

Cyzicenes from the State Historical Museum, Moscow and the State Hermitage Collections, St. Petersburg

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CYZICENES FROM THE STATE HISTORICAL MUSEUM,
MOSCOW AND THE STATE HERMITAGE COLLECTIONS,
ST. PETERSBURG

PLATES 1-3

Edited by S. Mani Hurter and W. Fischer-Bossert

Editors' note

We are much indebted to the Russian authors for entrusting their article to us. There are two changes from the original version. One was to merge the collections of St. Petersburg and of Moscow and the second, more important, was to put the coins in the order used in the Catalogue of the Boston Museum and not according to the groups von Fritze had proposed in 1912.

INTRODUCTION

The term «Cyzicenes» is applied to the coins minted in electrum from the second quarter of the 6th century down to the last quarter of the 4th century BC at Cyzicus, a city located on a peninsula in the historical region of the Propontis.¹

The Cyzicenes occupied a special position among the electrum issued by the Greek cities in Asia Minor. For one they enjoyed an immense popularity throughout the 6th to the 4th centuries. Further, they played an important role as international

Abbreviations

BMFA	A. BALDWIN BRETT, Catalogue of Greek Coins at the Museum of Fine Arts, Boston (Boston 1955)
v. FRITZE	H. VON FRITZE, Die Elektronprägung von Kyzikos, Nomisma 7 (Berlin 1912)
HURTER/LIEWALD 2002	S. MANI HURTER / H.-J. LIEWALD, Neue Münztypen der Kyzikener Elektronprägung, SNR 81, 2002, pp. 21-50
HURTER/LIEWALD 2004	- , Neue Nominale der Kyzikener Elektronprägung, SNR 83, 2004, pp. 27-43
Myrmekion Hoard	A. BUTJAGIN <i>et al.</i> , The Myrmekion Hoard. New discoveries in Bosphoros of the Hermitage archaeological expedition (St. Petersburg 2004, mostly in Russian)
VDI	Vestnik Drevnej Istorii

¹ L. MILDENBERG, The Cyzicenes: a reappraisal, AJN 5/6, 1993/94, pp. 1-12.

currency for many ancient cities in the Black Sea area.² Their «white gold» was apparently considered a metal in its own right, so that the coins could circulate at a certain fixed exchange rate independent of the actual gold content in their alloy.³

Comprehensive analysis of the alloys of Cyzicene electrum allowed T.N. Smekalova and J.L. Djukov to confirm two points.⁴ Firstly, the high gold content of the electrum is typical of the initial period of their circulation ca. 570/560-500 BC only; secondly, it was only within this early period the coins were struck in natural, alluvial white gold.⁵

The fact that the early Cyzicene electrum coins were made of natural white gold means that this naturally mined white gold metal cannot be opposed to electrum as such. It was long assumed that white gold meant a natural mixture, acquired through a thermal treatment of particles of wind-blown gold-containing ores, while electrum in the strict sense of the word is an artificial gold/silver alloy, mostly with addition of a certain amount of copper.⁶ This copper part was long taken to be the proof of the artificial origin of electrum. Yet there are traces of copper in the early Cyzicenes which were definitely struck in alluvial white gold. T.N. Smekalova e.g. offers analysis samples of two very early coins of the same type struck in white gold with wildly different percentages of copper.⁷ The presence of a certain small amount of copper in the coins of the early period are not necessarily an indication of an artificial origin of the alloy. Research by T. Smekalova and J. Djukov shows that the early Cyzicene coins of the first half of the 6th century are made of natural white gold. It was only from perhaps the 3rd quarter of the 6th century on that clearly artificially produced alloys were used.⁸

These data were confirmed by the analyses of S.A. Bulatovich on the 71 staters of the Orlovka hoard which all date to the 5th and 4th centuries BC.⁹

² J.G. VINOGRADOV / P.O. KARYSHKOVSKY, *The Olbian Monetary Decree (Inscriptiones Antiquae Orae Septentrionalis Ponti Graecae et Latinae 1224)*, VDI 1976 (4), pp. 36-37 (in Russian); P. MARCHETTI, *Le cours du Cyzicène au IV^e siècle*, RBN 122, 1976, pp. 35-38; E. SCHÖNERT-GEISS, *Klio* 53, 1971, pp. 105-117.

³ See e.g. the review of G. LE RIDER, *La naissance de la monnaie*, by J.H. KRÖLL, SNR 80, 2001, pp. 199-206.

⁴ T.N. SMEKALOVA / Y.L. DJUKOV, *The Composition of the Alloy of Cyzicene Electrum Coins*, RBN 145, 1999, pp. 21-22, pl. IV-V.

⁵ Y.L. DJUKOV / T.N. SMEKALOVA, *Composition of the Cyzicene Electrum. Problemy istorii, filologii, kultury*, Moscow-Magnitogorsk, issue VIII, 1999, p. 273 (in Russian).

⁶ *Ibid.*, p. 277; p. 281, note 9.

⁷ SHM 1179 with 2,1 % copper, SHM 1180 with no less than 8.8 %.

⁸ Roughly VON FRITZE's Group II.

⁹ S.A. BULATOVITCH, *A Hoard of Cyzicenes from Orlovka*, VDI 1970/2, p. 73-86; the dates are those of von Fritze.

1. No First Period coins (600-500 BC) were present in the Orlovka hoard, so none could be analysed.
2. The Second Period coins (500-460 BC) showed a gold content of 52.45 %.
3. The Third Period coins (460-400 BC) have a gold content of 51.40 %.
4. The Fourth Period coins (400-330 BC) have a gold content of 51.20 %.

We can thus see from the data acquired by S. Bulatovich for coins of almost two centuries (550-330 BC) that the average gold percentage in the alloy did not decrease by more than 1.2 %. She points out chaotic shifts in the alloy within the groups which, however, did not influence the average nor the coin's value or the time of striking.¹⁰ This peculiarity had also been observed by E. Schulz in his research on Cyzicene metal.¹¹ As early as 1908, such data of variations in the metal contents not related to the coins' nominal value and/or time of manufacture were offered by J. Hammer.¹² Similar conclusions were reached by P. Marchetti for the Cyzicenes issued in the 4th century BC,¹³ and a similar observation was made by J.F. Healy, who supported Marchetti's theory that the high value of Cyzicene coins did not depend on the actual percentage of gold in their alloy.¹⁴

It is thus safe to assume that Cyzicene electrum always held a high nominal value; it was widely used as a reliable means of payment and was an internationally accepted currency in the 5th and especially the 4th century BC in an area that reached from the Black Sea to southern Greece and from Bulgaria to the Near East.

¹⁰ *Ibid.*, p. 84 n. 40.

¹¹ E.F. SCHULZ, Kyzikinos ajecho razby, Numismati ki Listy 6, 1950/1, p. 120.

¹² J. HAMMER, Der Feingehalt der griechischen und römischen Münzen, ZfN 26, 1908, pp. 26-33.

¹³ P. MARCHETTI, Le cours du Cyzicène au IV^e siècle, RBN 122, 1976, pp. 35-38.

¹⁴ J.F. HEALY, Greek White Gold and Electrum Coin Series, RNS Special Publication 13, 1980, pp. 195-196.

*CYZICENE ELECTRUM COINS IN THE COLLECTIONS OF THE STATE
HISTORICAL MUSEUM, MOSCOW,
AND THE STATE HERMITAGE MUSEUM, ST. PETERSBURG¹⁵*

GIM State Historical Museum, Moscow. For a detailed description see N.A. FROLOVA, Bulletin of Ancient History 2004
SHM State Hermitage Museum Collections, St. Petersburg. For a detailed description see SMEKALOVA / DJUKOV, RBN 145, 1999

<i>BMFA</i>	<i>Inv.</i>	<i>Description</i>	<i>Denom</i>	<i>Weight</i>	<i>von Fritze</i>	<i>Au</i>	<i>Ag</i>	<i>Cu</i>	<i>Illustrated</i>
1389	SHM 1179 ¹⁶	Tunny head r. with thorn	1/12	1.32	9	59.6	37.9	2.1	<i>Pl. I, 1</i>
1389	SHM 1180 ¹⁷	Tunny head r. with thorn	1/12	1.37	9	62	27.1	8.8	<i>Pl. I, 2</i>
1405	GIM 44	Winged tunny l.	1/6	2.65	33				<i>Pl. I, 3</i>
1405	SHM 1181	Winged tunny l.	1/12	1.39	33	62.8	32.6	3.9	<i>Pl. I, 4</i>
1406	SHM 1182	Head of bear r. with tunny in mouth	1/12	1.31	34	56	36.5	5.9	<i>Pl. I, 5</i>
<i>rev.</i> cf. 1407	SHM 1188	Chimaira seated l.	1/12	1.25	55	59.6	34.5	5.1	<i>Pl. I, 6</i>
1408	GIM 21	Crab holding tunny in claws	1/12	1.31	36				<i>Pl. I, 7</i>
1414	GIM 38	Head of lioness l.	stater	15.18	39				<i>Pl. I, 8</i>
1416	SHM 1183	Forepart of lion l. gnawing prey	1/12	1.31	41	54.7	39.8	4.8	<i>Pl. I, 9</i>
1419	SHM 1185 ¹⁸	Ram kneeling l., head turned back	stater	16.01	47	56.3	40	2.8	<i>Pl. I, 10</i>
1419	GIM 41	Ram kneeling l., head turned back	1/6	2.66	47				<i>Pl. I, 11</i>
1421	SHM 1186 ¹⁹	Head of goat l.	stater	16.01	49	54.9	43	1.6	<i>Pl. I, 12</i>
cf. 1421	SHM 1187	Head of ibex l. ²⁰	1/12	1.30	cf. 49	57.7	37.4	4.3	<i>Pl. I, 13</i>
1424	SHM 1193	Head of satyr facing	1/12	1.35	77	58.8	35.0	4.8	<i>Pl. I, 14</i>
1431	SHM 1191	Young male head l.	1/6	2.67	62	55.1	41.2	3.2	<i>Pl. I, 15</i>
1431	GIM 43	Young male head l.	1/6	2.62	62				<i>Pl. I, 16</i>
1432	SHM 1192 ²¹	Helmeted head of Athena (?) l.	stater	16.02	63	53.3	43.5	2.8	<i>Pl. I, 17</i>
1433	SHM 1205 ²²	Winged dog l., head turned back	1/6	2.63	104	65.2	32.0	2.1	<i>Pl. I, 18</i>
1435	SHM 1204	Forepart of winged doe l.	1/6	2.69	102	52.4	43.2	4.1	<i>Pl. I, 19</i>
1443	SHM 1195	Lion advancing l.	1/6	2.68	83	55.0	42.3	3.2	<i>Pl. I, 20</i>
1443	GIM 40	Lion advancing l.	1/6	2.58	83				<i>Pl. I, 21</i>
1443	SHM 1196	Lion advancing l.	1/12	1.31	83	54.1	42.3	3.1	<i>Pl. I, 22</i>
v.Fr. 97	SHM 1202	Chimaira advancing l. ²³	1/12	1.35	97	59	37.9	2.7	<i>Pl. I, 23</i>

¹⁵ The coins are arranged according to BMFA; this differs somewhat from von Fritze's 4 groups but it is chronologically more satisfactory; cf. ACGC pp. 263-267. - For the x-ray fluorescence spectroscopy analyses see SMEKALOVA/DJUKOV (above, n. 4), p. 22 and DJUKOV/SMEKALOVA (above, n. 5).

Footnotes see p. 10.

CYZICENES FROM THE STATE HISTORICAL MUSEUM, MOSCOW
AND THE STATE HERMITAGE COLLECTIONS, ST. PETERSBURG

<i>BMFA</i>	<i>Inv.</i>	<i>Description</i>	<i>Denom</i>	<i>Weight</i>	<i>von Fritze</i>	<i>Au</i>	<i>Ag</i>	<i>Cu</i>	<i>Illustrated</i>
1448	GIM 45	Upper part of Sphinx l., holding tunny	1/12	1.33	75				<i>Pl. 1, 24</i>
1452	SHM 1198 ²⁴	Lion seated l.	1/6	2.70	85	51.2	43.2	4.9	<i>Pl. 2, 25</i>
1453	SHM 1190 ²⁵	Griffin seated l.	stater	15.79	58	53.2	42.2	4.3	<i>Pl. 2, 26</i>
1455	SHM 1203 ²⁶	Griffin standing l.	stater	16.03	99	56.9	38.7	4.1	<i>Pl. 2, 27</i>
1460	SHM 1189	Forepart of griffin l.	1/12	1.32	56	56.5	39.4	3.8	<i>Pl. 2, 28</i>
1461	GIM 46	Satyr kneeling l. holding tunny	1/12	1.33	122				<i>Pl. 2, 29</i>
1462	SHM 1208 ²⁷	Hercules kneeling r. with club	stater	16.09	107	57.0	40.0	1.9	<i>Pl. 2, 30</i>
1465	SHM 1199	Boar walking l.	stater	15.99	90	52.7	43.5	3.0	<i>Pl. 2, 31</i>
1465	GIM 42	Boar walking l.	1/6	1.95	90	<i>plated / fourré!</i>			<i>Pl. 2, 32</i>
cf. 1465	SHM 1184	Sow (?) walking l.	1/6	2.67	45 (?)	57.5	38.7	3.1	<i>Pl. 2, 33</i>
1469	SHM 1200 ²⁸	Dog standing l.	stater	16.27	93	57.3	39.4	3.1	<i>Pl. 2, 34</i>
1469	SHM 1201 ²⁹	Dog standing l.	1/6	2.66	93	54.7	40.7	3.6	<i>Pl. 2, 35</i>
1473	SHM 1194 ³⁰	Lion scalp facing	stater	15.87	82	55.8	40.2	2.8	<i>Pl. 2, 36</i>
1475	SHM 1197 ³¹	Lion standing l.	stater	15.89	84	56.9	39.7	3.1	<i>Pl. 2, 37</i>
1476	SHM 1206 ³²	Young male head l. on round disk	1/6	2.62	105	56.3	40.7	2.8	<i>Pl. 2, 38</i>
1484	SHM 1210 ³³	Helmeted nude warrior kneeling l.	stater	15.91	116	57.8	39.1	2.3	<i>Pl. 2, 39</i>
1484	SHM 1211	Helmeted nude warrior kneeling l.	stater	15.99	116	59.9	38.0	1.8	<i>Pl. 2, 40</i>
1486	SHM 1209 ³⁴	Boy riding l. on dolphin	stater	16.02	110	52.6	44.7	2.1	<i>Pl. 2, 41</i>
1489	GIM 47	Youth kneeling l., holding tunny	1/24	0.64	113				<i>Pl. 2, 42</i>
1490	GIM 37	Warrior kneeling r.	stater	16.05	117				<i>Pl. 2, 43</i>
1497	SHM 1212 ³⁵	Hoplite runner with arms r.	1/6	2.69	119	62.3	34.0	3.2	<i>Pl. 2, 44</i>
1499	SHM 1222	Cecrops l.	stater	16.00	158	50.7	43.4	3.1	<i>Pl. 2, 45</i>
1501	GIM 39	Thetis riding l. on dolphin	stater	16.02	159				<i>Pl. 3, 46</i>
cf. 1508	SHM 1207	Female head l. wearing sphenone	1/6	2.68	106	58.4	39.0	2.3	<i>Pl. 3, 47</i>
1519	SHM 1219 ³⁶	Apollon kneeling r., holding bow	stater	15.99	149	53.9	42.8	2.9	<i>Pl. 3, 48</i>
BMFA - v.Fr. 166	SHM 1223 ³⁷	Persian archer kneeling r., checking arrow	stater	15.97	166	51.1	45.5	3.2	<i>Pl. 3, 49</i>
1520	SHM 1214	Head of Zeus Ammon r.	stater	15.93	130	52.3	43.8	3.6	<i>Pl. 3, 50</i>
1523	SHM 1216	Head of Attys r.	1/6	2.60	142	53.2	42.2	4.3	<i>Pl. 3, 51</i>
1523	SHM 1217	Head of Attys r.	1/6	2.56	142	57.0	37.7	5.0	<i>Pl. 3, 52</i>
1530	SHM 1218	Zeus kneeling r. with eagle	1/24	0.64	145	55.1	39.3	5.0	<i>Pl. 3, 53</i>
cf. v.Fr. 125	SHM 1213	Man-headed bull l., head facing ³⁸	stater	16.03	cf.125	55.7	40.8	2.5	<i>Pl. 3, 54</i>
1541	SHM 1221 ³⁹	Dionysos reclining l.	stater	15.99	155	52.1	46.1	1.7	<i>Pl. 3, 55</i>
1543	SHM 1220 ⁴⁰	Apollon riding l. on swan	stater	15.95	150	43.8	50.5	4.8	<i>Pl. 3, 56</i>
cf. 1544	SHM 1230 ⁴¹	Eleutheria seated l. on base inscribed EAEY/ΘEPI	stater	16.03	215	55.0	41.2	3.1	<i>Pl. 3, 57</i>
cf. 1544	SHM 1231 ⁴²	Demeter kneeling r. holding two torches	stater	15.91	215	50.2	46.5	2.9	<i>Pl. 3, 58</i>
1557	SHM 1229 ⁴³	Young groom walking horse r.	stater	15.99	213	51.7	44.0	3.9	<i>Pl. 3, 59</i>
1560	SHM 1224 ⁴⁴	Head of Ammon l.	stater	15.98	184	54.6	39.8	5.2	<i>Pl. 3, 60</i>

Footnotes see p. 10.

BMFA	Inv.	Description	Denom	Weight	von Fritze	Au	Ag	Cu	Illustrated
1561	SHM 1226 ⁴⁵	Portrait head of bearded man r.	stater	15.97	197	52.8	32.8	3.7	Pl. 3, 61
cf. 1561	SHM 1228	Portrait head of bearded man l.	stater	16.01	199	56.4	40.0	3.0	Pl. 3, 62
BMFA - v.Fr. 198	SHM 1227	Portrait head of Scyth (?) l. ⁴⁶	stater	15.87	198	58.2	37.7	3.8	Pl. 3, 63
cf. 1563	SHM 1215	Helmeted head of Athena l. ⁴⁷	stater	16.02	134	53.7	42.8	3.3	Pl. 3, 64
1564	SHM 1225	Bearded head of Silenos l.	stater	15.90	191	53.6	41.0	5.1	Pl. 3, 65
1569	SHM1232 ⁴⁸	Eagle l., set on round disk	stater	15.96	223	55.5	40.3	3.7	Pl. 3, 66

- ¹⁶ Published in: Myrmekion Hoard 102 (the photos of 102 and 103 are switched, see SMEKALOVA / DJUKOV, *supra*, n. 4, pl. 4, 1 and 2).
- ¹⁷ Myrmekion Hoard 103.
- ¹⁸ Myrmekion Hoard 104.
- ¹⁹ Myrmekion Hoard 105 (*obv.* turned the wrong way).
- ²⁰ HURTER / LIEWALD 2004, p. 36, Nachträge 3.
- ²¹ Schlessinger 13, 1935, 1147; published in: Myrmekion Hoard 108. The head is in fact not Athena but a youthful warrior; see S. MANI HURTER, SM 57/2007, fasc. 227, pp. 67-68.
- ²² Schlessinger 13, 1935, 1159.
- ²³ cf. HURTER / LIEWALD 2004, p. 33, 97; published in: Myrmekion Hoard 123.
- ²⁴ Myrmekion Hoard 111.
- ²⁵ Myrmekion Hoard 107.
- ²⁶ Schlessinger 13, 1935, 1158.
- ²⁷ Myrmekion Hoard 125.
- ²⁸ Schlessinger 13, 1935, 1157; published in: Myrmekion Hoard 112.
- ²⁹ Myrmekion Hoard 122.
- ³⁰ ex Taman' / Pulentzov Hoard (IGCH 1013); Schlessinger 13, 1935, 1152; published in: Myrmekion Hoard 109.
- ³¹ Myrmekion Hoard 110.
- ³² Myrmekion Hoard 124.
- ³³ Schlessinger 13, 1935, 1164; published in: Myrmekion Hoard 126.
- ³⁴ Schlessinger 13, 1935, 1161.
- ³⁵ Myrmekion Hoard 127.
- ³⁶ Myrmekion Hoard 130.
- ³⁷ Myrmekion Hoard 114.
- ³⁸ Later than v. Fr. 125, 1st half of 4th cent. (?); Schlessinger 13, 1935, 1166; Myrmekion Hoard 128.
- ³⁹ ex Taman' / Pulentzov Hoard (IGCH 1013); Myrmekion Hoard 113.
- ⁴⁰ ex Kertsch-Hort (IGCH 1011); published in: Myrmekion Hoard 131.
- ⁴¹ ex Kertsch-Hort (IGCH 1011).
- ⁴² ex Kertsch-Hort (IGCH 1011); published in: Myrmekion Hoard 119.
- ⁴³ Myrmekion Hoard 118.
- ⁴⁴ Schlessinger 13, 1935, 1173; published in: Myrmekion Hoard 115.
- ⁴⁵ Myrmekion Hoard 116.
- ⁴⁶ Orlovka Hort 64 = HURTER / LIEWALD 2002, p. 30, 25; published in: Myrmekion Hoard 117.
- ⁴⁷ BMFA 1563 has head of Athena right. Published in: Myrmekion Hoard 129.
- ⁴⁸ Published in: Myrmekion Hoard 120.

FINDS OF CYZICENES FROM THE NORTHERN BLACK SEA REGION

D. Shelov published an article dedicated to the discoveries of Cyzicene coins in the historical area of the Bosphorus,⁴⁹ but unfortunately he did not list the various finds separately. For the little information there is we therefore depend on A. Ashik's notes from 1848.⁵⁰

The Kertch Hoard (IGCH 1011)

This hoard found in 1834 near Kertch was never fully recorded. It was first mentioned by Y. Liutzenko who wrote about «up to 200 double Cyzicene staters»;⁵¹ however, according to IGCH, he was apparently confusing it with another hoard of unknown provenance and content. It was first mentioned by A. Ashik, but no description of the coins themselves was given. Four Cyzicene staters of this hoard entered the State Hermitage collection, but the fourth, mentioned in the catalogue by Prince Sibirsky (Fig. 1, 3) is missing today from the Hermitage.

1. *Obv.* Apollo, wearing wreath and nude to waist, holding laurel branch, sitting left on a swan. VON FRITZE, 150, pl. IV, 37; BMFA 1543. Inv. 1220; here *Pl. 3, 56*.
2. *Obv.* Demeter, kneeling right, holding two torches. VON FRITZE 216, pl. VI, 28; BMFA - Inv. 1231; here *Pl. 3, 58*.
3. *Obv.* Goddess Eleutheria seated right on base which is inscribed ΕΛΕΥ/ΘΕΠΙ. VON FRITZE 215, pl. VI, 27; BMFA - Inv. 1230; here *Pl. 3, 57*.
4. *Obv.* Poseidon sitting right on seahorse. VON FRITZE 147, pl. IV, 34; *p. 13, Fig. 1*.

The Taman' / Pulentzov Hoard (IGCH 1013)

Found at Taman' in 1845. This hoard, which again was unfortunately never fully recorded, contained at least four Cyzicene staters, three of which entered the State Hermitage collection.⁵² It was also first mentioned by A. Ashik, though no descriptions of the coins were given.⁵³

1. *Obv.* Lion's scalp facing. VON FRITZE 82, pl. III, 1; BMFA 1473. Inv. 1194; here *Pl. 2, 36*.
2. *Obv.* Dionysos, wearing wreath and naked to the waist, reclining to left with cantharus in right hand; below, thyrsus. VON FRITZE 155, pl. V, 3; BMFA 1541. Inv. 1221; here *Pl. 3, 55*.

⁴⁹ D.B. SHELOV, *Cyzicene Staters in Bosphorus*, VDI 1949/2, pp. 93-98 (in Russian).

⁵⁰ A. ASHIK, *Bosporan Kingdom (Odessa 1848/49, in Russian)*, Part II, pp. 17-18; Part III, pl. 11-14; however, without any descriptions of the coins.

⁵¹ Y. LIUTZENKO, *Antiquities of the Bosphorus Cimmericus (St. Petersburg 1854, in Russian)*, Vol. II, p. 154. For the various additional literature on this and the following hoard see IGCH p. 134.

⁵² ASHIK (*supra*, n. 50) Part III, pp. 93-94.

⁵³ ASHIK (*supra*, n. 50) Part II, pp. 17-18; Part III, Pl. 11-14. The four Cyzicenes were identified by K. Regling and A.N. Zograph.

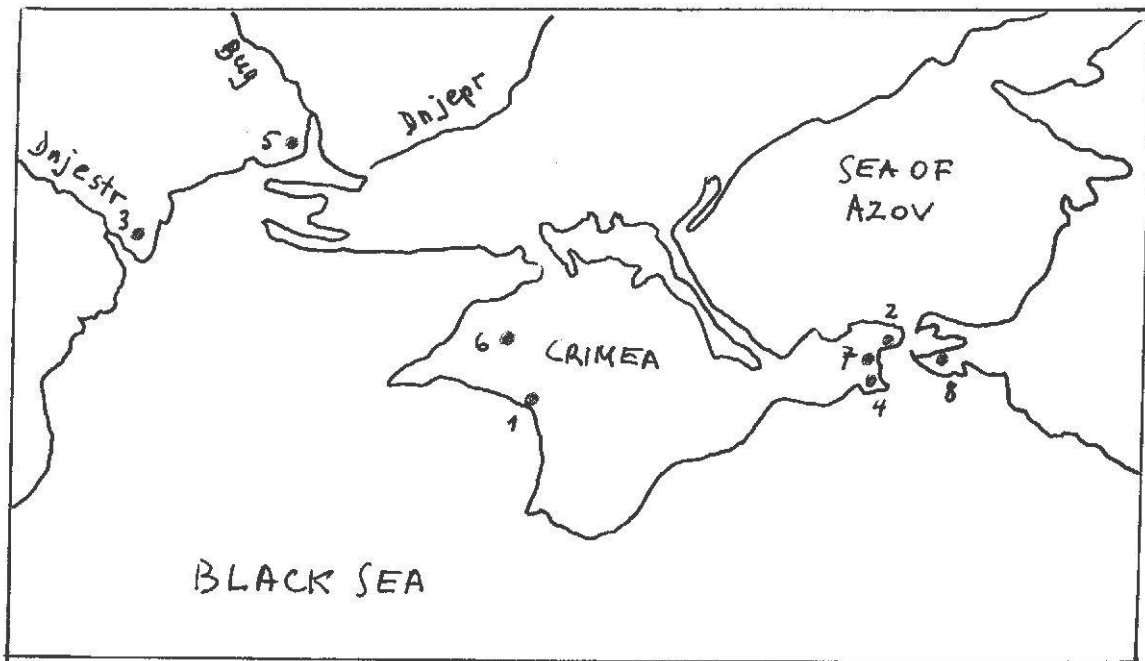
3. *Obv.* Lion, right, holding sword in his front paws and bending it. VON FRITZE 177, pl. V, 25; BMFA 1502; here *p. 13, Fig. 2.*

Today this third coin is missing from the State Hermitage collection.

In the article on the Pulentzov hoard, E. Diamant reports that in the middle of the 19th century the collection of Prince A. Sibirsky contained another stater from the Pulentzov hoard.⁵⁴

4. *Obv.* Head of a goat with dotted neck truncation left. VON FRITZE 48, pl. I, 49; BMFA 1421.

However, the line drawing of the coin in the publication of the Sibirsky collection differs from the specimen in the Hermitage, but it is not clear whether it is another specimen or just a bad drawing.



Map of find spots mentioned in this article

- | | |
|--------------|----------------|
| 1 Kerkinitis | 5 Olbia |
| 2 Myrmekion | 6 Orlovka |
| 3 Niconium | 7 Pantikapaion |
| 4 Nymphaion | 8 Taman' |

⁵⁴ E.I. DIAMANT, *New Information on the Pulentzov Hoard of Golden Coins*, NiSf. (Kiev 1971, in Russian), p. 83 on SIBIRSKY (*supra*, n. 29) fig. I, 2; I.V. TUNKINA, *Unknown Archive Data on the Pulentzov Hoard, Bosporskiy Phenomen* (St. Petersburg 2002, in Russian), pp. 266-271.

Individual Finds in the Northern Black Sea Region

A stater found in 1969 on the Taman peninsula, near ancient Phanagoria

Obv. Gaea emerging from the earth, carrying the infant Erechthonios, the mythical king of Athens. VON FRITZE 157, pl. V, 5. BMFA 1500. 2nd half of 5th century.⁵⁵

A stater found in 1948 in the excavations of Panticapaeum⁵⁶

Obv. Head of boar left. Unpublished, but see LIEWALD / HURTER 2002, p. 34, 45a. Pushkin Museum, Moscow, fig. I, 1. 3rd quarter of 6th century; here *Fig. 3*.

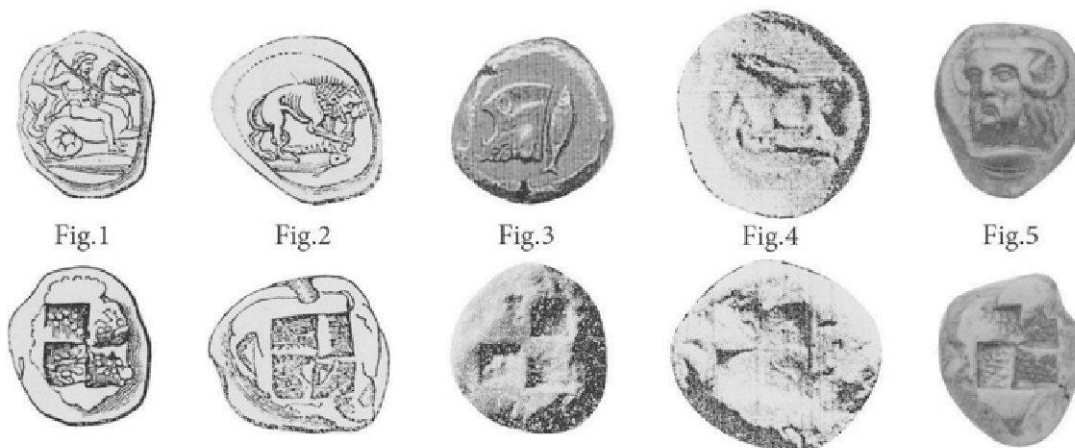
A stater found in the area of ancient Kerkinitis (modern Eupatoria, Crimean Peninsula)

Obv. He-goat with bent legs left. VON FRITZE 92, pl. III, 11; BMFA 1464- 1st half of 5th century. Whereabouts unknown; here *Fig. 4* (slightly enlarged).

A stater found in 1998 in the excavations at Nymphaeum⁵⁷

Obv. Head of Ammon three-quarter facing left. VON FRITZE 183, pl. V, 31 = BMFA 1559; published in 'Myrmekion Hoard' 100, probably the fourth specimen of this impressive obverse type. See *Fig. 5*.

Y. Liutzenko wrote of another hoard the contents of which remained unknown.⁵⁸ This could be the one mentioned in IGCH note to 1011.



⁵⁵ K.V. GOLENKO, A Stater of Cyzicus found on the Taman Peninsula, *Istorija i kultura antichnogo mira* (Moscow 1977, in Russian), pp. 37-40.

⁵⁶ See SHELOV (*supra*, n. 49), 24.

⁵⁷ A.E. TERESCHENKO, Electrum Cyzicene from Nymphaeum, in: *Bosporskiy gorod Nimfej* (St. Peterburg 1999, in Russian), pp. 71-72.

⁵⁸ LIUTZENKO (*supra*, n. 51), Vol. II, p. 154; see *ibid.* pp. 235-236 (Hertz).

*FINDS OF CYZICENE COINS FROM OLBIA*⁵⁹

References

VON FRITZE	see p. 5
KARYSHKOVSKIY 1960	P.O. KARYSHKOVSKIY, On the Circulation of Cyzicenes in Olbia (in Russian), Num. i Epigr. 2, 1960, p. 3-12
KARYSHKOVSKIY 2003	- , Coins (Odessa 2003), p. 302
OAK	Otchet Arkheologichseskoï Komissii, St. Petersburg

- 1 Hekte. *Obv.* Tunny fish right; below, head of tunny r. VON FRITZE 13, pl. I, 13. Published with the coins of Olbia in: Choix de médailles antiques d'Olbiopolis ou Olbia faisant partie du cabinet de Blaramberg à Odessa (Paris 1822), p. 37, № b, pl. II b.; KARYSHKOVSKIY 1960, pp. 3-12, 1; *id.* 2003, p. 302, 1.
- 2 Hekte. *Obv.* Winged tunny left. VON FRITZE 33, pl. I, 34. Published with the coins of Olbia: P.O. BURACHKOV, Obschiy katalog monet, part 1 (Odessa 1884), p. 42, 24, pl. III, 19; KARYSHKOVSKIY 1960, p. 8, 2; *id.* 2003, p. 302, 2.
- 3 Hekte, found at Olbia in the late 1940s. *Obv.* ?? KARYSHKOVSKIY 1960, pp. 3-12, 4; *id.* 2003, p. 302, 3.
- 4 Hekte (or Hemihekte ?). *Obv.* Head of lioness left. VON FRITZE, 39 (?). Found at Olbia in the 19th cent., see 'Verzeichniss altgriechischer und römischer Münzen aus dem Nachlasse P. Becker' (Berlin 1881), p. 31, 487; KARYSHKOVSKIY 1960, pp. 3-12, 5; *id.* 2003, p. 302, 4.
- 5 Stater. *Obv.* Head of goat left. VON FRITZE 48, pl. I, 49. Found at Olbia in 1966 as part of a hoard of Cyzicenes, together with Nos. 10, 11 and 13-17. Published for the first time: KARYSHKOVSKIY 2003, p. 302, 5.
- 6 Hekte (or Hemihekte). *Obv.* Head of goat left. VON FRITZE 48, pl. I, 49. Found at Olbia in the 19th cent., see: Verzeichniss altgriechischer und römischer Münzen aus dem Nachlasse P. Becker (Berlin 1881), S. 31, 488; KARYSHKOVSKIY 1960, pp. 3-12, 6; *id.* 2003, p. 302, 6.
- 7 Hekte. *Obv.* Head of goat left. VON FRITZE 48, pl. I, 49. Purchased in the village of Parutino in 1924. G.T. SCHTEINWAND, Kizikskiy gekht Odesskogo muzeyu, Visnik OKK, issue 4/5, Section of Archaeology, 1930, p. 7; KARYSHKOVSKIY 1960, pp. 3-12, 7; *id.* 2003, p. 302, 7.

⁵⁹ Unfortunately no illustrations of these coins seem to exist except for the hekte no. 19.

- 8 Hemihekte. *Obv.* Dolphin left. VON FRITZE, № 53, pl. II, 3. Random discovery at Olbia in 1965 on the slope of the «Severnaya balka» gorge. Published for the first time in KARYSHKOVSKIY 2003, p. 302, 8.
- 9 Hemihekte. *Obv.* Head of youth left. VON FRITZE 62, pl. II, 14-15. Found at Olbia in the beginning of the 19th cent., see: 'Choix de médailles antiques d'Olbiopolis ou Olbia faisant partie du cabinet de Blaramberg à Odessa' (Paris 1822), p. 37, c, pl. II, c.; KARYSHKOVSKIY 1960, pp. 3-12, 8 & 9 (by mistake accounted for two separate discoveries); *id.* 2003, p. 302, 9.
- 10 Stater. *Obv.* Head of Athena left. VON FRITZE 64 (?), pl. II, 17 (?). Found at Olbia in 1966 together with Nos. 5, 11 and 13-17. Published for the first time in: KARYSHKOVSKIY 2003, p. 302, 10.
- 11 Stater. *Obv.* Lion left. VON FRITZE 83, pl. III, 2. Found together with Nos. 5, 10 and 13-17. Published for the first time in: KARYSHKOVSKIY 2003, p. 302, 11.
- 12 Hekte. *Obv.* Dog left. VON FRITZE 93, pl. III, 12. Purchased in the village of Parutino in 1907. A.N. ZOGRAP, Ancient Coins (in Russian), MIA 16, 1951, p. 126, note 3 (for the type see SCHTEINWAND above [№ 7], p. 17); KARYSHKOVSKIY 1960, pp. 3-12, 10; *id.* 2003, p. 302, 12.
- 13 Stater. *Obv.* Eagle left with spread wings. VON FRITZE 94, pl. III, 13. Found together with Nos. 5, 10, 11 and 14-17. Published for the first time in: KARYSHKOVSKIY 2003, p. 302, 13.
- 14 Stater. *Obv.* Griffin seated left. VON FRITZE, 101, pl. III, 20. Found together with Nos. 5, 10, 11, 13 and 15-17. Published for the first time in: KARYSHKOVSKIY 2003, p. 302, 14.
- 15 Stater. *Obv.* Europa riding left on bull. VON FRITZE 108, pl. III, 27. Found together with Nos. 5, 10, 11, 13, 14 and 16-17. Published for the first time in: KARYSHKOVSKIY 2003, p. 302, 15.
- 16 Stater. *Obv.* Nike running left, head turned back. VON FRITZE 121, pl. IV, 7. Found together with Nos. 5, 10, 11, 13-15 and 17. Published for the first time in: KARYSHKOVSKIY 2003, p. 302, 16.
- 17 Stater. *Obv.* Bull with human head left. VON FRITZE 125, pl. IV, 10. Found together with Nos. 5, 10, 11 and 13-16. Published for the first time in: KARYSHKOVSKIY 2003, p. 302, 17.⁶⁰

⁶⁰ The otherwise unrecorded hoard of 7 staters, nos. 5, 10-11, 13-17, is a typical deposit of Cyzicenes of the mid 4th century as found in the Black Sea region, see HURTER / LIEWALD 2004, pp. 30-31 with map of the find spots.

- 18 Hekte. *Obv.* Gorgoneion. VON FRITZE 129, pl. IV, 15. Found at Olbia in the beginning of the 19th cent., see: 'Choix de médailles antiques d'Olbiopolis (*supra*, No. 9), p. 37, d, pl. II, d.; KARYSHKOVSKIY 1960, pp. 3-12, 11; *id.* 2003, p. 302, 18.
- 19 Hekte. *Obv.* Wheel with four spokes. Published in HURTER / LIEWALD 2002, p. 35, 48. Purchased at Parutino together with other coins. OAK 1909-1910, p. 100; KARYSHKOVSKIY 1960, pp. 3-12, 12, pl. 1, 1-2 («Undefined nominal value (hekte?); this type is lacking description.»); *id.* 2003, p. 302, 19.

*FINDS OF CYZICENE COINS FROM NICONIUM*⁶¹

ALEXEEV / LOBODA V.P. ALEXEEV / P.G. LOBODA, Odessa Numismatic Museum, vol. III, Antique and Medieval Coins of the Northern West Black Sea Region (Odessa 2004)

- 1 Hemihekte. *Obv.* Griffin left over tunny. Cf. VON FRITZE 100 (hekte). ALEXEEV / LOBODA 207.
- 2 Stater. *Obv.* Apollo seated right on omphalos, holding kithara set on his knees. VON FRITZE 202, pl. VI, 14. ALEXEEV / LOBODA 208.

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Zusammenfassung

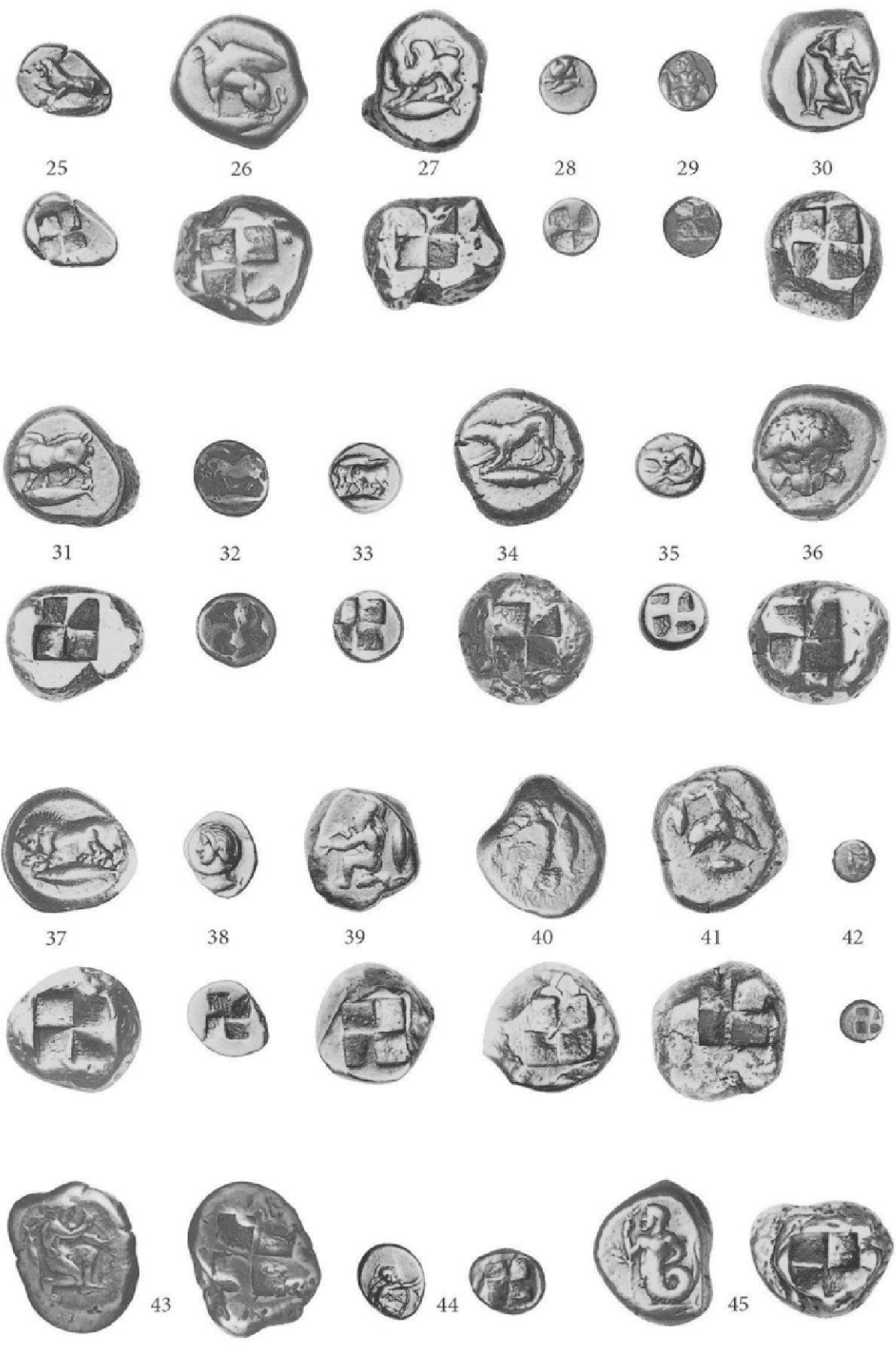
Publiziert sind hier die kyzikenischen Elektronmünzen der Eremitage, St. Petersburg, und des Historischen Museums in Moskau. Die Bestände der beiden Institutionen wurden erstmals zusammengelegt; angeordnet sind sie nicht in der Reihenfolge von Fritzes Gruppen, sondern sie folgen dem chronologisch wahrscheinlicheren Arrangement der Bostoner Sammlung. Angegeben sind ebenfalls die Resultate der Analysen der Stücke aus der Eremitage.

In einem Anhang werden Horte und Einzelfunde aus dem nördlichen Schwarzmeergebiet publiziert, ebenso Einzelfunde aus der Gegend von Olbia und von dem an der Dnjestr-Mündung gelegenen Niconium.

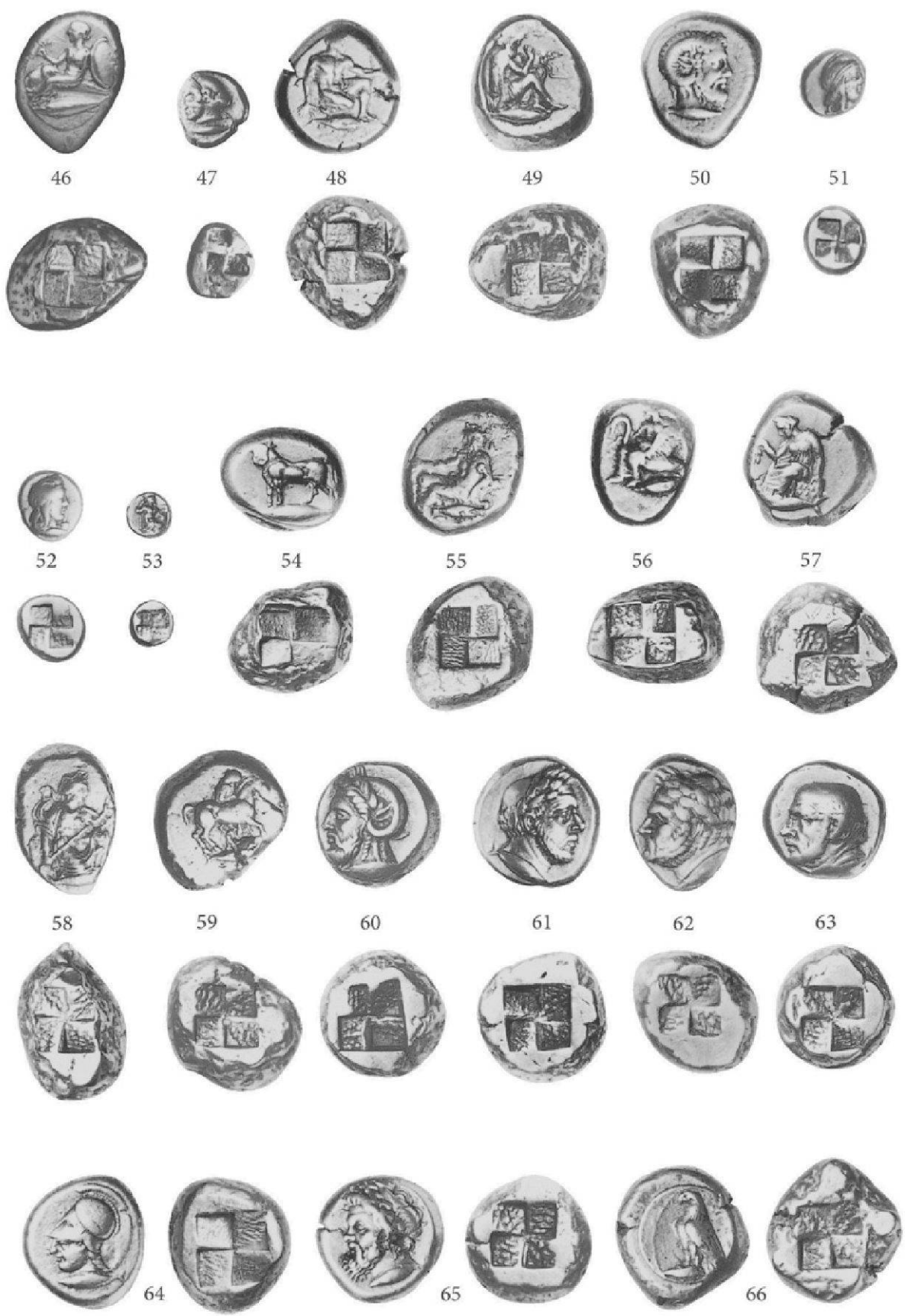
⁶¹ These two coins are the first Cyzicenes ever found at Niconium (present-day Roksolany on the Dnjestr estuary, Ukraine).



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