'-709 -----, #2
Athens ?, 339-297 B.C. Illegible Greek
- 710 V.16.32, #1
Athens, 297-255 B.C.;
prefer 339-289 B.C. Myrina (Lemnos), 3rd c. BC
(Owl facing)
- 711 -----, #2
Eleusis, struck in
name of Eleusis Eleusis, last 1/3 4th to 1st 1/3 3rd c. BC
(pig) worn
- 712 -----, #3
Eleusis, struck in
name of Athens Athens, 2nd c. BC
(New Style Demeter/pig)
- 713 -----, #4
Athens, 255-229 B.C.;
prefer 229-30 B.C. Athens, 2nd c. to 86 BC
(2 owls on thunderbolt)
- 714 -----, #5
Theodosius I, 379-395 A.D. Theodosius I
- ~~V.21.32, #6~~
Disintegrated

61/0

- 663 V.5.32, #1
Justin II, 565-578 A.D. Justin II
- 664 -----, #2
Athens, Imperial Roman Athens imperial, late 1st-2nd c. AD

61/B

- 551 IV.9.32, #1
Athens, 297-255 B.C. Athens, last 1/3rd 3rd c. BC
(2-bodied owl)
- 552 -----, #2
Athens, 297-255 B.C. Athens, 1st 1/4 3rd c. BC
(Owl r. in corn wreath)
- 553 -----, #3
Athens, 287-255 B.C. Athens, 307-ca. 300 BC
(Owl l.)
- 554 -----, #4
Greek, possibly Athens Illegible Greek
- 555 -----, #5
Athens, NS, 229-30 B.C. Illegible Greek
- 556 -----, #6
Athens, 297-255 B.C. Athens, last 1/3 4th c. BC
(2-bodied owl)
- 557 -----, #7
Greek Greek illegible
- 558 -----, #8
Athens, NS, 229-30 B.C. Greek illegible
- 567 IV.11.32, #1
Athens, 339-297 B.C. Athens, 1st 1/3rd c. BC
(Owl r.)
- 568 -----, #2
Athens ? Greek illegible
- 569 -----, #3
Athens, 255-229 B.C. Athens, 3rd or 2nd c. BC
(2 owls)
- ~~IV.12.32, #1~~
Disintegrated

63/KF

- 708 V.13.32, #10
Greek Illegible Greek

T South Stoa II, Construction Fill. MN 15:1

p.4304: "11 of the coins from this fill and the entries and cards are missing, 1964, i.e.

~~IV.20. , #2~~
~~V.18. , #16 - #18~~
~~V.22. , #8-#11~~
~~V.23. , #2 - #4~~

SEE ATTACHED p. 52a

2 illegible; i.e.

~~IV.11. , #1~~
~~IV.10 , #12~~

4 identified:

T-1193	IV.1. 1953, #1	Myrina (Lemnos), 3rd c. BC
	Lemnos, Myrina(?), ca. 300 B.C.	(Facing owl) worn
-1195	IV.2. 1953, #1	Athens, 1st half 2nd c. BC
	ANS, Zeus hurling thunderbolt	(Fulminating Zeus, eagle, star,)
-1204	IV.10.1953, #20 #13	Athens, late 4th-1st 1/3 3rd c. BC
	Athens, fractional, 2 owls	(2 owls in wreath)
-1211	IV.21.1953, #1	Illegible Greek
	ANS??, illegible"	

Note: I have searched and am unable to determine what year these coins are. Ought to be 1953, I think. YES GRE

T Well 73/MH. O 16:3

Dump

-1508	Dec. 15, 1955, #1	Athens, 1st 1/4 2nd c. BC
	Athens, probably 255-229 B.C.	(Zeus holding thunderbolt)
-1509	-----, #2	Athens, last 1/4 3rd c. BC
	Methana, 255-229 B.C.	(Artemis/Athena with patera)
-15100	-----, #3	Athens, prob. late 3rd or 2nd c BC
	Athens	(reverse type?)
	-----, #4 - #8	
	Illegible or disintegrated	

Y Cistern 20/MB. K K 18:2

Y-157	3.12.37, #5	Illegible Greek
	Athens, 307-283 B.C.	
	-----, #6	
	Illegible	
-158	-----, #7	Athens, last 1/3 4th c. BC
	Athens, 330-300 B.C.	(2-bodied owl)
	or later	
-159	-----, #8	Athens, last 1/3 4th c. BC
	Athens, 330-300 B.C.	(2-bodied owl)
	or later	

~~XXXXXXXXXX~~ ADDENDA for S. Stoa II construction fill

Notebook T, p. 4304 suggests that the following four coins, all excavated from "behind concrete wall with broken conglomerate", probably come from SSII fill.

T-1222	iv-27-1953	no. 10	Athens, ^{2nd quarter?} 1st half 2nd c. BC (Fulminating Zeus, ear of corn, eagle)
T-1223		no. 11	Athens, ^{2nd quarter?} 1st half 2nd c. BC (Fulminating Zeus, ear of corn, eagle)
T-1224		no. 12	Histiaeae, plated tetrobol, ca. late 3rd c. to 146 BC. (Nymph on prow) worn
T-1225		no. 13	Athens, ^{ca. 180-170} 1st half 2nd c. BC ? (Fulminating Zeus, star and eagle)*

* Same issue as T-1195, which is definitely from SSII construction fill. On tentative dating of this and other Fulminating Zeus issues here listed, see "Thoughts on Chronology..." prefacing this coin deposit list.

- Y-160 3.13.37, #1 Athens, 3rd c. B.C. Illegible Greek
 -----, #2
 Not a coin
- 161 -----, #3 Illegible Greek
 Greek, possibly
 Athens, 3rd c. B.C.
- 162 -----, #4 Illegible Greek
 Greek
- 163 -----, #5 Myrina, Lemnos, 3rd c. BC
 Myrina, Lemnos, 307-300 B.C. (Facing owl)
- 164 -----, #6 Illegible Greek
 Athens, 307-283 B.C.
- 165 -----, #7 Athens, 1st 1/4 3rd c. BC
 Athens, 307-283 B.C. (Owl r. in corn wreath)
- 166 -----, #8 Illegible Greek
 Greek, possibly
 Athens, 3rd c. B.C.
- 167 3.15.37, #1 ??Myrina, Lemnos, 3rd c. BC Athenian AR
 Myrina, Lemnos, 307-300 B.C. (Facing owl but as on 4th c. ~~XXXX~~)
- 168 -----, #2 Athens, 1st 1/3 3rd c. BC
 Athens, 307-283 B.C. (Owl r.)
 -----, #3
 Illegible
- 169 -----, #4 Illegible Greek
 Greek, possibly
 Athens, 3rd c. B.C.
- 170 -----, #5 Illegible Greek
 Athens, after 261 B.C.
- 172 3.16.37, #1 Athens, last 1/3 4th c. BC
 Athens, 330-300 B.C. (2-bodied owl)
 or later
- 173 -----, #2 Illegible Greek
 Greek
- 174 -----, #3 Illegible Greek
 Greek
- 175 -----, #4 Illegible Greek
 Athens, 3rd c. B.C.
- 176 -----, #5 Athens, 4th-2nd c. BC
 Athens, 330-300 B.C. (Alpha of legend visible)
 or later
- ~~177~~ -----, #6
 Disintegrated
- 177 -----, #7 Athens, last 1/4 3rd c. BC
 Methana, Ath. cleruchy, (Artemis/Athena with patera)
 255-229 B.C.
- 181 3.17.37, #1 Greek, possibly Athens, last 1/4 3rd c. BC
 NS, 229-30 B.C. (Triobol owl???)
- 182 -----, #2 Illegible Greek
 Greek, possibly Athens,
 NS, 229-30 B.C.
- 186 3.18.37, #1 Athens, 1st 1/4 4th c. BC
 Athens, NS, ca. 172 B.C. (Zeus holding thunderbolt, prow)
- 187 -----, #2 Illegible Greek
 Greek
- 188 -----, #3 Athens, late
 Athens, 307-283 B.C. ~~XXXXXX~~ 4th c. BC
 (2 owls, AO)
- 192 3.19.37, #2 Athens, 3rd 1/4 3rd c. BC
 Athens, 283-261 B.C. (Owl r. with amphora)

Well 66/AZ. M 18:10

No coins listed

Aeschines St. cistern, S. chamber. L 17:7

Ph-343

~~8.12.57, #1~~

Illegible

~~-----, #2~~

Athens, fractional issue,
297-255 B.C. or 339-288 B.C.

Athens, 1st 1/3 3rd c. BC
(Owl r.)

~~-----, #3~~

Illegible

-344

8.13.57, #1

AR Athens, pre-Marathon

Athens, early 5th c. BC
(Silver tetradrachm unwreathed)

-394

20.6.58, #1

Athens, fractional issue,
probably 329-255 B.C. or
339-288 B.C.

Illegible Greek

Phaidon St. Cistern. O 17:5

North chamber

~~VIII.1.57, #1~~

Illegible

~~-----, #2 to #5~~

Disintegrated

-338

~~-----, #6~~

Athens, NS, II xi,
229-30 B.C.

Athens, 1st half 2nd c. BC
(Fulminating Zeus, eagle)

-339

~~-----, #7~~

Athens, NS, II k,
ca. 88 B.C.

Athens, 86 BC
(Ful. Zeus, star and crescent)

~~-----, #8~~

Disintegrated

-340

~~-----, #9~~

Athens, NS, II k,
ca. 88 B.C.

Athens, 86 BC
(Ful. Zeus, star and crescent)

Dump

~~VIII.1.57, #10 - #11~~

Illegible

~~-----, #12~~

Lead token

Passage from N. chamber

~~VIII.6.57, #1~~

Illegible

~~-----, #2~~

Disintegrated

-341

~~-----, #3~~

Arcadius, 383-408
(400-408)

Arcadius

Ph-342 ~~VIII.9.57, #1~~
 Illegible
 -----, #2 Athens, early 2nd c. BC
 Athens, fractional issue, (Owl r. on thunderbolt)
 255-229 B.C. or 289/8 - 261.
 -----, #3
 Illegible

X Well 72/OΔ. M 20:4

No coins listed.

X Cistern 75/OA. M 20:1

Fill I

- X-45 II.6.37, #11 Greek imperial, Severan period
Corinth, time of (extremely worn)
Commodus, 176-192 A.D.
- 46 -----, #12 Constantius II
Constantius II, 327-361 A.D.
- 47 -----, #13 Athens, 2nd c. to 86 BC
Delos, Ath. cleruchy, (Cicada/owl)
after 166 B.C.

Fill II

- 50 II.8.37, #8 Illegible Greek
Greek, probably
Athens, 3rd c. B.C.
- 51 -----, #9 Athens, 86 BC
Athens, NS, ca. 88 B.C. (Fulminating Zeus, star and crescent)
- 52 -----, #10 Corinth, 4th-3rd c. BC
Corinth, 400-146 B.C. (Pegasus/trident)
- 53 -----, #11 Athens, 2nd c. to 86 BC
Delos, Ath. cleruchy, (Cicada/amphora)
after 166 B.C.
- 54 -----, #12 Illegible Greek
Greek, probably Athens,
3rd c. B.C.
- , #13
Turkish
- 58 II.9.37, #6 Anonymous Byz., 10th-11th c. AD
Anon. Byz. coin,
Class Ib, 976-1034 A.D.
- 59 -----, #7 Illegible Greek
Greek
- 60 -----, #8 Athens, 2nd c. to 86 BC
Athens, NS, 229-30 B.C. (2 owls on thunderbolt)
- 61 -----, #9 Illegible Greek
Athens, 3rd c. B.C.
- 62 -----, #10 Illegible Greek
Greek, probably
Athens, 3rd c. B.C.

Fill III

- 65 II.10.37, #11 Illegible Greek
Greek
- 66 -----, #12 Athens, 2nd c. to 86 BC
Athens, NS, 229-30 B.C. (2 owls on thunderbolt)
- 67 -----, #13 Athens, last 1/3 4th c. BC
Greek (2 bodied owl)
- 72 II.11.37, #16 Athens, 1st 1/3 3rd c. BC
Athens, 3rd c. B.C. (Owl r.)
- 73 -----, #17 Athens, late 4th-1st 1/3 3rd c. BC
Athens, 307-283 B.C. (2 owls)
- 74 -----, #18 Illegible Greek
Athens, 3rd c. B.C.
- 75 -----, #19 Athens?, 1st 1/3 3rd c. BC
Athens, 307-283 B.C. (Owl r. or 2 owls)
- p76 -----, #20
Delos, Ath. cleruchy, after 166 B.C.

Fill IV (bottom fill)

- X-78 II.12.37, #5 Greek illegible
Athens, 3rd c. B.C.
- 79 -----, #6 Greek illegible
Athens, NS, 229-30 B.C.?
- , #7
Disintegrated

X Cistern 77/M and 75/MF. N 18:3
M-N 18:1

77/M

- 101 II.22.37, #3 Athens, 1st 1/4 2nd c. BC
Athens, NS, ca. 172 B.C. (Zeus holding thunderbolt, pro)
- 102 -----, #4 Boeotia, 220-197 BC
Boeotia, Thebes?, (Demeter/Poseidon)
ca. 220-197 B.C.
- 103 -----, #5 Greek illegible
Greek, possibly
Athens, 3rd c. B.C.
- 104 -----, #6 " "
Athens, 3rd c. B.C.
- 105 -----, #7 " "
Athens, 3rd c. B.C.?
- 106 -----, #8 " "
Athens, 3rd c. B.C.
- 107 -----, #9 Myrina (Lemnos), 3rd c. BC
Myrina, ~~Lemnos~~ (Facing owl)
Lemnos, ca. 300 B.C.
- ~~II.23.37, #15~~
?
- 114 -----, #16 Athens, 2nd c. BC or Antigonos
Athens, NS, 229-30 B.C. Gonatas, 277-235 (Cor. helmet)
- 115 -----, #17 Eleusis, (?) 3rd c. BC
Eleusis, money struck in Pile/Bakchos
name of Athens
- 116 -----, #18 Greek illegible
Athens, 3rd c. B.C.
- 122 II.25.37, #8 " "
Greek
- 123 -----, #9 " "
Athens, 3rd c. B.C.
- 127 II.26.37, #9 " "
Athens, 3rd c. B.C.

75/MF

- 128 II.27.37, #1 Greek, worn illegible
Greek, possibly Athens, (Helmeted Athena? Athens?)
NS, 229-30 B.C.
- 129 -----, #2 Greek illegible
Greek
- 134 III.1.37, #4 " "
Greek
- 135 -----, #5 " "
Greek, possibly Athens,
3rd c. B.C.

X-136

III.1.37, #6
Boeotia, Thebes?,
ca. 220-197 B.C.

Boeotian, 220-197 BC
(Demeter/Poseidon)

77/M, SW channel

-198

IV.3.37, #6
Athens, 307-283 B.C.

Athens, 1st 1/4 3rd c. BC
(Owl r. in corn wreath)

-199

-----, #8
Disintegrated
Greek, possibly Athens,
3rd c. B.C.

Illegible Greek

X Cistern 84/NZT and 79/H. N 19:1

N.B. The many coins from the upper fill require a deposit date no earlier than
ca. 0 BC/AD. The actual date should be, I believe
about a decade later, at the end of Augustus' reign.

84/NZT

Upper Fill

-19

I.30.37, #1
Greek, probably Athens,
3rd c. B.C.

Illegible Greek

-29

II.2.37, #6
Athens, NS, ca. 162 B.C.

Athens, second half 1st c. BC
(Apollo/Delios)

-30

-----, #7
Athens, NS, 229-30 B.C.

Athens, time of Augustus
(Owl r. on amphora or prow)

-31

-----, #8
Athens, NS, ca. 50 B.C.

Athens, 85-50 BC (ca.)
(Owl on amphora, bakkhos)

-32

II.4.37, #1
Athens, NS, 229-30 B.C.

Athens, time of Augustus
(Athena advancing, with snake)

-33

-----, #2
Delos, Ath. cleruchy,
after 166 B.C.

Athens or Delos, 85 after 85BC ?
(Apollo/lyre)

-34

-----, #3
Greek

Non-Athenian Greek, identification?

-41

II.6.37, #7
Greek, possibly
Athens, 3rd c. B.C.

" " " " " " " " " " " "

-42

-----, #8
Athens, NS, ca. 88 B.C.

Athens, 86 BC
(Fulminating Zeus, star and crescents)

-43

-----, #9
Athens, 3rd c. B.C.

Illegible Greek

-44

-----, #10
Athens, NS, 229-30 B.C.

Athens, time of Augustus
(Owl on prow)

-49

II.8.37, #7
Athens, NS, after 164 B.C.

Athens, ca. 50-40 BC
(Parthenos/tetrapod)

-57

II.9.37, #5
Delos, Ath. cleruchy,
after 166 B.C.?

Illegible Greek

-68

II.10.37, #14
Greek

Illegible Greek

-69

-----, #15
Athens, NS, 229-30 B.C.

Athens, 2nd c. to 86 BC
(2 owls on thunderbolt)

Middle Fill

-77

II.11.37, #21
Greek, possibly Athens,
3rd c. B.C.

Illegible Greek

-80

II.12.37, #8
Delos, Ath. cleruchy, after 166 B.C.

Athens, 2nd c. to 86 BC
(Cicada/owl)

- X-81 II.12.37, #9 Athens, 2nd c. to 86 BC
Athens, NS, 229-30 B.C. (2 owls on thunderbolt)
- 82 -----, #10 Illegible Greek
Greek
- 83 -----, #11 Athens, 2nd c. to 86 BC
Delos, Ath. cleruchy, (Cicada/owl)
after 166 B.C.
- 84 II.13.37, #1 Athens, 86 BC
Athens, NS, ca. 88 B.C. (Fulminating Zeus, star and crescents)
- 171 III.20.37, #10 Athens or Delos, 2nd or 1st c. BC
Delos, Ath. cleruchy, (?Apollo/cicada)
after 166 B.C.
- 172 -----, #11 Illegible Greek
Athens, 307-283 B.C.?
- 173 -----, #12 Illegible Greek
Greek
- 175 III.23.37, #2 Hermione, 4th c. BC
Hermione, 370-300 B.C.
- 179 III.24.37, #4 Illegible Greek
Greek
- 180 -----, #5 Illegible Greek
Greek, possibly Athens,
3rd c. B.C.
- 181 III.26.37, #1 Athens, 105-100 BC
Athens, NS, ca. 110-100 B.C. (Fulminating Zeus, 2 pilei)
- 183 III.27.37, #1 Illegible Greek
Greek
- 184 III.29.37, #1 Athens, 3rd 1/4 3rd c. BC
Athens, 283-261 B.C. (Owl r. with amphora)
- 188 III.31.37, #9 Illegible Greek
Greek
- 191 IV.1.37, #4 Athens, prob. 86 BC
Athens, NS, 190-187 B.C. (Fulminating Zeus, star and crescents)
- 192 -----, #5 Athens, 1st 1/4 3rd c. BC
Athens, 307-283 B.C. (Owl r. in corn wreath)
- 193 -----, #6 Illegible Greek
Greek

Bottom Fill

No coins listed

Unknown depths

- 213 V.18.37, #4 Athens, 86 BC
Athens, NS, ca. 88 B.C. (Fulminating Zeus, star and crescents)
- 207 IV.7.37, #2 Ptolemy II
Ptolemy II (Philadelphos),
ca. 285-266 B.C.

2 Cistern 60/IE. N 20:6

Upper Fill

- ~~II.21.38, #10~~
Greek
- ~~-----, #11~~
Greek?

Omega-100

- ~~-----, #12~~
Athens, 330-300 B.C. or later (Corinthian helmet)

~~II.21.38, #13~~
Disintegrated
~~II.23.38, #2~~
Not a coin
~~-----, #3~~
Greek

Dirt Pile

Omega-356 V.31.38, #4 Athens, 307-ca. 300 BC
Athens, 330-307 B.C. (Owl l.)
~~-----, #5~~
Greek
-359 VI.1.38, #2 Athens, 1st 1/4 2nd c. BC
Athens, NS, 229-197 B.C. (Zeus holding thunderbolt)

2 Cistern 67/IH - 68/IST. N 20:7

67/IH

Turkish Fill

II.15.38, #14
Turkish
-----, #15
Turkish
II.17.38, #1
Turkish

2.70 - 3.45

~~II.18.38, #10~~
Illegible
~~-----, #11~~
Turkish
~~III.1.38, #1~~
Athens, NS, 229-30 B.C.
~~-----, #2~~
Illegible
-125 -----, #3 Athens or Delos, 2nd or 1st c. BC
Delos, Ath. cleruchy, (?Apollo/amphora)
after 166 B.C.
-126 -----, #4 Athens, early 2nd c. BC (1st half
Athens, 330-300 B.C. (Owl r. on thunderbolt)
or later?

3.45 - 4.10

~~III.2.38, #37~~
Greek
-130 -----, #38
Athens, after 261 B.C.

Dirt Pile

-136 III.8.38, #27
Athens, 307-283 B.C.

Ω (Well 67/AF O 20:3
(Cistern 63/AA - 70/ΔΣT - 65/MA. O 20:1

No coins.

Ω Cistern 74/H. N 20:4

Upper Fill

Omega-134 III.7.38, #16 Athens, 2nd half 2nd c. BC
Athens, after 261 B.C. (Zeus/Athena Parthenos)
-----, #17
Greek
III.8.38, #23
Athens, NS, 229-30 B.C.

Transitional Fill

III.8.38, #24
Athens, 3rd c. B.C.
-----, #25
Athens, NS, 229-30 B.C.
III.9.38, #8
Athens, 3rd c. B.C.?

Middle Fill The many coins suggest that the deposit should be dated as close to 86 BC as possible. Say to within a decade after 86.

III.10.38, #6 Not a coin
-----, #7
Disintegrated
-----, #8
Athens, NS, 229-30 B.C.
-----, #9
Greek
-----, #10
Athens, 3rd c. B.C.
-----, #11
Athens, NS, 229-30 B.C.
-----, #12
Greek
-----, #13
Greek

-----, #14
Athens, 3rd c. B.C.
-140 -----, #15
Athens, NS, ca. 105 B.C. Athens, shortly after 86 BC
-----, #16 (Owl r. on amphora, one symbol)
Athens, NS, 229-30 B.C.

-141 -----, #17
Athens, NS, early 1st c. B.C.

-143 III.11.38, #3 Athens, 2nd half 2nd c. BC
Athens, after 261 B.C. (Zeus/Athena Promachos)

-144a -----, #4 Athens, 86 BC
Athens, NS, ca. 88 B.C. (Fulminating Zeus, star and crescents)

-145 -----, #5 Athens, 86 BC
Athens, NS, ca. 88 B.C. (Zeus, star and crescents)

-144b -----, #6 Athens, 86 BC
Athens, NS, ca. 88 B.C. (Zeus, 1 star) and crescents)

- Omega-144c III.11.38, #7 Athens, 86 BC
 Athens, NS, ca. 88 B.C. (Fulminating Zeus, star and ~~XXXXXX~~ crescents)
 -----, #8
 Lost under filing cabinet
 -----, #9
 Disintegrated
 -----, #10
 Illegible
 -----, #11
 Illegible
 -----, #12
 Disintegrated
- 151a III.12.38, #14 Athens, 86 BC
 Athens, NS, ca. 88 B.C. (Fulminating Z., star and ~~XXXXXX~~ crescents)
 -152 -----, #15 Ptolemaic, 3rd c. BC
 Methana, Ath. cleruchy,
 255-229 B.C.
- 151b -----, #16 Athens, 86 BC
 Athens, NS, ca. 88 B.C. (F.Z., star and crescents)
 -----, #17
 Illegible
- 153 -----, #18 Athens, 2nd c. to 86 BC
 Athens, NS, fractional (2 owls on thunderbolt)
 issue, 229-30 B.C.
 -----, #19
 Athens, 3rd c. B.C.
 -----, #20
 Athens, 3rd c. B.C.
- 154 -----, #21 Athens, early 2nd c. BC (1st half?)
 Athens, Imperial, (Owl r. on thunderbolt)
 fractional issue
 -----, #22
 Disintegrated
- 155a -----, #23 Athens, 86 BC
 Athens, NS, ca. 88 B.C. (F.Z., star and crescents)
 15155b -----, #24 Athens, 86 BC
 Athens, NS, ca. 88 B.C. (F.Z., star and crescents)
 -155c -----, #25 Athens, 86 BC
 Athens, NS, ca. 88 B.C. (F.Z., star and crescents)
 -156 -----, #26
 Delos, Ath. cleruchy,
 after 166 B.C.
 -----, #27
 Athens, NS, 229-30 B.C.
 -----, #28
 Illegible
 -----, #29
 Illegible
- III.14.38, #7
 Athens, NS, 229-30 B.C.
- 159a -----, #8 Athens, 86 BC
 Athens, NS, ca. 88 B.C. (F.Z., star and crescents)
 -160 -----, #9 Illegible Greek
 Athens, 330-300 B.C. or later?
 -159b -----, #10 Athens, 86 BC
 Athens, NS, ca. 88 B.C. (Fulminating Z., star and crescent
 -----, #11
 Greek

Omega-161 III.14.38, #12 Athens, 105-100 BC
 Athens, NS, ca. 110-100 B.C. (Fulminating Zeus, 2 pilei)
~~Disintegrated~~
~~Greek~~

Bottom Fill

-163 III.15.38, #10 Athens, 86 BC
 Athens, NS, ca. 98 B.C. (F.Z., star and crescents)
 -164 -----, #11 Athens, 85-ca. 70 BC
 Eleusis, money in (Veiled Demeter/Triptolemo)
 name of Athens

Dirt File

-294 V.10.38, #1 Illegible Greek
 Sciathos, Ath. cleruchy,
 255-229 B.C.
 -295 -----, #2 Greek, uncert. ident.
 Boeotia (Thebes?),
 ca. 220-197 B.C.
 -296 -----, #3 Athens, 86 BC
 Athens, NS, ca. 88 B.C. (F.Z., star and crescents)
 -297 -----, #4 Athens, late 4th-1st 1/3 3rd c. BC
 Athens, 307-283 B.C. (2 owls)
 -298 -----, #5 Athens, 2nd c. to 86 BC
 Athens, NS, fractional (2 owls on thunderbolt)
 issue, 229-30 B.C.
 -299 -----, #6 Athens, 2nd c. to 86 BC
 Athens, NS, 229-30 B.C. (Ful. Zeus or Athena Promachos)
 -300 -----, #7 Eleusis, 1st 1/3 3rd c. BC
 Eleusis, money in (Wreathed pig)
 name of Eleusis
 -----, #8
 Illegible
 -----, #9
 Greek
 -301 -----, #10 Athens, 2nd c. to 86 BC
 Delos, Ath. cleruchy, (Cicada/amphora)
 after 166 B.C.

THOUGHTS ON THE CHRONOLOGY OF 2ND CENT. BC NEW STYLE BRONZE COINS

The relative chronology of the pre-Sullan New Style bronze series has been pretty dependibly worked out on the basis of hoards (see, M. J. Price, Numismatic Chron. 1964, pp. 27 ff.). As one sees from the accompanying table, the series consists of three sub-series: Zeus holding thunderbolt (3 issues distinguished by symbols), Zeus fulminating, i.e. brandishing thunderbolt, (10 issues), and Zeus head/Athena brandishing spear (2 issues), which interrupts the Fulminating Zeus sub-series.

The full series is firmly anchored in two places at its end, Issue #15 to 86 BC and Issue ~~XXXX~~ #12 to a year in the period 105-100 BC. It will be noted that the last five issues then span no more than 15 to 20 years, giving an average interval of 4 or 5 years between individual issues.

The only earlier termini are provided by the construction fills of the Middle Stoa and the Stoa of Attalos. In both deposits the latest coin belongs to Issue #6. The fact that the same issue is the latest in both deposits strengthens the argument that no great interval intervened between the construction of the two buildings. (Just for the record, the last issue represented in a fill that probably goes with the construction of South Stoa II is Issue #5 ~~XX~~ --see coin list below, p. 52a). These fills provide no more than a terminus ante quem for Issue #6, but it is reasonable to ~~XXXXXX~~ suppose that the issue does not precede them by much on the grounds that the seven issues ~~XX~~ #6-12 (the last belonging at the very end of the second century) together should not have spanned much more than ca. 50 years, if the four issues #12-15 spanned only 15-20 years. Thus Issue #6 should probably be dated as ~~late~~ late

-h-

as possible, which is to say just before the construction of the two great stoas, which themselves should be dated as late as possible. If the Stoa of Attalos is to be placed ca. 150 BC (or a little afterward) and the Middle Stoa just a little before the Stoa of Attalos, Issue #6 should fall in the decade 160-150 BC. This argument is not, of course, conclusive, hinging as it does on how far issues #6-12 ~~stretch back~~ stretched back from the end of the second century. But from the standpoint of the coins, the shorter the span from the construction of the Middle Stoa to the end of the second century, the better.

As for the beginning of the "fulminating Zeus series (Issue #4), it would follow that if Issue #6 belongs no earlier than ca. 160 BC, then Issue #4 could hardly be any earlier than ca. 180 and may well belong to the 170's. This is of some importance for such deposits as the Komos cistern and the 1971 Omega cistern, both of which contain early Fulminating Zeus issues. ~~the~~ the Komos cistern deposit should indeed be dated to the second quarter of the second century BC is independently suggested by the hoard of Histiaeian silver tetradrachms that were excavated from the pottery-bearing fill of the cistern and that, according to the informed opinion of W. P. Wallace were deposited sometime after 168 BC, probably in the decade 160-150 BC (see discussion below, p. 12b). Query: is it possible that the Komos cistern ^{with} deposit could be nearly contemporary/(i.e., within about a decade of) the great Hellenistic stoas, as the coin evidence alone suggests?

Things get more tenuous when we attempt to fix the very beginning of the New Style bronze (Issue #1). But since Issue #6 is midway between Issues #1 and #12, and since some 50-60 years probably intervened between it and Issue #12, an approximate 50-60 years should also have elapsed between Issues #1 and #6--which would place Issue #1 at around 200 BC, plus or minus a decade. That the

-c-

Zeus holding thunderbolt series did not commence until ca. 210 or later is in any case independently confirmed by the fact that the series of bronze coins that precede it can be fixed quite securely in the period 229-ca. 215 BC.

At present it is hazardous to tie the chronology of New Style bronze to the chronology of New Style silver not only because the beginning-date of the latter is hotly disputed (and is likely to be for some time) but also because it is doubtful that the bronze and silver coinages of second century BC Athens were administered together, i.e., by the same decrees and authorities. However, for the record, it should be stated that today no one would date the earliest issue of New Style silver any earlier than 198, which could well be the date when the Zeus holding thunderbolt series began.

PRE-SULLAN NEW STYLE BRONZE -- RELATIVE CHRONOLOGY

1. Zeus holding thunderbolt, owl symbol
2. " " " ear of corn symbol
3. " " " prow symbol
4. Zeus fulminating, with eagle, star symbol
5. " " " " ear of corn symbol
6. " " " " cornucopiae symbol*
7. " " " " pileus symbol
8. Zeus head/Athena w. spear, ear of corn and snake symbols
9. " " " " " pileus, horse's head symbols
10. Zeus fulminating, with eagle, kernos and cornucopiae symbols
11. " " " " amphora symbol
12. " " , two pilei symbols
13. " " , BAKXOS symbol
14. " " thyrsus symbol
15. " " Mithradatic star and crescents symbol

105-100 BC***
86BC

* Latest issue in construction fillings of Middle Stoa and Stoa of Attalos

***Date arrived at independently from place of two pilei symbol in New Style silver series AND from hoard probably buried at time of second Laurion slave revolt, ca. 104-102 BC.

BRITISH SCHOOL OF ARCHAEOLOGY

52, ODOUS SOUEDIAS,

ATHENS, 140.

Tel. 710974

27. VIII. 64

Dear Miss Grace,

Professor Thompson has passed on to me your notes on the deposits that I intend to use in the article on Athenian bronze. Your comments are most pertinent and helpful, and I am most grateful for all the trouble that you have taken.

The article is really preparatory to a more comprehensive account of late Athenian bronze issues; and

I remain convinced that the deposits
of the Agora can be of the
greatest help in arranging the
chronology.

With very many thanks,

Yours Sincerely

Walter Rieu

COINS FROM HELLENISTIC DEPOSITS : MJ PRICE, 1964 - EDWARDS AND KROLL - KROLL 1979 VII-VIII

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