Byzantine monetary affairs during the 8th, 9th, 10th and 11th centuries

Volume 2

By Vassiliki Athanassopoulou-Peninas

Wolfson College

Thesis submitted for the Degree of Doctor of Philosophy at the University of Oxford

1990
APPENDIX I: Copper coinage of Michael II.

Class 1a.

*1. BMC 6 (Pl.xlviii.3) = HBN 2; W=5.98g.; D=22mm.
Flan smaller than dies. Crowns, Theophilus’ loros and outlines in dotted style.

*2. Berlin ex Rühle von Lilienstern = HBN 8; W=8.38g.; D=28mm.

*3. Cardiff = HBN 7; W=8.10g.; D=28mm.

*4. Schlumberger 2992 = HBN 24; W=7.45g.; D=28mm.

*5. BMC 8 (Pl.xlviii.4) = HBN 23; W=7.54g.; D=28mm.

6. Munich = HBN 22; W=7.89g.; D=30mm.
Crowns more conical than on previous specimens.

*7. DOC 9.8; W=7.02g.; D=31mm.

8. Athens. Numismatic Museum (AE 140 H'.7); W=6.70g.; D=30mm.

9. DOC 9.5; W=7.02g.; D=31mm.

*10. Weller (May 1974); W=7.66g.; D=28mm.

11. Weller (Oct.1972); W=7.94g.; D=29mm.

12. DOC 9.2; W=8.19g.; D=29mm.

*13. Athens, Numismatic Museum (Postolakas 12338); W=8.45g.; D=30mm.

*14. Birmingham 1624; W=?; D=28mm.

*15. Schlumberger 2988 = HBN 12; W=7.43g.; D=29mm.

*16. Berlin ex de Bose = HBN 9; W=6.64g.; D=28mm.

*17. Paris 820 = HBN 10= BNFCp/AE/05; W=8.10g.; D=28mm.
Die-duplicate of no.16.

18. Weller (May 1967); W=7.56g.; D=30mm.

*19. DOC 9.6; W=7.51g.; D=30mm.

*20. DOC 9.10; W=6.05g.; D=29mm.

*21. DOC 9.1; W=8.35g.; D=30mm.

22. Athenian Agora excavations = HBN 11; W=?; D=32mm.
23. Sherborne = Hen 21; W=7.64g.; D=30mm.
24. Doc 9.9; W=6.79g.; D=29mm.
*25. Doc 9.4; W=7.79g.; D=30mm.
*26. Corinth = Hen 3; W=7; D=29mm. (clipped).

Summary of details:
Obverse:
Drapery of Michael's chlamys.
Type I: nos.1-5,8,9,15. Type II: all the other specimens.

Number of pellets in top row of Theophilus' loros.
Four: nos.1.
Five: nos.2,3,6,20,21,24,26.
Six: nos.4,5,7,8,10,13-19,25.
Seven: nos.9,12.
Obscure: nos.11,22,23.

Necklines of Michael's chlamys and Theophilus' loros.
Semicircular: nos.1,6,9,12,15-21,24-26.
Rectangular: nos.3,10,13,14.
Rectangular neckline on chlamys and semicircular on loros: nos.2,4,5,7,8.
Obscure: nos.11,22,23.

Portraiture.
Theophilus' face is shorter than normal on nos.13-21 while nos. 22-25 are characterized by a "miniature" style with narrower and slightly taller busts than normal.

Inscriptions.
The lettering on nos. 1,3,7,10,11 is larger than elsewhere; that on nos. 18,20 and 22 much smaller.
On the obverse inscription of nos. 4,9-12,21,22,24,25 there is an A instead of the normal A.
Reverse:
The size of the Μ suggests the following groups:
   a) nos. 3-14.18.22-24.26: Broad Μ.
   b) nos. 2,15-17,19-21,25: Short and narrow Μ.
   c) no. 1: Lop-sided Μ.

The style of the Θ reveals other, smaller groups: on nos. 12.13.15-17.19 it is quite large and lemon-shaped, while on nos. 7-11.14.18.20 though roughly similar in size, it is of very regular shape without lop-sidedness. On the other specimens it is smaller. Coins no. 1 and 2 seem to be "experimental" since on no. 1 the Θ is extremely large, while on no. 2 it is very small and there is no intermediate specimen since the two coins are strongly interconnected by obverse die-similarities.

Class 1b.

*27. The Hague 13721= HBN 1; W=7.5g.; D=28mm.
   Die smaller than flan: blank band c.2mm wide round edge of coin.


*29. DOC 9.7; W=7.25g.; D=28mm.

*30. Selfe; W=6.83g.; D=27mm.

*31. HMC, 7= HBN 6; W=7.24g.; D=27mm.

   32. New York= HBN 4; W=7.32g.; D=29mm.

   33. Weller (July 1971); W=7.04g.; D=29mm.

*34. Cambridge= HBN 5; W=7.14g.; D=29mm.

*35. DOC 9.3; W=7.85g.; D=29mm.

   36. Weller; W=7.87g.; D=29mm.

*37. Schlumberger 2987= HBN 17; W=6.18g.; D=28mm.

*38. Schlumberger 2990= HBN 15; W=7.79g.; D=28mm.

   39. Kress Sale 135/951= HBN 16; W=?; D=29mm.

*40. Weller (May 1967); W=7.79g.; D=28mm.
Theophilus' portraiture very different from all specimens described above. Both busts are slightly taller. 4 pellets on loros. Some details of chlamys drapery, neckline and fibula with prominent loop like no. 41. Michael's portraiture very similar to nos. 37-39.

Summary of details:

**Obverse:**

**Drapery.**

Type I: nos. 30, 31, 34, 35, 41-42.

Type II: nos. 32, 33, 37-40.

**Number of pellets in top row of Theophilus' loros.**

Four: nos. 28, 29, 42.

Five: nos. 27, 30, 31, 32, 33, 35, 38.

Six: nos. 34, 37, 39, 40, 41.

Obscure: no. 36.

**Necklines of Michael's chlamys and Theophilus' loros.**

Semicircular: nos. 27-29, 31-33, 40, 41.


Rectangular but very shallow: nos. 34, 35.

Obscure: no. 36.

On some specimens Michael's right sleeve carries a rosette which varies in style: elaborate: no. 30; schematic: no. 37, 38; obscure: no. 27.

**Portraiture.**

Nos. 27-29 have rather short busts and short triangular faces but gradually the faces become longer and the busts slightly taller.

**Inscriptions.**

Michael's name bears either Α (nos. 29, 35, 37-41), or Α (nos. 27, 30, 31, 33, 42) or Α (nos. 32, 34).
Reverse:
Broad M: nos. 27-30, 38.
Tall and narrow M: nos. 36, 40, 41, 42.
The rest of the specimens show intermediate sizes of the letter M.
Lop-sided M: 27-33, 38.
On some specimens the vertical strokes of the M project from the
junction with the lateral ones: nos. 32, 33, 40-42.

The letters NNN of the small dies (nos. 27-30) are very narrow.

Reverse die-similarities between class 1a and 1b:

<table>
<thead>
<tr>
<th>1a</th>
<th>1b</th>
</tr>
</thead>
<tbody>
<tr>
<td>no. 1----no. 27-29, 31.</td>
<td>no. 21--no. 35, 20.</td>
</tr>
<tr>
<td>no. 16---no. 37.</td>
<td></td>
</tr>
</tbody>
</table>

Class 2:

*43. **BMC** 10= **HER** 14; W=7.62g.; D=28mm.
  Inscription divided: MIXA HL SOE OFILOS.
*44. Weller (July 1969); W=6.33g.; D=31mm.
  Very similar to no. 43 but inscription regularly arranged.
  45. **DOC** 10.4; W=7.81g.; D=29mm.
*46. **DOC** 10.2; W=8.16g.; D=29mm.
*47. Berlin ex von Gansauge= **HER** 20; W=7.44g.; D=27mm.
  48. **DOC** 10.9; W=7.56g.; D=32mm.
*49. **Birmingham** 3654; W=?; D=29mm.
Crowns, *loros*, strings of Michael's fibula and elaborate rosette
on right sleeve all in dotted style. Carefully executed but more
stylised than nos. 43-48. Theophilus' bust in full frontal pose
while on nos. 44-48 the different treatment of each shoulder
suggests imperceptible movement to right.
Summary of details:

Obverse:

Drapery.
Drapery on all specimens but no. 49 is of type II.

Number of pellets in top row of Theophilus' loros.
Four: nos. 43, 47, 49, 52, 53.
Five: nos. 44-46, 48, 51, 54, 55, 59-62, 64.
Six: nos. 50, 57, 58.
Obscure: nos. 56, 63.

Necklines of Michael's chlamys and Theophilus' loros.
Rectangular neckline on chlamys and semicircular on loros:
   nos. 43, 44, 45, 49, 50, 52-54, 57, 59, 60, 62. The semicircular neckline of loros is usually lop-sided.
Semicircular: nos. 46, 58, 61.
Rectangular: no. 47.
Obscure: nos. 48, 51, 55, 56, 63, 64.

Inscriptions.

Michael's name bears either an $\wedge$ (nos. 43-45, 51, 56-60, 64), or an $\wedge$ (nos. 46, 47, 49, 50, 52, 53, 63), or an $\wedge$ (nos. 55, 61, 62).
The lettering is smaller on nos. 43-48 than on nos. 50-65, while on no. 49 it is of an intermediate size.
On nos. 57, 60-64 it is fatter than on the rest of the specimens with large lettering.

Reverse:

M with deep V: nos. 43, 49; no. 43 bears a broader M than no. 49.
Short broad M: nos. 44, 45, 46-48, 53-56, 58, 64.
Short narrow M: nos. 51, 52, 59-61, 63.
Tall broad M: 57, 64.
Tall narrow M: nos. 50, 62; on both specimens the M is strongly lop-sided.

The letter $\Theta$ is of very regular shape; its shape reveals the following small groups: very large: nos. 43, 45, 48, 49; small and narrow: nos. 50-52; small egg-shaped: 60, 61; the rest of the specimens represent intermediate sizes.

Reverse die-similarities between class 1 and 2:

<table>
<thead>
<tr>
<th>1a</th>
<th>1b</th>
<th>2</th>
</tr>
</thead>
<tbody>
<tr>
<td>no. 5</td>
<td></td>
<td>no. 43</td>
</tr>
<tr>
<td>nos. 5, 32, 38</td>
<td></td>
<td>no. 44</td>
</tr>
<tr>
<td>no. 38</td>
<td></td>
<td>no. 49</td>
</tr>
<tr>
<td>no. 22</td>
<td></td>
<td>no. 46</td>
</tr>
<tr>
<td>no. 33</td>
<td></td>
<td>no. 47</td>
</tr>
<tr>
<td>no. 31</td>
<td></td>
<td>no. 51</td>
</tr>
<tr>
<td>nos. 7, 12</td>
<td></td>
<td>no. 54</td>
</tr>
<tr>
<td>nos. 31, 34</td>
<td></td>
<td>no. 56</td>
</tr>
<tr>
<td>no. 6</td>
<td></td>
<td>no. 57</td>
</tr>
<tr>
<td>nos. 4, 22, 16, 23, 24</td>
<td></td>
<td>no. 58</td>
</tr>
<tr>
<td>no. 7</td>
<td></td>
<td>no. 60</td>
</tr>
</tbody>
</table>
Class 3:

*65. Athens, Numismatic Museum (AE 141 H' 7): W=6.50g.; D=30mm. The obverse appears to have been struck with a repaired die of class 2. Theophilus' bust clearly has two heads, superimposed. The one head belongs to a bust considerably shorter than that of Michael on the left. Careful inspection reveals the cross of this bust's crown at the same height as Michael's eyes and shows also traces of alteration in Michael's bust. Pierced.


*67. Vien = HBN 26: W=7.75g.; D=32mm.

*68. Vien = HBN 27: W= 8.27g.; D=30mm.

*69. Vien = HBN 28: W= 8.15g.; D=30mm.

*70. The Hague = HBN 29: W=8.30g.; D=31mm.


Summary of details:

Obverse:

Drapery of Michael's chlamys: type I.

Number of pellets in top row of Theophilus' loros.
Four: nos.65-68.
Five: nos.69,70.
Obscure: no.71.

Necklines of Michael's chlamys and Theophilus' loros.
Semicircular: nos.65-69.
Rectangular neckline on chlamys and semicircular on loros: no.70.
Obscure: no.71.

Portraiture.

On specimen no.70, the portraiture of both co-rulers is different from that on nos.66-69: their busts are shorter, while Theophilus' locks of hair are less bushy.
Inscriptions.
All the specimens appear to bear an A on Michael's name.

Reverse:
All the specimens bear a tall broad M. On nos.70,71 it is slightly narrower.

The letter Θ, is small and egg-shaped; on nos.67,70 it is taller and lop-sided.

Reverse die-similarities between class 2 and 3.

<table>
<thead>
<tr>
<th>2</th>
<th></th>
<th>3</th>
</tr>
</thead>
<tbody>
<tr>
<td>no. 57.--------------------------------------no. 67.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>no. 58--------------------------------------no. 70.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>nos. 60,61------------------------------------no. 71.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Class 4a.

*72. Bern= HBN 49; W=7.47g.; D=28mm.
*73. Birmingham 3379.
    74. DOC 10.3; W=7.84g.; D=31mm.
    75. Schlumberger 2909= HBN 37; W=7.94g.; D=31mm.
    76. DOC 10.6; W=7.76g.; D=30mm.
*77. DOC 10.8; W=7.68g.; D=31mm.
*78. Weller (Sept.1969); W=6.21g.; D=30mm.
*79. Athens, Numismatic Museum (1891-2 Θ' 79); W=6.84g.; D=29mm.
*80. Athens, Numismatic Museum (1891-2 Θ' 77); W=6.84g.; D=29mm.
*81. Athens, Numismatic Museum (1902-1903 ΚΔ' 54); W=5.27g.; D=30mm.
*82. Selfe; W=6.66g.; D=27mm.
83. Weller (May 1974); W=5.99g.; D=30mm.
84. Berlin 157/1909= HBN 40; W=7.46g.; D=30mm.
85. Kress Sale 132/966= HBN 47; W=?; D=29mm.
*86. **Birmingham 3379**: W=?; D=30mm.

*87. Peus Sale 279/444: W=7.67g.; D=30mm.

*88. Cambridge CH 3396-1950, ex Buss 3610= **HBN 41**: W=7.02g.; D=31mm.

*89. Athens, Numismatic Museum (1891-2 Θ' 78): W=7.32g.; D=28mm.

Summary of details.

**Obverse:**

*Drapery of Michael's chlamys*: entirely of type 2.

**Number of pellets in top row of Theophilus' loros.**

*Four*: nos. 76,78,85.

*Five*: nos. 72-75, 77, 79-84, 86-89.

**Necklines of Michael's chlamys and Theophilus' loros.**

*Narrow rectangular on chlamys and semicircular lop-sided on loros*: nos. 72-74, 76, 77, 81, 82, 84-88.

*Semicircular*: nos. 75, 78-80, 83, 89.

**Inscriptions.**

On specimens nos. 77, 78, 80 & 86 the lettering is small and very much reminiscent of classes 1a & 1b.

*Michael's name bears either an A (nos. 74, 76, 78, 79, 82-87, 89) or an Α (nos. 73, 77, 80, 81, 88) or an Α (75, 77).*

**Reverse:**

*Narrow tall lop-sided M*: nos. 72-81, 85.

*Broad shorter lop-sided M*: nos. 77-80, 82-84, 86, 87, 89.

*Broad regular M*: no. 88.

*The letter Θ is generally small, regular and egg-shaped.*

---

**Class 4b.**

*90. **Weller** (Sept. 1969): W=7.04g.; D=30mm.

*Crowns and loros in dotted style.*
Summary of details:

Obverse:
Drapery of Michael's chlamys: type 2.

Number of pellets in top row of Theophilus' loros.
All the specimens except no. 98 bear four pellets; no. 98 bears five.

Necklines of Michael's chlamys and Theophilus' loros.
Narrow rectangular on chlamys and semicircular on loros:
nos. 90-93, 95, 96, 104.
Semicircular: nos. 94, 99, 100, 102, 103.
Obscure: nos. 97, 98, 101.

Inscriptions.
Large lettering: nos. 90-97.
Small lettering: nos. 98-103.
On the second run the emperor's busts are shorter and smaller with even higher crosses on their crowns than on the first run.

Michael's name bears either an A (nos.90,94,97,99,100-104), or an A (nos.91,92) or an A (no.95).

Obscure: nos.93,96,98.

Reverse:
Tall narrow and lop-sided M: no.90.
Tall broad M: nos.96,99,104.
Short M: a: nos.91,100,101; b: broader M than previous run: nos. 94,99,102; c: very similar to previous run but thinner limbs and wider V: nos.95,98; d: narrower M: no.97.
Very small M: nos.92,103.

The letter Θ is generally small either egg-shaped or lemon shaped. On no. 90 it is rather large and a duplicate of no.74 of the previous class.

Class 4c:

*105. HNC 9 = HBW 30; W=7.26g.; D=31mm.

*106. DOC 11; W=7.56g.; D=30mm.

Summary of details:

Obverse:
Four pellets in top row of Theophilus' loros.
semicircular necklines.
Michael's name with A.

Reverse:
Tall broad M and large XXX and NNN: very heavily seriffed type: no.105.
Tall broad M very reminiscent of class 4b: no.106.
Revers die similarities among class 4a, 4b and 4c.

4a 4b 4c
nos. 74, 77, 79, 84———no. 90.
no. 83———no. 97.
no. 86———no. 96.
no. 88———no. 94.
no. 104———no. 106

Revers die similarities between class 2 and 4.

2 4a 4b
no. 51———no. 77
no. 50———nos. 72, 76, 82.
no. 61———no. 83.
no. 51——————no. 90.
no. 60———nos. 97 6100.
no. 53——————no. 94.

Revers die similarities among the different classes of Michael's copper coinage:

---

Class 1

Class 2

Class 3

Class 4

---
APPENDIX II: Pre-reformed copper coinage of Theophilus

Class 1a

*1. Schlumberger 3010= HBN 52; W=7.57g.; D=30mm.
2. DOC 13.6; W=6.98g.; D=32mm.
*3. DOC 13.6; W=7.45g.; D=29mm.
4. Berlin ex von Gansauge (1873)= HBN 56; W=6.51g.; D=29mm.
5. ANS= HBN 57; W=?; D=29mm.
6. Weller (Oct. 1972); W=7.85g.; D=30mm.
7. Birmingham 1608; W=?; D=30mm.
8. Paris 822= HBN 65; W=7.46g.; D=32mm. Worn.
9. DOC 13.4; W=7.55g.; D=32mm.
*10. Selke; W=7.05g.; D=27mm.
11. DOC 13.10; W=5.44g.; D=28mm.
*12. Vienna= HBN 68; W=7.05g.; D=29mm.
13. BMC 15= HBN 58; W=6.8g.; D=28mm.
*14. Thessalonici, Rotunda n.129; W=7.50g.; D=30mm.
15. DOC 13.3; W=7.76g.; D=30mm.
16. Sardis 1109; W=8.80g.-8.00g.; D=34mm.
17. Kress Sale 132/968=HBN 53; W=?; D=30mm.
18. Schlumberger 3019; W=8.48g.; D=31mm. Worn.
19. Weller (July 1970); W=6.80g.; D=30mm.
20. DOC 13.7; W=6.86g.; D=29mm.
21. Birmingham 1607; W=?; D=30mm.
*22. Bryer; W=7.16g.; D=34mm.
23. Weller (July 1971); W=7.39g.; D=28mm.
Summary of details:

no.1: elaborate style; restruck on follis of Michael II (most probably on class 4a).
no.2: obverse near-duplicate of no.1.
nos.3-5: similar but emperor's face longer and more triangular; large obverse lettering.
no.6: similar but four-fold drapery instead of three.
no.7: similar but drapery arranged in eight dense folds; cross without staff.
no.9: similar but cross with staff; drapery in six dense folds; more space between fibula strings which form triangle.
no.10: very similar to no.7 but fibula strings bolder; drapery in five oblique folds.
nos.11-13: very similar.
no.14: very similar to no.1-2, but drapery in seven very dense folds; face more rounded and slightly broader; even smaller lettering.
no.15: very similar, but drapery in five oblique folds.
nos.16-17: similar but cross without staff.
no.19,21: emperor's face similar to no.14 but slightly more triangular; fibula strings form triangle; six-fold drapery; very small lettering.
no.20: similar to nos.14-18 but crown's cross taller.
nos.22-23: very long face; eyebrows angular; very large lettering.

The size of M on the reverse is generally small either broad (nos.:7, 8, 10, 20) or narrow (nos.22, 23) although there are intermediate examples.
On nos.14, 15, 18 it is tall and very much reminiscent of Michael's class 1a (i.e nos.5 and 9).

Class 1b


*25. Spions from Turkey (now in Ashmolean): W=6.68g.; D=31mm.
26. **Brussels**  = HBN 62; W=; D=28mm.


28. **Vienna** = HBN 61; W=8.0g.; D=28mm.

29. **Kress Sale** 132/967=HBN 60; W=; D=28mm.


32. **Weller** (July 1971); W=5.83g.; D=27mm.

33. **Birmingham** 6119; W=; D=26mm.

34. **Weller** (May 1967); W=7.67g.; D=30mm.

35. **DOC 13.1**: W=8.29g.; D=28mm.

36. **DOC 13.2**: W=8.00g.; D=28mm.

37. **DOC 13.9**: W=5.52g.; D=27mm.

38. **Weller** (July 1971); W=5.40g.; D=27mm.


40. **AMS** = HBN 63; W=; D=28mm. Worn.

41. **Spinks from Turkey**; W=6.95g.; D=29mm.

42. **DOC 13.8**: W=6.57g.; D=30mm.

43. **Spinks from Turkey**; W=5.67g.; D=28mm.

44. **Ex Goodacre Collection**; W=; D=28mm. (see text)

45. **Selfe**; W=7.05g.; D=30mm. (see text).

**Summary of details:**

**nos. 24, 25:** broad face with bulbous nose; body reduced in size; la fibula strings form triangle; drapery in four oblique folds.

**no. 26:** similar, but short cross on crown; drapery in two layers. Cross without staff.

**no. 27:** very similar but drapery similar to no. 24.

**nos. 28–32:** similar but spade-shaped face.
nos. 33–39: similar but emperor's face as on no. 7.
nos. 41, 42: similar but very large lettering.
no. 43: quite different from other class 2b coins; crude style and very bushy locks of hair.
The M on the reverse is generally similar to nos. 22 and 23 of the previous class but there are examples (i.e. no. 25) showing an intermediate sized broad M similar to no. 2. Some specimens (nos. 26–28) bear a narrow, tall and lop-sided M, which is very much reminiscent of some *folios* of Michael II's class 2, though of smaller size.

Class 2.

46. DOC 14; W=7.58g.; D=31mm.
47. Birmingham; W=?; D=31mm.
*48. Berlin 194/1918= HBN 70; W=6.90g.; D=29mm.
49. HHC 17= HBN 71; W=7.52g.; D=30mm.

Summary of details:
	nos. 1–2: Constantine's *loros* with six pellets.
nos. 3–4: Constantine's *loros* with five pellets
Appendix III: The reformed folles of Theophillus: Class 3.

Group A.

A/1:

Run a:

*1. HV1; W=0.03g.; D=27mm.
*2. HV52; W=8.24g.; D=28mm.
*3. Weller(April 1968); W= 7.66g.; D=28mm.

The obverses of these three specimens are die-duplicates. The emperor's face is broad with a slightly pointed jaw and bulbous nose. The curly locks of hair at the side of his head are depicted as waves with shading lines running parallel to the curve of the jaw and starting at the level of the nostrils. The specimens bear all the main features of subgroup A/1. The lettering on the reverse is small and rather neat.

Run b:

*4. BMP AE/07; W=7.22g.; D=27mm.
*5. DOC 15a.7; W=7.83g.; D=29mm.
6. Weller; W=6.86g.; D=29mm.

The emperor's face is broad with a rounded jaw, a slightly round-tipped nose and deep, arched eyebrows. The style of the hair is very similar to that on the previous run of coins.

Obv: Nos.4 and 5: 6 1/2 pairs of dots on transverse panel of loris and 5 pairs of dots on skirt panel (a deviation that does not figure in Metcalf's classification); neckline almost semi-circular; undotted rectangular free end of loris; drapery
in elaborate style but only a single shading line over the emperor's right arm.

Rev: no. 4: very similar to nos. 1-3 but even neater.

nos. 5 and 6: larger and less neat lettering, especially in first line.

**Run c:**

*7. DOC 15a5; W=8.04g.; D=28mm.*

*8. Weller (April 1968); W=8.36g.; D=27mm.*

The emperor's face is narrower and longer than in the previous run, while the hair is similar in style but bushier at the sides. The depiction of the free end of the *loros* is very close to that on run b.

**Obv:** no. 7: 6 1/2 pairs of dots on transverse panel of *loros* and 4 in skirt panel; *tufa* similar to nos. 1-6.

no. 8: 7 1/2 and 5 pairs of dots on transverse panel of *loros* and on skirt respectively; scallop-shaped six-dotted *tufa.*

Rev: no. 8: unequal sized letters and a characteristic T with a dropping bar; rough workmanship.

**Run d:**

*9. Berlin 2; W=8.61g.; D=30mm.*

*10. AW 2; W=7.28g.; D=27mm.*

*11. AW 13; W=8.29g.; D=29mm.*

*12. Weller (Sep. 1969); W=7.23g.; D=28mm.*

*13. AW 12; W=7.70g.; D=28mm.*

*14. Weller (Aug. 1969); W=7.66g.; D=27mm.*

*15. Thessaloniki (Rotunda 180); W=5.70g.; D=27mm.*

*16. Hesperia 25; W= ?; D=26mm.*
The emperor's face is similar in shape to that of run c, but noticeably shorter, while the locks of hair on both sides of the jaw are fuller than on the previous runs.

Each of the eight specimens of this run, however, has slightly different characteristics from the others, as regards the number of dots on the transverse and skirt panels as well as the style of the drapery of the emperor's divitision:

no. 9: 7 1/2 and 5 pairs of dots on transverse and skirt panels of loros respectively; divitision with elaborate drapery; normal fan-shaped six-dotted tufa.

no. 10: 6 1/2 and 4 pairs of dots respectively.

no. 11: very similar to no. 10 but style of drapery less elaborate.

nos. 12 & 13: extremely similar to each other: 6 pairs of large dots on transverse panel of loros and 4 on skirt; six-dotted tufas as on table 1.

nos. 14 & 15: drapery of divitision still elaborate; lop-sided, five-dotted tufa; 6 1/2 pairs of large dots on transverse panel of loros and 3 on skirt; rectangular banner of labarum larger than before with bold dots at corners; lop-sided and fat-limbed cross on globus; free end of loros inclines to the triangular; dot at emperor's throat.

no. 16: same type of tufa as no. 14, but six-dotted; emperor's face slightly more triangular, with a rather squat nose.

Rev. no. 15: faulty inscription: ASUOUSTE instead of AVGOVSTE.

Run e:

*17. Weller (July 1971); W=7.50g.; D=28mm.

*18. Weller (June 1968); W=5.30g.; D=27mm.

The general expression of the emperor's face and the treatment of the hair is very similar to run d, though the head is longer.
The most remarkable difference from the previous runs is that the obverse inscriptions have a small regular s, instead of a straight or wavy ligature attached to the end of Theophilus' name (ΘΕΟΦΙΛΟΣ).

Obv: nos. 17 & 18: 6 1/2 pairs of dots on transverse panel of loros and 5 on skirt; six-dotted scallop-shaped tufa; dot at emperor's throat.

Rev: no. 17: small crude lettering with two mistakes: instead of S in SV and an E instead of C in NICAS.

Run f:

*19. AW 53; W=8.17g.; D=27mm.

*20. Weller (April 1968); W=6.97g.; D=28mm.

21. BMP AE/06; W=8.22g.; D=25mm.

The emperor's portrait is very similar to that on the previous run, but wider. The three specimens resemble each other closely: they bear 6 1/2 pairs of large dots on the transverse panel of the loros and 3 on the skirt, a stylized drapery similar to nos. 17 & 18, and a boat-shaped neckline.

Some differences in secondary details suggest the following sequence for the three specimens:

a: no. 19: two shading lines over emperor's right arm; large rectangular banner on labarum; similar to nos. 13, 17, 18; dotted intersections on free end of loros; fan-shaped six-dotted tufa as on table 1.

b: no. 20: no shading lines over emperor's right arm; free end of loros triangular; a very regular six-dotted tufa; small rectangular labarum.
c: no. 21: almost a die-duplicate of previous coin with an off-centre cross on globus.

*22. Elsen Sale 63/212= 55/182=49/217; \( W=6.39g.; D=26mm. \)
Obv. Very different from previous specimens: attribution to subgroup A/1 not certain. 6 pairs of dots on slightly curved transverse panel of loros and 3 1/2 on skirt-panel. Drapery of divitision quite schematic. Rectangular undotted free end of the loros typical of subgroup A/1. Small rectangular banner to labarum. Scallop-shaped tufa similar to no.8 but slightly taller with 7 dots (Table I).
Rev. Error in inscription: S instead of \( S \) in second line. T with dropped bar and C in NICAS very opened.

A/2.
23. Weller (June 1968); \( W=8.45g.; D=27mm. \)
*24. NW10; \( W=9.10g.; D=29mm. \)
25. AMS 8; \( W=7.98g.; D=29mm. \)
*26. Weller (July 1970); \( W=5.90g.; D=25mm. \)
27. Giannena (Archaeological Museum); \( W=7.40g.; D=28mm. \)
*28. NW6; \( W=7.57g.; D=27mm. \)
*29. NW3; \( W=8.03g.; D=27mm. \)
*30. Oxford 2; \( W=7.08g.; D=27mm. \)
*31. NW14; \( W=6.84g.; D=29mm. \)
32. Weller (June 1968); \( W=8.31g.; D=27mm. \)

Details as regards the number of dots on the panels of the loros and the type of the tufa may be summarized as follows:

no. 23: 6 1/2 pairs of dots on transverse panel of loros and 3 on skirt; lop-sided six-dotted tufa; triangular free end of loros.
no. 24: 5 pairs of dots on transverse panel and 4 on skirt:
lop-sided four-dotted *tufa*.

nos. 27, 29: similar but six-dotted elongated *tufa* like a fully opened fan, similar to most examples of subgroup A/1.

nos. 30, 31: similar but four-dotted *tufa*.

nos. 25, 26, 28: 5 1/2 pairs of dots on transverse panel; six-dotted *tufa* less decisively cut than previous specimens.

no. 32: canopy-shaped *tufa*.

The reverses may be divided into three groups:

nos. 23, 25, 26, 29, 32: small sparse lettering with inconsistently shaped *r* and *s*.

nos. 27, 28 and 31: small rather neat lettering densely packed; similar type of *r*.

no. 24: large, heavily seriffed lettering reminiscent of no. 17 (group A/1), but narrower and slightly taller.

A/3

Run a.

*33. *Hesperia* 34; W= ?; D=29mm.

*34. Wien 2; W=8.67g.; D=29mm.

35. Athens, Numismatic Museum (12340a); W= 7.41g.; D=29mm.

The emperor is depicted with a very long face and linear hair style. The three specimens vary considerably in detail:

no. 33: elongated transverse panel of *loros* with 6 1/2 pairs of dots; six-dotted *tufa* with two lower sides slightly curved.

no. 34: more linear style than previous specimen; slightly lop-sided four-dotted *tufa*.

no. 35: quite similar to no. 34, but with a different labarum and a slightly curved transverse panel of *loros*. 
Run b.

*36. AN 7; W=7.08g.; D=26mm.
*37. Wien 4; W=6.62g.; D=26mm.
*38. Weller (July 1971); W=8.38g.; D=30mm.

39. Elsen Sale 43/100; W=?; D=29mm.

The emperor has a short, rather rounded, face.

no.36: tall, rather wide, nine-dotted *tufa* (Table 1).
nos.37-39: near duplicates; large transverse panel of *loros* wider at top than at bottom; two vertical pendants on *labarum*; small scallop-shaped *tufa* decorated with four dots.

Run c.

*40. Hesperia 31, W=?; D=29mm.
*41. AN 6; W=7.89g.; D=29mm.

The emperor’s face is broad and rounded at the jaw. His hair at the side is thicker than on any specimen of the previous runs. The general expression of the emperor’s face is dominated by his rather fleshy lips. Both specimens bear a nine-dotted *tufa*, as does no.36, but the arrangement is different (see Table 1). The distinctive portraiture of nos.40-41, suggest that their die-sinker was not the one responsible for no.36.

Run d.

*42. DOC 15a.6; W=7.86g.; D=28mm.
*43. Weller (April 1969); W=6.05g.; D=27mm.

44. Weller (July 1961); W=7.06g.; D=26mm. Very worn.
*45. Elsen Sale 24/80; W=6.95g.; D=27mm.
The emperor's face is long and egg-shaped, like the face of Rub a, but the style of execution resembles painting and the hair is thicker, with fuller locks.

**nos. 42 and 43:** 6 1/2 pairs of dots on transverse panel of *loros* and 4 on skirt; very naturalistic six-dotted *tufa* closely reminiscent of the A/1a run.

**no. 45:** similar; half-moon nine-dotted *tufa* (Table 1).

---

**A/4**

**Run a.**

*46. 28T9; W=8.33g.; D=28mm.*

*47. Weller (July 1970); W=5.34g.; D=28mm.*

*48. 28V4; W=8.00g.; D=26mm.*

*49. DOC 15a; W=8.14g.; D=29mm.*

On these specimens the emperor's face is very broad with an intense expression.

**nos. 46 and 47:** near duplicate obverses; transverse panel of *loros* slightly curved with 5 1/2 pairs of dots on transverse panel of *loros* and 2 1/2 on skirt.

**nos. 48 and 49:** exhibit several deviations from the original design and their chronological position in the run is very difficult to determine.

**no. 48:** Linear style; 6 1/2 pairs of dots on transverse panel of *loros*; hasty execution has led to omission of pendants of labarum; the staff is in front of the emperor's arm, an innovation which probably appeared when the issue of A/4 was well under production.

**no. 49:** emperor's individual features more vividly depicted than on nos. 46 and 47; transverse panel of *loros* elongated with 6 1/2 pairs of dots; narrow six-dotted *tufa*; free end of *loros* wide and rather triangular with a dot at each corner as a fringe.
Run b.

50. Weller (August 1969); W=7.66g.; D=29mm.

51. Oxford 5; W=6.81g.; D=24mm.

*52. Weller (July 1971); W=6.78g.; D=28mm.

*53. MW 11; W=6.71g.; D=27mm.*

*54. HNC 20; W=8.39g.; D=28mm.

55. Weller (August 1969); W=7.38g.; D=28mm.

56. Weller (July 1971); W=6.09g.; D=28mm.

57. Weller (April 1969); W=6.12g.; D=28mm.

*58. Athens, Numismatic Museum (1891/2 Θ 75); W=7.27g.; D=26mm.

59. Athens, Numismatic Museum (1891/2 Θ 74); W=7.73g.; D=25mm.

60. Weller (July 1970); W=5.30g.; D=27mm.

The emperor's face is slightly narrower and less rounded than on the previous run.

nos. 50 and 51: duplicate obverses; six-dotted tufa and 5 1/2 pairs of dots on transverse panel of loris and 2 1/2 on skirt. 
nos. 52, 54-57: 6 1/2 pairs of dots on loris and 3 1/2 on skirt. 
no. 53: 7 1/2 and 3 1/2 dots while nos. 58 and 60 4 1/2 dots on transverse panel of loris.

Run c.

*61. Hesperia 36; W=?; D=27mm.

62. Stavrides Collection; W=8.83g.; D=28mm.

63. MW 5; W=7.91g.; D=25mm.

*64. Weller (April 1968); W=6.63g.; D=26mm.

*65. Weller (September 1969); W=6.74g.; D=26mm.

The emperor's face has now become triangular.
no.65: extremely linear style; the emperor is depicted with very rough traits and the banner of labarum has no pendants.

nos.64 and 65: 6 pairs of dots on transverse panel of *loros*, while the rest 4 1/2.

Reverse die-similarities among the Group A specimens:

B/1:

*66. NM 54; W=8.17g.; D=27mm

*67. Weller; W=6.95g.; D=27mm

68. Weller (April 1968); W=6.19g.; D=28mm.

*69. NM 55; W=6.66g.; D=29mm.

*70. NM 24; W=8.00g.; D=28mm.
71. Weller (July 1971); W=6.89g.; D=29mm.
72. Kress sale; W= ?; D=28mm.
73. Weller (July 1970); W=8.62g.; D=28mm.
74. Elsen Sale 74/304; W=7.01g.; D=27mm.
75. Berlin 6; W=7.58g.; D=26mm.
76. BMC 25; W=8.26g.; D=29mm.
77. Berlin 7; W=5.99g.; D=30mm.
78. BMC 26; W=8.73; D=29mm.
79. Weller (April 1968); W=8.85g.; D=30mm.
80. Philippi (Excavation of Octagonon); W=6.50g.; D=28mm. Very worn.
81. AW 25; W=8.43g.; D=28mm.
82. Stavrides' Collection; W=7.35g.; D= ?.
83. Weller (Oct. 1972); W=6.28g.; D=28mm.
84. Athens, Numismatic Museum (AE 142 H' 17); W=7.23g.; D=26mm.
85. Weller (July 1970); W=6.77g.; D=29mm.
86. DOC 15a.3; W=8.58g. (pierced); D=28mm (pierced).
87. Weller; W=8.40g.; D=27mm.
88. Weller (Oct. 1972); W=6.58g.; D=27mm.
89. Kress Sale 135/953; W=?; D=27mm.
90. AW 26; W=7.30g.; D=29mm.
91. DOC 15a.12; W=6.48g.; D=27mm.
92. Henry; W=7.51g.; D=29mm.
93. Weller (Aug. 1969); W=7.79g.; D=28mm.

94. Thessalonika (Rotunda 951a); W=7.95g.; D=28mm.
95. Weller (Aug. 1969); W=6.39g.; D=28mm.
96. Campbell; W=7.43g.; D=29mm.
nos. 66-67: obverse and reverse die-duplicates: 5 1/2 pairs of dots on transverse panel of *loros*; other details obscure.

no. 68: obverse near-duplicate to previous specimens.

no. 69: 6 pairs of dots on *loros* and 3 1/2 on skirt; skirt panel rectangular; three parallel lines as free end of *loros* ending in five-dotted fringe; elongated six-dotted *tuta*; square labrum with dots at corners of banner and dotted cross.

no. 70: very similar to no. 69 but 5 1/2 pairs of dots on *loros*.

nos. 71-74: very similar to nos. 69 and 70.

no. 75: 6 1/2 pairs of dots on *loros*; free end with four-dotted fringe.

no. 76: seven dotted *tuta* (Table 2); long free end of *loros* without fringe.

no. 77: emperor's face slightly smaller. 5 1/2 pairs of dots on *loros*; lop-sided six-dotted *tuta*; fringe at free end of *loros*.

no. 78: similar but only 2 1/2 pairs of dots on skirt.

no. 79: similar but 6 1/2 pairs of dots on *loros*; free end of *loros* parallel to *divitision* and not oblique as previous specimens; normal-shaped *tuta*.

nos. 81, 82, 83: similar to no. 77 but 5 pairs of dots on *loros*. No. 82 obverse die-duplicate to no. 81.

no. 84: similar but 2 1/2 pairs of dots on skirt.

no. 85: similar but 6 1/2 pairs of dots on *loros* and 4 on skirt.

no. 86: similar but ten-dotted *tuta* (table 2).

nos. 87, 88, 89: similar to no. 85 but 5 1/2 pairs of dots.

no. 90: emperor's face longer and more triangular.

nos. 91, 92, 93: similar.

no. 94: Different style of portraiture (see text); 6 1/2 pairs of dots on *loros* and 3 1/2 on skirt; no fringe.

nos. 95-96: see text.

B/2

*97. M 17: W=6.96g.; D=28mm.

*98. M 18: W=7.85g.; D=28mm.

99. M 20: W=8.15g.; D=29mm.

*100. Philippi (Excavation of Octagonon): W=8g.; D=29mm.
101. **AW** 21; W=6.24g.; D=22mm.

*102. **AW** 19; W=8.49g.; D=30mm.

*103. Weller (July 1961); W=6.61g.; D=28mm.

104. Weller (April 1969); W=7.75g.; D=28mm.

105. Weller (June 1968 from Izmir); W=6.96g.; D=28mm.

*106. Vienna 3; W=5.55g.; D=27mm.

107. **AW** 23; W=8.20g.; D=29mm.

*108. Weller (April 1968); W=7.60g.; D=28mm.

109. Oxford 1; W=?; D=28mm.

*110. **AW** 22; W=6.82g.; D=28mm.

111. Weller (Oct. 1972); W=8.06g.; D=28mm.

112. Munich 3; W=6.71g.; D=28mm.

*113. DOC 15c.2; W=7.97g.; D=29mm.

*114. DOC 15c.3; W=5.70g.; D=29mm.

no. 97: 5 1/2 pairs of dots on transverse panel of oros, 4 on skirt; free end of oros as in B/1; inscription reads: ΘΕΟΦΙΛ bASILE; four-dotted tufa.

nos. 98, 99, 102: similar; three-dotted tufa.

no. 100: similar; inscription reads: bASIL.

no. 101: similar; six-dotted tufa (Table 2).

no. 103: similar; free end of oros with three-dotted fringe.

nos. 106, 107, 108: similar; no. 107 with four-dotted tufa.

no. 110: similar, but without free end of oros at all, and without pendants on labarum.

no. 111: similar, but labarum with two tiny pendants.

no. 112, 113, 114: quite worn and details obscure; five-dotted tufa; erratic workmanship; dots of skirt panel of oros outside their squares; incomplete oros.
Reverse die-similarities between group A and B:

<table>
<thead>
<tr>
<th>A/1:</th>
<th>no.4</th>
<th>no.19</th>
<th>no.6</th>
</tr>
</thead>
<tbody>
<tr>
<td>B/1:</td>
<td>no.69</td>
<td>no.78</td>
<td>no.94</td>
</tr>
<tr>
<td></td>
<td></td>
<td>no.71</td>
<td></td>
</tr>
<tr>
<td>B/2:</td>
<td>no.97</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>A/2:</th>
<th>no.23</th>
<th>no.25</th>
<th>no.26</th>
<th>no.28</th>
</tr>
</thead>
<tbody>
<tr>
<td>B/1:</td>
<td>no.73</td>
<td>no.88</td>
<td>no.85</td>
<td>no.79</td>
</tr>
<tr>
<td></td>
<td>no.85</td>
<td>no.87</td>
<td>no.84</td>
<td></td>
</tr>
<tr>
<td></td>
<td>no.88</td>
<td>no.89</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>no.92</td>
<td>no.93</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>A/4:</th>
<th>no.51</th>
<th>no.54</th>
</tr>
</thead>
<tbody>
<tr>
<td>B/1:</td>
<td>no.75</td>
<td>no.70</td>
</tr>
<tr>
<td></td>
<td>no.77</td>
<td>no.72</td>
</tr>
<tr>
<td></td>
<td>no.81</td>
<td></td>
</tr>
<tr>
<td></td>
<td>no.84</td>
<td></td>
</tr>
</tbody>
</table>
Group Γ

*115. *Hesperia* 54; W=?; D=26mm.

116. *Weller* (July 1971); W=6.69g.; D=30mm.

*117. *DM 56; W=7.40g.; D=27mm.*

118. *Hesperia* 57; W=?; D=26mm.

119. *Athens, Numismatic Museum* (12340b); W=8.53g.; D=30mm.

*120. *Bendall* (ex Thessalonika); W=7.93g.; D=31mm.

*121. *Thessaloniki* (Rotunda 508a); W=3g.; D=27mm.

*122. *DM 57; W=8.98g.; D=31mm.*

123. *Stavrides Collection; W=626g.; D= - .

124. *Hesperia* 56; W=?; D=26mm.

125. *Hesperia* 55; W=?; D=26mm.

*126. *DM 15; W=8.60g.; D=30mm.*

*127. *DM 59; W=6.72g.; D=27mm.*

128. *DM 58; W=5.98g.; D=28mm.

129. *Stavrides Collection; W=7.85g.; D= - .

130. *Giannena* (Archaeological Museum); W=6.45g.; D=26mm.

131. *Weller* (July 1971); W=7.75g. D=28mm.

*132. *DM 16; W=7.03g.; D=27mm.*

*133. *Weller* (July 1970); W=4.72g.; D=28mm.

134. *Weller* (April 1968); W=6.23g.; D=30mm.

**no. 115:** 4 1/2 pairs of dots on transverse panel of *loros* and 4 on skirt. Row of dots along outer edge of free end of *loros.*

**no. 116:** Uncertain numbers of dots on transverse panel of *loros,* 4 pairs of dots on skirt; long, rectangular free end of *loros* with 5 pairs of dotted squares; row of dots along outer edge of free end; no contraction mark after Theophilus' name.
nos. 117, 118, 120, 122, 123: 5 1/2 pairs of dots on transverse panel of *loros* and 3 on skirt; free end of *loros* shorter than on nos. 115-116.

no. 119: similar with 4 dots on fringe of free end of *loros*: shorter free end of *loros* than on no. 117.

no. 121: die-duplicate of no. 120.

nos. 124, 125: very similar to no. 121.

no. 126: similar but 4 1/2 pairs of dots on transverse panel of *loros*: crown, elongated six-dotted *tufa*, *loros*, shaft of labarum, neckline in dotted style.

no. 127: similar but emperor's face slightly more rounded.

no. 128: die-duplicate of no. 127.

nos. 129, 130, 131, 132, 133: similar but emperor's face slightly smaller.

no. 134: similar but in cruder style.

Reversed exceptions between Group F and A or B:

---

Group A

Δα

*135. Fitzwilliam 5: W=?; D=24mm.*

136. Stavrides Collection: W=3.86g.; D= -. 
*137. **MW** 60: W=4.29g.; D=24mm.


*139. **DOC** 16a.1: W=5.13g.; D=24mm.

*140. **MW** 28: W=5.04g.; D=25mm.

*141. **MW** 29: W=4.50g.; D=24mm. Worn

*142. **Athens,** Numismatic Museum (1901/2 KB 60): W=3.56g.; D=25mm.

*143. **Rauch Sale** 35/6074: W=?; D=24mm.

*144. **Weller** (Oct. 1972): W=2.81; D=24mm.

*145. **Elsen Sale** 53/101: W=4.02g.; D=24mm.

*146. **DOC** 16a.2: W=4.87g.; D=25mm.


*148. **MW** 64: W=4.90g.; D=24mm.

*149. **Zurich** 49: W=4g.; D=25mm.

*150. **Weller** (June 1968): W=4.65g.; D=24mm.

*151. **AMS** 4: W=4.24g.; D=24mm.

*152. **Weller** (Aug. 1967): W=5.02g.; D=24mm.

*153. **MW** 65: W=5.38g.; D=26mm.

*154. **PDW** 2: W=4.7g.; D=26mm.

*155. **MW** 27: W=4.63g.; D=24mm.

*156. **DOC** 16a.3: W=3.61g.; D=26mm.

*157. **Ratto** 1826: W=?; D=25mm.

*158. **MW** 67: W=2.95g.; D=23mm.

*159. **MW** 62: W=4.22g.; D=25mm.

*160. **Weller** (July 1970): W=2.78g.; D=23mm.

*161. **Schlumberger** 3033: W=3.15g.; D=23mm.

*162. **Stockholm:** W=4.68g.; D=25mm.

*163. **Berlin** 8: W=3.85g.; D=25mm.
164. Weller (July 1971); W=2.64g.; D=22mm.
165. Weller (July 1970); W=2.82g.; D=22mm.
166. Schlumberger 3032; W=; D=22mm.
167. Weller?; W=2.70g.; D=25mm.
168. Fitzwilliam; W=4.43g.; D=25mm.
169. AW 70; W=3.74g.; D=24mm.
*170. AW 71; W=3.54g.; D=22mm.
*171. Weller (July 1971); W=3.77g.; D=24mm.
*172. Weller (April 1968); W=5.83g.; D=24mm.
*173. DOC 16.b8; W=1.97g.; D=18mm. Clipped
174. Weller (Oct. 1972); W=3.38g.; D=22mm.
175. Weller (April 1968); W=3.90g.; D=23mm.

Nos. 135, 136: 5 1/2 pairs of dots on transverse panel of Ioros and 2
1/2 on skirt; tufa obscure; triangular free end of Ioros with
four-dotted fringe at the end.
Nos. 137, 138: very similar but 4 pairs of dots on transverse panel
of Ioros; three-dotted tufa; no fringe at free end of Ioros.
No. 139: 2 1/2 pairs of dots on skirt panel; four-dotted tufa; free
end of Ioros divided into 5 pairs of squares.
Nos. 140, 142, 143: emperor's face more rounded; 3 pairs of dots on
skirt panel of Ioros.
Nos. 144, 145: similar.
No. 146: 5 pairs of dots on transverse panel of Ioros.
No. 147: worn but emperor's face triangular.
No. 148: similar to previous specimens but in a cruder style; 4
pairs of dots on transverse panel of Ioros.
No. 149: emperor's portrait very similar to nos. 135-137 but the
drapery over emperor's left hip is reduced to a couple of shading
lines; banner of labarum without pendants; inscription reads:
EOFL/.
no. 150: similar; banner of labarum with pendants.

no. 151, 155: emperor's face smaller than on previous specimens; small scallop-shaped *tufa*; 4 pairs of dots on transverse panel of *loros* and 3 on skirt.

no. 152: near-duplicate of no. 151; large orb.

no. 153: similar; emperor's *tufa* stands on stalk and *globus* highest at level of emperor's shoulder.

nos. 154, 156-158, 161-165: similar but very small orb; quite linear style.

no. 159: generally similar to no. 158; very dense drapery over emperor's left hip.

no. 160: very crude style; beard and crown in dotted style; 5 1/2 pairs of dots on transverse panel of *loros* and 3 on vertical.

nos. 166, 167, 168, 169: style even more irregular; undotted skirt panel of *loros*; *tufa* as isosceles triangle.

no. 170, 171: very linear style; four-dotted *tufa*; dotted free end of *loros* treated as on group B.

nos. 172, 174, 175: same linear style; different portrait of emperor.

no. 173: very similar to *folles* of group E.

Ab

*176. DW 61; W=4.60g.; D=23mm.*

*177. DW 30; W=4.41g.; D=26mm.*

178. Athens, Numismatic Museum (12340e); W=3.54g.; D=23mm.

179. PDV 1; W=3.45g.; D=23mm.

180. Weller (July 1971); W=3.77g.; D=21mm.

181. Athens, Numismatic Museum (12340z); W=2.45g.; D=20mm.

182. Weller (Sept. 1969); W=4.48g.; D=22mm.

183. Weller (July 1970); W=2.60g.; D=20mm.

184. Athens, Numismatic Museum (1902/3 KD' 55); W=4.43g.; D=23mm.

185. DW 66; W=3.64g.; D=23mm.

186. Weller (July 1971); W=3.87g.; D=23mm.

no. 176: very similar to nos. 135-138 but drapery over emperor's left hip mirror image of \( A/2 \): 4 1/2 pairs of dots on transverse panel of \( loros \) and 3 on skirt; very neat workmanship.

no. 177: very similar but emperor's face slightly shorter; four-dotted \( tufa \); 4 pairs of dots on skirt panel of \( loros \).

no. 178: similar but emperor's face longer; 5 pairs of dots on transverse panel of \( loros \) and 2 1/2 on skirt.

no. 179: 3 1/2 pairs of dots on skirt panel of \( loros \).

no. 180: very similar to no. 178 but 4 1/2 pairs of dots on transverse panel of \( loros \) and 4 on skirt; three-dotted \( tufa \).

no. 181: similar to no. 176.

nos. 182-186: similar to no. 181.

no. 187: similar but in a linear style.

AC

*188. Schlumberger 3035; W=4.32g.; D=25mm.

*189. DOC 16b.7; W=2.95g.; D=22mm.

190. Weller (July 1971); W=2.50g.; D=22mm.

191. Vienna 5; W=5.40g.; D=22mm.

*192. MW 33; W=4.86g.; D=23mm.

193. Weller (July 1970); W=5.1g.; D=22mm.

194. Weller (April 1968); W=3.30g.; D=22mm.

195. Vienna 6; W=3.05g.; D=22mm.

196. Sofia; W=3.12g.; D=21mm.

*197. DOC 16.b3; W=4.34g.; D=23mm.

*198. Weller (April 1969); W=4.16g.; D=22mm.

199. Stavrides' Collection; W=4.96g.; D=23mm.

*200. Schlumberger 3031; W=4.64g.; D=23mm.

201. Ratte 1827; W=?; D=22mm.
*202. Weller (Aug. 1969); W=2.36g.; D=24mm.
*203. Weller (July 1970); W=3.35g.; D=23mm.
*204. \[224\] 34; W=3.12g.; D=21mm.
*205. Weller (Oct. 1972); W=2.44g.; D=20mm.
206. Kress Sale 135/954; W=?; D=20mm.
207. DOC 16b.4; W=3.35g.; D=22mm.
*208. DOC 16b.6; W=3.01g.; D=21mm.
209. Weller (July 1971); W=4.57g.; D=23mm.
*210. \[224\] 68; W=3.41g.; D=23mm.
211. DOC 16b.2; W=5.05g.; D=24mm.
*212. Weller (Oct. 1972); W=3.62g.; D=23mm.
213. Weller (July 1971); W=4.29g.; D=24mm.
*214. \[224\] 31; W=4.05g.; D=21mm.
*215. DOC 16c; W=3.59g.; D=26mm.
216. Elsen Sale 37/440; W=4.38g.; D=23mm.
217. \[224\] 32; W=4.18g.; D=23mm.
218. Weller (Sept. 1969); W=3.11g.; D=21mm.
219. Weller (May 1974); W=2.45g.; D=21mm.

no. 188: emperor's portrait quite similar to no. 142 but emperor has reversed lopos; three-dotted tufa.
no. 189: near-duplicate of no. 188; 5 1/2 pairs of dots on transverse panel of lopos and 3 on skirt.
no. 190: extremely similar to no. 189.
no. 191: emperor's portrait very similar to no. 162.
no. 192: similar to no. 191.
nos. 193-206: similar.
nos. 207, 208: extremely similar to no. 206; inscription reads \[\Theta\] EOF.
no. 209: very similar to n. 208; inscription duplicate of n. 195.
nos. 210, 211, 213: emperor's face very long; very small orb.
no. 212: similar but three-dotted tufa.
no. 214: emperor's face broad and long; cross in field.
no. 215: similar; inscription reads ΘΕΟΦΛ/.
no. 216: similar but four-dotted tufa; inscription reads as on
no. 215.
no. 217: extremely similar to n. 209; cross in field.
no. 218: extremely similar to no. 204; cross in field. ΘΕΟΦ/.
no. 219: similar; inscription reads normally.

Reverses:

Δα : nos. 135-140:
Δβ : nos. 176, 177, 179:
Δγ : no. 191, 212
small neat lettering with narrow V's and broad E's: very much
reminiscent of some Α/3 reverses——— nos. 43-45.

******

Δα : nos. 141-158, 160-166:
Δβ : nos. 170, 180-187:
very similar to previous run but even smaller lettering.

******

Δα: no. 159, 173:
Δγ : no. 192:
lettering very much reminiscent of group B———i.e

******

Δα: nos. 167-172:
nos. 167-169 very similar to nos. 95 and 96 (Α/3).
Δβ nos. 170-172:
Δγ : nos. 188, 189, 191-211, 213-219:
very similar to some Α/3 reverses———nos. 33, 34, 37.

______________________________________
Group E

*220. Hesperia 63; W=?; D=24mm.

*221. DOC 15a.11; W=7.26g.; D=27mm.

*222. DOC 15a.16; W=5.87g.; D=29mm.

*223. Stockholm; W=5.13g.; D=24mm.

*224. JV 37; W=7.59g.; D=27mm.

*225. DOC 15b; W=6.61g.; D=27mm.

226. Athens, Numismatic Museum (12340 g'); W=7.57g.; D=26mm.

227. BMP AE/11; W=6.72g.; D=23mm.

no. 220, 221, 222: four-dotted tufa extremely similar to no. 174.
no. 223: very similar but emperor's face more rounded; 5 pairs of dots on transverse panel of Ioros and 2 on skirt instead of 6 1/2 & 3 1/2; no pendants on labarum?
nos. 224, 225, 226, 227: similar but 6 1/2 pairs of dots on transverse panel of Ioros and 3 on skirt.

Reverse die-similarities among groups E, B and A.

<table>
<thead>
<tr>
<th>E no. 221</th>
<th>no. 225</th>
</tr>
</thead>
<tbody>
<tr>
<td>B nos. 74,92</td>
<td>nos. 66,67</td>
</tr>
<tr>
<td>A/1 nos. 14,16</td>
<td></td>
</tr>
</tbody>
</table>

Group S

S/1a

*228. JV 38; W=4.01g.; D=27mm.

229. Hesperia 65; W=?; D=28mm.

230. Weller (June 1968 from Izmir); W=7.18g.; D=27mm.
231. **Weller (July 1970)**: W=4.31g.; D=27mm.

*232. **F6W 39**: W=6.59g.; D=30mm.

*233. **Weller (Sept. 1969)**: W=7.81g.; D=30mm.

*234. **Weller (Aug. 1969)**: W=5.92g.; D=28mm.

235. **Stavrides Collection**: W=8.07g.; D=?

236. **Weller (April 1968 from Antalya)**: W=7.89g.; D=30mm.

*237. **Paris 825**: W=5.31g.; D=29mm.

*238. **Weller (July 1970)**: W=5.71g.; D=29mm.

*239. **Weller (Sept. 1969)**: W=4.35g.; D=27mm.


241. **Weller (Sept. 1969)**: W=3.77g.; D=25mm.

242. **Hesperia 74**: W=?; D=27mm.

243. **Hesperia 69**: W=?; D=30mm.

244. **Hesperia 75**: W=?; D=27mm.

*245. **Berlin 1**: W=6.41g.; D=28mm.

*246. **Kavala (Archaeological Museum)**: W=7.45mm.; D=27mm.

*247. **PDW 5**: W=6.02g.; D=27mm.

248. **Weller (Oct. 1972)**: W=5.98g.; D=25mm.

249. **Sherborn**: W=7.96g.; D=28mm.

250. **PDW 72**: W=5.27g.; D=29mm.

251. **Hesperia 73**: W=?; D=27mm.

252. **Weller (Oct. 1972)**: W=7.87g.; D=29mm. (**"mule" S/1 and Z**)

253. **Weller (Sept. 1969)**: W=6.83g.; D=29mm. (**"mule" S/1 and Z**)

*254. **Hesperia 119**: W=?; D=29mm. (**"mule" S/1 and Z**)

255. **Stavrides' Collection**: W=4.92g.; D=?

256. **Bryer**: W=5.25g.; D=27mm. (**"mule" S/1 and Z**)

*257. **Weller (1971)**: W=4.63g.; D=26mm. (**"mule" S/1 and Z**)
On these coins the *tufa* is decorated with four dots, while the banner of the *labarum* has no pendants.

The emperor's face is normally long, but there are examples on which it is shorter and has more intense features and on a group of six specimens (nos. 236-241), of which four are near duplicates, it is rather broad.

The hair is depicted by a wavy line at each side of the head terminating in an extremely bushy lock.

Some specimens lack the abbreviation mark after Theophilus' name (nos. 242, 247, 248).

The lettering of the reverse type is normally small. Nos. 252-257, however bear a quite different type of lettering, which is larger and in an even cruder style, with a dropped T; these are apparently S/Z "mules".

**no. 228**: 4 1/2 pairs of dots on transverse panel of *loros* and 2 on skirt; triangular free end of *loros* with dotted intersections. Long face; *globus* cruciger contiguous with emperor's shoulder; dotted style.

**no. 229**: extremely similar but with 10 dots on transverse panel of *loros* (4 pairs, 2 single dots on lower row).

**nos. 230, 231**: 5 pairs of dots on transverse panel of *loros*.

**nos. 232, 233**: similar but emperor's face rounded at jaw and skirt panel of *loros* with 3 pairs of dots.

**nos. 234, 235**: similar but emperor's face smaller.

**no. 236**: emperor's face more triangular than on previous coins; 10 dots on transverse panel of *loros* as on no. 229.

**no. 237**: very similar but 4 1/2 pairs of dots on transverse panel of *loros,* 2 on skirt.

**no. 238**: Obverse die-duplicate of no. 237.

**nos. 239-244**: similar.
no. 245: extremely similar to no. 244 but free end of loros with dotted intersections.

no. 246: extremely similar to no. 245; the coin shows traces of repaired die: above the lock of hair to right of emperor's face there is the trace of a second tassel-like one.

no. 247, 248: very similar to nos. 245-246 but free end of loros shorter and wider without intersections.

no. 249: 3 pairs of dots on transverse panel of loros.

no. 250: 4 pairs of dots.

no. 251: die-duplicate(?) of no. 249.

no. 252: similar to no. 249.

no. 253: quite similar to n. 251; dotted intersections at free end of loros.

no. 254: obverse die-duplicate of no. 252.

nos. 255, 256, 257: very similar to no. 254.

---

S/1b

*258. Weller (1969); W=7.32g.; D=29mm.  ("mule" S/1 and Z)

259. Munich 1; W=?; D=29mm.  ("mule" S/1 and Z)

*260. Elsen Sale 41/55; W=6.12g.; D=27mm.  ("mule" S/1 and Z)

The only major difference between these coins and those of the previous run is that the banner of the labarum has pendants. In addition, the free end of the loros is depicted without dotted intersections, is shorter, and ends in a three-dotted fringe that is most clearly apparent on no. 258.

The reverses of all those specimens are also made by dies of group Z.

no. 258: very similar to no. 229 but 5 1/2 pairs of dots on transverse panel of loros. 3 on skirt; short rectangular free end
of *loros* divided into 3 undotted pairs of squares; three-dotted fringe; inscription reads: ΘΕΟΦΙ.

no.259,260: very similar but 4 1/2 pairs of dots on transverse panel of *loros*, 2 on skirt; lop-sided *tufa*.

S/1c

*261. Rhesperia 77; W=; D=27mm.*

*262. DOC 15a.14; W=6.22g.; D=29mm.*

*263. Weller (Aug.1967); W=7.61g.; D=27mm.*

*264. DOC 15a.9; W=7.55g.; D=28mm.* (S/A3 "mule").

On this run the emperor's face is smaller with less intense features and the locks of hair which flank it, while similar to these on the other runs, are much more schematised.

On nos.261 and 262, which are near-duplicate and on no.264 the six-dotted *tufa* is elongated, while on no.263 it is slightly shorter and raised, and the dots are disposed in a rather slovenly fashion:

The free end of the *loros* is narrow on nos.261 and 262, but wide on no.263 while that on no.264 has dots at the intersections.

The lettering of the obverse inscription is invariably small though on no.263 it is slightly larger. No.264 is actually an S/A3 "mule".

no.261,262,263: 5 1/2 pairs of dots on transverse panel of *loros*, 3 on skirt; emperor's portrait smaller than on previous run; six-dotted *tufa*.

nos.264: generally similar to nos.261-263 but emperor's face longer.

======================================================================
This run of coins resemble the previous one quite closely in terms of its general workmanship, the imperial portrait and its use of the six-dotted _tufa_, but the banner of its labarum carries no pendants.

The obverse inscription has no abbreviation mark reading simply ΘΕΟΦΙ ἈΣΙΙ.

Both specimens have extremely similar reverse lettering. The most striking feature of this lettering is the very small Τ in the third line of the inscription.

nos. 265, 266: very similar to no. 260 but labarum without pendants; inscription reads: ΘΕΟΦΙ ἈΣΙΙ; traces of overstriking.

Group S/2

S/2a

*267. _Hesperia_ 87; W=?; D=30mm.
*268. _HW_ 73; W=6.67g.; D=29mm.
*269. _DOC_ 15d. 2; W=7.69g.; D=30mm.
270. Stavrides' Collection; W= 5.93g.; D= ?.
271. _DOC_ 15d. 3; W=7.39g.; D=29mm.
*272. _Hesperia_ 92; W= ?; D=29mm.
*273. _HW_ 40; W=7.48g.; D=30mm.
*274. _Hesperia_ 80; W= ?; D=29mm.
*275. _HW_ 43; W=7.92g.; D=28mm.
276. _HW_ 44; W=7.63g.; D=29mm.
277. Stavrides' Collection; W=5.49g.; D= ?.
278. Weller (July 1971); W=5.68g.; D=29mm.
279. *Weller* (April 1968); W=7.29g.; D=28mm.
280. *Weller* (June 1968); W=6.85g.; D=30mm.
281. *Weller* (Sept. 1969); W=7.92g.; D=29mm.
282. *Stavrides' Collection*: W=6.27g.; D=?.
283. *Weller* (July 1971); W=6.05g.; D=28mm.
284. *Weller* (Oct. 1972); W=3.44g.; D=28mm.
286. DOC 15d.5; W=6.79g.; D=27mm.
287. *Hesperia* 95; W=?; D=27mm.
288. *Hesperia* 93; W=?; D=27mm.

In this run the *tufa* is elongated and bears six dots, while the banner of the labarum is without pendants.

The emperor's face is normally long and the head is usually reminiscent of that of coins of S/1a, having similarly shaped locks of hair, though here they are denoted by shading lines which are absolutely horizontal.

The obverse inscription is executed in a rather slovenly way and may be abbreviated to ΘΕΟΦΙ ΒΑΣΙ to ΘΕΟΦΙ ΒΑΣΙ2 (nos. 268, 287, 288), or to ΘΕΟΦΙ ΒΑΣΙ (no. 278).

The form of the reverse lettering is quite consistent throughout the run and very similar to that on regular reverses of group S/1a.

**nos. 267-288:** 5 1/2 pairs of dots on transverse panel of *loros* and 3 1/2 on skirt.
**no. 273:** emperor's face slightly shorter.
**no. 275:** emperor's face rounded.
**no. 283:** emperor's face slightly longer.
**no. 288:** three-dotted *tufa*.
The coins of this run have a six-dotted tetra, and pendants on the banner of the labarum.

The emperor's portrait and the workmanship in general is very much reminiscent of S/1c and S/1d.

The obverse carries the normal inscription ΘΕΟΦΙΛ ΒΑΣΙΛ in a rather small lettering.

Most of the reverse dies are very much alike, though the treatment of the T in the third line allows us to distinguish two styles of lettering. For example, on some specimens this has a rather long vertical bar with disproportionately short horizontal
ones (nos. 289, 296). In general the reverse dies of S/2b show close affinities with those of S/1c and also with A3 reverses (see text).

no. 291: similar to the previous specimens but emperor's face smaller and more triangular.

no. 292: obverse die-duplicate of no. 291.

no. 294: obverse near-duplicate of nos. 291-292.

no. 296: generally similar to previous specimens but emperor's face slightly rounded; very similar to n. 290.

no. 301: similar to previous specimens but emperor's portrait in slightly linear style.

no. 302: very similar but in an even linear style.

Group Z

Z/1a

305. AW 49; W=6.36g.; D=27mm.

306. Schlumberger 3028; W=5.50g.; D=29mm.

307. Weller (Sept. 1969); W=6.31g.; D=28mm.

308. Comotine; W=?; D=30mm.

309. Weller (July 1971); W=3.33g.; D=29mm.

*310. Weller (Sept. 1969); W=3.97g.; D=27mm.

311. AW 48; W=8.94g.; D=30mm.

312. Bendal (from Psophis)=Elsen Sale 61/144; W=6.68g.; D=28mm.

no. 305: worn, so number of dots on loros uncertain; emperor's face long and shading lines for locks of hair at sides not quite parallel to curve of jaw.

no. 306: 5 1/2 pairs of dots on transverse panel of loros, 3 on skirt; emperor's jaw rounded.

no. 310: similar to previous specimens but in even cruder style.

no. 311: emperor's face slightly shorter.
**313.** DOC 17.1: W=8.20g.; D=28mm.

**314.** NW 46: W=5.78g.; D=28mm.

**315.** Stockholm 1: W=6.66g.; D=29mm.

**316.** *Hesperia 125:* W=?, D=30mm. (Z/Sia "mule")

**317.** *Hesperia 131:* W=?, D=27mm. (Z/Sid "mule").

**318.** Weller (Sept. 1969): W=6.38g.; D=27mm.

**319.** Weller (Sept. 1969): W=4.23g.; D=27mm.

**320.** *Hesperia 122:* W=?; D=27mm.

**321.** Weller (Aug. 1967): W=5.92g.; D=26mm. (Z/ia "mule").

**322.** Weller (Oct. 1972): W=5.24g.; D=27mm. ( * ).

**323.** Weller (Oct. 1972): W=4.82g.; D=25mm.

**324.** Weller (Sept. 1969): W=3.87g.; D=24mm. (Z/ia "mule")

**no. 313:** 4 1/2 pairs of dots on transverse panel of *loros.*

**no. 314:** 4 pairs of dots on transverse panel of *loros,* 3 on skirt.

**no. 315:** 5 pairs of dots on transverse panel of *loros.*

**no. 316:** 4 1/2 pairs of dots on transverse panel of *loros.*

**no. 318:** hair more bouffant.

**no. 319:** 4 pairs of dots on transverse panel of *loros* and 2 on skirt.

**no. 320:** even crude style; 3 pairs of dots on transverse panel of *loros,* 2 on skirt; emperor's face wide.

**no. 323:** emperor's face very small.

=================================

**Z/2**

**325.** Weller (July 1967): W=8.27g.; D=29mm.

**326.** Weller (Oct. 1972): W=5.72g.; D=28mm.

**327.** Weller (June 1968): W=5.75g.; D=27mm. (Z/Sia "mule")
328. Weller (July 1971): W=6.51g.; D=27mm. (Z/A "mule")
330. PDW 6; W=6.47g.; D=28mm.
332. DOC 17.2; W=7.05g.; D=29mm.
333. DOC 17.3; W=6.64g.; D=27mm. (Z/A "mule")
334. DOC 17.4; W=6.17g.; D=27mm.
335. Weller (July 1971): W=5.61g.; D=30mm.
*336. Weller (Oct. 1972); W=4.13g.; D=27mm.
337. M/47; W=9.90g.; D=31mm. (Z/S "mule")
338. Stavrides' Collection; W=?; D=?.
339. Weller (April 1969); W=5.76g.; D=30mm.
340. M/45; W=5.73g.; D=28mm.
341. DOC 17.5; W=6.17g.; D=27mm. (Z/S "mule")
342. Weller (April 1968); W=3.76g.; D=27mm.
*343. Weller (Aug. 1967); W=6.39g.; D=26mm.
344. M/76; W=5.75g.; D=27mm. (Z/S2b "mule")
345. Weller (July 1970); W=6.85g.; D=27mm.
346. Weller (April 1968); W=6.10g.; D=28mm.
347. M/50; W=6.22g.; D=30mm.
348. Athens, Numismatic Museum (AE 143 H' 7); W=6.17g.; D=26mm.
349. Weller (Sept. 1969); W=6.65g.; D=28mm.
350. Weller (July 1971); W=5.38g.; D=27mm.
351. Weller (1969); W=5.68g.; D=28mm.
352. M/51; W=?; D=27mm.
353. Hesperia 144; W=?; D=24mm.
354. Hesperia 147; W=?; D=24mm.
355. *Hesperia* 133; W=7.0g.; D=26mm.
356. *Elsen Sale* 58/193; W=5.70g.; D=27mm.
*357. *AW* 76; W=4.93g.; D=25mm. (Z/S2b "mule")

**no. 325:** similar to 306. Rev.: Very irregular, struck over previous type and inscription very confused.

**no. 327:** dots on *tufa* disposed as on table 4.

**no. 328:** very bouffant hair; small, rather neat lettering.

**no. 332:** very crude style.

**no. 333:** very similar to no. 331 but emperor's jaw pointed.

**no. 343:** in neater style and emperor's bust in three-quarter view.

**no. 346:** shading lines of left lock of emperor's hair run outwards.

**no. 347:** five-dotted *tufa*.

**no. 355:** HIAS instead of NICAS, on the reverse inscription.

**no. 357:** quite different portrait of emperor.

==---------------------------------------------------------------==

**Group H**

358. *AW* 35; W=7.14g.; D=28mm.
359. *Hesperia* 163; W=7.06g.; D=28mm.
*360. Comotine* (Archaeological Museum no. 2276); W=7.06g.; D=27mm.
361. *DOC* 15a.2; W=8.58g.; D=26mm.
362. Weller (May 1974); W=6.88g.; D=29mm.
363. *Hesperia* 164; W=7.18g.; D=28mm.
*364. Rauch Sale* 35/6074; W=7.06g.; D=28mm.
365. Weller (Oct. 1972); W=6.37g.; D=27mm.
366. Weller (July 1971); W=5.95g.; D=29mm.
367. Weller (Aug. 1967); W=7.95g.; D=29mm.
368. *The Hague* (13727); W=5.35g.; D=30mm.
*369. *Hesperia* 165; W=7.06g.; D=29mm.
370. *DOC* 15a.13; W=6.48g.; D=29mm.
*371. *Resperia 166*: \( W=\;\); \( D=29\text{mm}. \)

372. *DOC 15a.17*: \( W=4.46\text{g.}; \) \( D=26\text{mm}. \)

373. *Berlin 4*: \( W=6.00\text{g.}; \) \( D=27\text{mm}. \)

*374. Naupaktos* (Archaeological Museum-Gianenna); \( W=6.25\text{g.}; \) \( D=25\text{mm}. \)

375. *AR 77*: \( W=6.79\text{g.}; \) \( D=28\text{mm}. \)

*376. Comotina* (Museum n.1245); \( W=\;\); \( D=27\text{mm}. \)

377. *AR 78*: \( W=7.85\text{g.}; \) \( D=28\text{mm}. \)

378. *DOC 15a.1*: \( W=9.04\text{g.}; \) \( D=28\text{mm}. \)

379. Weller (1969); \( W=5.603\text{g.}; \) \( D=28\text{mm}. \)

**no. 358**: 4 1/2 pairs of dots on transverse panel of *loros*, 2 on skirt; three-dotted tufa...; inscription reads: [EOFL/bASIL/]; reverse reminiscent of group 5 specimens (i.e. no.268=S/2a; no.291=S/2b).

**no. 359**: very similar but in a cruder style and 4 pairs of dots on transverse panel of *loros*; reverse very similar to no.299 (S/2a).

**nos. 360-368**: similar; on no.365 inscription reads [EOFL/bASIL/]; on no.367 reads: [EOFL/bASIL]; the reverse of no.361 similar to specimens S/2a.

**no. 369**: generally similar to previous coins but probably in a neater style; very prominent tufa; small regular lettering.

**nos. 370-371**: similar.

**nos. 372-373**: similar; inscription reads: [EOFL/bASIL].

**nos. 374-376**: similar; inscription reads: [EOFL/bASL].

**nos. 377-378**: similar; inscription reads: [EOFL/bASI].

**no. 379**: labarum without pendants; inscription reads: [EOFI/bASI].
Histograms of weights:

**Group A**

- 9.50-8.50 g: 6.78%
- 8.50-7.50 g: 45.76%
- 7.50-6.50 g: 35.60%
- 6.50-5.50 g: 6.78%
- 5.50-4.50 g: 5.00%

(59 coins)

**Group B**

- 9.50-8.50 g: 11.63%
- 8.50-7.50 g: 39.53%
- 7.50-6.50 g: 32.59%
- 6.50-5.50 g: 16.20%

(43 coins)

**Group F**

(16 coins)

below no.121=3.00g.
**Group 1**

above no.299=9.16g.

<table>
<thead>
<tr>
<th>Weight Range</th>
<th>Group 1</th>
<th>Group 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>8.50-7.50</td>
<td>22.50%</td>
<td></td>
</tr>
<tr>
<td>7.50-6.50</td>
<td>29.03%</td>
<td></td>
</tr>
<tr>
<td>6.50-5.50</td>
<td>27.42%</td>
<td></td>
</tr>
<tr>
<td>5.50-4.50</td>
<td>11.29%</td>
<td></td>
</tr>
<tr>
<td>4.50-3.50</td>
<td>8.06%</td>
<td></td>
</tr>
<tr>
<td>3.50-2.50</td>
<td>3.22%</td>
<td></td>
</tr>
</tbody>
</table>

(62 coins)

**Group 2**

above: no.337=9.90g. & no.311=8.94g.

<table>
<thead>
<tr>
<th>Weight Range</th>
<th>Group 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>8.50-7.50</td>
<td>10.42%</td>
</tr>
<tr>
<td>7.50-6.50</td>
<td>14.50%</td>
</tr>
<tr>
<td>6.50-5.50</td>
<td>52.08%</td>
</tr>
<tr>
<td>5.50-4.50</td>
<td>6.25%</td>
</tr>
<tr>
<td>4.50-3.50</td>
<td>14.50%</td>
</tr>
<tr>
<td>3.50-2.50</td>
<td></td>
</tr>
</tbody>
</table>

(48 coins)
Theophilus' reformed copper coinage:

The mint of Constantinople: Provisional reconstruction of its operation.

Group A/1

A/1a → R/2

no.22 → R/4

B/1 nos.94-96

A/3;no.45 → R/2

B/2

A/3 → R/4 → S → H → Z → Z
## Appendix IV.

### Anonymous *follis* - Class A2.

#### The hoards.

<table>
<thead>
<tr>
<th>Class</th>
<th>Group</th>
<th>Firm figures</th>
<th>Best guess figures</th>
<th>Not firmly identified</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>A2</td>
<td>(iii)</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>11</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>var.2</td>
<td>1</td>
<td></td>
<td></td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>var.5</td>
<td>2</td>
<td></td>
<td></td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>var.3</td>
<td>7</td>
<td></td>
<td></td>
<td>7</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>11</td>
</tr>
</tbody>
</table>


#### Corinth/1936

<table>
<thead>
<tr>
<th>Class</th>
<th>Group</th>
<th>Firm figures</th>
<th>Best guess figures</th>
<th>Not firmly identified</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>A2</td>
<td>(iii)</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>var.9</td>
<td>1</td>
<td></td>
<td></td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>var.8</td>
<td>13</td>
<td></td>
<td></td>
<td>13</td>
</tr>
<tr>
<td></td>
<td>var.2</td>
<td>1</td>
<td></td>
<td></td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>var.5</td>
<td>14</td>
<td></td>
<td></td>
<td>14</td>
</tr>
<tr>
<td></td>
<td>var.3</td>
<td>23</td>
<td></td>
<td></td>
<td>23</td>
</tr>
<tr>
<td></td>
<td>var.7</td>
<td>2</td>
<td></td>
<td></td>
<td>2</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>54</td>
</tr>
</tbody>
</table>

### I.3: Corinth/22 May 1936.

<table>
<thead>
<tr>
<th>Class</th>
<th>Group</th>
<th>Firm figures</th>
<th>Best guess figures</th>
<th>Not firmly identified</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>A2</td>
<td>(iii)</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>var.8</td>
<td>3</td>
<td></td>
<td></td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>var.5</td>
<td>3</td>
<td></td>
<td></td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>var.3</td>
<td>4</td>
<td></td>
<td></td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Worn</td>
<td></td>
<td></td>
<td></td>
<td>1</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>12</td>
</tr>
</tbody>
</table>
### I.4: Corinth/November 1936.

<table>
<thead>
<tr>
<th>Class</th>
<th>Group</th>
<th>Firm figures</th>
<th>Best guess</th>
<th>Not firmly identified</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>A2</td>
<td>(iii)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>var. 5</td>
<td>1</td>
<td></td>
<td></td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>var. 3</td>
<td>1</td>
<td></td>
<td></td>
<td>1</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>2</td>
</tr>
</tbody>
</table>

### I.5: Corinth/February 1938 (a').

<table>
<thead>
<tr>
<th>Class</th>
<th>Group</th>
<th>Firm figures</th>
<th>Best guess</th>
<th>Not firmly identified</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>A2</td>
<td>(iii)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>var. 3</td>
<td>3</td>
<td></td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

### I.6: Corinth/February 1938(b)

<table>
<thead>
<tr>
<th>Class</th>
<th>Group</th>
<th>Firm figures</th>
<th>Best guess</th>
<th>Not firmly identified</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>A2</td>
<td>(iii)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>var. 5</td>
<td>3</td>
<td></td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

### I.7: Athens/29 February 1932.

<table>
<thead>
<tr>
<th>Class</th>
<th>Group</th>
<th>Firm figures</th>
<th>Best guess</th>
<th>Not firmly identified</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>A2</td>
<td>(iii)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>var. 8</td>
<td>2</td>
<td></td>
<td></td>
<td>2</td>
</tr>
</tbody>
</table>

### I.8: Athens/26 February 1934.

<table>
<thead>
<tr>
<th>Class</th>
<th>Group</th>
<th>Firm figures</th>
<th>Best guess</th>
<th>Not firmly identified</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>A2</td>
<td>(iii)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>var. 4</td>
<td>2</td>
<td></td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>Class</td>
<td>Group</td>
<td>Firm figure</td>
<td>Best guess</td>
<td>Not firmly identified</td>
<td>Total</td>
</tr>
<tr>
<td>-------</td>
<td>-------</td>
<td>-------------</td>
<td>------------</td>
<td>----------------------</td>
<td>-------</td>
</tr>
<tr>
<td>A2</td>
<td>(iii)</td>
<td></td>
<td></td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>var.4</td>
<td>1</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>var.8</td>
<td>3</td>
<td>1</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td></td>
<td>var.5</td>
<td>1</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>var.3/20</td>
<td>2</td>
<td></td>
<td>2</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>9</td>
</tr>
</tbody>
</table>

Worn

1

<table>
<thead>
<tr>
<th>Class</th>
<th>Group</th>
<th>Firm figure</th>
<th>Best guess</th>
<th>Not firmly identified</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>A2</td>
<td>(iii)</td>
<td></td>
<td>1</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>var.5</td>
<td>1</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>var.3/20</td>
<td>3</td>
<td>1</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>5</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Class</th>
<th>Group</th>
<th>Firm figure</th>
<th>Best guess</th>
<th>Not firmly identified</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>A2</td>
<td>(iii)</td>
<td></td>
<td></td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>var.5</td>
<td>2</td>
<td></td>
<td>2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>var.3</td>
<td>1</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>4</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Class</th>
<th>Group</th>
<th>Firm figure</th>
<th>Best guess</th>
<th>Not firmly identified</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>A2</td>
<td>(iii)</td>
<td>var.3/20</td>
<td>1</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>2</td>
<td>2</td>
</tr>
</tbody>
</table>


<table>
<thead>
<tr>
<th>Class</th>
<th>Group</th>
<th>Firm figure</th>
<th>Best guess</th>
<th>Not firmly identified</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>A2</td>
<td>(iii)</td>
<td>var.8</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>var.5</td>
<td>1</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>2</td>
</tr>
</tbody>
</table>
I.14: Athens/16 April 1936.

<table>
<thead>
<tr>
<th>Class Group</th>
<th>Firmly identified</th>
<th>Best guess</th>
<th>Not firmly identified</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>A2 (iii)</td>
<td></td>
<td></td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>var.3/20</td>
<td>1</td>
<td></td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>var.5</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>2</td>
</tr>
</tbody>
</table>


<table>
<thead>
<tr>
<th>Class Group</th>
<th>Firmly identified</th>
<th>Best guess</th>
<th>Not firmly identified</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>A2 (iii)</td>
<td></td>
<td></td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>var.4</td>
<td>2</td>
<td>1</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>var.2</td>
<td>1</td>
<td></td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>var.3</td>
<td>6</td>
<td></td>
<td></td>
<td>6</td>
</tr>
<tr>
<td>var.5</td>
<td>1</td>
<td>1</td>
<td></td>
<td>2</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>12</td>
</tr>
</tbody>
</table>

I.16: Srpaka Mitrovica/1903.

<table>
<thead>
<tr>
<th>Class Group</th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>A3 (iv)</td>
<td>3</td>
<td></td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>
## Run II:

### II.1: Corinth /1898.

<table>
<thead>
<tr>
<th>Class</th>
<th>Groups</th>
<th>Firm figure</th>
<th>Best guess</th>
<th>Not firmly identified</th>
<th>Total</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Leo VI</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td>1</td>
<td>1.41</td>
</tr>
<tr>
<td>Const. VII</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td>3</td>
<td>4.23</td>
</tr>
<tr>
<td>Nic. II</td>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td>2</td>
<td>2.82</td>
</tr>
<tr>
<td>A1</td>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td>4</td>
<td>5.63</td>
</tr>
<tr>
<td>A2</td>
<td>(ii)</td>
<td></td>
<td></td>
<td></td>
<td>4</td>
<td>5.63</td>
</tr>
<tr>
<td>var.11</td>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>var.14</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>var.16a</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>(iii)</td>
<td></td>
<td>15</td>
<td></td>
<td></td>
<td>15</td>
<td>74.65</td>
</tr>
<tr>
<td>var.9</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>var.8</td>
<td>7</td>
<td>1</td>
<td></td>
<td></td>
<td>8</td>
<td></td>
</tr>
<tr>
<td>var.4</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>var.2</td>
<td>1</td>
<td>1</td>
<td></td>
<td></td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>var.5</td>
<td>4</td>
<td>2</td>
<td></td>
<td></td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>var.3</td>
<td>11</td>
<td>2</td>
<td></td>
<td></td>
<td>13</td>
<td></td>
</tr>
<tr>
<td>var.7</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>(v)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>53</td>
<td>74.65</td>
</tr>
<tr>
<td>var.25</td>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>var.26</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>A2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>3</td>
<td>4.23</td>
</tr>
<tr>
<td>A3</td>
<td>(viii)</td>
<td></td>
<td></td>
<td></td>
<td>60</td>
<td>84.51</td>
</tr>
<tr>
<td>var.31</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td>1</td>
<td>1.41</td>
</tr>
<tr>
<td>Worn</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>23</td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>94</td>
<td></td>
</tr>
</tbody>
</table>
### II.2: Corinth/1899

<table>
<thead>
<tr>
<th>Class</th>
<th>Groups</th>
<th>Firm figure</th>
<th>Best guess</th>
<th>Not firmly identified</th>
<th>Total</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Romanus I</td>
<td>1</td>
<td></td>
<td>1</td>
<td>1</td>
<td>108</td>
<td>1.03</td>
</tr>
<tr>
<td>A1</td>
<td></td>
<td></td>
<td>1</td>
<td>1</td>
<td></td>
<td>1.03</td>
</tr>
<tr>
<td>A2</td>
<td>(ii)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>4.12</td>
</tr>
<tr>
<td></td>
<td>var. 6</td>
<td>1</td>
<td></td>
<td>1</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>var.14/22</td>
<td>1</td>
<td></td>
<td>1</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>var.18</td>
<td>1</td>
<td></td>
<td>1</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>var.19a</td>
<td></td>
<td>1</td>
<td></td>
<td>1</td>
<td></td>
</tr>
<tr>
<td></td>
<td>(iii)</td>
<td></td>
<td>21</td>
<td></td>
<td>21</td>
<td>4.12</td>
</tr>
<tr>
<td></td>
<td>var. 8</td>
<td>16</td>
<td>1</td>
<td></td>
<td>17</td>
<td></td>
</tr>
<tr>
<td></td>
<td>var. 4</td>
<td>1</td>
<td>1</td>
<td></td>
<td>2</td>
<td></td>
</tr>
<tr>
<td></td>
<td>var. 2</td>
<td>3</td>
<td></td>
<td></td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>var.5/24b</td>
<td>14</td>
<td></td>
<td></td>
<td>14</td>
<td></td>
</tr>
<tr>
<td></td>
<td>var.3/20</td>
<td>21</td>
<td>7</td>
<td></td>
<td>28</td>
<td></td>
</tr>
<tr>
<td></td>
<td>var. 1</td>
<td>1</td>
<td></td>
<td></td>
<td>1</td>
<td></td>
</tr>
<tr>
<td></td>
<td>(vii)</td>
<td></td>
<td>1</td>
<td></td>
<td>1</td>
<td>1.03</td>
</tr>
<tr>
<td></td>
<td>var.21</td>
<td>1</td>
<td></td>
<td></td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>A2</td>
<td></td>
<td></td>
<td>91</td>
<td></td>
<td>93.81</td>
<td></td>
</tr>
<tr>
<td>A3</td>
<td>(viii)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>var.32</td>
<td>1</td>
<td></td>
<td>1</td>
<td></td>
<td>1.03</td>
</tr>
<tr>
<td></td>
<td>(iv)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>var.24</td>
<td>2</td>
<td></td>
<td>2</td>
<td></td>
<td>2.06</td>
</tr>
<tr>
<td></td>
<td>(vi)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>var.41</td>
<td>1</td>
<td></td>
<td>1</td>
<td></td>
<td>1.03</td>
</tr>
<tr>
<td>A3</td>
<td></td>
<td></td>
<td>4</td>
<td></td>
<td>4.12</td>
<td></td>
</tr>
<tr>
<td>Worn</td>
<td></td>
<td></td>
<td>11</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td></td>
<td>108</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
## II.3: Corinth/1902

<table>
<thead>
<tr>
<th>Class</th>
<th>Groups</th>
<th>Firm figure</th>
<th>Best guess</th>
<th>Not firmly identified</th>
<th>Total</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>A1</td>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td>2</td>
<td>2.30</td>
</tr>
<tr>
<td>A2</td>
<td>(iii)</td>
<td>27</td>
<td></td>
<td></td>
<td>27</td>
<td></td>
</tr>
<tr>
<td></td>
<td>var.9</td>
<td>3</td>
<td></td>
<td></td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>var.8</td>
<td>14</td>
<td></td>
<td></td>
<td>14</td>
<td></td>
</tr>
<tr>
<td></td>
<td>var.4</td>
<td>1</td>
<td></td>
<td></td>
<td>1</td>
<td></td>
</tr>
<tr>
<td></td>
<td>var.2</td>
<td>1</td>
<td></td>
<td></td>
<td>1</td>
<td></td>
</tr>
<tr>
<td></td>
<td>var.3/20</td>
<td>16</td>
<td>7</td>
<td></td>
<td>23</td>
<td></td>
</tr>
<tr>
<td></td>
<td>var.5</td>
<td>9</td>
<td>1</td>
<td></td>
<td>10</td>
<td></td>
</tr>
<tr>
<td></td>
<td>var.7</td>
<td>3</td>
<td></td>
<td></td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>A2</td>
<td></td>
<td>82</td>
<td></td>
<td></td>
<td>94.25</td>
<td></td>
</tr>
<tr>
<td>A3</td>
<td>(iv)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>var.24</td>
<td>1</td>
<td></td>
<td></td>
<td>1</td>
<td>1.50</td>
</tr>
<tr>
<td>(vi)</td>
<td>var.43</td>
<td>1</td>
<td></td>
<td></td>
<td>1</td>
<td>2.30</td>
</tr>
<tr>
<td></td>
<td>var.47</td>
<td>1</td>
<td></td>
<td></td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>A3</td>
<td></td>
<td>3</td>
<td></td>
<td></td>
<td>3.45</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>85</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Worn

|       | 22     | 109        |

## II.4: Corinth/September 1936

| A2    | (ii)   |            |            |                      | 3     | 60 |
|       | var.14or22| 1       |            |                      | 1     |   |
|       | var.48 | 1          |            |                      | 1     |   |
|       | var.49 | 1          |            |                      | 1     |   |
|       |        |            |            |                      | 3     | 60 |
| (iii) | var.3  | 2          |            |                      | 2     | 40 |
| A2    |        | 6          |            |                      |       |   |
| Worn  |        | 3          |            |                      | 8     |   |
### II.5: Athens/29 March 1934.

<table>
<thead>
<tr>
<th>Class</th>
<th>Groups</th>
<th>Firm figure</th>
<th>Best guess</th>
<th>Not firmly identified</th>
<th>Total</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>A2</td>
<td>(ii)</td>
<td></td>
<td></td>
<td></td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>var.16a</td>
<td>1</td>
<td></td>
<td></td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>var.36</td>
<td>2</td>
<td></td>
<td></td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>var.48</td>
<td>1</td>
<td>1</td>
<td></td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>5</td>
<td>31.25</td>
</tr>
<tr>
<td></td>
<td>(iii)</td>
<td></td>
<td></td>
<td></td>
<td>4</td>
<td>62.50</td>
</tr>
<tr>
<td></td>
<td>var.8</td>
<td>3</td>
<td>1</td>
<td></td>
<td>4</td>
<td>62.50</td>
</tr>
<tr>
<td></td>
<td>var.5</td>
<td>4</td>
<td></td>
<td></td>
<td>4</td>
<td>62.50</td>
</tr>
<tr>
<td></td>
<td>var.3</td>
<td>2</td>
<td></td>
<td></td>
<td>2</td>
<td>62.50</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>10</td>
<td>62.50</td>
</tr>
<tr>
<td></td>
<td>(v)</td>
<td></td>
<td>1</td>
<td></td>
<td>1</td>
<td>6.25</td>
</tr>
<tr>
<td>Worn</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1</td>
<td>6.25</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>16</td>
<td>6.25</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>17</td>
<td>100.00</td>
</tr>
</tbody>
</table>

---

### II.6: Unknown provenance/Central Greece?

<table>
<thead>
<tr>
<th>Class</th>
<th>Groups</th>
<th>Firm figure</th>
<th>Best guess</th>
<th>Not firmly identified</th>
<th>Total</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>A2</td>
<td>(iii)</td>
<td></td>
<td></td>
<td></td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>var.9</td>
<td>5</td>
<td></td>
<td></td>
<td>5</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>var.8</td>
<td>15</td>
<td></td>
<td></td>
<td>15</td>
<td>15</td>
</tr>
<tr>
<td></td>
<td>var.2</td>
<td>5</td>
<td></td>
<td></td>
<td>5</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>var.5</td>
<td>13</td>
<td></td>
<td></td>
<td>13</td>
<td>13</td>
</tr>
<tr>
<td></td>
<td>var.3/20</td>
<td>13</td>
<td></td>
<td></td>
<td>13</td>
<td>13</td>
</tr>
<tr>
<td></td>
<td>var.7</td>
<td>1</td>
<td></td>
<td></td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>53</td>
<td>88.33</td>
</tr>
<tr>
<td></td>
<td>(v)</td>
<td></td>
<td>1</td>
<td></td>
<td>1</td>
<td>1.66</td>
</tr>
<tr>
<td></td>
<td>var.25</td>
<td>1</td>
<td></td>
<td></td>
<td>1</td>
<td>1.66</td>
</tr>
<tr>
<td></td>
<td>(vii)</td>
<td></td>
<td></td>
<td></td>
<td>1</td>
<td>1.66</td>
</tr>
<tr>
<td></td>
<td>var.34</td>
<td>3</td>
<td>1</td>
<td></td>
<td>4</td>
<td>6.66</td>
</tr>
<tr>
<td></td>
<td>(ix)</td>
<td></td>
<td></td>
<td></td>
<td>1</td>
<td>1.66</td>
</tr>
<tr>
<td></td>
<td>var.51</td>
<td></td>
<td></td>
<td></td>
<td>1</td>
<td>1.66</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>59</td>
<td>98.33</td>
</tr>
</tbody>
</table>

---
(con.)

<table>
<thead>
<tr>
<th>Class Groups</th>
<th>Firma figure</th>
<th>Best guess identified</th>
<th>Total</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>A3 (iv)</td>
<td>var. 24</td>
<td>1</td>
<td>1</td>
<td>1.66</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>60</td>
<td></td>
</tr>
</tbody>
</table>


<p>| | | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>A2 (ii)</td>
<td>var. 1</td>
<td>1</td>
<td>1</td>
<td>42.86</td>
</tr>
<tr>
<td></td>
<td>var. 14/22</td>
<td>2</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>A3 (iv)</td>
<td>var. 24</td>
<td>2</td>
<td>2</td>
<td>57.14</td>
</tr>
<tr>
<td></td>
<td>var. 40</td>
<td>1</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Worn</td>
<td></td>
<td></td>
<td>7</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>9</td>
<td></td>
</tr>
</tbody>
</table>

II.8: Reka Devna

<p>| | | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>A2 (ii)</td>
<td></td>
<td></td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>(iii)</td>
<td></td>
<td></td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>(v)</td>
<td></td>
<td></td>
<td>0.5</td>
<td></td>
</tr>
<tr>
<td>A3 (iv)</td>
<td></td>
<td></td>
<td>61</td>
<td></td>
</tr>
<tr>
<td>(vi)</td>
<td></td>
<td></td>
<td>32</td>
<td></td>
</tr>
<tr>
<td>(viii)</td>
<td></td>
<td></td>
<td>4</td>
<td></td>
</tr>
</tbody>
</table>
### II.9: Turkey?

<table>
<thead>
<tr>
<th>Class</th>
<th>Group</th>
<th>Firm figure</th>
<th>Best guess</th>
<th>Not firmly identified</th>
<th>Total</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>A2</td>
<td>(iii)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>var.9</td>
<td>2</td>
<td></td>
<td>2</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>var.8</td>
<td>18</td>
<td></td>
<td>18</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>var.4</td>
<td>1</td>
<td></td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>var.5</td>
<td>13</td>
<td></td>
<td>13</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>var.3</td>
<td>30</td>
<td></td>
<td>30</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>var.7</td>
<td>7</td>
<td></td>
<td>7</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>95</td>
<td>95.96</td>
</tr>
<tr>
<td>(vii)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>var.34</td>
<td>4</td>
<td></td>
<td>4</td>
<td></td>
<td>4.04</td>
</tr>
</tbody>
</table>

| A2    |       |             |            |                       | 99    |    |

Contemporary counterfeit: 1

Total: 100

### II.10: Athens/20 April 1933

| A1    |       | 3          |            | 3                     |       |    |
| A2    | (iii) | 1          |            | 1                    |       |    |
|       | var.3/20 | 2     |            | 2                    |       |    |

| A2    |       | 3          |            |                       | 6     |    |

### II.11: Athens: 27 February 1935.

| A1    |       | 2          |            | 2                     |       |    |
| A2    | (iii) |            |            |                       |       |    |
|       | var.8 | 1          |            | 1                    |       |    |
|       | Worn  | 2          |            | 2                    |       |    |

Total: 5
### II.12: Athens/6 April 1936.

<table>
<thead>
<tr>
<th>Class</th>
<th>Group</th>
<th>Firm</th>
<th>Best guess</th>
<th>Not firmly identified</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>A2</td>
<td>(iii)</td>
<td></td>
<td>1</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>var.3/20</td>
<td></td>
<td>1</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>(v)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>var.25</td>
<td>1</td>
<td></td>
<td></td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>26-8</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>A2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>A3</td>
<td>(iv)</td>
<td>1</td>
<td></td>
<td></td>
<td>1</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

---

***************
Run III:

### III.1: Corinth/1911/12.

<table>
<thead>
<tr>
<th>Class</th>
<th>Groups</th>
<th>Firm figure</th>
<th>Best guess</th>
<th>Not firmly identified</th>
<th>Total</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Leo VI</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Romanus I</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>A3 (viii)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>var.32</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td>3</td>
<td>12.00</td>
</tr>
<tr>
<td>(iv)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>var.23</td>
<td>1</td>
<td>1</td>
<td></td>
<td></td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>var.24</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>var.39/40</td>
<td>2</td>
<td>1</td>
<td></td>
<td></td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>(vi)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>var.41</td>
<td>2</td>
<td>3</td>
<td></td>
<td></td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>var.45</td>
<td>3</td>
<td>1</td>
<td></td>
<td></td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>var.47</td>
<td>4</td>
<td>1</td>
<td></td>
<td></td>
<td>5</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>14</td>
<td>56.00</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>25</td>
<td></td>
</tr>
</tbody>
</table>

Worn 2

*The hoard includes 152 later issues terminating with coins of John Comnenus.

**There is also a similar hoard from Corinth (see Corinth/November 1937) but unfortunately no detailed description of the Class A anonymous folles is provided.
### III.2: Corinth: St. John's area/April 1938.

<table>
<thead>
<tr>
<th>Class</th>
<th>Group</th>
<th>Firm figures</th>
<th>Best guess</th>
<th>Not firmly identified</th>
<th>Total</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>A3</td>
<td>(iv)</td>
<td>var.39or40</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>(vi)</td>
<td></td>
<td></td>
<td>1</td>
<td></td>
</tr>
</tbody>
</table>

* There is no detailed description of the rest of the hoard; it includes, however, later issues terminating with coins of Alexius I.

### III.3: Corinth/May 1936.

<table>
<thead>
<tr>
<th>Class</th>
<th>Group</th>
<th>Firm figures</th>
<th>Best guess</th>
<th>Not firmly identified</th>
<th>Total</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>A3</td>
<td>(iv)</td>
<td>var.39or40</td>
<td>1</td>
<td></td>
<td>1</td>
<td></td>
</tr>
</tbody>
</table>

### III.4: Corinth/February 1938

<table>
<thead>
<tr>
<th>Class</th>
<th>Group</th>
<th>Firm figures</th>
<th>Best guess</th>
<th>Not firmly identified</th>
<th>Total</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>A3</td>
<td>(iv)</td>
<td>var.39or40</td>
<td>1</td>
<td></td>
<td>1</td>
<td></td>
</tr>
</tbody>
</table>

* Both hoards include also later issues; similarly no detailed description is available.

### III.5: Sparta hoard /1949.

<table>
<thead>
<tr>
<th>Class</th>
<th>Group</th>
<th>Firm figures</th>
<th>Best guess</th>
<th>Not firmly identified</th>
<th>Total</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>A3</td>
<td>(vi)</td>
<td>var.41</td>
<td>1</td>
<td></td>
<td>1</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>var.47</td>
<td>1</td>
<td></td>
<td>1</td>
<td></td>
</tr>
</tbody>
</table>

* The hoard included 19 later issues terminating with a follis of Nicephorus Bryennius (1077-1078).

* 2 anonymous Class B follas of the hoard are struck on identifiable varieties of Class A3: group (vi): var.47 and 44 or 47.

<table>
<thead>
<tr>
<th>Class Group</th>
<th>Firm figure</th>
<th>Best guess</th>
<th>Not firmly identified</th>
<th>Total</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Constantine VII</td>
<td>1</td>
<td></td>
<td></td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>A3 (iv)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>var.24</td>
<td>1</td>
<td></td>
<td>1</td>
<td>1</td>
<td>42.86</td>
</tr>
<tr>
<td>var.39</td>
<td>1</td>
<td></td>
<td>1</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>var.40</td>
<td>1</td>
<td></td>
<td>1</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>(vi)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>var.41</td>
<td>2</td>
<td></td>
<td>2</td>
<td>2</td>
<td>57.14</td>
</tr>
<tr>
<td>var.47</td>
<td>2</td>
<td></td>
<td>2</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Worn</td>
<td></td>
<td></td>
<td></td>
<td>1</td>
<td>7</td>
</tr>
</tbody>
</table>

*The hoard included 25 later issues terminating with coins of John II (1118-1143).*

### III.7: Thessaloniki/1933 B.

<table>
<thead>
<tr>
<th>Theophilus</th>
<th>1</th>
<th>1</th>
</tr>
</thead>
<tbody>
<tr>
<td>A2 (iii)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>var.8</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>A3 (iv)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>var.24a</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Worn</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>1</td>
</tr>
</tbody>
</table>

* The hoard included 1 anonymous folles of Class K and 105 post-reformed issues of Alexius I (1081-1118): 1 specimen was totally worn.*
### III.8: Thessaloniki/1933 A.

<table>
<thead>
<tr>
<th>Class</th>
<th>Group</th>
<th>Firm</th>
<th>figure</th>
<th>Best guess</th>
<th>Not firmly identified</th>
<th>Total</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>A2</td>
<td>(i)</td>
<td></td>
<td>1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>var.1</td>
<td>1</td>
<td></td>
<td></td>
<td>1</td>
<td></td>
</tr>
</tbody>
</table>

*The hoard included 1 post-reform issue of Alexius I and 1 of Manuel I (1143-1180)*

### III.9: Markete's collection.

<table>
<thead>
<tr>
<th></th>
<th>Justinian I</th>
<th>1</th>
<th>2.63</th>
</tr>
</thead>
<tbody>
<tr>
<td>Basil I</td>
<td>1</td>
<td></td>
<td>2.63</td>
</tr>
<tr>
<td>Constant.VII</td>
<td>2</td>
<td></td>
<td>5.26</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>A1</th>
<th>1</th>
<th>2.63</th>
</tr>
</thead>
<tbody>
<tr>
<td>A2</td>
<td>(ii)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>var.50</td>
<td>2</td>
<td>5.26</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>(iii)</th>
<th>5</th>
<th>5</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>var.9</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>var.8</td>
<td>8</td>
<td></td>
</tr>
<tr>
<td></td>
<td>var.2</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>var.5</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>var.3</td>
<td>9</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>(v)</th>
<th>3</th>
<th>7.90</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>var.25</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>(vii)</th>
<th>1</th>
<th>2.63</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>var.13</td>
<td>1</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>(iv)</th>
<th>1</th>
<th>2.63</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>var.1a</td>
<td>1</td>
<td></td>
</tr>
</tbody>
</table>

|       |             | 38|      |
*The hoard included 14 later issues terminating with coins of Nicephorus III (1078-1081) and 1 extremely worn.

### III.10: Plopeni hoard.

<table>
<thead>
<tr>
<th>Class</th>
<th>Group</th>
<th>Firm figures</th>
<th>Best guess</th>
<th>Not firmly identified</th>
<th>Total</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>A2</td>
<td>(ii)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>var.12</td>
<td>1</td>
<td></td>
<td></td>
<td>1</td>
<td>7.32</td>
</tr>
<tr>
<td></td>
<td>var.18</td>
<td>1</td>
<td></td>
<td></td>
<td>1</td>
<td>7.32</td>
</tr>
<tr>
<td></td>
<td>var.30</td>
<td>1</td>
<td></td>
<td></td>
<td>1</td>
<td>7.32</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>3</td>
<td>7.32</td>
</tr>
<tr>
<td>(iii)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>var.5</td>
<td>4</td>
<td></td>
<td></td>
<td>4</td>
<td>9.75</td>
</tr>
<tr>
<td>(v)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>var.25</td>
<td>1</td>
<td></td>
<td></td>
<td>1</td>
<td>2.44</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>8</td>
<td>19.61</td>
</tr>
<tr>
<td>A2</td>
<td>(viii)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>var.31</td>
<td>2</td>
<td></td>
<td></td>
<td>2</td>
<td>7.32</td>
</tr>
<tr>
<td></td>
<td>var.32</td>
<td>1</td>
<td></td>
<td></td>
<td>1</td>
<td>7.32</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>3</td>
<td>7.32</td>
</tr>
<tr>
<td>(iv)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>var.23</td>
<td>2</td>
<td></td>
<td></td>
<td>2</td>
<td>56.10</td>
</tr>
<tr>
<td></td>
<td>var.24</td>
<td>7</td>
<td></td>
<td></td>
<td>7</td>
<td>56.10</td>
</tr>
<tr>
<td></td>
<td>var.39</td>
<td>14</td>
<td></td>
<td></td>
<td>14</td>
<td>56.10</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>23</td>
<td>56.10</td>
</tr>
<tr>
<td>(vi)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>var.41</td>
<td>7</td>
<td></td>
<td></td>
<td>7</td>
<td>17.07</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>33</td>
<td>80.48</td>
</tr>
</tbody>
</table>

**A2 + A3**

|       | 41 |

* The hoard included 44 later issues terminating with anonymous folles of class K (1085-1092).
### III.11: Nufarul/1969

<table>
<thead>
<tr>
<th>Class Group</th>
<th>Firmly identified</th>
<th>Best guess identified</th>
<th>Not firmly identified</th>
<th>Total</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>A3</td>
<td>Var. 35.</td>
<td></td>
<td></td>
<td>1</td>
<td>1</td>
</tr>
</tbody>
</table>

* 4 more specimens of the hoard have been published ending with one anonymous *follis* of Class K.

** Var. 35 is not included in any of Metcalf's groups; most probably, it belongs to the so-called Class A3.

*** There is one similar hoard from this area= Nufarul/-1966. but there is no detailed description; see D.M. Metcalf, *Coinage in South-eastern Europe...* 74, n. 11.

### III.12: Mardin hoard.

<table>
<thead>
<tr>
<th></th>
<th>(ii) 34</th>
<th>(iii) 188</th>
<th>(v) 9</th>
<th>(vii) 1</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>A2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>232</td>
</tr>
<tr>
<td>A3</td>
<td>(iv) 510</td>
<td>(vi) 404</td>
<td>(viii) 46</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>A3</td>
<td>960</td>
</tr>
</tbody>
</table>

| A2+A3 | 1192  |

* The hoard included and later issues.
Stray finds.

Theme of Peloponnes:

<table>
<thead>
<tr>
<th></th>
<th>A1</th>
<th>A2</th>
<th>A3</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sparta1</td>
<td>13</td>
<td>8</td>
<td>1</td>
<td>82</td>
</tr>
<tr>
<td>Argos2</td>
<td></td>
<td>1</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>Troizena3</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>4</td>
</tr>
<tr>
<td>Epidauros4</td>
<td>2</td>
<td></td>
<td>3</td>
<td>5</td>
</tr>
<tr>
<td>Patras6</td>
<td>2</td>
<td>1</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Elis6</td>
<td></td>
<td></td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Craneion7</td>
<td>1</td>
<td></td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>Sicyon8</td>
<td>1</td>
<td></td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>Total</td>
<td>16</td>
<td>13</td>
<td>6</td>
<td>99</td>
</tr>
</tbody>
</table>

\%

| A1=16.16, | A2 = 68.68 | A3 = 15.15 |

1. These coins are held in the Numismatic Museum of Athens and come from the old British excavations at Sparta; only the legible specimens are included in this study since the cleaning of the coins is in progress; they are going to be published very soon by Dr. M. Price of the British Museum.

2. From rescue excavations in the city of Argos by the local archaeological service.

3. Presented to the Numismatic Museum of Athens by the local archaeological service; they come from a surface survey.

4. Found during old excavations at Epidauros and donated to the NMA by the National Archaeological Museum.

5. Two coins were given to the NMA by the Ephor of Antiquities Mastrokostas and one was found at the excavation of the basilica in Mentzena of Achaia district.

6. Donated to the local archaeological service by a nearby inhabitant.

7. Found by Prof. D. Pallas at the excavation of an early Christian Basilica.

8. From the early Christian Basilica excavated by the late A. Orlando.
**Hellas:**

<table>
<thead>
<tr>
<th>Category</th>
<th>A1</th>
<th>A2</th>
<th>A3</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thebes</td>
<td>1</td>
<td>1</td>
<td>.</td>
<td>9</td>
</tr>
<tr>
<td>Amfissa</td>
<td>1</td>
<td>4</td>
<td>.</td>
<td>1 1 2 13</td>
</tr>
<tr>
<td>Delphi</td>
<td>1</td>
<td>4</td>
<td>J</td>
<td>.</td>
</tr>
<tr>
<td>Euboia</td>
<td>1</td>
<td></td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>Skyros</td>
<td>1</td>
<td></td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>Pelasgia</td>
<td></td>
<td>1</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>M. Anchialos</td>
<td></td>
<td>1</td>
<td></td>
<td>2</td>
</tr>
</tbody>
</table>

**Total:** 3 5 15 1 1 1 1 2 29

% 10.34 - 17.24, 51.72, 3.44, 3.44, 3.44, 3.44, 6.90

A1=10.34, A2=75.86, A3=13.80

1. Either from rescue excavation in the city or gifts by locals.
2. Collected in Amfissa by Kravartogianos; see Α.Κραφαρτόγιαννος Κατάλογος Βυζαντινών νομισμάτων (491-1203 μ.Χ) μεμονωμένων στην Αμφία Αμφίας, Τετράμηνα, 2, 1974, 209-32.
3. Acquisitions of the local Archaeological Museum, most probably found during excavations.
4. Gift to the local archaeological service.
5. Found in Cyme.
6. Found in the castle of the island.
7. From the numismatic collection of the local archaeological service at Lamia.
8. The one specimen of class A2 was found during the excavations of 1978; the class A1 follis is from the excavations of 1920; both are held to the small numismatic collection of the local museum.
Theaes: Hicopolis & Dyrrhachium:

<table>
<thead>
<tr>
<th></th>
<th>A1</th>
<th>A2</th>
<th>A3</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arta¹</td>
<td>1</td>
<td></td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>Ithaca²</td>
<td>1</td>
<td></td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>Myticas³</td>
<td>1</td>
<td></td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>Kephalos⁴</td>
<td>1</td>
<td>1</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Dyrrhachium⁵</td>
<td>1</td>
<td></td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Total</td>
<td>1</td>
<td>4</td>
<td>2</td>
<td>7</td>
</tr>
</tbody>
</table>

1. Found during a rescue excavation (Bacagiannis' plot).
2. From a place called Stauros.
3. Presented to the NMA by prof. P. Vokotopoulos; it was found in 1972 during excavation.
4. Kephalos is a small island in the Ambracian Gulf, NW of Vonitsa; an excavation was undertaken there in late 60s by the late C. Barla.
5. See H. Spahiu, "Monnaies byzantines des Ve-XIIIe siècles decouvertes sur la territoire de l' Albanie," *Iliria*, 9-10, 1979-80, 390, no. 287; about forty specimens of Class A anonymous *folles* are published in this article but unfortunately no detailed description is given.
Themes: Thessaloniki - Strymon - Macedonia:

<table>
<thead>
<tr>
<th></th>
<th>A1</th>
<th>A2</th>
<th>A3</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>i, ii, iii, v, vii</td>
<td>iv, vi, viii</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Thessaloniki</td>
<td>3</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Edessa²</td>
<td></td>
<td>2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Berroia³</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pella⁴</td>
<td></td>
<td></td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Rentina⁵</td>
<td>3</td>
<td>2</td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td>Kavala⁶</td>
<td></td>
<td></td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Anaktoroupolis</td>
<td></td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Philippi⁸</td>
<td></td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Thasos⁹</td>
<td>1</td>
<td></td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>Siderocastro¹⁰</td>
<td></td>
<td></td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>Maramia¹¹</td>
<td></td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Abdera¹²</td>
<td></td>
<td></td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Comotene¹³</td>
<td></td>
<td></td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>Adrianoupolis¹⁴</td>
<td></td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>8</td>
<td>4</td>
<td>7</td>
<td>1</td>
</tr>
</tbody>
</table>

% 22.86 - 11.43, 20.00, 2.85, 5.71 - 20.00, 14.29, 2.85
A1= 22.86 - A2=40.00 - A3=37.14

1. 1 specimen was found during an excavation in Rotunda; the other 5 specimens are held in the Archaeological Museum of Thessaloniki and apparently are stray-finds from excavations in the city.
2. They belong to the small numismatic collection of the local archaeological service.
3. Found in the town during a rescue excavation.
4. From the archaeological site.
5. The coins are kept in the numismatic collection of the Byzantine Ephorate of Thessaloniki in the Rotunda; they come from the excavation in the Byzantine fortress of Rentina, undertaken by Prof. N. Moutsopoulos, during the years 1979-1988; 14 more specimens of Class A2 folles were found but varieties are not legible.
6. In the small numismatic collection of the Byzantine Ephorate of Kavala; it was found in the excavation of St. Nicholas' church.

7. 1978 from a surface research.

8. Found outside of the archaeological site in a place called Seliani.

9. Stray-finds from systematic excavations on Thasos by the Byzantine Ephor Dr. Ch. Bacirtzis.

10. 1981 from a surface research.

11. From systematic excavations in Maroneia.

12. Found during the excavation of the cemetery-basilica in 1982.

13. From a village near by Comotene; Comotene is only 8km east of the Byzantine city of Maximianoupolis, the capital of the later theme of Voleron.

14. In a collection made entirely from Adrianople... donated to the NMA, in the beginning of our century.

---

**Constantinople: Excavation at Sarachane (St. Polyeuctus)**

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
</table>
| i | 4 | 26.67%
| ii | 1 | 6.67%
| iii | 7 | 46.67%
| iv | 1 | 6.67%
| v |   |   |
| vi | 2 | 13.33%
| vii |   |   |
| viii |   |   |
| ix |   |   |
| Total | 15 |   |

1. The excavation had yielded a total of 21 specimens of Class A2 folles: 6 were illegible; 3 were described as new varieties of which 2 could be derived from the varieties of Metcalf's group iii. Unfortunately they are not illustrated to check the style of the reverse inscription; one specimen might be a contemporary forgery.
Themes: Thracian & Aegean Sea.

<table>
<thead>
<tr>
<th></th>
<th>A1</th>
<th>A2</th>
<th>A3</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>i.</td>
<td>ii.</td>
<td>iii</td>
<td>v.</td>
</tr>
<tr>
<td>Lemnos¹</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Chios²</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Coastlands³</td>
<td>10</td>
<td>8</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Sardis⁴</td>
<td>2</td>
<td>10</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>Total</td>
<td>14</td>
<td>30</td>
<td>6</td>
<td>1</td>
</tr>
</tbody>
</table>

% 24.14, 51.72, 12.07 1.72, 8.62, 1.72

A2 = 87.93  A3 = 12.07

1. Gifts to the local Archaeological Museum by inhabitants of the island.
2. Kept in the small numismatic collection of the Byzantine Ephorate of the island; they come from rescue excavations.
3. In the Stavrides' collection from Samos; they have been entirely bought in the coastland cities of Asia Minor.

The Balkans

Serbia:

<table>
<thead>
<tr>
<th></th>
<th>A2</th>
<th>A3</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>ii.</td>
<td>iii</td>
<td>ix</td>
</tr>
<tr>
<td>Sirmium¹</td>
<td>2</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Beograd²</td>
<td>1</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Viminacium³</td>
<td>1</td>
<td>10</td>
<td>1</td>
</tr>
<tr>
<td>Total</td>
<td>4</td>
<td>14</td>
<td>1</td>
</tr>
</tbody>
</table>

% 6.78, 23.72, 1.69 59.32, 8.47

A2 = 32.20  A3 = 67.80

1. See V.Popovic, Catalogues des monnaies byzantines du Musée de Srem. Sirmium, 8, 1978, 186-8; for five of the group iv specimens
listed in this study see D. Metcalf, The currency of Byzantine coins in Syrmia and Slavonia, *BHM*, 14, 1960, 434, nos. 12-16; three specimens are from Srpska Mitrovica hoard/1903, see *loc. cit.* 438.


3. The coins are kept in the National Museum in Pozarevac, and they come mainly from the ancient town of Viminacium (=Stari Kostolac); see V. Ivanisevic, "Vizantinski novats (491-1092) iz zbirke narodnog muzea u Pozarevtsu I., *Numismatika*. 11, 1988, 95-6.

---

**North Dobrogea:**

<table>
<thead>
<tr>
<th></th>
<th>A1</th>
<th>A2</th>
<th>A3</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>i - ii, iii, v, vii, ix.</td>
<td>iv , vi</td>
<td>9 , 7</td>
<td>27</td>
<td></td>
</tr>
<tr>
<td>Tulcea¹</td>
<td>6, 2, 1, 2</td>
<td>7 , 1</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>Isaccea²</td>
<td>, 1, 1</td>
<td>1</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Dinogetia³</td>
<td>1</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Macin⁴</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Troesmis⁵</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Niculitel⁶</td>
<td>1, 1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Babadag⁷</td>
<td>1, 1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Valea Mucarilor⁸</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nufarui⁹</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vasile Alecsandri¹⁰</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Kogalniceanu¹¹</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Private collections¹²</td>
<td>1, 2, 1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>1 - 10, 3, 3, 1, 2, 25</td>
<td>8</td>
<td>53</td>
<td></td>
</tr>
<tr>
<td>%</td>
<td>1.88 - 18.87, 5.66, 5.66, 1.88, 3.77 47.17, 15.10</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>A1= 1.88 -</td>
<td>A2 = 33.96</td>
<td>A3 = 62.26</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1. 21 specimens are from the numismatic collection of the Museum of Tulcea: see Al. Popeea, V. H. Baumann, "Monede bizantine anonime si skifate in Colectia Muzeului din Tulcea", *Peuce*, 6, 1977, 207-17; 1 of group (ii) is published in E. Oberländer- Tarnoveanu, C. Opait.

2. From the Cocosu monastery collection; see A.Popeea, Monede bizantine din Nordul Dobrogei, Puce, 4,1973-5,175-96. 1 specimen of group vii and 3 of group iv are stray-finds published by E.Oberlander - Tarnoveanu, C.Opait, op.cit.


6. See in E.Oberlander-Tarnoveanu, C.Opait, op.cit.; the specimen of group ii comes from the collection of the Cocosu monastery and it is published in A.Popeea, "Monede bizantine din Nordul Dobrogei...".

7. They belong to the numismatic collection of the Tulcea Museum; see A.Popeea, V.H.Baumann, op.cit., 208, nos.12,16,20.

8. It also belongs to the collection of the Tulcea Museum; ibidem, 207, no.8.

9-10. See E.Oberlander-Tarnoveanu, "Cronica descoperirilor monetare..." 510.


12. The specimen of Class A1 comes from the collection of C.Sturdza: see C.Poenaru Bordea, Monede bizantine din Dobrogea Provenite dint-o mica colectie, SCM,4,405-8; there is not precise reference but it has been described as double- struck and of a small module. For the one specimen of group ii see in E.Oberlander-Tarnoveanu, C.Opait, op.cit.; it is now held in the Museum "Delta Dunarii" of Tulcea. For the second specimen of the same group see E.Oberlander, Cronica descoperirilor...,510 (Col.Prof.Gh.Bunduc). The specimen of group iv, now in the Museum "Delta Dunarii", belonged to the collection of D.Marian; see E.Oberlander-Tarnoveanu, " Monede antice si bizantine descoperite...".
Central and South Dobrogea.

<table>
<thead>
<tr>
<th></th>
<th>A1</th>
<th>A2</th>
<th>A3</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>i</td>
<td>ii</td>
<td>iii</td>
<td>v</td>
</tr>
<tr>
<td>Capidava¹</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>6</td>
</tr>
<tr>
<td>Histria²</td>
<td></td>
<td></td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>Axiopolis³</td>
<td>1</td>
<td></td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>Constanta⁴</td>
<td>1</td>
<td></td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>Pacui lui Soare⁵</td>
<td>3</td>
<td>6</td>
<td>1</td>
<td>14</td>
</tr>
<tr>
<td>Hedgidia⁶</td>
<td></td>
<td>1</td>
<td></td>
<td>23</td>
</tr>
<tr>
<td>Total</td>
<td>1</td>
<td>6</td>
<td>9</td>
<td>28</td>
</tr>
</tbody>
</table>

\% 2.08, 12.5, 18.75, 2.08 47.93, 14.58, 2.08

A1 = 2.08  A2 = 33.33  A3 = 64.58

1. Fourteen specimens have been published by P. Diaconu in G. Florescu, R. Florescu, P. Diaconu, Capidava, Monografie Arheologica, vol. I, Bucharest 1958, 233-4; see also for a more detailed description D. M. Metcalf, Coinage in South-eastern..., 61. One further specimen has been recorded in Z. Covacef, "Report preliminar a supra cercetarilor arheologice din sectorul V al cetatii Capidava. (campaniile din anii 1975-9)", Pontica, 13, 1980.

2. H. Nubar, "Monede bizantine descoperite in satul Istria", SCIV, 17, 1966, 605-7; it has been published as A-1 according to Thompson's scheme but it might belong to Class A3 (=intermediate size).


4. D. M. Metcalf, Coinage in South-eastern..., 62 and esp. n. 22.


Wallachia

<table>
<thead>
<tr>
<th></th>
<th>A1</th>
<th>A2</th>
<th>A3</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>i</td>
<td>i</td>
<td>iii, v</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pitesti¹</td>
<td>1</td>
<td>1</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Stolnici²</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Oltenia³</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Calarasi⁴</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>2</td>
<td>1</td>
<td>2</td>
<td>5</td>
</tr>
<tr>
<td>%</td>
<td>40</td>
<td>20</td>
<td>40</td>
<td></td>
</tr>
<tr>
<td>A2 = 60</td>
<td></td>
<td></td>
<td>A3=40</td>
<td></td>
</tr>
</tbody>
</table>

1,2. C. Poenaru Bordea și P. Dicu, "Monede romanetiraii și bizantine (secolele IV-XI) descoperite pe teritoriul județului Arges, SCI, 9, 1989, 80; the one specimen from Stolnici belongs to Grierson’s variety 1a which is apparently related with var. 24 (= intermediate seize, same tall and dense reverse lettering, same ornamentation.).

3. C. Poenaru, C. Voicu, Cîteva monede bizantine descoperite în Oltenia, SCI, 26, 1975, 153-5 (the coin comes from Ghindeni in the district of Dolj; it might be of var. 27).  
4. D. H. Metcalf, Coinage in South-eastern... 62 and esp. n. 22.

Moldavia¹

Pascani: 1 specimen of var. 8 (group iii) was included in a small hoard containing 3 more anonymous folles of Classes B, C, and G.

Nicolae Balcescu: 1 specimen of group (iv)

Class A2: Provisional classification of the varieties.

A2

(i1): {14, 15, 16, 19, 22, 41, 45a, 46, 16a} - {16, 16a} - {16, 16a} - 18-19-19a, 30, 33a, 36, 42b, 54, 49 (9)

On the grounds of their reverse ornament, varieties 15-19a, 30, 36, 33a, 42b may belong together. They show a similar ornament consisted by two horizontal bars between which a letter, either Greek or Latin, is added. Varieties with a dot between the letter and the bar might be considered as variations of the normal types and not as independant series. There are close similarities among the reverses of all the above varieties. This grouping, finds useful support in hoards II.2, II.5 and III.10.

Varieties 14 and 22 iconographically fit into group (vi) but their weight, size, and general execution entirely rule out the association. Moreover, their reverse lettering is very much reminiscent of group (v), which as we shall see might be incorporated into group (ii). Their appearance with group (v) in hoard II.1 and with varieties 48 and 49 in the small hoard II.4 supports the arrangement. Variety 14a with a dot inside the diamond-shaped ornament probably is a meaningless alteration due to a die-sinker's device.

The repetition of a similar reverse ornament some years later is difficult to understand in terms of mint-organisation. In the case of the varieties 14 and 22, the diamond-shaped ornament could be a misunderstanding of the ornament on varieties 15 and 15a.

1. { } = new attribution to the groups. [ ]=varieties not substantive. ( )=a closer date could be defined.
A risky alternative, namely that this repetition defines the beginning of a new coinage needs more evidence. If so, varieties 29,29/41 and 42 of group (vi) could be attributed to Constantine VIII (1025-8), while varieties 14 and 22 to the beginning of Basil II's reign.

Varieties 48,49 and 9, formerly attributed to group (ii)(?), might be counted as a single series. Similarities between them and variety 8 of group (iii) imply that they represent together with the three varieties of group (v) the last phase of group (ii). They appear more common than the other varieties of the group under discussion; they probably belong to the period after the domestic rivalries (989-992).

The rest of the varieties 1,11,6,50, are very close in the style of both their obverses and reverses to the other varieties of group (ii). Their reverse ornaments, however, suggest their separate grouping. Some of these specimens are of an extremely elaborate style.

(iii):8,4,2,3,5,5/24b,3/20,7,6a.

Varieties 2 and 4 are very scarce and there is very little evidence for them. Their proportions either in stray finds or in hoards are curiously very low. The appearance of variety 4 in hoard I,15, which might have been deposited a couple of years earlier than I,1, might suggest that it preceded variety 2.

1. The hoard appears to have been buried during the Bulgarian threat against Thessaloniki in 995; the Byzantine population took refuge on the coast. The deposit of the hoard I,1 could be similarly connected with the Bulgarian incursions to Hellas in 997.
In hoards II.2-II.3-II.6 specimens of variety 20 show a very similar reverse lettering to variety 3. Much more evidence will be needed to discover how varieties 20 and 24b stand in relation to varieties 3 and 5, in terms of mint-organisation. The slightly different reverse lettering of variety 24b suggests, however, that it probably was a separate issue. The relation of variety 3 to 3/20 seems similar.

Finally the execution of the four-dotted ornament of variety 8 is sometimes very reminiscent of that on varieties 48-49 and 9 of group (ii) concerning the size of the dots. Specimens, however, with four small dots are closer in style to group (iii). Variety 8 would be the earliest of group (iii).

The evidence for varieties 7 and 6a is extremely patchy. Both appear very rare. A late date in the sequence of group (iii) might be possible.

(y): var. 25, 26-8.

The reverse ornamentation, the weight-standard of the group averaging about 15g., the size and strong reverse affinities with varieties 48 and 49 suggest that it might be considered as part of group (ii). The hoard evidence, however, is too scanty to support this classification.
(vii): 34, (21), (12).

The reverse ornament of variety 34 appears also on varieties 12 and 21 in a more elaborate style. Some small sized specimens of 34 bear undotted asterisks and are more in the style of group (iii) to which it is also related by its weight-standard averaging about 13g. Nevertheless the eight specimens included in hoards II.6 and II.9 have an average weight of about 16.36g. A similar inconsistency in fabric and weight also occurs on varieties 12 and 21, formerly attributed to group (ii).

The above features indicate that group (vii), as well as group (viii) and some early varieties of (iv), could be considered transitional between Class A2 and A3 although more evidence is needed. The appearance of group (vii) in hoard II.9, could be indicative for this scheme.

(ix): 51.

This yields even more difficulties and the related hoard information is extremely limited, while we know almost nothing of its metrology. The one specimen of the hoard II.6 weights about 12.96g, and an illustrated example from Athenian stray-finds displays a small lettering very reminiscent of variety 5. It could be considered the link between group (vii) and (viii). The cross-arms on Christ's nimbus is a distinctive feature of both groups (vii) and (ix).
Class A3:

(viii) var. 31-32-32a?

On the reverse of var. 32a the cross of var. 32 has been replaced by a lily between bars, similar to the reverse ornament of var. 45 (group vi). The two illustrated specimens of varieties 32 and 32a in DOC, show, however, close reverse affinities. More evidence is needed.

(iv) var. (23)-[3a-14b-24-33-42a]-[39-40-40a-40b-24a]

On the grounds of stylistic similarities among the varieties of group (iv), the concurrent use of both reverse ornaments seems possible. The available hoard evidence, however, points at a different chronological sequence.

The early varieties 39 or 40 of group (iv) show a fluctuation in their weight-standard rising from 15g. to 9g. Coins of the "intermediate" size of this group, however, are uniform in style with a characteristic tall and rectangular reverse lettering.

Of the new varieties with the same floral reverse ornament, 40b and 24a are usually of the intermediate size.

There is some indication from hoard III.1 that variety 23 formerly attributed to group (ii) could actually belong here. More evidence for the reverse lettering of the variety is needed.

Varieties 24 and 33 seem more homogenous than 39 or 40 and more related in style and general appearance to group (vi).

1. Group (iii) is totally absent from the hoard; two folles of early Macedonian emperors have been, however, survived: it is not certain that they belong to the hoard: this is the opinion of Dr. M. Oeconomides.
The evidence for the chronological sequence of these varieties is still extremely scanty. The attribution of varieties 29,29/41 and 42 to Constantine VIII's reign is possible but more evidence is needed.

The appearance of the diamond-shaped ornament on varieties 29,29/41, which occurs also on group (ii), is difficult to understand in terms of mint-organisation. A risky theory that it could indicate a change of reign needs evidence.
Appendix V

Monetary circulation.

A.- The hoards.

Greece

Theme of Peloponnesian.

Gold hoards.

   831-840 6AU
   Theophilus: 6 solidi (=DOC Class III(d): 830/1-40)
   Disposition: Corinth [American excavations].
   BCH 90,1966,751,754.

Silver hoards.

   late 10th cent. 5AR
   Basil II: 5 miliareis (DOC Class IV:989-1025).
   Disposition: Kenchreai [American excavations].
   R.L.Scranton,E.S.Ramage."Investigations at Kenchreai 1963".
   Hesperia, 33,1964,134-45.
   R.L.Hohlfelder, Kenchreai Eastern Port of Corinth. III. The Coins.

Copper hoards.

3. Corinth/15 May 1934. (Area of the South Basilica)
   c.944 110AE
   Romanus I.
   Disposition: Corinth (American Excavations).
   K.Edwards, Hesperia,6,1937,250.
   S.Mosser,22.

4. Corinth/1965 (Roman Bath)
   c.944 8AE
   Romanus I.
   Disposition: Corinth (American Excavations).
   BCH 90,1966,751,754.
   c. 944  66AE
   Romanus I
   Disposition: Corinth (American excavations)
   BCH. 80, 1956, 256.

6. Malthi (Dorion).
   c. 944  1AR + 139AE
   Romanus I
   Disposition:?

7. Corinth/1934.  (West shops)
   c. 945  22AE
   Romanus I: 21
   Constantine VII: 1
   Disposition: Corinth (American Excavations).

   945/6  65AE
   Constantine VII: 44
   Constantine VII & Romanus II: 9.
   Disposition: Athens Numismatic Museum (temporarily).
   To be published by V. Pennas.

9. Corinth/? (St. John's monastery)
   931 - 944  4AE
   Leo VI: 1
   Romanus I: 3
   Disposition: Corinth (American excavations).
10. Corinth/ October 1936. (South Stoa).
993-1015 54 AE
Anonymous folles: Class A2.
Disposition: Corinth (American Excavations).
J. M. Harris, Hesperia, 10. 1941, 143-62.

11. Corinth/22 May 1936 (In a vaulted grave)
c. 997 12AE
Anonymous folles: Class A2.
Disposition: Corinth (American excavations).

12. Corinth/ November 1936. (Agora: in a bothros)
993-1015 2 AE
Anonymous folles: Class A2.
Disposition: Corinth (American excavations).

13. Corinth/February 1938(a). (Agora: cached in a wall)
993-1015 3AE
Anonymous folles: Class A2.
Disposition: Corinth (American excavations).

14. Corinth/February 1938(b). (South Stoa: stuck together).
993-1015 3AE
Anonymous folles: Class A2.
Disposition: Corinth (American excavations).

c. 997 8AE
Anonymous folles: Class A2:8
Disposition: Corinth (American excavations).

c. 1019. 94AE
Leo VI: 1 {DOC, Cl. 3}
Constantine VII: 3 {DOC, Cl. 5}
Nicephorus II: 2 {DOC, Cl. 1}
   Class A2: 60.
   Class A3: 1.
Worn: 23

Disposition: Athens Numismatic Museum (Inv.no.1901/2 K'): From the American excavations.

17. Corinth/1899.

1025-1029 108AE (?)
Romanus I: 1.
   Class A2: 91.
   Class A3: 4.
Worn: 11.

Disposition: Athens Numismatic Museum (Inv.no.1901/2/AΔ/Β/Δ): from the American excavations.

The precise number of specimens is not certain; Svoronos writes in the inventory book of the Museum: "168 Byzantine bronze coins, the most part of which are of John Zimisces, from one find..." I took into account only 108 specimens, although there were about 10 more folles of Class A, all of Metcalf's group (iii), among the 60 specimens of this acquisition. These have not included because they were not stored in fixed order and occurred together with earlier and later issues.
18. Corinth/1902.
c. 1029. -109AE
    Class A2: 82.
    Class A3: 3
Worn: 22.
Disposition: Athens Numismatic Museum (Inv.no 1901/2/ΑΔ ΓΥ): from the American excavations. Svoronos describes: "...124 Byzantine bronze coins, of which 96 of John Zimisces from one find..." The specimens, however, of Class A from this acquisition are total 109 and there is no separate indication for those which originally constituted the hoard. Besides, the chemical cleaning of the coins does not permit to be distinguished on the basis of their patina.

1042-1050 9AE
Anonymous folles: Class C.
Disposition: Corinth (American excavations).
D.M.Metcalf, Coinage in South-eastern Europe...73 and esp.n. 5.

20. Corinth/30 April 1929
1050-1060 74 AE
Anonymous folles: Class D.
Disposition: Athens Numismatic Museum
K.Edwards, Corinth. 12.140.Pl.X.
S.Hosser, 20.

1065-1070 6AE
Anonymous folles: Class G.
Disposition: Athens Numismatic Museum.
J. Svoronos, K.Konstantopoulos, JIAN.1913,48.

71081 19AE
Anonymous folles: Class A3: 2
Class B: 8
Class C: 1
Class D: 2
Constantine X: 1 {DOC.CL.2}
Anonymous folles: Class G: 1
Nicephorus III: 1
Nicephorus Bruennius: 1
Anonymous folles: Class J:
Class K: 1

Disposition: Athens Numismatic Museum (?)


c. 1092 161AE
Anonymous folles: Class F: 1
Class H: 5
Class I: 4
Nicephorus III: 124
Anonymous folles: Class J: 3
Class K: 22

Disposition: Athens Numismatic Museum. It was found by a villager in ancient Corinth.
BCH, 1960, 498

end of the 11th cent. 7AE
Anonymous folles: Class H: 1
Class I: 2
Nicephorus III: 2
Alexius I: 2 (tetartera)

Disposition: Corinth (American excavations).
J. D. MacIsaac, Hesperia, 56, 1987, 159.
25. Corinth/April 1938. (St. John's area).
end of the II th cent.       ?AE
Anonymous folles: Class A3:2
Alexius I: ?
Disposition: Corinth (American excavations).

end of the 11th cent.       ?AE
Anonymous folles: Class A3:1
Alexius: ?
Disposition: Corinth (American excavations).

27. Corinth/February 1938. (Agora).
Similar to the previous.

1092-1118       87AE
Leo VI: 1 (DOM Cl. 3)
Anonymous folles: Class E:1
Nicephorus III: 11
Anonymous folles: Class K:14
Alexius I: 60
Disposition: Corinth (American excavations)
S. Mosser, 22.

29. Corinth/16 April 1938. (St. John's area).
1092-1118       17AE
Basil I: 1
Alexius I: 16 (tetartera).
Disposition: Corinth (American excavations)
30. Corinth/16 May 1936. (South Stoa)
1092-1118 AE
Anonymous folles: Class F: ?
Alexius I: ?
Disposition: Corinth (American excavations).
D. M. Metcalf. Coinage in South-eastern Europe... 73 and esp.n. 7.

31. Corinth/1911/12.
c.1143 177AE
Leo VI: 1 (DOC, Cl. 3)
Romanus I: 1 (DOC, Cl. 4)
Anonymous folles: Class A2: 2
Class A3: 21
Class B: 79
Class C: 3
Class D: 15
Constantine X: 7 (DOC, Cl. 1)
Anonymous folles: Class E: 2
Class G: 15
Class H: 6
Class I: 2
Nicephorus III: 5
Anonymous folles: Class J: 1
Class K: 2
Alexius I: 3 (pre-reform)
John II: 3 (tetartera)
Worn: 7
Disposition: Athens Numismatic Museum (Inv.no.1911/12, N/B.a): from the American excavations.

c.1144 11AE
Anonymous folles: Class F: 3
Class H: 1
Class K: 1
Alexius I: 5 (tetartera).
Manuel I: 1 (tetarteron).
Disposition: Corinth (American excavations).
33. Corinth/ November 1937. (South central area of the Agora).

C. 1147 85AE

Basil I: 1 \(\text{DOC C1.3 or 4}\)
Leon VI: 1 \(\text{DOC C1.3}\)
Romanus I: 1 \(\text{DOC C1.4}\)
Anonymous folles: Class A2: 7
  Class B: 8
  Class C: 3
  Class D: 2
  Class F: 1
Constantine X: 6 \(\text{DOC C1.2}\)
Anonymous folles: Class G: 9
  Class H: 1
Nicephorus III: 2
Anonymous folles: Class J: 5
  Class K: 4
Alexius I: 5 (tetartera).
John II: 12 ("").
Manuel I: 7 ("").
Disposition: Corinth. (American excavations).
J. M. Harris, \textit{Hesperia}, 10, 1941, 146.

34. Sparta/1924 or 1925.

1143-1180 60AE

No detailed description exists: the hoard ranges from Leo VI to
Manuel I.
Disposition: Athens Numismatic Museum (?).
Theme of Hellas.

Gold hoards.

35. Liopesi hoard/±1946.

c. 741

<table>
<thead>
<tr>
<th>Coinage</th>
<th>Items</th>
</tr>
</thead>
<tbody>
<tr>
<td>Constantine IV</td>
<td>1 (tremissis)</td>
</tr>
<tr>
<td>Justinian I (first reign)</td>
<td>3</td>
</tr>
<tr>
<td>Leontius II</td>
<td>2</td>
</tr>
<tr>
<td>Tiberius III</td>
<td>3</td>
</tr>
<tr>
<td>Justinian II (second reign)</td>
<td>9</td>
</tr>
</tbody>
</table>

Philippicus: 1

Anastasius II: 6

1 (semissis)

Theodosius III: 1

Leo III: 7

1 (semissis)

Leo III & Constantine V: 14

Disposition: Dumbarton Oaks Collection.


36. Chalcis/1851.

1143-1181

<table>
<thead>
<tr>
<th>Coinage</th>
<th>Items</th>
</tr>
</thead>
<tbody>
<tr>
<td>Constantine X</td>
<td>12</td>
</tr>
<tr>
<td>Manuel I</td>
<td>1</td>
</tr>
</tbody>
</table>

Disposition: Athens Numismatic Museum (only two) [Λογοδοσία πρωτάνεων 1858-9. 99]

Copper hoards.


c. 997

<table>
<thead>
<tr>
<th>Coinage</th>
<th>Items</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anonymous folles</td>
<td>Class A2: 17</td>
</tr>
</tbody>
</table>

Disposition: Athens (American excavations).

1042-1050 7AE
Anonymous folles: Class C
Disposition: Athens (American excavations).

39. Tanagra/Liatani/1924. (In a field)
1050-1060 25AE
Anonymous folles: Class D.
Disposition: Athens Numismatic Museum.
*BCH*, 1924, 451
*RN*, 1926, 107
Mosser, 86.

40. Athens/1956 (At the foot of Acropolis).
c. 1081 20AE
Nicephorus III
Disposition: Athens Numismatic Museum.
*BCH*, 1957, 498.

c. 1081 5AE
Nicephorus III
Disposition: Athens Numismatic Museum.
*BCH*, 1950, 293.

42. Chalcis/1956(?) (Marketes' private collection).
c. 1092 53AE
Justinian I : 1
Basil I : 1
Constantine VII: 2
Anonymous folles: Class A1: 1
Class A2: 31
Class A3: 1
Class B: 5
Class C: 1
Class D: 1
Class E: 1
Constantine X : 1  
Anonymous folles : Class I : 1  
Nicephorus III : 2  
Anonymous folles : Class K : 1  
Worn : 1  
Disposition: Athens Numismatic Museum. 
Unpublished.

---

Theme of Mikopolis.

Gold hoards

43. Kastoria/1945.
1143-1181  9AU  
Romanus IV: 2  
John II : 2  
Manuel I : 5  
Disposition: Athens Numismatic Museum.  
BCZ 71-72, 1947-8, 393.  

Copper hoards.

44. Kato Basilica Aetolias/1988  (In a tomb)
997  11AE  
Anonymous folles: Class A2  
Disposition: Giannena  
45. Drosaton Eupaliou/1960 (In a field)
1118-1143 34AE
Constantine VII:1
Anonymous fllies: Class A3:8
   Class B:6
   Class D:1
Romanus IV:1
Anonymous fllies: Class H:2
   Class I:2
Nicephorus III:3
Anonymous fllies: Class K:4
Alexius I:5 (tetertera)
John II:1 (tetertera)
Disposition: Athens Numismatic Museum.
I. Touratoglu, N. Toumpti, M. Krkos-Galani, "O Θησαυρός "Κομοτηνής" 1979(;)", 397.

Theme of Thessaloniki.

Gold hoards.

50. Chryse/Edhessa/1935. (In the courtyard of Ieropoulos'house)
c. 965/6 19AU
Constantine VII and Romanus II:16
Nicephorus II and Basil I:3
Disposition: Athens Numismatic Museum.
BCH, 1936, 454.
M. Oikonomidou, "Θησαυρός" χρυσών νομισμάτων από τη Χρυσή 'Εδεσσας (10ος αιών) (forthcoming in the honorary volume of Manolis Chatzidakis): the author dates the deposit of the hoard in 971, when the Bulgarian bishopric was settled in the nearby city of Moglena.
Silver hoards.

51. Thessaloniki/1891.
942/3 7AR
Artavasidus and Nicephorus.
Disposition: Warsaw Archaeological Museum

---

Copper hoards.

52. Nea Syllata/Chalkidiki/1977
C.904 26AE
Leo VI
Disposition: Archaeological Museum of Polugyros.

c.995 12AE
Anonymous: Class A2:12
Disposition: Thessaloniki: Ephorate of Byzantine Antiquities of Chalkidiki.
Unpublished.

54. Thessaloniki/1933 (b). (Excavation at Vagias' plot)
1092-1118 112AE
Theophilus: 1
Anonymous: Class A2:1
Class A3:1
Worn: 2
Class K: 1
Alexius I: 105 (*tetartera*)
Worn: 2 (the one was a late Roman issue).
Disposition: Athens Numismatic Museum.
1143-1180  3AE  
Anonymous folles: Class A2:1  
Alexius I: 1 (tetarteron)  
Manouel I: 1 (half-tetarteron)  
Disposition: Athens Numismatic Museum.  
I. Τσούρτσογλου, Η. Τσούρτση, Μ. Κρίκου-Γαλάνη, op. cit., 395.

Theme of Macedonia
Copper hoards.

56. Abdera/1987  
1042-50  8AE  
Anonymous folles: Class A2:1 [very worn]  
Class C: 7  
Disposition: Byzantine Ephorate of Kavala.  
Unpublished.

Theme of Aegean Sea and Crete.

57. Santorini (Thira)/1895-1902.  
829  29AR & 1AU  
Michael II(?): 1 solidus.  
Theophilus: 29 miliareia.  
Disposition: Unknown!  

58. Tegani/Samos/1914.  
963-9  9AU & 15AR  
Constantine VII and Romanus II: 9 solidi  
Nicephorus: 15 miliareia.  
Disposition: Athens Numismatic Museum.  
Unpublished.
c. 1009 98AU
Nicephorus II: 8
Basil II and Constantine VIII: 98
Disposition: Heracleion Historical Museum.
Σ.Αλεξίου, ΑΔ.18-Β2. 1963.313-4
To be published by V. Pennas and M. Borboudakis.

60. Unknown provenance/Central Greece?
1015-9 60AE
Anonymous folles: Class A2
Disposition: Athens Numismatic Museum.
To be published by V. Pennas.

61. Unknown provenance (Central & South Greece?)/before 1922.
1070-5 193AE
Anonymous folles: Class H
Disposition: Athens Numismatic Museum
To be published by M. Oeconomides.

********************************
Yugoslavia

Gold hoards:

62. Dreznica/1867.
c. second half of 11th cent. 300AU
Romanus III
Disposition: Dispersed
Metcalf, Coinage in South-eastern, 178.
Mirknin, no. 363.

63. Gornje Ogorje/1896.
c. second half of 11th cent. 5+13(?)AU
Romanus III
Disposition: Split Archaeological Museum (?).
Metcalf, op. cit.
Metcalf, GRBS 3, 1960, 103.
Mirknin, no. 368

64. Sinjskopolje/1912.
c. second half of 11th cent. 8AU
Romanus III
Disposition: dispersed.
Metcalf, Coinage in South eastern, 178.
Id., "A shipreck", 103.
Mirknin, no. 364(?)

65. Klobuk 1930/1.
c. second half of 11th cent. +23AU
Romanus III
Disposition: Split Archaeological Museum.
Metcalf, Coinage in South eastern, 178.
Mirknin, no. 365.
66. VITIMA/1890.
1055-6 9AU
Romanus III:6
Theodora :1
Disposition: Sarajevo Archaeological Museum.
Mirnik, no. 371.

after 1041. 8AU
Constantinus VII:1
John II :1
Basil II :4
Romanus III :1
Michael IV :1
Disposition: Unknown.
Mirnik, no. 366.

68. C. MITROVICA/1098.
after 1078 +2AU
Nicephorus III
Disposition: Zagreb Archaeological Museum.
Metcalf, HEM, 14, 1960, 439.
Mirnik, no. 370.

1090-2 +60EL; +66AR
Constantine IX :1
Michael VII :10
Michael VII + Maria:35
Nicephorus III: 7; Nicephorus III + Maria: 6 AR
Alexius I:68
Disposition: in commerce.
CHI, II, no. 337.
Silver hoards.

70. Strovij/Petocnica/May 1976. (Pot hoard)
c.1081 +103AR
Constantine IX:1
Constantine X:6
Michael VII:95
Nicephorus III:1
Disposition: Unclear.
CH.VI.no.230.["Little doubt that this is a further part of Hoard 337 in Hoards volume II"]

Copper hoards.

71. Srpska Nitrovica/1903.
c.1029 3 or 4AE
Anonymous folles: Class A3.
Disposition: Zagreb Archaeological Museum.
Metcalf, HEM, 14,1960,438.
Mirk, no.361 (Macvanska Nitrovica).

c.1029 10AE
Anonymous folles: Class A2:3
Class A3:4
Worn :1
Roman :1
Disposition: Srem Archaeological Museum.
V.Popovic, Sirmium, 8,1978,181-93.
Bulgaria

Gold hoards

945 or later 4AU
Romanus and Christopher: 3
Constantine VII and Romanus II: 1
Metcalf, Coinage in South eastern... 44.
D. Angelov and others. Istoriya na Finansovata... 29, table 3.

74. Maluk Povorets/1934.
960 or later 5AU
Basil I: 2
Romanus I and Christopher: 1
Constantine VII and Romanus II: 2
Disposition: Razgrad Museum.
Gerassimov, IBAI, 13, 1939, 344.

75. Iatrus/1975.
960 or later 45AU
Romanus I and Christopher: 28
Constantine VII and Romanus II: 17.
CH. V no. 216.

76. Tunak
C. 969 5AU
Constantine II and Romanus II
Nicephorus Phocas.
Youroukova, "La circulation des monnaies Byzantines...", 139, table 3.

77. Iatrus/1962
C. 969 9AU
Constantine VII and Romanus II
Nicephorus and Basil II
E. Kluwe, Klio, 47, 1966, 397-416.
Metcalf, Coinage in South eastern... 44 and esp. n. 29.
78. Krivina(a)/1975.
959–969 45AU
CH.IV no.193.

79. Krivina(b)/?
959–969 8AU
D. Angelov and others *op. cit.*, 29, table 3.

80. Voden/1934.
969 or later
*Disposition: dispersed* 8AU

81. Gyurgendzhik/1911.
1078 and later 22AU
Michael VII: 21 {DOC Cl.IId}
Michael VII and Maria: 1 {tetearteron=DOC Cl.II}
Mosser, 37
D. Angelov, *op. cit.*, 64, table 5.

82. Ishirkovo/1965.
1081 and later 22AU
Romanus III: 5
Constantine IX: 15
Nicephorus III: 2
*Disposition: Silistra Museum.*
*IAI*, 29, 1966, 212
Angelov, *op. cit.*

83. Khisar/1922.
1092 and later 65AU
Michael VII: 1
Nicephorus III: 58
Alexius I: 1 pre-reform
  4 post-reform
*Disposition: Sofia Museum* (only 2).
Mosser, 39.
Angelov, *op. cit.*
1092 and later 7AU
Nicephorus III:3
Alexius I:3 (post reform: mint of Thessaloniki)
Disposition: Plovdiv Museum.

85. Sofia/1897.
c. 1001 35 AU 171AR
Romanus III-Alexius I
Disposition: Sofia Museum.
Mosser, 80.
Metcalf, Coinage in the Balkans...84.

Silver hoards.
86. Preslav.
959-969 15AR
D. Angelov, op. cit., 29, table 3.

c. 1025 2AR+
John II:1
Basil II:1
Disposition: Silistra Museum.
D. Angelov, op. cit., 64, table 5.

1055 or later. 3kg. AR
John II and Constantine IX
Disposition: Sofia Museum.
IBAI.17, 1950, 324.

1055 or later. 23AR
Constantine IX
IBAI.20, 1955, 603.
Metcalf, Coinage in South eastern...76 and n. 26.
Copper hoards.

90. Bratimir.
886-912 11AE
Leo IV
*IBAI*, 12, 1956-7.
Metcalf, *Coinage in South eastern*. . . 42

91. Takimovo (Progorelets)/1960.
914-9 5AE
Leo VI:3
Constantine VII and Zoe:2

c.1029 895AE
Anonymous folles: Class A2 and A3.

1029 and later 18AE
Anonymous folles: Class A2
*IBAI*, 21, 1957.

94. Bejanovo.
First half of 11th cent. 2kgsAE
Anonymous folles: Class A.
Disposition: Archaeological Collection of the Library "Suglasie" in Pleven (only 11).
*IBAI*, 12, 1938, 454.

c.1030 10AE
Anonymous folles: Class A:8
Class B:2
Disposition: Tetevene Museum (only the 2 Class B).
*CH*, VI, no. 226.
c. 1030 124AE
Anonymous folles: Class B.
Disposition: Choumen branch of Institute of Archaeology and Museum of Sofia.
CH, VI, no. 225.

97. Gabrovo.
c. 1030 134AE (?)
Anonymous folles: Classes A and B.
Disposition: Gabrovo Regional Museum 134 Inv. No. M1762-M1816. (only 54)
CH, VI, no. 224.
D. Angelov, op. cit., 64, table 5.

mid. 11th cent. 18AE
Anonymous folles: Class B
Disposition: Historical Museum Nessebar.
CH, IV, no. 195.

99. Preslav : 8 AE
100. Silistra : 49AE
101. Lydzhene : 100AE

There is no description of these hoards at all; they are simply dated 1025-1042: see D. Angelov, op. cit., 64, table 5.

11th cent. 63 AE
CH, IV, no. 196.

11th cent. 600AE
CH, VI, no. 223.
Romania

Gold hoards.

105. Valul lui Trajan.
1069 and later. 8AU
Constantine VII and Romanus II
Nicephorus II.
Metcalfe, Coinage in South eastern ..., 44, n. 36.

106. Dolhesti/1904.
1025 and later 80AU
Basil II and Constantine VII.
Mosser, 27.

107. Carvan (Dinogetia)/1939.
c. 1050 106AU
Basil II: 103 {Tetartera}.
Romanus III: 1 {Histamenon}
Constantine IX: 2
Disposition: Museul de Istorie al Republicii Socialiste Romana.
G. Stefan, Dacia 7-8, 1937-40, 422-41.
CH.VI, no. 227.
108. Garvan (Dinogetia)/1954.

C. 1065  7AU and 4AR
Basil II: 7{tetarteron}
Theodora: 1{miliaresion}
Isaac I: 3 "


1074 and later  15AU
Romanus IV: 6
Michael VII: 9


1092 and later  31AU
Basil II: 4
Constantine IX: 6
Isaac I: 1
Constantine X: 4
Romanus IV: 4
Michael VII: 6
Alexius I: 1


G. Severeanu, 'Tezaurul din Kalipetrovo(Silistra), Inchinare lui N. Iorga cu prilejul implinirii varstei de 60 de ani'. Cluj. 1931. 8.
Silver hoards
111. Calarasi/1947.
c. 971
John I Zimisces
I. Dimian, SCW1, 1957, 199.

Copper hoards.
112. Rasova/1934.
842 and later
Theophilus.
Dimian, op. cit. 198.

113. Cleja/1930.
c. 945 and later
Leo V and Constantine: 1 (Syracuse)
Michael II and Theophilus: 1 (Syracuse)
Theophilus: 1 (pro-reform)
Theophilus: 1 (uncertain western provincial mint)
Theophilus, Constantine and Michael II: 1 (uncertain western provincial mint)
Basil I: 1 AR
Basil I: 2
Basil and Constantine: 6
Leo VI: 11
Leo VI and Alexander: 3
Constantine VII and Zoe: 1
Romanus I: 2
Constantine VII: 3
Dimian op. cit., 198.
114. Urluia/1936

<table>
<thead>
<tr>
<th>Period</th>
<th>Coins</th>
</tr>
</thead>
<tbody>
<tr>
<td>Leo III</td>
<td>3 AR</td>
</tr>
<tr>
<td>Constantine V</td>
<td>1</td>
</tr>
<tr>
<td>Leo IV</td>
<td>8</td>
</tr>
<tr>
<td>Constantine VI</td>
<td>1 AR</td>
</tr>
<tr>
<td>Constantine VI</td>
<td>1 (DOC Cl.1)</td>
</tr>
<tr>
<td>Constantine VI</td>
<td>3 (DOC Cl.1)</td>
</tr>
<tr>
<td>Leo V</td>
<td>2</td>
</tr>
<tr>
<td>Basil I</td>
<td>1</td>
</tr>
<tr>
<td>Constantine VII and Zoe</td>
<td>2</td>
</tr>
<tr>
<td>Romanus I</td>
<td>6</td>
</tr>
<tr>
<td>Constantine VII and Romanus II</td>
<td>1</td>
</tr>
</tbody>
</table>

Dimian, *op. cit.* 199

115. Pacuiul lui Soare/1973

<table>
<thead>
<tr>
<th>Period</th>
<th>Coins</th>
</tr>
</thead>
<tbody>
<tr>
<td>Constantine X</td>
<td>2</td>
</tr>
</tbody>
</table>

*Disposition:* Arch. Inst. Bucarest

*CH IV.* 194


116. Pacuiul lui Soare/1978

<table>
<thead>
<tr>
<th>Period</th>
<th>Coins</th>
</tr>
</thead>
<tbody>
<tr>
<td>Constantine X and Eudocia</td>
<td>2</td>
</tr>
<tr>
<td>Constantine X</td>
<td>3</td>
</tr>
</tbody>
</table>

*Anonymous folles:* Class G:11

*Disposition:* Calarasi History Museum

*CH V.* 217.

N. Conovici, R. Lungu, *SCIVI* 31, 1980, 397-402
117. Limanou/1926
c. 1085 6AE
Anonymous folles: Class H:1
Class I:3
Class J:1
Class K:1
Disposition: Bucharest Academy
CH.III.242

118. Mufarul/1966
c. 1092 50AE
From Class A2 to Alexius I
Metcalfe, *Coinage in South eastern...* 74, and n. 11.

119. Mufarul/1969
c. 1092 5AE
Anonymous folles: Class A:1
Class D:2
Constantine X and Eudocia:1
Class K:1
Disposition: 'Delta Dunarii' Museum, Tulcea

120. Plopem/1934
c. 1092 85AE
Anonymous folles: Class A2:10
Class A3:31
Class B:24
Class C:15
Class G:4
Class K:1
Dimian, *op. cit.* 200-1
121. Pacuiul Lui Soare/1976
1000-1100 12AE
Pot hoard
Disposition: Bucarest Institute of Archaeology
CZ.VI no. 229

Asia Minor

Gold hoards: for gold hoards see Mosser, 11, 25, 42, 47, 85, 92.

Silver hoards
122. Ankara/1960?
795 38AR
Leo IV and Constantine VI: 7
Constantine VI and Irene: 31
Disposition: dispersed.
CZ.2, no. 336

123. Unknown provenance/1987
C. 797 99AR
Leo III and Constantine V: 21
Artavasdus: 1
Constantine V and Leo IV: 5
Leo IV and Constantine VI: 17
Constantine VI and Irene: 55
Disposition: dispersed.
S. Bendall, MCirc. 96, 1988, 213.

124. Unknown provenance/1982?
C. 820 ?AR
Michael II
Disposition: in commerce
B. Stray finds from Greece

Theme of Peloponnese

<table>
<thead>
<tr>
<th>Reigns</th>
<th>Years</th>
<th>Sparta</th>
<th>Corinth</th>
<th>Quantity of coins per annum</th>
</tr>
</thead>
<tbody>
<tr>
<td>Theophilus</td>
<td>3</td>
<td></td>
<td>163</td>
<td>57</td>
</tr>
<tr>
<td>Michael III</td>
<td></td>
<td></td>
<td>20</td>
<td></td>
</tr>
<tr>
<td>Basil I</td>
<td>4</td>
<td></td>
<td>299</td>
<td>0.12</td>
</tr>
<tr>
<td>Total</td>
<td>7</td>
<td></td>
<td>482</td>
<td>8.46</td>
</tr>
<tr>
<td>Leo VI</td>
<td>9</td>
<td></td>
<td>1032</td>
<td></td>
</tr>
<tr>
<td>Constantine VII</td>
<td>27</td>
<td></td>
<td>2359</td>
<td></td>
</tr>
<tr>
<td>and colleagues</td>
<td></td>
<td></td>
<td>215</td>
<td>0.48</td>
</tr>
<tr>
<td>Nicephorus II</td>
<td>4</td>
<td></td>
<td>40</td>
<td>43.45</td>
</tr>
<tr>
<td>Total</td>
<td>40</td>
<td></td>
<td>3606</td>
<td></td>
</tr>
</tbody>
</table>

| Class A      | 59    | 1.51  | 3473    | 58.86                      |
| Class B      | 25    |       | 726     |                            |
| Class C      | 10    |       | 504     |                            |
| Class D      | 15    |       | 388     |                            |
| Class E      | 4     |       | 153     |                            |
| Class F      | 11    |       | 406     |                            |
| Constantine X: | 3   |       | 67      |                            |
| Class G      | 3     |       | 78      |                            |
| Romanus IV   | 2     |       | 65      |                            |
| Total        | 73    |       | 2387    | 56.80                      |

| Class H      | 24    |       | 187     |                            |
| Michael VII  |       |       | 88      |                            |
| Class I      | 23    |       | 261     |                            |
| Nicephorus III | 39 |       | 1883    |                            |
| Class J      | 9     |       | 72      |                            |
| Class K      | 15    |       | 203     |                            |
| Total        | 110   |       | 2691    | 122.32                     |

Total        | 319   | 5     | 12642   |                            |
Stray finds from other cities of Peloponnese:

Argos:

Theophilus: 1
Leo VI: 1
Constantine VII: 2
Class A: 1
Class B: 2
Class C: 2
Class G: 2
Class I: 2
Class K: 1
Nicephorus III: 3

Troizena: 3 Cl.A
Episkopi: 1 "
Epidauros: 5 "
Elis: 1 "
Messini: 1 Cl.D
Mystras: 1 "

Patras: 1 Constantine VII
       5 Cl.A
Sikyon: 1 Cl.A
       1 Cl.F

Cranion: 2 Leon VI
       2 Constantine VII
       2 Cl.A
       1 Cl.D
       3 Cl.G
       1 Michael VII
       1 Cl.F
       1 Cl.I
       1 Cl.J
       1 Nicephorus III
       1 Cl.K

Lecheon: 2 Cl.I
       2 Cl.J
       4 Nicephorus III
       1 Cl.K

Kenchreai: 2 Cl.A
         1 Cl.D
         2 Cl.K

Synoptic table of loss-rates at Peloponnese (except Corinth and Sparta)

<table>
<thead>
<tr>
<th>Periods</th>
<th>Coins</th>
<th>Years</th>
<th>Qty. of coins per annum</th>
</tr>
</thead>
<tbody>
<tr>
<td>829-886</td>
<td>1</td>
<td>57</td>
<td>0.02</td>
</tr>
<tr>
<td>886-969</td>
<td>8</td>
<td>83</td>
<td>0.1</td>
</tr>
<tr>
<td>969-1028</td>
<td>19</td>
<td>59</td>
<td>0.3</td>
</tr>
<tr>
<td>1028-1070</td>
<td>13</td>
<td>42</td>
<td>0.3</td>
</tr>
<tr>
<td>1070-1092</td>
<td>18</td>
<td>22</td>
<td>0.8</td>
</tr>
</tbody>
</table>
Theme of Hellas.

<table>
<thead>
<tr>
<th>Reigns</th>
<th>Coins</th>
<th>Years</th>
<th>Qty. of coins per annum</th>
</tr>
</thead>
<tbody>
<tr>
<td>Theophilus</td>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Michael III</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Basil I</td>
<td>19</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>24</td>
<td>57</td>
<td>0.42</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Reigns</th>
<th>Coins</th>
<th>Years</th>
<th>Qty. of coins per annum</th>
</tr>
</thead>
<tbody>
<tr>
<td>Leo VI</td>
<td>106</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Constantine VII</td>
<td>316</td>
<td></td>
<td></td>
</tr>
<tr>
<td>and his colleagues</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nicephorus II</td>
<td>61</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>483</td>
<td>83</td>
<td>5.82</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Class</th>
<th>Coins</th>
<th>Years</th>
<th>Qty. of coins per annum</th>
</tr>
</thead>
<tbody>
<tr>
<td>Class A</td>
<td>770</td>
<td>59</td>
<td>13.05</td>
</tr>
<tr>
<td>Class B</td>
<td>240</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Class C</td>
<td>157</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Class D</td>
<td>106</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Class E</td>
<td>13</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Class F</td>
<td>74</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Constantine X</td>
<td>28</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Class G</td>
<td>105</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Romanus IV</td>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>729</td>
<td>42</td>
<td>17.35</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Class</th>
<th>Coins</th>
<th>Years</th>
<th>Qty. of coins per annum</th>
</tr>
</thead>
<tbody>
<tr>
<td>Class H</td>
<td>230</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Michael VII</td>
<td>7</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Class I</td>
<td>363</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Class J</td>
<td>78</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nicephorus III</td>
<td>677</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Class K.</td>
<td>234</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>1589</td>
<td>22</td>
<td>72.22</td>
</tr>
</tbody>
</table>
Stray finds from other areas of the theme.

<table>
<thead>
<tr>
<th>Thebes:</th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Theophilus:</td>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Basil I</td>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Leo VI</td>
<td>5</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Class A</td>
<td>10</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Class B</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Class D</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Class F</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Class G</td>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Class H</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Class I</td>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Class J</td>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nicephorus III</td>
<td>6</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>37</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Attica:</th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Constantine VII</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2 Cl.A</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1 Cl.D</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1 Cl.H</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1 Cl.I</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1 Nicephorus III</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1 Cl.K</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Delphi:</th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>5 Basil I</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3 Cl.A</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1 Cl.B</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1 Cl.D</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3 Cl.F</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3 Cl.G</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2 Cl.H</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2 Cl.I</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1 Cl.J</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1 Cl.K</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Amfissa:</th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Basil I</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3 Leo VI</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5 Constantine VII</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1 Nicephorus II</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>15 Cl.A</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7 Cl.B</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4 Cl.C</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3 Cl.D</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1 Cl.F</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1 Constantine X</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5 Cl.G</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1 Cl.H</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1 Michael VII</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6 Cl.I</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3 Nicephorus III</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1 Cl.K</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>M. Anchialos</th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Theophilus</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2 Leo VI</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1 Constantine VII</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2 Cl.A</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2 Cl.B</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1 Cl.C</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1 Cl.F</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1 Cl.G</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1 Cl.H</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1 Cl.I</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1 Cl.K</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Lemia:</th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Nicephorus III</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Acrophimion:</th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Cl.B</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Pelasgia:</th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Cl.A</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Synoptic table of loss-rates at Central Greece
(Except Athens)

<table>
<thead>
<tr>
<th>Periods</th>
<th>Coins</th>
<th>Years</th>
<th>Qty.of coins per annum</th>
</tr>
</thead>
<tbody>
<tr>
<td>829-886</td>
<td>11</td>
<td>57</td>
<td>0.19</td>
</tr>
<tr>
<td>886-969</td>
<td>20</td>
<td>83</td>
<td>0.24</td>
</tr>
<tr>
<td>969-1028</td>
<td>33</td>
<td>59</td>
<td>0.56</td>
</tr>
<tr>
<td>1028-1070</td>
<td>41</td>
<td>42</td>
<td>1</td>
</tr>
<tr>
<td>1070-1092</td>
<td>38</td>
<td>22</td>
<td>1.72</td>
</tr>
</tbody>
</table>

=================================================================================================
Theme of Nicopolis

Arta: 2 Constantine VII
   : 2 Cl.A
   : 1 Cl.I
   : 1 Cl.J

Kephalos: 1 Constantine VII
   : 3 Cl.A

Acarania: 1 Cl.A

Acarnania: 1 Cl.A
   : 1 Cl.J

Corfu: 2 Constantine VII
   : 1 Cl.A
   : 1 Nicephorus III

Ithaca: 1 Cl.A

Munpaktos: 1 Theophilus

Giannena: 2 Theophilus

The theme of Thessaloniki.

Aian/Kozani: 1 Cl.I

Servia: 1 Theophilus
   : 1 Constantine VII
   : 2 Nicephorus II
   : 1 Cl.C

Beroia: 1 Cl.A
   : 1 Cl.H

Edessa: 2 Constantine VII
   : 3 Cl.A
   : 1 Cl.F
   : 1 Cl.I

Pella: 1 Cl.A

Thessaloniki: 4 Theophilus
   : 16 Cl.A
   : 3 Cl.H
   : 1 Nicephorus III

Rentina: 1 Leo VI
   : 4 Constantine VII
   : 27 Cl.A

Synoptic table of loss-rates at the theme of Thessaloniki.

<table>
<thead>
<tr>
<th>Periods</th>
<th>Coins</th>
<th>Years</th>
<th>Qty. of coins per annum</th>
</tr>
</thead>
<tbody>
<tr>
<td>829-886</td>
<td>5</td>
<td>57</td>
<td>0.09</td>
</tr>
<tr>
<td>886-969</td>
<td>10</td>
<td>83</td>
<td>0.12</td>
</tr>
<tr>
<td>969-1028</td>
<td>45</td>
<td>59</td>
<td>0.76</td>
</tr>
<tr>
<td>1028-1070</td>
<td>9</td>
<td>42</td>
<td>0.21</td>
</tr>
<tr>
<td>1070-1092</td>
<td>5</td>
<td>22</td>
<td>0.23</td>
</tr>
</tbody>
</table>

=================================================================================================
Theme of Strymon

Drama: 2 Constantine VII  
   1 Nicephorus II

Kavala: 1 Theophilus  
   3 Leo VI  
   2 Cl.A  
   2 Cl.F  
   1 Michael VII  
   1 Cl.I  
   1 Cl.K

Thasos: 1 Constantine VII  
   9 Cl.A  
   1 Cl.B  
   3 Cl.E  
   1 Cl.G  
   1 Cl.I

Philippi: 3 Theophilus  
   1 Basil I  
   1 Leo VI  
   2 Constantine VII  
   1 Nicephorus II  
   1 Cl.A  
   1 Cl.I

Synoptic table of loss-rates at the theme of Strymon.

<table>
<thead>
<tr>
<th>Periods</th>
<th>Coins</th>
<th>Years</th>
<th>Qty. of coins per annum</th>
</tr>
</thead>
<tbody>
<tr>
<td>829-886</td>
<td>5</td>
<td>57</td>
<td>0.08</td>
</tr>
<tr>
<td>886-969</td>
<td>11</td>
<td>83</td>
<td>0.13</td>
</tr>
<tr>
<td>969-1028</td>
<td>13</td>
<td>59</td>
<td>0.22</td>
</tr>
<tr>
<td>1028-1070</td>
<td>8</td>
<td>42</td>
<td>0.19</td>
</tr>
<tr>
<td>1070-1092</td>
<td>4</td>
<td>22</td>
<td>0.18</td>
</tr>
</tbody>
</table>
Theme of Macedonia.

Abdera: 1 Theophilus
  :1 Constantine VII
  :5 Cl.A
  :1 Cl.B
  :1 Cl.E
  :1 Constantine X
  :1 Michael VII

Maronia: 1 Leo VI
  :2 Constantine VII
  :7 Cl.A
  :1 Cl.C
  :1 Cl.D

Porto Lagos: 6 Constantine VII

Marianopolis: 1 Cl.C

Papikion: 1 Cl.B
  1 Cl.F
  1 Cl.H

Synoptic table of loss-rates at the theme of Macedonia.

<table>
<thead>
<tr>
<th>Periods</th>
<th>Coins</th>
<th>Years</th>
<th>Qty. of coins per annum</th>
</tr>
</thead>
<tbody>
<tr>
<td>829-886</td>
<td>2</td>
<td>57</td>
<td>0.03</td>
</tr>
<tr>
<td>886-969</td>
<td>11</td>
<td>83</td>
<td>0.13</td>
</tr>
<tr>
<td>969-1028</td>
<td>14</td>
<td>59</td>
<td>0.24</td>
</tr>
<tr>
<td>1028-1070</td>
<td>7</td>
<td>42</td>
<td>0.16</td>
</tr>
<tr>
<td>1070-1092</td>
<td>2</td>
<td>22</td>
<td>0.09</td>
</tr>
</tbody>
</table>
### Table I

**a: Leo III's gold coinage**

<table>
<thead>
<tr>
<th>Classes</th>
<th>Dates</th>
<th>Proposed dates.</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>717-20</td>
<td>717-20</td>
</tr>
<tr>
<td>IIa</td>
<td>720</td>
<td>720-5</td>
</tr>
<tr>
<td>IIb</td>
<td>720-5</td>
<td>725-30</td>
</tr>
<tr>
<td>IIc</td>
<td>725-32</td>
<td>730-3</td>
</tr>
<tr>
<td>IIIa</td>
<td>732-7</td>
<td>733-8: Face rounded 738-41: Face triangular. without officina</td>
</tr>
<tr>
<td>IIIb</td>
<td>737-41</td>
<td>After 18 June 741 with officina mainly on Leo's side.</td>
</tr>
</tbody>
</table>

**b: Constantine V's gold coinage**

<table>
<thead>
<tr>
<th>Classes</th>
<th>DDC Dates</th>
<th>Proposed dates</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>_____</td>
<td>741 or July 742-November 743</td>
</tr>
<tr>
<td>II</td>
<td>741-51</td>
<td>741-July 742 and November 743-751</td>
</tr>
<tr>
<td>III</td>
<td>a 751-57</td>
<td>751-75</td>
</tr>
<tr>
<td></td>
<td>b 757-75</td>
<td></td>
</tr>
</tbody>
</table>
**Chronology**

### a. Constantine VII's gold coinage.

<table>
<thead>
<tr>
<th>Classes</th>
<th>BDC</th>
<th>Bellinger</th>
<th>Morrisson</th>
<th>Misiou</th>
<th>Proposed dates</th>
</tr>
</thead>
<tbody>
<tr>
<td>la</td>
<td>780-90</td>
<td>790</td>
<td>780-90</td>
<td>787-90</td>
<td>792-7</td>
</tr>
<tr>
<td>lb</td>
<td>790-92</td>
<td>780-90</td>
<td>790-7 or 792</td>
<td>780-7</td>
<td>780-7</td>
</tr>
<tr>
<td>II</td>
<td>792-7</td>
<td>792-7</td>
<td>790</td>
<td>790</td>
<td>787-92</td>
</tr>
</tbody>
</table>

### b. Theophilos' gold coinage.

<table>
<thead>
<tr>
<th>Classes</th>
<th>I</th>
<th>II</th>
<th>III</th>
<th>IV</th>
<th>V</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dikigoropoulos</td>
<td>834/5-42</td>
<td>5 June 830</td>
<td>829-34/5</td>
<td>837 or 838</td>
<td>I Sept. 838</td>
</tr>
<tr>
<td>Morrisson</td>
<td>835-42</td>
<td>830?</td>
<td>829-35</td>
<td>838-40</td>
<td>842</td>
</tr>
<tr>
<td>Grierson</td>
<td>829-30/1</td>
<td>830 or 831</td>
<td>830/1-40</td>
<td>late 830s</td>
<td>840-42</td>
</tr>
<tr>
<td>Bellinger</td>
<td>829-31</td>
<td>832</td>
<td>833-37</td>
<td>838</td>
<td>839-42</td>
</tr>
<tr>
<td>Treadgold</td>
<td>829-33</td>
<td>834-35</td>
<td>835-40</td>
<td>833</td>
<td>840-42</td>
</tr>
<tr>
<td>Proposed dates</td>
<td>829</td>
<td>829/30</td>
<td>830-40</td>
<td>838</td>
<td>840-42</td>
</tr>
</tbody>
</table>
### a. Michael III's gold coinage

<table>
<thead>
<tr>
<th>Classes</th>
<th>Dates</th>
<th>Proposed dates</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>842-3 (?)</td>
<td>842-53 MIXALSO ECLA or MIXALSOE CLA</td>
</tr>
<tr>
<td>II</td>
<td>843 (?) - 56</td>
<td>853-6 MIXALSOE CLA</td>
</tr>
<tr>
<td>III</td>
<td>856-67</td>
<td>856-67</td>
</tr>
</tbody>
</table>

### b. Basil I's gold coinage

<table>
<thead>
<tr>
<th>Classes</th>
<th>Dates</th>
<th>Morrisson</th>
<th>Proposed dates</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>868 (?)</td>
<td>23 Sept.867-10 Febr.868</td>
<td>880</td>
</tr>
<tr>
<td>II</td>
<td>868-79</td>
<td>10 Feb/868-6 Jan.870</td>
<td>867/8-879</td>
</tr>
<tr>
<td>III</td>
<td>882 (?)</td>
<td>10 Feb/868-6 Jan.870</td>
<td>24 Sept.867-Nov.867/Febr.868</td>
</tr>
</tbody>
</table>

### c. Basil II's gold coinage

<table>
<thead>
<tr>
<th>Classes</th>
<th>Dates</th>
<th>Proposed dates</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>977</td>
<td>978-81</td>
</tr>
<tr>
<td>II</td>
<td>977-89</td>
<td>981-1000</td>
</tr>
<tr>
<td>III</td>
<td>989-1001</td>
<td>1000-14</td>
</tr>
<tr>
<td>IV</td>
<td>1001-5</td>
<td>1014-8</td>
</tr>
<tr>
<td>V</td>
<td>1005</td>
<td></td>
</tr>
<tr>
<td>VI</td>
<td>1005-25</td>
<td>1018-25</td>
</tr>
</tbody>
</table>

Unpublished Class: 977-8
Table IV

a. Constantine VII's gold coinage.

<table>
<thead>
<tr>
<th>DOC Classes</th>
<th>Bellinger</th>
<th>Gregory</th>
<th>Grierson</th>
<th>Morrison</th>
<th>Proposed dates</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>—</td>
<td>—</td>
<td>914</td>
<td>—</td>
<td>914-9</td>
</tr>
<tr>
<td>II</td>
<td>914-9</td>
<td>914-9</td>
<td>914-9</td>
<td>914-9</td>
<td>914-9</td>
</tr>
<tr>
<td>III</td>
<td>920-1</td>
<td>920-1</td>
<td>920-1</td>
<td>920-1</td>
<td>920-1</td>
</tr>
<tr>
<td>IV</td>
<td>921</td>
<td>921</td>
<td>921</td>
<td>931-44</td>
<td>921</td>
</tr>
<tr>
<td>V</td>
<td>927</td>
<td>922/24</td>
<td>921</td>
<td>922/24</td>
<td>924</td>
</tr>
<tr>
<td>VI</td>
<td>928</td>
<td>922/24</td>
<td>921</td>
<td>921-922/24</td>
<td>927</td>
</tr>
<tr>
<td>VII</td>
<td>921-31</td>
<td>921-31</td>
<td>921-31</td>
<td>922/24-31</td>
<td>921-31</td>
</tr>
<tr>
<td>VIII</td>
<td>924/27</td>
<td>921</td>
<td>930</td>
<td>921</td>
<td>921</td>
</tr>
<tr>
<td>IX</td>
<td>—</td>
<td>—</td>
<td>pattern</td>
<td>—</td>
<td></td>
</tr>
<tr>
<td>X</td>
<td>920</td>
<td>920</td>
<td>931-44</td>
<td>945</td>
<td>944</td>
</tr>
<tr>
<td>XI</td>
<td>—</td>
<td>—</td>
<td>pattern</td>
<td>—</td>
<td></td>
</tr>
<tr>
<td>XII XIII</td>
<td>945</td>
<td>945</td>
<td>945</td>
<td>945</td>
<td>945</td>
</tr>
<tr>
<td>XII XIV</td>
<td>920-1</td>
<td>945-9</td>
<td>945</td>
<td>945-9</td>
<td>945</td>
</tr>
<tr>
<td>XIX</td>
<td>945-9</td>
<td>945-9</td>
<td>945-9</td>
<td>945-9</td>
<td>945-9</td>
</tr>
<tr>
<td>DOC</td>
<td>Description</td>
<td>Quantity</td>
<td>Comments</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-----</td>
<td>-------------</td>
<td>----------</td>
<td>----------</td>
<td></td>
<td></td>
</tr>
<tr>
<td>I</td>
<td>Modified loros</td>
<td>1</td>
<td>Ia</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-</td>
<td>&quot;</td>
<td>1</td>
<td>Ib</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-</td>
<td>&quot;</td>
<td>3</td>
<td>Ic</td>
<td></td>
<td></td>
</tr>
<tr>
<td>IIa</td>
<td>Traditional loros</td>
<td>1</td>
<td>IIa</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-</td>
<td>&quot;</td>
<td>1</td>
<td>II(a.1)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-</td>
<td>&quot;</td>
<td>2</td>
<td>II(a.2)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-</td>
<td>&quot;</td>
<td>1</td>
<td>II(a.3)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>IIb</td>
<td>&quot;</td>
<td>1</td>
<td>II b</td>
<td></td>
<td></td>
</tr>
<tr>
<td>IIc</td>
<td>&quot;</td>
<td>3</td>
<td>II c</td>
<td></td>
<td></td>
</tr>
<tr>
<td>IId</td>
<td>&quot;</td>
<td>1</td>
<td>II d</td>
<td></td>
<td></td>
</tr>
<tr>
<td>IIe</td>
<td>&quot;</td>
<td>7</td>
<td>II e</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-</td>
<td>&quot;</td>
<td>1</td>
<td>II(e.1)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-</td>
<td>&quot;</td>
<td>1</td>
<td>II(e.2)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>IIg</td>
<td>&quot;</td>
<td>10</td>
<td>II g</td>
<td></td>
<td></td>
</tr>
<tr>
<td>IIi</td>
<td>&quot;</td>
<td>1</td>
<td>II i</td>
<td></td>
<td></td>
</tr>
<tr>
<td>IIj</td>
<td>&quot;</td>
<td>23</td>
<td>II j</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-</td>
<td>&quot;</td>
<td>1</td>
<td>II(u.1)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>IIIa</td>
<td>Modified loros</td>
<td>6</td>
<td>III a</td>
<td></td>
<td></td>
</tr>
<tr>
<td>IIId</td>
<td>&quot;</td>
<td>1</td>
<td>III d</td>
<td></td>
<td></td>
</tr>
<tr>
<td>IIIe</td>
<td>&quot;</td>
<td>3</td>
<td>III e</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-</td>
<td>&quot;</td>
<td>4</td>
<td>III(e.1)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-</td>
<td>&quot;</td>
<td>1</td>
<td>III(e.2)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>IIIh</td>
<td>&quot;</td>
<td>3</td>
<td>III h</td>
<td></td>
<td></td>
</tr>
<tr>
<td>IIIi</td>
<td>&quot;</td>
<td>2</td>
<td>III i</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
The copper coinage from 717 to 775.

<table>
<thead>
<tr>
<th>Grierson's:</th>
<th>Classes</th>
<th>Dates</th>
<th>Proposed attribution and dates.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Leo III</strong> (717–41)</td>
<td>Cl.1 = DOC Cl.1 : 717–20</td>
<td>The same</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Cl.2 = NC, 1974 : 718</td>
<td>The same</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Cl.3 = DOC Cl.2a: 720–1</td>
<td>The same</td>
<td></td>
</tr>
<tr>
<td></td>
<td>DOC Cl.2b: 721–5</td>
<td>&quot;</td>
<td></td>
</tr>
<tr>
<td></td>
<td>DOC Cl.2c: 725–32</td>
<td>&quot;</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Cl.4 = DOC Cl.3 : 732?</td>
<td>Artavas dus: 742/3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Cl.5a = DOC Cl.4a: 732–5</td>
<td>732–41</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Cl.5a: light issues &quot;</td>
<td>Constantine V's issue in Asia Minor: 742/3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Cl.5b = DOC Cl.4b: 735–41</td>
<td>Constantine V: 743–751</td>
<td></td>
</tr>
<tr>
<td><strong>Constantine V</strong> (741–75)</td>
<td>Cl.1 = DOC Cl.1: 741–?</td>
<td>June 741–July 742</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Cl.2 = DOC Cl.2 : ?–751</td>
<td>Artavas dus: 741</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Cl.3 = DOC Cl.3 : 751–69</td>
<td>751–63</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Cl.4 = DOC Cl.4 : 769–75</td>
<td>763–75</td>
<td></td>
</tr>
</tbody>
</table>

**SUMMARY**

<table>
<thead>
<tr>
<th></th>
<th>Grierson's scheme</th>
<th>Proposed scheme</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Leo III</strong></td>
<td>5 classes=</td>
<td>4 classes=</td>
</tr>
<tr>
<td></td>
<td>DOC Cl.1+NC 1974+DOC Cl.2+</td>
<td>DOC Cl.1+NC 1974+DOC Cl.2+</td>
</tr>
<tr>
<td></td>
<td>DDC Cl.3+DOC Cl.4.</td>
<td>DDC Cl.4a.</td>
</tr>
<tr>
<td><strong>Constantine V</strong></td>
<td>4 classes=</td>
<td>5 classes=</td>
</tr>
<tr>
<td></td>
<td>DDC Cl.1+DOC Cl.2+DDC Cl.3+</td>
<td>DOC Cl.1+Leo's DOC Cl.4a+</td>
</tr>
<tr>
<td></td>
<td>DDC Cl.4.</td>
<td>Leo's DOC Cl.4b+DOC Cl.3+ DDC Cl.4.</td>
</tr>
<tr>
<td><strong>Artavas dus</strong></td>
<td>No copper coins</td>
<td>2 classes=</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Leo's DOC Cl.3+ Constantine's DOC Cl.2</td>
</tr>
</tbody>
</table>
### Group A

#### Drapery:

<table>
<thead>
<tr>
<th>Group</th>
<th>A/1</th>
<th>A/2</th>
<th>A/3</th>
<th>A/4</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1" alt="Drapery A/1" /></td>
<td><img src="image2" alt="Drapery A/2" /></td>
<td><img src="image3" alt="Drapery A/3" /></td>
<td><img src="image4" alt="Drapery A/4" /></td>
<td></td>
</tr>
</tbody>
</table>

#### Tufa

**A/1**
- Fully opened fan: ••• (nos. 12, 13, 19)
- Scallop-shaped: ••• (nos. 8, 17, 18); ••• (no. 22)
-lop-sided: ••• (nos. 14, 15)

**A/2**
- lop-sided: ••• (no. 23)
- Fully opened fan: ••• (nos. 27, 29)
- Similar but smaller: ••• (nos. 25, 26, 28)
- Canopy shaped: ••• (no. 32)

**A/3**
- Opened fan: ••• (nos. 33, 42-44)
- Scallop-shaped: •• (no. 36)
- Half-moon: ••• (no. 45)

**A/4**
- Scallop-shaped: ••• (nos. 48, 49, 51)
Group B

Drapery:

<table>
<thead>
<tr>
<th>B/1</th>
<th>B/2</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1.png" alt="image" /></td>
<td><img src="image2.png" alt="image" /></td>
</tr>
</tbody>
</table>

Tufa:

B/1

<table>
<thead>
<tr>
<th>Lop-sided</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>:...::..:</td>
<td>:: (nos. 67, 68, 69)</td>
<td>:...::..: (no. 87)</td>
</tr>
</tbody>
</table>

B/2

<table>
<thead>
<tr>
<th>Half-moon</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>:: (nos. 97, 99, 107-111)</td>
<td>:: (nos. 98, 102-106)</td>
<td>:: (nos. 100-101)</td>
</tr>
</tbody>
</table>
ANONYMOUS FOLLIES

Percentages of groups among finds from Greece and Asia Minor.

### Table IX

<table>
<thead>
<tr>
<th>Groups</th>
<th>COR</th>
<th>PEL</th>
<th>ATH</th>
<th>HEL</th>
<th>THES</th>
<th>CON</th>
<th>THR</th>
<th>ANT</th>
<th>SETUR</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>23</td>
<td>16</td>
<td>10</td>
<td>13</td>
<td>25</td>
<td>27</td>
<td>0</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>II</td>
<td>6</td>
<td>13</td>
<td>4</td>
<td>16</td>
<td>11</td>
<td>7</td>
<td>24</td>
<td>14</td>
<td>10</td>
</tr>
<tr>
<td>III</td>
<td>54</td>
<td>53</td>
<td>61</td>
<td>50</td>
<td>20</td>
<td>47</td>
<td>52</td>
<td>41</td>
<td>18</td>
</tr>
<tr>
<td>IV</td>
<td>6</td>
<td>7</td>
<td>3</td>
<td>20</td>
<td>7</td>
<td>2</td>
<td>19</td>
<td>26</td>
<td></td>
</tr>
<tr>
<td>V</td>
<td>3</td>
<td>2</td>
<td>3</td>
<td>3</td>
<td>0</td>
<td>12</td>
<td>4</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>VI</td>
<td>3</td>
<td>7</td>
<td>4</td>
<td>3</td>
<td>14</td>
<td>13</td>
<td>9</td>
<td>15</td>
<td>32</td>
</tr>
<tr>
<td>VII</td>
<td>3</td>
<td>0</td>
<td>1</td>
<td>3</td>
<td>6</td>
<td>0</td>
<td>0</td>
<td>4</td>
<td>1</td>
</tr>
<tr>
<td>VIII</td>
<td>1</td>
<td>3</td>
<td>1</td>
<td>7</td>
<td>3</td>
<td>0</td>
<td>2</td>
<td>2</td>
<td>5</td>
</tr>
<tr>
<td>IX</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>0</td>
</tr>
</tbody>
</table>

Percentages of the main groups among finds from Serbia, North Dobrogea, Central and South Dobrogea

<table>
<thead>
<tr>
<th>Serbia</th>
<th>N.DOBRA</th>
<th>CEN. &amp; S. DOBR.</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>0</td>
<td>2</td>
</tr>
<tr>
<td>II</td>
<td>7</td>
<td>19</td>
</tr>
<tr>
<td>III</td>
<td>24</td>
<td>6</td>
</tr>
<tr>
<td>IV</td>
<td>60</td>
<td>47</td>
</tr>
<tr>
<td>V</td>
<td>0</td>
<td>6</td>
</tr>
<tr>
<td>VI</td>
<td>8</td>
<td>15</td>
</tr>
<tr>
<td>VII</td>
<td>0</td>
<td>2</td>
</tr>
<tr>
<td>VIII</td>
<td>0</td>
<td>2</td>
</tr>
<tr>
<td>IX</td>
<td>2</td>
<td>4</td>
</tr>
</tbody>
</table>
### Table H

<table>
<thead>
<tr>
<th></th>
<th>22</th>
<th>23</th>
<th>24</th>
<th>*28</th>
<th>30</th>
<th>*31</th>
<th>32</th>
<th>*33</th>
<th>*42</th>
<th>*45</th>
</tr>
</thead>
<tbody>
<tr>
<td>C.I.A</td>
<td>2</td>
<td></td>
<td></td>
<td>23</td>
<td>7</td>
<td>33</td>
<td>8</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>C.I.B</td>
<td>0</td>
<td></td>
<td></td>
<td>79</td>
<td>8</td>
<td>5</td>
<td>6</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>C.I.C</td>
<td>1</td>
<td></td>
<td></td>
<td>3</td>
<td>3</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>C.I.D</td>
<td>2</td>
<td></td>
<td></td>
<td>15</td>
<td>2</td>
<td>1</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>C.I.E</td>
<td></td>
<td></td>
<td></td>
<td>1</td>
<td>2</td>
<td></td>
<td>1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>C.I.F</td>
<td></td>
<td></td>
<td></td>
<td>?</td>
<td>3</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Constantine II</td>
<td>1</td>
<td>1</td>
<td></td>
<td>7</td>
<td>6</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>C.I.G</td>
<td>1</td>
<td></td>
<td></td>
<td>15</td>
<td>9</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Romanus IV</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1</td>
<td>2</td>
<td>2</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>C.I.H</td>
<td>5</td>
<td>1</td>
<td></td>
<td>6</td>
<td>1</td>
<td>1</td>
<td>2</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Michael VII</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1</td>
<td>2</td>
<td>2</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>C.I.I</td>
<td>1</td>
<td>4</td>
<td>2</td>
<td>2</td>
<td>1</td>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nicephorus III</td>
<td>1</td>
<td>124</td>
<td>2</td>
<td>11</td>
<td>5</td>
<td>2</td>
<td>2</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>C.I.J</td>
<td>1</td>
<td>3</td>
<td></td>
<td>5</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nic.Bruennius</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>C.I.K</td>
<td>22</td>
<td>14</td>
<td></td>
<td>2</td>
<td>1</td>
<td>4</td>
<td>1</td>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Alexius (1)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Alexius (2)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>+</td>
</tr>
<tr>
<td>Date of deposit</td>
<td>±1081</td>
<td>1092</td>
<td>end 1092-1118</td>
<td>1144</td>
<td>144</td>
<td>1144</td>
<td>1092</td>
<td>1118-1143</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Statistics of hoards from Greece deposited after 1028**

_Alexius (1): pro-reform_
_Alexius (2): post-reform_

* the hoard includes survivals before 969.
1) Primary Sources.


---


2) Secondary sources.

Abramishvili, T. "Klad iz Dviri", VestnikMuseGruz. 19, 1956, 107-21
--------. Sak'art'velos sachelme ifo museunis bizantiuri monetebi.
Tiflis, Metsniereba. 1966.
Ahrweiler -Glykatzi, H. "Nouvelle hypothèse sur le tétartéron d'or et
la politique monétaire de Nicéphore Phocas". Mélanges
G.Ostrogorsky.I (=Recueil des travaux de l' Institut d'
Angelov, D. , Tsvetkova, B. , Pusenov, M.V. , Berov, L. , Draganova, S.L.
Jordanov, I. , Istoriya na finansovata i kreditnata sistema na
Barnea, I. , "Alt tezaur de monede bizantine de la Dinogetia". SCN.
1928.
--------. " The emperor Theophilus and the Lagbe hoard".
Berytus, 8, 1944, 102-6.
70-81.
--------. "Byzantine Notes, 1. The gold coinage of Leo III and his
126-31.
--------. "Byzantine Notes, 4. Metcalf's arrangement of the copper of
--------. "Byzantine Notes, 6. The coins of Constantine
Bendall, S. , "An overstrike of Leo III and Constantine V", NCirc., 76.
1968, 370.
304.
--------. " Miliaraesia of the reign of Michael II A.D. 820-822",
NCirc., 90, 1983, 44.
--------. " An Eighth-century hoard of Byzantine miliaresia",
Bertele, T., "Lineamenti principali della numismatica bizantina". 


Brătianu, C.I., "Etudes byzantines d'histoire économique et sociale". 1938.

Breckenridge, J.D. "The numismatic iconography of Justinian II". 
ANSIN, 144, 1959, 1-104.


Bury, J.B., History of the Eastern Roman Empire, 1912.

Charanis, P., "The significance of coins as evidence for the history of Athens and Corinth in the 7th and 8th centuries. 


________, "Cu privire la chronologia și atribuirea monedelor anonime bizantine de bronz". SCM, 3, 1969, 197-221.


______, "Archaeology and the "twenty cities" of Byzantine Asia", AJA, 81 1977, 469-86.


Gautier, P., "La Diataxis de Michel Attaliate", REB, 39, 1981, 5-143.


Golenko, K. V., "Vizantiiskie monety XV. iz nakhodok v g. Stanislave (Khersonskaia oblast), Sd. 3, 1962, 290-1.


____. "The copper coinage of Leo III (717-41) and Constantine V (720-5), NC, 1965, 183-96.
____. "From solidus to hyperperon: the names of Byzantine gold coins, MCirc., 74, 1966, 123-4.
____. "Harold Hadrada and Byzantine coin types in Denmark", Byzantinische Forschungen, 1, 1966, 124-38.
____. "A new early follis type of Leo III (718), NC, 1974, 75-7.
____. "Nicephorus Bryennius or Nicephorus Basilacius?", MCirc., 84, 1976, 2-3.
____. Byzantine Coins, Berkley and Los Angeles, 1982.
____. "Light weight solidi, tetartera, and the Book of the Prefect", BE, 64, 1972, 57-80.
Iliescu O., "Doua monede emise de imparatul bizantin Alexandru", CercetNum, 2, 1979, 41-6.


Jordanov, I., "Vizantiiski falshvi zlatni moneti VI-XI vek., *Numismatika*, 13, 1979, 8-16.


----- "The dollar of the middle ages", *JEH*, 11, 1951, 209-34.


----- "When was Michael III born?", *DOP*, 21, 1967, 253-8.


-----, *Byzantium the Empire of New Rome*, 1980.


Mathews, J.T., "The source for the solidus issued by Constantine VII in 945", *ANStAg*, 24, 1979, 199-213.


_____ "The new bronze coinage of Theophilus and the growth of the Balkan themes". ANSUND, 10. 1962, 81-98.


_____ "How extensive was the issue of folles during the years 775-820? Byzantion, 37, 1967, 270-310.

_____ "The reformed folles of Theophilus: their styles and localization". ANSUND, 14. 1968, 121-53.


_____ "Byzantine coins minted in Central Greece under Basil II". Nomismatika Chronika, 3, 1974, 21-5.

_____ "Links between stylistic groups among the reformed folles of Theophilus". NCirc., 84, 1976, 6-7.


Miles, G., "Byzantine miliareia and Arab dirhem: some notes on their relationship". ANSUND, 9, 1960, 189-218.


____. "La concavité des monnaies byzantines", ESBN, 30. 1975, 786-8.

____. "La dévaluation de la monnaie byzantine au XIe siècle: essai d'interprétation" TZ, 6, 1976, 3-47.

____. "Du solidus à l' hyperpère: dévaluations et déclin de la monnaie byzantine au XIe siècle, CANE, 14, 1977, 65-76.


Ocheseanu R., C. Papuc, "Monede grecesti, romane si bizantine descoperite in Dobrogea (iii), Pontica, 1, 1974, 412.

---


---

"An unpublished and rare variety of a solidus of Michael III, and suggested sequence for his first issue", *Coin lists*, 1, 1969.

---


---


---


---


_____ "Nakhodki vizantiiskikh monet VI-XII vv. v Krymu". FV. 1969, 254-64.

_____ "Vizantiiskie moneti kladi Vella". Trudi Gosudarstvennogo Ermitaza. 4. 1961, 10-22.


Uzman, L.L., "The tetarteron of Nicephorus Phocas-Fact or Fiction, NCirc. 70, 1962, 4-5.


_____ "New light on the solidus of Leo IV". NCirc. 1961, 30-1.


Veglery, A., "The date of the narthex mosaic in St. Sophia at Istanbul". NCirc. 79, 1971, 100-2.


Weller, H. "X-N on the iconoclasts' copper coinage", *NCirc.*, 84, 1976, 144.


Yurukova, Y. "La circulation des monnaies byzantines en Bulgarie VIe-Xe s.", I. Niedysnarodowy Kongres Ascheologii Slowianskiej, Warsava 14-16 IX 1965, vol VI (Section V), 1968, 128-41

Class 4b

90
91
92
94
95

96
97
105
106
Theophillus' copper coinage

Class 1a

1
3
10
12
14

Class 1b

22
25
26
28
32

Class 2

43
44
45
48
Class 3

Group A
A 1

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
Group B:

B1

66
67
69
70
71
78
80
81
86
88
90
91
94
95
96
Group Γ (cont.)

126

127

132

133

Group Δ

Δα

135

137

138

139

140

148

155

158

159

160

162

163
Group S 1

S 1a

228

232

233

234

237

238

239

245

246

247

254

S 1b

257

258

S 1c

260

261

262

263
Group Z

Z 1a

Z 1b

Z 2

Group H

304 310 313 315 316
324 336 343 357 360
364 369 371 374 376