

SIXTH-TO-SEVENTH CENTURY COIN CIRCULATION IN DOBRUDJA

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Until the last decades, the study of the Byzantine coin circulation during the 6th-7th century AD attracted only a few scholars involved in Ancient Numismatics. Modern approaches, both in numismatics and historical research, made possible a few studies aiming to draw some guidelines on the coin circulation during the early Byzantine period¹. The present study does not intend to offer solutions to all the problems raised by the circulation of the early Byzantine coins in Dobrudja, nor does it try to give a final resolution in terms of statistical figures, being just an overview on the matter based on the contributions of a number of Romanian researchers in the past half century.

The geographical area brought into discussion should be the historical territory of the Late Roman province of Scythia, which includes the modern Romanian Dobrudja and the North-East corner of Bulgaria. Unfortunately, despite the large amount of coin finds, the present research in Bulgaria is less developed and the introduction of incomplete information could lead to a statistical distortion. Therefore the analysis at this point will be limited to the Romanian part of the province.

In chronological terms, the starting point of the discussion is the great monetary reform of Anastasius carried out in 498, which saw the introduction of new copper denominations used in circulation in Dobrudja the whole sixth century and the first decades of the next one. The first years of the reign of Heraclius' reign mark the downfall of the Danube limes and therefore the end of the coin circulation in the former Late Roman and Early Byzantine province of Scythia². The title announcing a study of the coin circulation during the sixth and seventh century should be seen as the period of time of real coin circulation, which, at least at this moment, is comprised between the above-mentioned span of time.

The coin sample for Dobrudja includes a rather significant number of coins, brought to light especially from the major urban centres of the province and to a lesser extent from rural settlements. The present total gathers a number of 2697 coins, of which 973 come from the yet unpublished collection of the Museum of National History and Archaeology at Constantza³, some of them with uncertain finding places, whereas for the other 1724 specimens we have all the necessary information to draw an analysis.

¹ E. Oberländer-Târnoaveanu, *Aux origines économiques du Moyen Age au Bas-Danube: Notes sur l'évolution des échanges monétaires dans la zone rurale de Dobrudja et au nord-est de la Bulgarie aux VI^e-X^e siècles*, *Studia Historica et Theologica. Omagiu prof. Emilian Popescu*, 2003, pp. 211-226; Idem, *La monnaie dans l'espace rural byzantin des Balkans Orientaux - Un essai de synthèse au commencement du XX^e siècle*, *Peuce*, 14, 2003, pp. 341-379; C. Preda, *Scurtă privire asupra descoperirilor monetare bizantine din Dobrogea*, BSNR, 90-91, 1996-1997, 144-145, pp. 97-126; Gh. Poenaru Bordea, E. Nicolae and A. Popescu, *Contributions numismatiques à l'histoire de Noviodunum aux VI^e-VII^e siècles*, SCN, 11, 1995, pp. 135-161; I. Jordanov, *Dobrudza (491-1092) – selon les données de la numismatique et de la sphragistique*, in *Dobrudza. Etudes ethno-culturelles*, Sofia, 1987, pp. 182-207; Gh. Poenaru Bordea and R. Ocheșanu, *Probleme istorice dobrogene (secolele VI-VII) în lumina monedelor bizantine din colecția Muzeului de Istorie Națională și Arheologie din Constanța*, SCIVA, 3, 1980, pp. 377-396; Gh. Poenaru Bordea, *Monnaies byzantines des VI^e-VII^e siècles en Dobroudja*, in *Actes de XIV^e Congrès International des études Byzantines*, Bucharest, III, 1976, pp. 203-214; Idem, *Monede bizantine de bronz din secolele V-VII în Dobrogea*, BML, 1971, pp. 51-57; J. Juroukova, *Les invasions slaves au sud du Danube d'après les trésors monétaires en Bulgarie*, *Byzantinobulgarica*, III, 1969, pp. 255-263; Eadem, *Particularités dans la circulation des monnaies byzantines du VI-VII^e s. sur le littoral occidental de la Mer Noire*, *Byzantinobulgarica*, II, 1966, pp. 223-227.

² At this point the latest coin issued by Heraclius to be found in Dobrudja are two folles struck in Constantinople, and dated 629/630 (both found at Mangalia in the ancient Callatis area); see: R. Ocheșanu, *Câteva monede bizantine din secolele VII-XI*, in *Pontica*, 14, 1981, p. 312; O. Iliescu, *Însemnări privitoare la descoperiri monetare*, in SCN, 2, 1958, p. 453; Gh. Poenaru Bordea and R. Ocheșanu, SCIVA, 3, 1980, p. 390, fn. 37 and a half-follis dated in the same year found in the ancient Carsium area. See: G. Custurea, *Unele aspecte privind penetrația monedei bizantine în Dobrogea în secolele VII-X*, *Pontica*, 19, 1986, p. 277.

³ *Ibidem*, pp. 377-396.

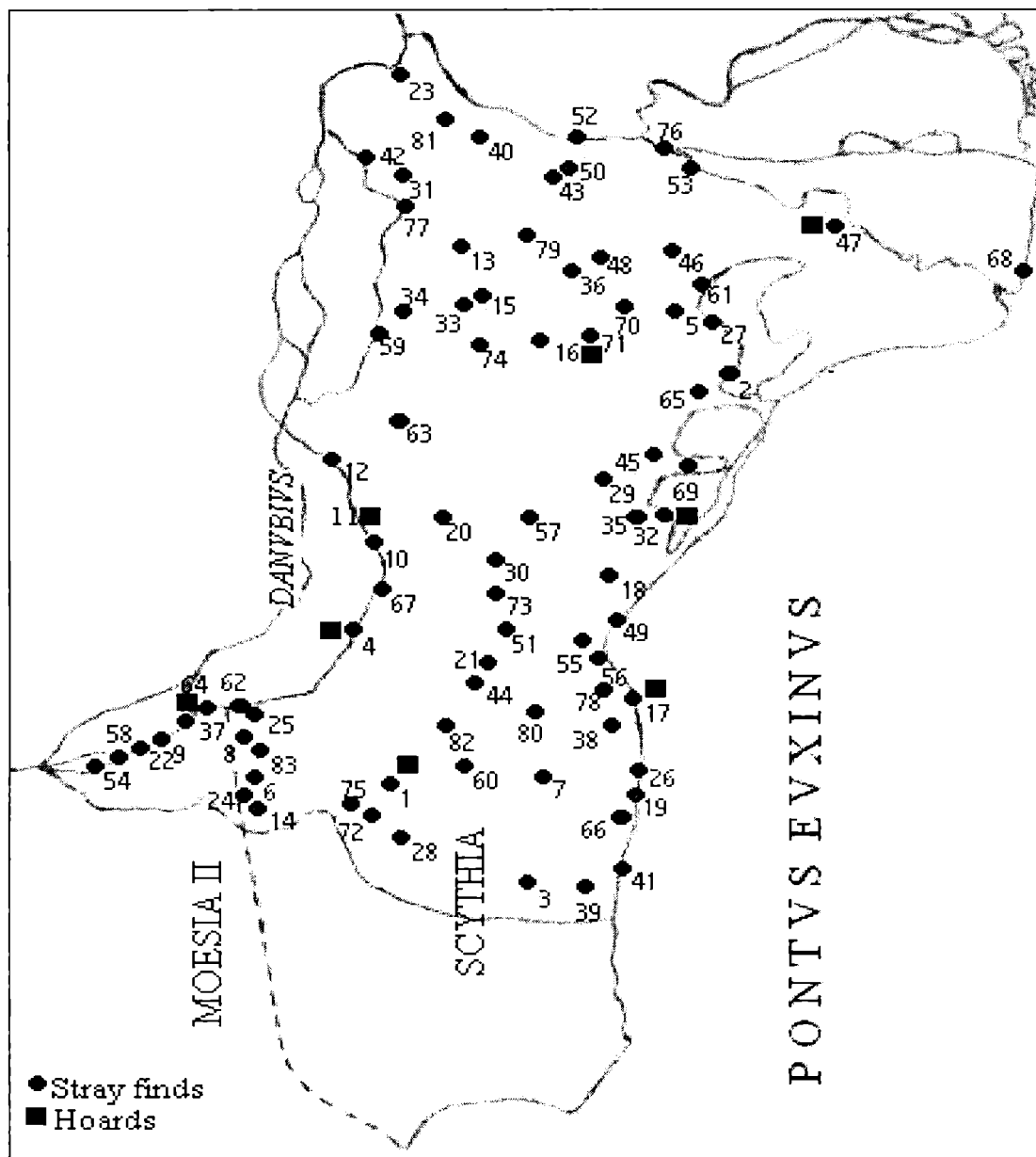
Table 1. Copper coins found in Dobrudja (498-641)

EMPEROR	DOBRUDJA	MNHAC ⁴ COLLECTION	TOTAL
Anastasius I (491 (498)-518)	95	58	153
Justin I (518-527)	156	107	263
Justinian I (527-565)	531	293	824
Justin II (565-578)	519	275	794
Tiberius II (578-582)	46	27	73
Maurice Tiberius (582-602)	208	133	341
Phocas (602-610)	72	56	128
Heraclius (610-641)	34	24	58
6 th -7 th c.	63	-	63
TOTAL	1724	973	2697

Table 2. Number of nummia and nummia per year of reign

EMPEROR	NUMMIA	% NUMMIA	POSITION	COEFF. N/Y	%COEFF. N/Y	POSITION
Anastasius	2525	5.82%	V	126.25	4.43%	VII
Justin I	4280	9.87%	IV	475.55	16.69%	II
Justinian I	13386	30.88%	II	352.26	12.36%	III
Justin II	13565	31.29%	I	1043.46	36.62%	I
Tiberius II	1245	2.87%	VII	311.25	10.92%	IV
Maurice	5320	12.27%	III	266	9.33%	V
Phocas	1910	4.41%	VI	238.75	8.38%	VI
Heraclius	1124	2.59%	VIII	36.26	1.27%	VIII
TOTAL	43355	100%		2849.78	100%	

⁴ The Museum of National History and Archaeology Constantza.



Stray finds and hoards in Dobruđa

1 Adamelisi; 2 Argamum; 3 Arsa; 4 Axiopolis; 5 Babadag; 6 Băneasa; 7 Bărăganu; 8 Beilic; 9 Canlia; 10 Capidava; 11 Topalu; 12 Carsium; 13 Cerna; 14 Cetatea; 15 Cloșca; 16 Ciucurova; 17 Constanța; 18 Corbu; 19 Costinești; 20 Crucea; 21 Cuza-Vodă; 22 Derevent; 23 Dinogetia; 24 Dobromir; 25 Dunăreni; 26 Eforie; 27 Enisala; 28 Fântâna Mare; 29 Fântânele; 30 Grădina; 31 Greci; 32 Histria-Istrus; 33 Horia; 34 Iglia; 35 Istria; 36 Iulia; 37 Izvoarele; 38 Lazus; 39 Limanu; 40 Luncavița; 41 Mangalia; 42 Măcin; 43 Măn. Cocos; 44 Medgidia; 45 Mihai Viteazul; 46 Mihail Kogălniceanu; 47 Murighiol; 48 Nalbant; 49 Năvodari; 50 Niculițel; 51 Nisipari; 52 Noviodunum; 53 Nufărul; 54 Ostrov; 55 Ovidiu; 56 Palazu Mare; 57 Pantelimon; 58 Păciul lui Soare; 59 Piatra-Frecăței; 60 Pietreni; 61 Popina; 62 Sacidava; 63 Saraiu; 64 Satu Nou; 65 Sălcioara; 66 Schitu; 67 Seimeni; 68 Sf. Gheorghe; 69 Sinoe; 70 Slava Cercheză; 71 Slava Rusă; 72 Șipotele; 73 Târșor; 74 Topolog; 75 Tufani; 76 Tulcea; 77 Turcoaia; 78 Tuzla; 79 Valea Teilor; 80 Valul lui Traian; 81 Văcăreni; 82 Veteranu; 83 Viile.

In order to reach certain historical and numismatic conclusions, a comparison⁵ will be kept with the MNHAC collection and the results coming from the capital Tomis⁶, as well as from the other important centres at Istrus⁷, Noviodunum⁸, Dinogetia⁹ and Halmyris¹⁰, where significant finds have been reported. The statistical result given by the “Dobrudja” lot signifies an average for the entire province, while the comparative analysis will try to emphasize the peculiarities of the coin circulation in the main early Byzantine towns, and on some occasions, in the larger rural settlements.

It is well known that the mere number of coins does not offer an accurate picture of the circulation during a certain period, due to the variety of denominations available on the market as fractions of the follis. Therefore the analysis will be opened with a discussion upon the situation based on the number nummia per year of reign, which brings a few changes compared to calculation of the coefficient called “number of coins”. For the sake of the argument one example is worthy to be mentioned: while Justinian I stands in the first position by number of coins, he is surpassed by Justin II in terms of nummia due to the massive presence of dekanummia issued by Justinian I, whereas his nephew has less coins found, but of higher denomination.

Judging by the nummia per year of reign coefficient, Justin II leads with 36.62% followed at a considerable distance by Justin I and Justinian I, the latter on a somewhat striking 3rd position for a period considered as the peak of the early Byzantine economical and political life. As for the lower part of the classification, Heraclius comes with a dramatically low figure of 1.27%. This might be explained by his long reign and the scarcity of his coins in Dobrudja, especially after his first six years of reign, when the intensity of coin circulation was comparable to the time of Anastasius. This is a rather surprising association considering the two periods seen as totally different historical moments: the reconstruction process undertaken by Anastasius at the Danube¹¹, versus an epoch, so far considered as subsequent to the downfall of the limes¹².

A more complex picture is drawn by structuring the stray finds according to monetary reforms which affect the ratio between the gold solidus and its equivalent in bronze lbs. and therefore in folles, based on the legal weight standards of the follis¹³.

⁵ See appendix, table 3.

⁶ Th. Isvoranu and Gh. Poenaru Bordea, *Monede bizantine de la Tomis și împrejurimi în colecția Institutului de Arheologie „Vasile Pârvan”*, in *Simpozion de numismatică*, 2003, pp. 137-161.

⁷ H. Nubar in: C. Preda and H. Nubar, *Histria III, Descoperirile monetare, 1914-1970*, Bucharest, 1973, pp. 198-233; Gh. Poenaru Bordea in: Al. Suceveanu, *Histria VI, Les thermes romains*, Bucharest, 1982, pp. 154-158; Gh. Poenaru Bordea, E. Nicolae and A. Popescu, SCN, 11, 1995, p. 135-161.

⁸ Gh. Poenaru Bordea, E. Nicolae and A. Popescu, SCN, 11, 1995, pp. 135-161.

⁹ B. Mitrea, *Monedele și prăbușirea Dinogetiei la sfârșitul secolului VI*, Pontica, 7, 1974, pp. 49-72.

¹⁰ Gh. Poenaru Bordea in Al. Suceveanu, M. Zahariade, Fl. Topoleanu and Gh. Poenaru Bordea, *Halmyris I*, 2003, pp. 142-189.

¹¹ I. Barnea, *Contributions to Dobrudja History under Anastasius I*, Dacia, N. S., 4, 1960, pp. 363-374; Gh. Poenaru Bordea, BMI, 40, 1971, 3, p. 53; Al. Barnea, *La Dobroudja aux IV^e-VI^e siècles n. è.*, in Al. Suceveanu and Al. Barnea, *La Dobroudja romaine*, Bucharest, 1991, p. 171.

¹² I. Barnea, *Perioada Dominatului (sec. IV-VII)*, in R. Vulpe and I. Barnea, *Din istoria Dobrogei, II, Romanii la Dunărea de Jos*, Bucharest, 1968, p. 438; M. Sâmpetru, *Situația imperiului romano-bizantin la Dunărea de Jos la sfârșitul secolului al VI-lea și începutul celui de al VII-lea*, SCIV, 22, 1971, 2, pp. 228-229. See also the recent studies dealing with the dissolution of the Roman limes during the reign of Heraclius: Al. Barnea, in Al. Suceveanu and Al. Barnea, *op. cit.*, pp. 176-177; Al. Madgearu, *The Province of Scythia and The Avaro-Slavic Invasions (576-626)*, BalkSt., 37, 1, 1996, pp. 52-55; Idem, *The Downfall of the Lower Danubian Late Roman Frontier*, in RRH, 36, 1997, 3-4, pp. 315-336; Fl. Curta, *The Making of the Slavs: History and Archaeology of the Lower Danube Region*, Cambridge, 2001, p. 189.

¹³ W. Hahn, *Moneta Imperii Byzantini*, I, Vienna, 1973, p. 27 and II, 1975, pp. 14-17; J. -P. Callu, *Le tarif d'Abydos et la reforme monétaire d'Anastase*, *The IXth Numismatic Congress, Berna, 10-15 september 1979* (apud Gh. Poenaru Bordea and R. Ocheșanu, SCIVA, 3, 1980, p. 384); M. F. Hendy, *Studies in the Byzantine Monetary Economy c. 300-1450*, Cambridge, 1985, p. 478.

Table 3. Yearly coefficients upon monetary reforms.

Emperor	Reform	Coins/year of Reform	Coeff. C/Y	Position	Nummia /y. of Ref.	Coeff. N/Y	% Coeff. N/Y	Position
Anastasius I	498-512	17/14	1.21	XIII	500/14	35.71	0.78%	XIII
	512-518	47/6	7.83	IX	1370/6	228.33	4.96%	IX
Justin I	518-527	145/9	16.11	III	4210/9	467.77	10.16%	IV
Justinian I	527-538	132/11	12	V	4376/11	397.81	8.64%	V
	538-542	62/4	15.50	IV	1980/4	495	10.75%	III
	542-550	75/8	9.37	VI	2077/8	259.62	5.64%	VI
	550-565	107/15	7.13	X	2186/15	145.73	3.16%	XII
Justin II	565-570	151/5	30.20	I	4275/5	855	18.57%	I
	570-578	195/8	24.37	II	6030/8	753.75	16.37%	II
Tiberius II	578-580	13/2	6.50	XI	490/2	245	5.32%	VII
Constantine	580-582	12/2	6	XII	480/2	240	5.21%	VIII
Maurice	582-602	176/20	8.80	VII	4550/20	227.50	4.94%	X
Phocas	602-610	64/8	8	VIII	1760/8	220	4.78%	XI
Heraclius	610-631	28/31	0.90	XIV	1024/31	33.03	0.72%	XIV
	(610-616)	(19/6)	(3.16)	(XIII)	(720/6)	(120)	(2.56%)	(XIII)

For the first interval (498-512) after the great reform, the coin circulation remains at a rather low level, considering that issues from this period of time are quite scarce in the Empire, except for the Oriental and Danubian limes¹⁴, where the early Anastasian folles and half-folles have been found in greater number. A significant increase in the number of finds is reported for the following stage, when both written and archaeological evidence witness an age of reconstruction at the Lower Danube, especially focused on the major fortified places. It is the case of Istrus and Dinogetia, where stamped bricks bearing the emperor's name have been found, or Capidava whose walls were rebuilt, most likely, during this period. In the capital city of Tomis, among other finds a lead seal of Anastasius has been uncovered. The social and economic life flourished once again proven by the number of private and public constructions erected inside the walls of the larger towns of the province¹⁵. Despite the achievements in the realms of finance and the special attention shown to this part of the Empire, the coin circulation did not reach a spectacular level in the urban centres and even less in the rural settlements of the province¹⁶.

The reign of Justin I saw a major increase of the coefficient of nummia/ year present on the market, 10.16%, double compared to the previous period and also the highest level reached during the interval 498-538, when the number of folles exchanged for a solidus remained unchanged¹⁷. His bronze coinage can be divided in two chronological phases - 518-522, with 34 specimens totaling 1080 nummia and 522-527, represented by 35 coins, for a total of 1010 nummia. The first phase is therefore better situated, showing a coefficient of 270 nummia per year, while the second gives only a coefficient of 202 nummia per year. As the situation remains quite balanced, we should wait for further results to shed more light on the two stages of his reign. In the capital city of Tomis we notice a totally different standing. Here, the coins issued by Justin I are placed in the first position with 14.85%, compared to the overall province, where it is placed on the 4th position. A possible explanation could be provided by the repercussions of the invasions led by the Antae and Slavs¹⁸. They might have affected especially the northern part of Dobruđa, judging by the high currency levels noticed in the finds at Tomis and Callatis¹⁹. Despite the mentioned Barbaric incursions, the reign of Justin I represents a peaceful decade for the border province, as proven by archaeological evidence²⁰ testifying the strengthening of the Danube border.

The decisive phase of the reconstruction is known from its detailed description made by Procopius in *De Aedificiis*, as well as from the archaeological research at some important early Byzantine centres: Tomis, Ulmetum, Aegyssus, Halmyris, Istrus, Dinogetia, Libida, Argamum, Troesmis, or the fortress Callatis where a very suggestive inscription has been found - $\text{ΙΟΥΣΤΙΝΙΑΝΟΥ τοῦ φιλοκτίστου}$ ²¹.

¹⁴ D. M. Metcalf, *The Origin of the Anastasian Currency Reform*, Amsterdam, 1969, pp. 94-99. The hoard of Cudalbi, Galatz County, in "Barbaricum", contains small module folles dating from this early period. First published by I. Dimian, *Câteva descoperiri monetare bizantine pe teritoriul RPR*, SGN, I, 1957, pp. 190-191 and later re-published by O. Iliescu, *Tezaurul de monede bizantine de la Cudalbi*, in *Creșterea Colectiilor*, Caiet Selectiv de Informare, 43-44, ianuarie-iunie 1973, pp. 9-14, nos. 12-39; See also the updated table in Fl. Curta, *Invasion or Inflation? Sixth-to Seventh-Century Byzantine Coin Hoards in Eastern and Southeastern Europe*, *AnnIN*, 43, 1996, p. 118.

¹⁵ I. Barnea, *Dacia*, N. S., 4, 1960, pp. 363-373; Al. Barnea in *op. cit.*, p. 171; Fl. Curta, *The Making...*, pp. 124-126.

¹⁶ E. Oberländer-Târnoveanu, *Peuce*, 14, 2003, p. 348.

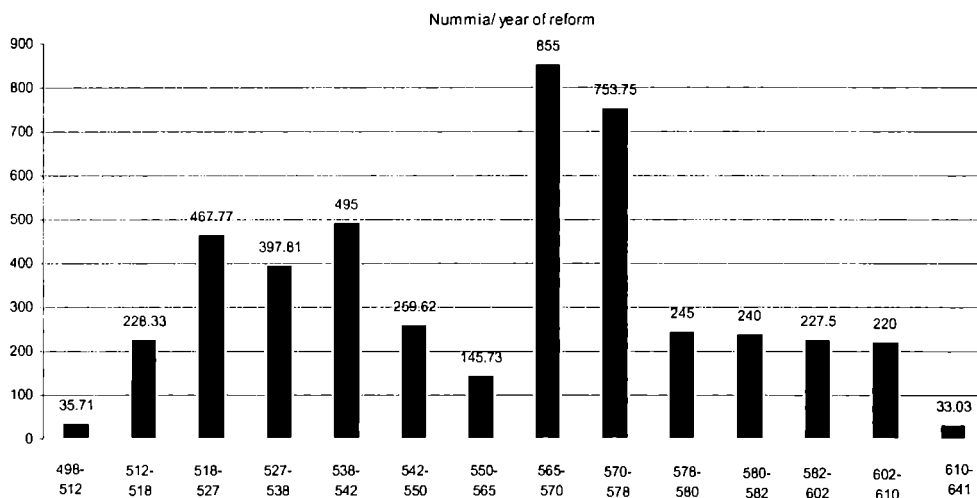
¹⁷ W. Hahn, *op. cit.*, I, p. 19-27 (360 folles/solidus); J.-P. Callu, *op. cit.*, (288 folles/solidus).

¹⁸ Al. Barnea in Al. Suceveanu and Al. Barnea, *op. cit.*, p. 172.

¹⁹ Gh. Poenaru, R. Ocheșanu and A. Popescu, *SCN*, 12, 1997, pp. 100-101. In connexion with the same events could be put the hoard from Cudalbi ended with issues dated 522-527 (see fn. 14).

²⁰ Al. Barnea in Al. Suceveanu and Al. Barnea, *op. cit.*, p. 172.

²¹ I. Barnea, in R. Vulpe and I. Barnea, *op. cit.*, p. 424.



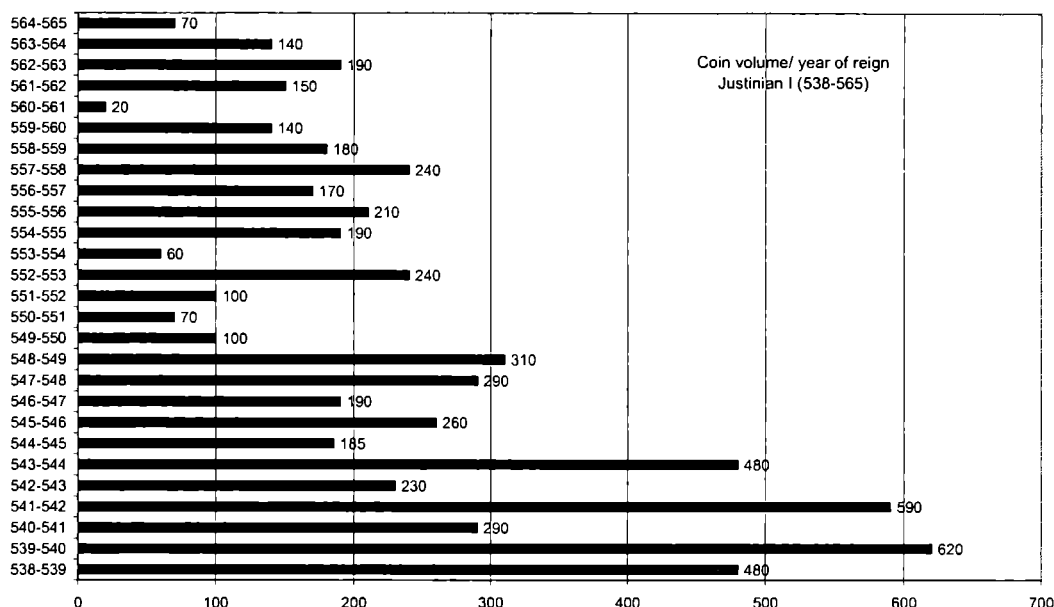
Four currency reforms divide the long reign of Justinian I: 527-538, 538-542, 542-550 and 550-565. During the first stage, while the value of the copper issues remains stable, a slight decrease can be noticed down to 8.64% for the provincial level and a sharper one in the northern part of Dobrudja, with 6.66% at the important fortress of Noviodunum. Procopius informs about the military events unfolded in the area: for three years the Byzantine general Chilbudios achieved some major victories against the Barbarian tribes North of the Danube, but soon after his death the enemy took the initiative and “from then on the River was always easy to cross by the Barbarians and Rome’s wealth easy to reach”²².

We cannot be certain to what extent this Barbarian military success which took place North of the Danube affected also the territory of Dobrudja. In the realms of numismatics a more precise chronology divides this period as follows: 527-532, giving a coefficient nummia per year of 132, while the second, 532-538, brings 145 nummia per year. Although the difference is not very striking, one still has to wonder how can the first period of time generously praised by Procopius for its major military achievements to present a smaller figure in terms of coin circulation, compared to a second period when the border was more insecure. It could be possible that Dobrudja was not economically influenced on the short term by the events placed higher on the Danube.

The reform of 538 introduced the regular dating on copper issues, which permits from this point a closer survey on the yearly volume of coins entering the provincial market. The short interval until the next currency reform (538-542) brings the highest coefficient up to this point with 10.75%, the 3rd position in the overall classification. An interesting development can be observed in the case of the fortress Noviodunum indicating a severe downfall to 2.16%, which might be related to the Coutrigurs attack in 540²³. The same explanation could be supposed for the situation at Troesmis, where only one specimen is available for this interval, dated 539-540, while at Niculițel in the rural area close to Noviodunum, two issues dated 541-542 have been found. On the contrary, the results from the fortresses Halmyris and Dinogetia, also situated in the northern part of the province, show a significant higher figure up to 20.03% for the latter. In what concerns the average of the currency volume for the entire Dobrudja, this time interval marks two peaks, the highest of all his reign: 538-539 (620 nummia) and 540-541 (590 nummia), noticing the downfall in-between during the Coutrigurs invasion, 539-540 (290 nummia).

²² Procopius, *De bello Gothico*, III, 14, 6.

²³ I. Barnea in R. Vulpe and I. Barnea, *op. cit.*, p. 417; Gh. Poenaru Bordea, E. Nicolae and A. Popescu, SCN, 11, 1995, p. 151.



The third stage (542-550) points out another reduction in the quantity of currency entering the provincial market down to 5.64%. Although its location is not certain, the granting of the fortress Turris to the Antae in 546 for defence purposes²⁴ seems to have had a powerful effect on the coin circulation. The large coin hoard of Anadolchioi, close to Tomis, seems to be buried during the same military events, judging by the last coin in the hoard dated 545/546²⁵. Observing the annual evolution of the coin volume for the entire province, we notice the peak reached in 543-544 followed by a sudden decrease the next two years, marked by the emperor's intention to settle the Antae North of the Delta (544) and the already mentioned granting of Turris (546).

During the last part of the reign (550-565) the decline is even more severe, the coefficient dropping to a dramatic 3.16%. The involution is probably caused by the settlement of the Slavs in the centre of the province, at Ulmetum²⁶, and their attacks southwards to Thrace, in 550-551. During this year the coin circulation in Dobrudja records the lowest value so far (70 nummia). In the interval prior to the great Coutrigurs offensive in 559, the yearly coin volume improves for the last time during the long reign of Justinian. The attack initiated by the Coutrigur tribes in 559 seriously affected the territory of Dobrudja. The hardest blow is received by the fortresses on the Danube. At Dinogetia the coin finds are missing for a period of ten years (557/8-566/7)²⁷, while at Capidava we notice several gapes for the interval 553/4-565/6²⁸. In the hoard found at Topalu, near Capidava, issues from 556/7 to 561/2 are missing as well²⁹.

In 562 the Huns and Bulgarians invade the Empire, while the Avars led by Baian threaten to take up Dobrudja. From the numismatic point of view, the coin flow drops dramatically in 560/1,

²⁴ Procopius, *De bello Gothico*, III, 14, 32-33; I. Barnea in R. Vulpe and I. Barnea, *op. cit.*, p. 418; Gh. Poenaru Bordea, E. Nicolae and A. Popescu, SCN, 11, 1995, p. 152. For the location of Turris at Barboși (Galatz County) stands the offer made by Justinian to the Antae two years earlier, to settle as foederates on the territory between the Danube Delta and the river Dniester; See: Al. Madgearu, *The Placement of the Fortress Turris*, BalkSt., 33, 2, 1992, pp. 203-208. Another hypothesis tries to place Turris at Tyras (Cetatea Albă), see: D. Gh. Teodor, *Romanitatea carpato-dunăreană și Bizanțul în veacurile V-XI e. n.*, Iași, 1981, p. 18.

²⁵ B. Mitrea, *Un tezaur de monede bizantine descoperit la Constanța*, Pontica, 16, 1983, pp. 239-262; Gh. Poenaru Bordea, E. Nicolae and A. Popescu, SCN, 11, 1995, p. 152 and fn. 36.

²⁶ Al. Barnea in Al. Suceveanu and Al. Barnea, *op. cit.*, p. 173.

²⁷ B. Mitrea, Pontica, 7, 1974, p. 65, nr. 21 and p. 66, nr. 33; I. Barnea, *L'incendie de la cité de Dinogetia au VI^e s.*, Dacia N. S., 10, 1966, pp. 237-259.

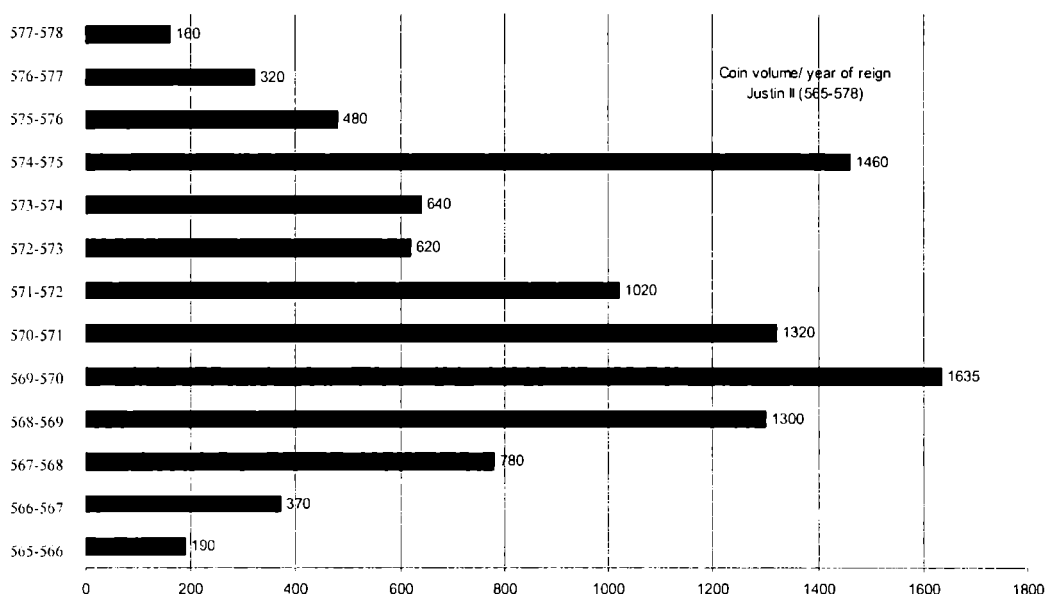
²⁸ Antoaneta Vertan, G. Custurea and G. Talmăci, *Descoperiri monetare în Dobrogea (XIII)*, Pontica, 32, 1999, p. 351.

²⁹ I. Dimian, SCN, 1, 1957, pp. 191-192; V. Popović, *Une invasion slave sous Justin II inconnue des sources écrites*, Numizmatičar, 4, 1981, p. 113.

only two coins having been found until this moment. For the last stage of the reign we notice a considerable number of dekanummia entering the market, especially during the interval 565-566 (40 sp.), almost half of them being struck at Nicomedia (19 sp.). The tendency appears very clear in the cases of Tomis³⁰, or Halmyris³¹.

Justin II accedes to the throne in a difficult moment for the Empire, both political and economic, after his uncle's tremendous activity which taxed the Empire to the very limits of its resources. The new emperor was obliged to order a debasement of the follis, therefore increasing the inflation process already mounting during the last years of Justinian.

In terms of monetary reforms the reign of Justin II can be divided in two stages, 565-570 and 570-578. The first period produces a spectacular growth up to 18.57%. Judging by the follis/solidus ratio, it seems to be a rather inflationist tendency than a real economic boost³². However, for the first two years the coin volume maintains at a rather low level, possibly due to the Avar invasion of 566³³, for the next years to witness a tremendous rise up to an absolute peak of 1635 nummia in 569/570. Among the finds we notice the presence of a large quantity of half-folles issued at Thessalonica. They represent almost half of the total number of specimens during the years 566/7 (9 sp.), 567/8 (16 sp.), 568/9 (21 sp.), 569/70 (21 sp.). Actually, the large scale diffusion of the Thessalonicaean issues represents a phenomenon whose origins are to be found during the last five years of Justinian.



The second stage marks a slight decrease, but the flow still remains at a very high level, on the 2nd place in the overall classification for the 6th-7th c. This interval stands in the first position judging from the results coming from the major fortresses in the northern half of the province, which might lead us to the conclusion that the southern area was less supplied with new issues during the second stage. As prove stands the lower figure from Tomis (14.24%) and the result from Capidava of 78 nummia per year in the first stage, compared to 52.5 nummia per year in the second one.

The flow abruptly dropped after 572, as Baian initiated a new offensive (573)³⁴, only to reach a new and final peak in 574/5 (1460 nummia). This might be a possible effect of the *donativa*, a phenomenon that can also be observed five years before. The reign ends with low values during the

³⁰ Th. Isvoranu and Gh. Poenaru Bordea, *Simpozion de numismatică*, 2003, pp. 156-157.

³¹ Gh. Poenaru Bordea in Al. Suceveanu et al., *op. cit.*, p. 182.

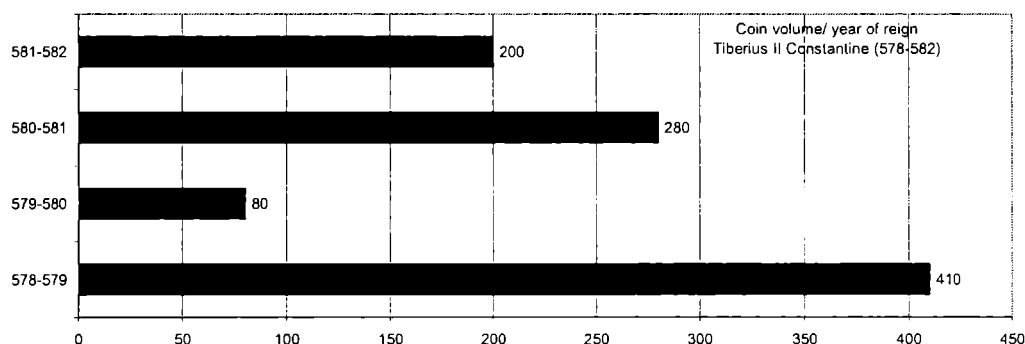
³² Idem, *Actes...*, p. 207.

³³ Al. Barnea in Al. Suceveanu and Al. Barnea, *op. cit.*, p. 175.

³⁴ I. Barnea in R. Vulpe and I. Barnea, *op. cit.*, p. 431.

years of Slavic invasions started in 576³⁵. The troubled times in the province are witnessed by three coin hoards concealed one in Barbaricum at Gropeni³⁶ (577/8) and two in Scythia. The later ones, ending with issues dated 574/5 and 576/7, were found both inside the walls of the fortress Halmyris lying on a burned layer. Despite the small chronological gap noticed by the latest coins of the hoards, they were probably buried with the same occasion. At the same time, in the fortress Beroe the coin circulation ends with a coin dated 575/6, found also in a burned level, while at Capidava the phase N2 ends during the same events³⁷.

A new reform is applied to the copper coinage during the first two regnal years of Tiberius II Constantine as sole ruler. The Emperor attempted to re-establish the former weight standard in use during to the last years of Justinian's reign, as well as its ratio to the solidus. This measure was not to last throughout Tiberius II reign, as the value of the follis soon dropped. In Dobrudja the two stages (578-580 and 580-582) are equally balanced and both very far from the previous coefficient for the last period of Justin II. Nevertheless, a peak is noticed in the first year (480 nummia), which coincides with the attack led by Baian against the Slavs, as part of the agreement settled by Tiberius while he was co-emperor³⁸. Interesting enough is the fact that both at Tomis and Dinogetia coin finds from the first stage are completely missing.



The coin supply during the reign of Maurice Tiberius regresses to the values in the last stage of Anastasius (4.94%). At Halmyris we learn of a more dramatic situation (2.64%), marked also by a lack of finds for a decade 589/90-600/1. Meanwhile, the coin circulation seems more active on the seaside areas, at Callatis and especially Tomis (10.28%).

The Avar offensive of 585-586 seems to have affected only the southern part of Dobrudja, since the campaign followed the route Bononia-Ratiaria-Durostorum-Tropaeum-Zaldapa-Marcianopolis³⁹ and the coin supply remains at a rather stable level throughout the province⁴⁰. The town of Tropaeum was ravaged. For a long time scholars considered that it was never to recover after this moment, until few coins from the next period were found⁴¹. Meanwhile, Zaldapa managed to

³⁵ Al. Madgearu, *BalkSt.*, 37, 1, 1996, pp. 37-38.

³⁶ I. Dimian, *SCN*, 1, 1957, pp. 193-194; C. Chiriac, *Câteva considerații asupra tezaurului de monede bizantine de la gropeni (jud. Brăila)*, Istros, I, 1980, p. 257-262.

³⁷ D. Vâlceanu, Al. Barnea, *Ceramica lucrată cu mâna la Piatra-Frecăței*, SCIVA, 26, 1975, 1, p. 215; I. Opreș, *Ceramica romană târzie și paleobizantină de la Capidava în contextul descoperirilor de la Dunărea de Jos (sec. IV-VI p. Chr.)*, Bucharest, 2003, p. 33; Z. Covacef, *Cercetările din sectorul V al cetății Capidava*, in MCA, Brașov, 1983, p. 361.

³⁸ Al. Madgearu, *BalkSt.*, 37, 1, 1996, p. 42.

³⁹ *Ibidem*, pp. 43-45.

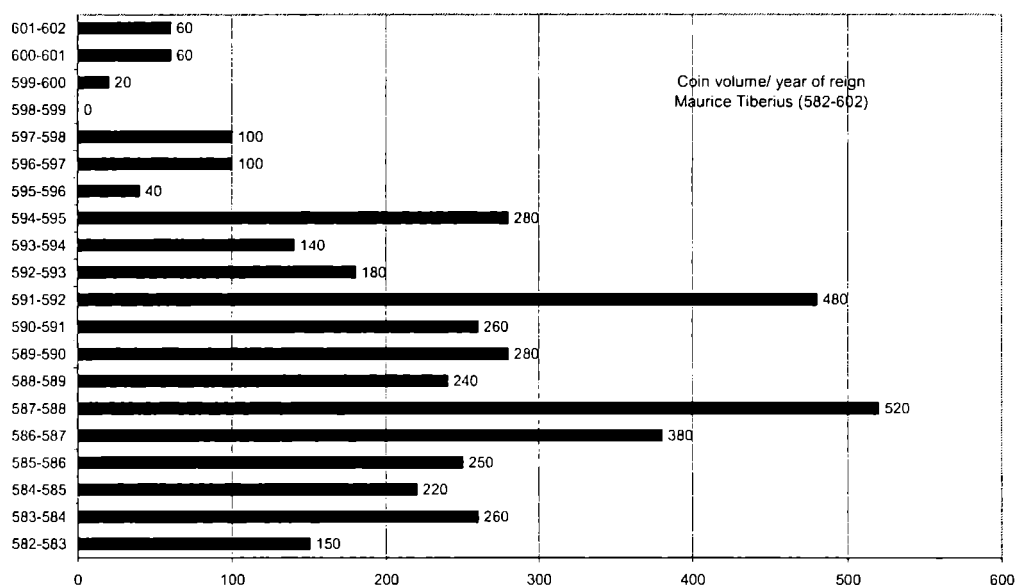
⁴⁰ Gh. Poenaru Bordea, E. Nicolae and A. Popescu, *SCN*, 11, 1995, p. 152.

⁴¹ V. Pârvan, *Cetatea Tropaeum*, 1911, pp. 190-191; I. Barnea in R. Vulpe and I. Barnea, *op. cit.*, p. 433. A specimen dating from 590/1 was reported by Gh. Poenaru Bordea, *Quelques monnaies trouvées à Adamclisi et la fin de Civitas Tropaensium*, Dacia, N. S., 12, 1968, pp. 410-411; Another confirmation comes from the small hoard found in 1993 (see below fn. 48).

survive the attack⁴². The imperial army regrouped and the counteroffensive led by Commentiolus during the next year pushed the Avars as far as the town of Tomis⁴³.

On the Danube, at Capidava, coin finds start from 587/8, while at Axiopolis the only specimen of Maurice is dated 590/1. Both coins come from the layer of the reconstruction process initiated after the Avar attack. In this respect two last peaks are noticed in 587/8 and 591/2. During 592/3 another Slavic attack may have occurred in Dobrudja⁴⁴, as the coin circulation ends at Dinogetia⁴⁵ and Troesmis⁴⁶, in 591/2, along with the phase IVB at Istrus⁴⁷ (after 593) and the hoard of Tropaeum (after 590/1)⁴⁸.

During the year 595 another Slavic invasion is mentioned in the southern part of Dobrudja, when Zaldapa was sacked and the capital Tomis has been besieged⁴⁹. Here, as a direct consequence, the coin finds for the year 595/6 are missing. For the entire province the currency flow drops seven times compared to the previous year, never to recover until the end of Maurice's reign. Connected to these events are probably two hoards concealed at Istrus. The so-called "Temple" and "Thermes" hoards seem to close with coins dated 593/4 and 594/5⁵⁰. Another hoard was found on the Danube's left bank, in "Barbaricum", at Unirea, with a terminus post quem 594/5, possibly related to the same Slavic attack⁵¹.



The reign of Phocas brings a considerable number of coin finds in Dobrudja, meaning the control was partially restored after the crisis of the year 602. The rebellion led by Phocas in 602

⁴² V. Velkov, *Cities in Thrace and Dacia in Late Antiquity (Studies and Materials)*, Amsterdam, 1977, p. 54; Al. Barnea in Al. Suceveanu and Al. Barnea, *op. cit.*, p. 199; S. Torbatov, *Zaldapa, in Roman and Early Byzantine Settlements in Bulgaria*, Sofia, 2003, p. 107.

⁴³ I. Barnea in R. Vulpe and I. Barnea, *op. cit.*, pp. 433-434.

⁴⁴ Al. Madgearu, *BalkSt.*, 37, 1, 1996, p. 49.

⁴⁵ B. Mitrea, *Pontica*, 7, 1974, p. 69 (no. 64).

⁴⁶ E. Oberländer-Târnoveanu, *Monede antice și bizantine descoperite la Troesmis*, Peuce, 8, 1980, p. 274 (no. 177).

⁴⁷ Al. Suceveanu and C. Scorpan, *Stratigrafia Histriei romane târzie în lumina săpăturilor din 1969 și 1970*, *Pontica*, 4, 1971, pp. 159-162.

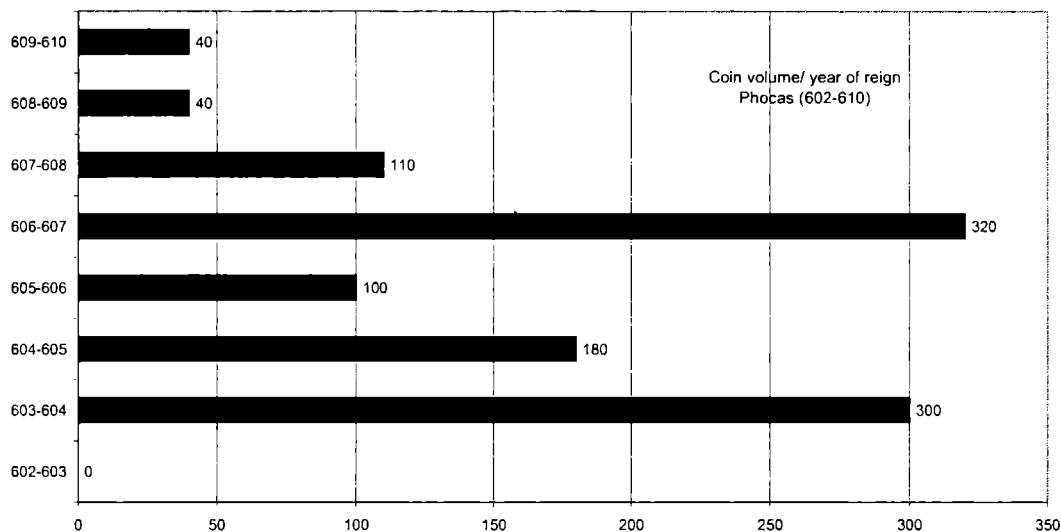
⁴⁸ Ioana Bogdan Cătănicu and Gh. Poenaru Bordea, *Un mic tezaur de monede bizantine descoperit la Tropaeum Traiani*, *BSNR*, 90-91, 1996-1997, pp. 85-95. A second hoard found at Tropaeum in 1908 could be related to these events. Unfortunately, it is only partially preserved and its last available coin is dated 584/5; see R. Ocheșanu, *Tezaurul de monede bizantine descoperit la Tropaeum Traiani în campania arheologică din anul 1908*, *SCN*, 11, 1995, pp. 163-182.

⁴⁹ Al. Madgearu, *BalkSt.*, 37, 1, 1996, p. 50, fn. 84 with the bibliography.

⁵⁰ H. Nubar in C. Preda and H. Nubar, *op. cit.*, pp. 229-233; Gh. Poenaru Bordea, in Al. Suceveanu, *op. cit.*, p. 157-158.

⁵¹ I. Dimian, *SCN*, 1, 1957, pp. 413-416; V. Butnariu, *Răspândirea monedelor bizantine din secolele VI-VII în teritoriile carpato-dunărene*, *BSNR*, 77-79, 1983-1985, 131-133, p. 228; Connected to the Slavic attack are a number of coin hoards in the Danube area: Fl. Curta, *AnnIN*, 43, 1996, pp. 156-161 (nos. 163-170).

underwent rather far from the territory of Scythia, and did not affect the province on the long term, as it was once believed⁵². Nevertheless the fortress Sacidava, close to the border with Moesia II, was sacked, as the archaeologists found a burned level that can be dated based on a coin, post 599/600⁵³. A small hoard from Istrus ends also with a coin dated 600/1⁵⁴. Although found in a rather uncertain archaeological context, it could testify that the town was endangered during the same events.



No more than two specimens dating from 602 were found in Dobrudja up to this moment, both at Tomis⁵⁵, but the coin circulation soon recovered up to 300 nummia in the next year and during the following period, possibly as a consequence of the peace treaty arranged with the Avars. It is worthy to mention that no coin hoard is doubtlessly buried in Scythia during the reign of Phocas and the trend is similar in the whole Danubian area⁵⁶. The last years of Phocas saw a military breakdown in Asia, where important towns fell to the Persians and in the Balkans, where the Avars attacked once again. The coin circulation reaches a dramatic level from 608 and it will not recover until the first years of Emperor Heraclius.

Until 616, the nummia per year coefficient still indicates a coin circulation in Dobrudja, while the next period provides only three specimens, the last one being dated 629/30⁵⁷. The downfall of the limes should therefore be placed around year 615, when the coin circulation ends in the major fortresses of the province: Capidava 612/3⁵⁸, Ibiada 612/3⁵⁹, Argamum 613/4⁶⁰, Acres 613/4⁶¹, Istrus 613/4⁶², Halmyris 613/4⁶³, Aegyssus 613/4⁶⁴, Tomis 613/4⁶⁵, Axiopolis 614/5⁶⁶, Ulmetum 614/5⁶⁷

⁵² For a detailed discussion on the subject see: Al. Madgearu, *BalkSt.*, 37, 1, 1996, p. 49.

⁵³ C. Scorpan, *Date arheologice referitoare la sec. VI-VII pe teritoriul Dobrogei*, Pontica, 5, 1972, p. 358. The stratigraphy drawn by C. Scorpan was disputed by P. Diaconu, *Despre Sacidava și „stratigrafia” ei*, SCIVA, 31, 1980, 1, pp. 123-130.

⁵⁴ H. Nubar in C. Preda and H. Nubar, *op. cit.*, p. 231.

⁵⁵ Th. Isvoranu and Gh. Poenaru Bordea, in *Simpozion de numismatică*, 2003, pp. 157-158.

⁵⁶ Fl. Curta, *AnnIIN*, 43, 1996, p. 164, with just four hoards reported of which three comprise only gold coins. Otherwise, on the territory of Romania only one hoard includes coins from Phocas, found in “Barbaricum” at Obârșeni, Vaslui County; See: I. Dimian, *SCN*, 1, 1957, p. 196; V. Butnariu, *BSNR*, 77-79, 1983-1985, 131-133, p. 230; Fl. Curta, in *AnnIIN*, 43, 1996, p. 168.

⁵⁷ See fn. 2.

⁵⁸ Unpublished, National Museum of History, Bucharest.

⁵⁹ A. Vertan and G. Custurea, *Descoperiri monetare în Dobrogea (X)*, in *Pontica*, 28-29, 1995-1996, p. 318.

⁶⁰ M. Iacob, Gh. Poenaru Bordea in: *Akten-Proceedings-Actes*, II, Berlin, 2000, p. 780-792.

⁶¹ V. Parușev, *op. cit.*, p. 31.

⁶² H. Nubar, *Monede bizantine de la începutul secolului VII și sfârșitul cetății Histria*, *SCN*, 3, 1960, p. 189.

⁶³ Gh. Poenaru Bordea in Al. Suceveanu et al., *op. cit.*, p. 186.

⁶⁴ E. Oberländer-Târnoveanu, *Monede bizantine din secolele VII-X descoperite în nordul Dobrogei*, *SCN*, 7, 1980, p. 163.

⁶⁵ Th. Isvoranu and Gh. Poenaru Bordea, *Simpozion de numismatică*, 2003, p. 154, table 6.

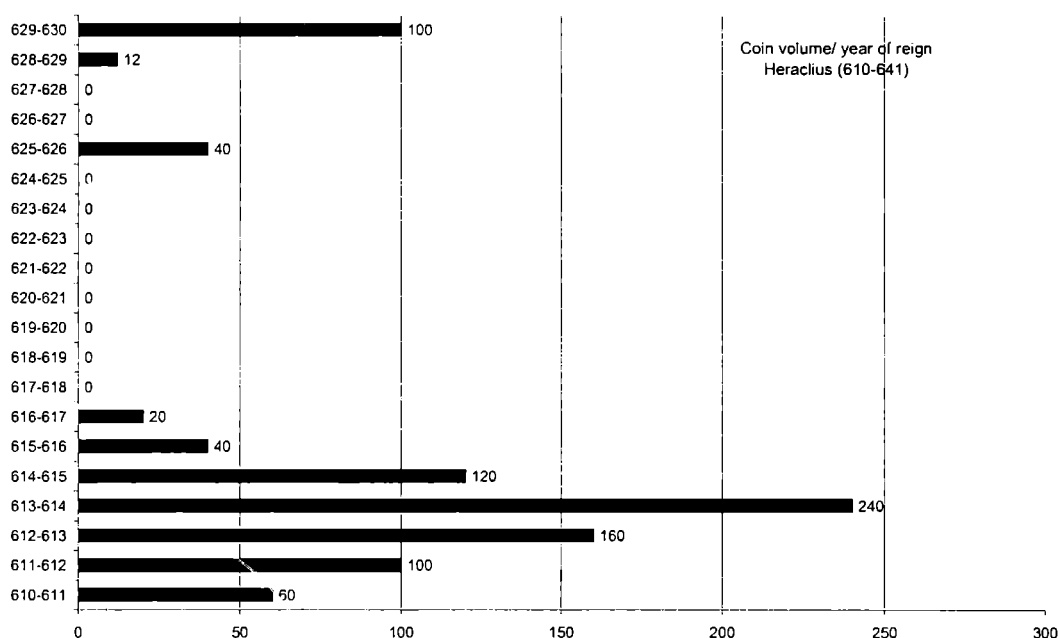
⁶⁶ Gh. Poenaru Bordea and R. Ocheșanu, *Tezaurul de monede bizantine de aur descoperit în săpăturile din anul 1899 de la Axiopolis*, *BSNR*, 78-79, 1983-1985, 131-133, p. 191.

⁶⁷ B. Mitrea, *Découvertes de monnaies antiques et byzantines en Roumanie*, Dacia N. S., 1966, p. 413.

and Sacidava 615/6⁶⁸. In the rural areas the most recent coins, dated 613, come from the settlements at Sinoe⁶⁹ and Topolog⁷⁰.

Judging by the intensity of the coin circulation, the dismantlement started from the last decades of the sixth century, when some of the Scythian fortifications lost their military character, the urban life maintaining only in a few strongholds along the seaside until the first years of Heraclius' reign⁷¹.

The development in Scythia can be ascribed to the political events of the period, reflected in the fluctuations of the coin circulation. The downfall of 615 is taking place at a time when the Persians were ravaging Asia Minor and the important mints of Nicomedia (617/8) and Cyzicus (614/5) were temporarily shut-down⁷². Soon the Slavic tribes launched a powerful offensive in the Balkans reaching its climax with the siege of Constantinople in 626. A short revival occurred in 629-631, which coincides with the emperor's final defeat of the Persians, reflected also in the few specimens from this period found in Dobrudja⁷³. Later developments in coinage during the century did not find any response on the Scythian market, as the province was mostly out of the empire's sphere of influence.



The exchange-rate between copper and gold was mentioned as a more reliable indicator of the coin circulation and the true value of the copper currency present on the market. Based on the

⁶⁸ Antoaneta Vertan, G. Custurea and G. Talmăchi, *Pontica*, 32, 1999, p. 355.

⁶⁹ I. Dimian, *SCN*, 1, 1957, p. 200.

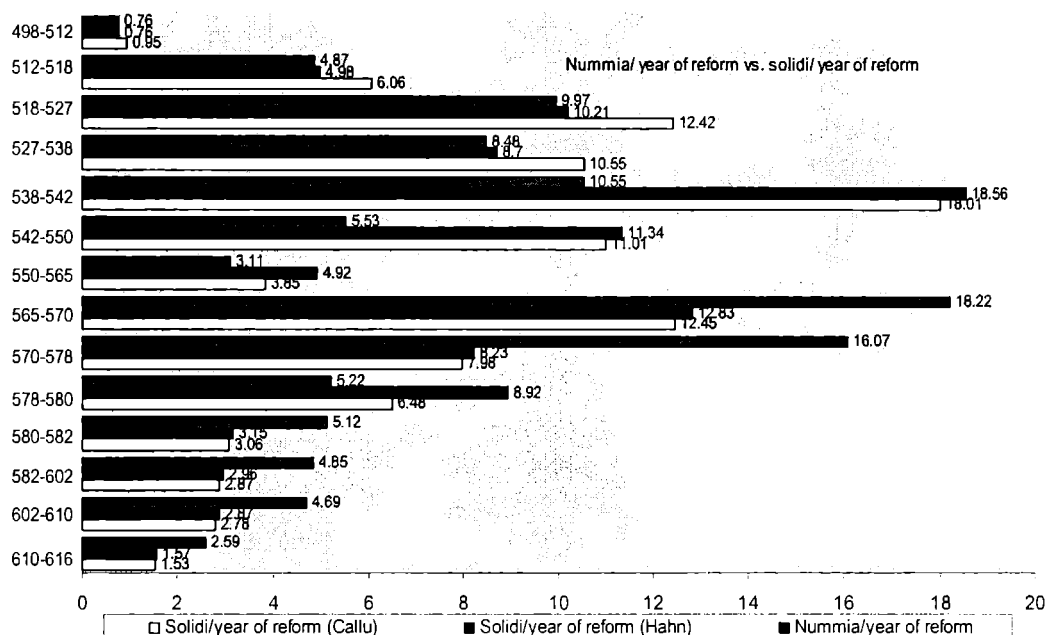
⁷⁰ E. Oberländer-Târnoaveanu, *Peuce*, 14, 2003, p. 376, fn. 119.

⁷¹ Al. Madgearu, *Continuitate și discontinuitate culturală la Dunărea de Jos în secolele VII-VIII*, Bucharest, 1997, pp. 104-107 and fig. 53; Al. Barnea, *Einige Bemerkungen zur Chronologie des Limes an der unteren Donau in spätrömischer Zeit*, *Dacia*, N. S., 34, 1990, pp. 283-290. Coin finds from the sea coast fortresses as Tomis, Callatis or Acres provide a fairly larger number of specimens from both Phocas and Heraclius, proving that the strategic imperial coastline road was still under the Empire's control.

⁷² M. F. Hendy, *op. cit.*, p. 498.

⁷³ E. Oberländer-Târnoaveanu, *Monnaies byzantines des VII^e - X^e siècles découvertes à Silistra dans la collection de l'académicien Périclès Papahagi, conservées au Cabinet des Médailles du Musée National d'Histoire de Roumanie*, *CN*, 7, 1996, p. 104.

theories of W. Hahn and J.-P. Callu⁷⁴, the coin sample from Dobrudja can be divided according to eight monetary reforms, with the results expressed in fractions of the solidus⁷⁵.



The new approach brings a few important changes into discussion. For the interval 498-538 the standing remains fairly balanced, only slightly higher according to Callu, with approximately 2% throughout the period. The peak reached during the reign of Justin I is thus confirmed, surpassing the coefficient from the first stage of Justinian's reign. A spectacular overturning occurs after the reform of the year 538, when Justinian introduced a heavier follis, one of the few occasions in Byzantine history when the face-value of the copper coinage began to approach its bullion-value. Therefore it provides higher coefficients compared to the nummia per year calculation, bringing this reform interval (538-542) on the first place of the overall classification. The coin circulation during Justinian's reign is far more intense than it was expected upon the previous results, which totalized 28.19%, compared to 43.52% (Hahn) or 43.42% (Callu).

The reign of Justin II is characterized by an abundance of currency on the market. The number of folles exchanged for a solidus rises to 525 and then to 720, meaning inflation and economic crisis explained above by the precarious political and financial situation of the Empire. Although with a doubtless progress compared to the disastrous last stage of Justinian's reign, the reform performed by Justin II was not meant to last, as the following period brings gradually lower values.

An ambitious reform is attempted by Tiberius II Constantine who tries to lift the weight of the follis to a previous value of the period 550-565. The Empire is economically incapable of sustaining such an effort and his initiative is brought to a quick end by a new reduction in weight and a debasement in relation to the solidus. The decline is inevitable and within two years the exchange rate reaches 600 folles/ solidus, maintained for the following decades. For the last stage the coefficients drop more severely judging by the folles/ solidus calculus, testifying that Dobrudja was under great threat during its last years under Roman rule.

Another important issue is establishing the presence and proportion of mints to supply the provincial market, judging by a sample of 1294 specimens with a clear mint attribution. A

⁷⁴ See fn. 13. Such an approach was undertaken more than two decades ago concerning the important collection at the Museum in Constantza: Gh. Poenaru Bordea and R. Ocheșanu, *SCIVA*, 3, 1980, pp. 377-396.

⁷⁵ See appendix, table 6-7.

comparison with the results provided by the main fortresses of the province could also prove useful for any fluctuations that might have occurred at certain moments⁷⁶.

Table 4. The coin distribution upon mints.

Mint	No. Of Coins	% No. of Coins	Position	No. of Nummia	% No. of Nummia	Position
Constantinople	767	59.28%	I	23015	63.27%	I
Thessalonica	206	15.92%	II	4096	11.26%	III
Nicomedia	191	14.76%	III	5585	15.35%	II
Cyzicus	63	4.87%	IV	1870	5.14%	IV
Antioch	54	4.17%	V	1545	4.25%	V
Carthage	5	0.39%	VI	90	0.25%	VI
Rome	3	0.23%	VII	30	0.08%	X
Cherson	2	0.15%	VIII	60	0.17%	VII
Alexandria	2	0.15%	VIII	45	0.12%	VIII
Ravenna	1	0.08%	IX	40	0.11%	IX
TOTAL	1294	100%		36376	100%	

The metropolitan mint has the most important presence among the coin finds, followed far behind by the provincial mints of Thessalonica and Nicomedia, equally balanced in terms of number of coins. We should take into account the fact that Thessalonica struck especially half-folles, while Nicomedia issued more folles, therefore Nicomedia being higher ranked in what concerns the number of nummia.

The once extensive system of Roman provincial mints had collapsed by the time of Anastasius' accession, when only Constantinople and Thessalonica remained in business, the latter issuing only gold denominations. The vast majority of coins found in Dobruđa dating from this period are issued by the metropolitan mint (92.30%), assisted by Nicomedia, re-commissioned after the reform of 498, and to a lesser degree by Antioch, opened in 512. No coins struck at Thessalonica are present among the coin finds until the reign of Justinianus, when new copper denominations were created.

The reign of Justin I saw a further extension of the mint system by the re-opening of Cyzicus destined to supply the Diocese Asiana and only with a symbolical presence in Scythia at this point. The Nicomedian mint plays a more important role as shown particularly at Tomis (22.72%), on the Black Sea⁷⁷.

The highest expansion of the provincial mint system was reached during Justinian's long reign when no less than ten mints supplied Scythia⁷⁸, although Constantinople maintains a very high percentage (66.07%). Nevertheless, Nicomedia and even Antioch are more present on the market, while Thessalonica provides only few specimens, usually half-folles dating from the last years of his reign.

Important changes occurred during the reign of Justin II when the market is invaded by half-folles issued at Thessalonica (32.03%), a tendency applied to all the major centres of the province. Later on, the reign of Tiberius II saw a new overturning, Nicomedia taking Thessalonica's place in terms of coin supply, while Antioch becomes more active. During the reign of Maurice, Thessalonica and its half-folles partially regain the former position in a rather balanced classification of the five important mint centres, while for the reign of Phocas we have to notice the important number of coins brought from Cyzicus, unparalleled throughout the period.

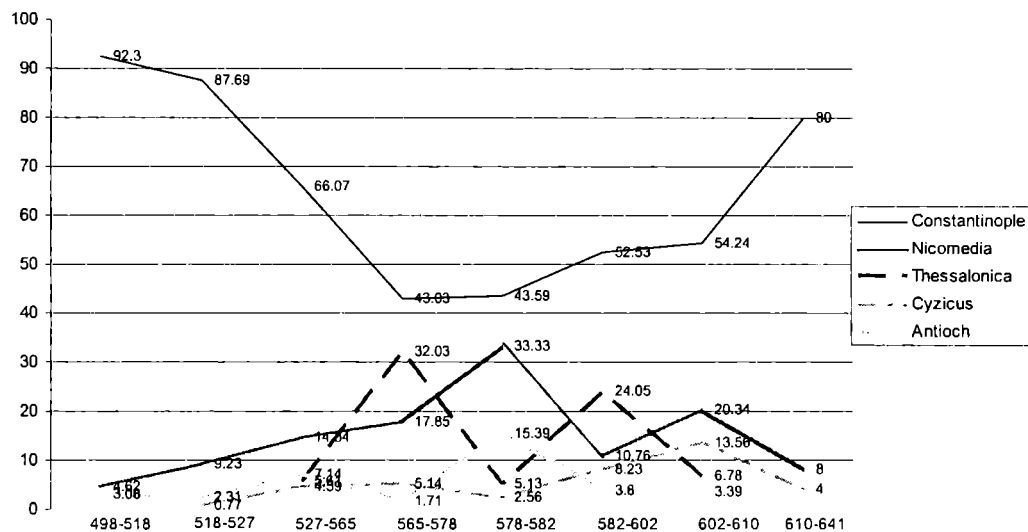
⁷⁶ See appendix, table 4.

⁷⁷ Th. Isvoranu and Gh. Poenaru Bordea, *Simpozion de numismatică*, 2003, p. 154, table 5.

⁷⁸ Added to the nine mints in table 5 is the specimen struck at Cherson from the MNHAC collection.

The troubled times of the first half of the seventh century saw a rapid reduction in the number of mints, first Antioch, then Nicomedia, Cyzicus and Thessalonica, all with a constant presence in Dobrudja throughout the sixth century. The metropolitan mint regains once more its overwhelming percentage (80%) from the beginning of the century.

As a result of the reform of coinage carried out at the end of the fifth century, a whole new range of copper denominations was created as multiples of the basic nummus. Therefore a matter worthy to discuss should be the variety and proportion of various denominations found in Dobrudja. The results are primarily connected with the market demands, but also with some local peculiarities in the mints' activity, sometimes specialized in providing certain denominations as shown above.



In the time of Emperor Anastasius we notice the prevalence of half-folles, a rather common feature throughout the period, Istrus alone providing a larger number of folles⁷⁹. Jumping to the age of Justinian, the most striking would be the large number of dekanumnia (138 sp.), most of them entering Dobrudja during the last ten years of the reign. Even more, at Tomis the number of dekanumnia represents almost half of the entire batch from Justinianus⁸⁰. Smaller denominations also maintain a high percentage at Tomis during the reign of Justin II, when pentanumnia enter the town in great numbers (31.88%) and to a lesser degree in the other fortresses. The reform attempted by Tiberius II insured the presence of small copper in Dobrudja and even of a few scarcer specimens of three-quarter folles. Starting with the reign of Maurice Tiberius, the number of smaller denominations begins to decrease in the coin finds and they finally disappear from the market in the time of Heraclius, when the majority of coins are pieces of forty nummia.

The present survey and its statistical results will eventually be updated after new coin finds and possibly after the publication of some important samples still unpublished after a long time⁸¹. Although the main trends in the coin circulation could still stand in the years to come, further developments might prove valuable in the debate upon the political events underwent at the Lower Danube during its last century under Roman rule. Therefore we must wait for future research to provide answers and to shed more light on the still unclear issues concerning the coin circulation and the history of Dobrudja during the sixth and seventh century.

⁷⁹ Gh. Poenaru Bordea, E. Nicolae and A. Popescu, SCN, 11, 1995, p. 143, table 10.

⁸⁰ Th. Isvoranu and Gh. Poenaru Bordea, *Simpozion de numismatică*, 2003, p. 152, table 2.

⁸¹ R. Ocheșanu, *Monede antice și bizantine descoperite la Tropaeum Traiani*, mss, 1976; Gh. Poenaru Bordea, Al. Popeea, *Monede bizantine din colecția muzeului regional de arheologie Dobrogea*, mss, 1977; Gh. Poenaru Bordea, E. Nicolae, *Catalogul monedelor bizantine din colecția Institutului de Arheologie „Vasile Pârvan”*, mss, 1987.

Table 5. The coin distribution upon mints and issuers.

Mint	Anastasius	Justin I	Justinian I	Justin II	Tiberius II	Maurice	Phocas	Heraclius
Constantinople	92.30%	87.69%	66.07%	43.03%	43.59%	52.53%	54.24%	80%
Thessalonica	-	-	5.61%	32.03%	5.13%	24.05%	6.78%	-
Nicomedia	4.62%	9.23%	14.54%	17.85%	33.33%	10.76%	20.34%	8%
Cyzicus	-	0.77%	4.59%	5.14%	2.56%	8.23%	13.56%	4%
Antioch	3.08%	2.31%	7.14%	1.71%	15.39%	3.80%	3.39%	-
Carthage	-	-	1.02%	-	-	-	1.69%	-
Ravenna	-	-	-	-	-	-	-	4%
Rome	-	-	0.77%	-	-	-	-	-
Alexandria	-	-	0.26%	-	-	-	-	4%
Cherson	-	-	-	0.24%	-	0.63%	-	-
TOTAL	65	130	392	409	39	158	59	25

Table 6. The coin distribution upon denominations and issuers.

EMPEROR	DENOMINATION/ %								
	M	ΛΓ	XXX	K	IS	IB	I	E	TOTAL
Anastasius	42.86%	-	-	51.65%	-	-	-	5.49%	91
Justin I	50%	-	-	41.22%	-	-	4.73%	4.05%	148
Justinian I	47.54%	0.20%	-	20.63%	1.18%	-	27.11%	3.34%	509
Justin II	41.45%	-	-	47.15%	-	-	1.38%	10.02%	509
Tiberius II	57.14%	-	2.38%	23.82%	-	-	9.52%	7.14%	42
Maurice	35.32%	-	-	59.21%	-	-	1.77%	1%	201
Phocas	39.13%	-	1.45%	56.52%	-	-	2.90%	-	69
Heraclius	78.13%	-	-	18.75%	-	3.12%	-	-	32
TOTAL	44.54%	0.06%	0.13%	39.16%	0.37%	0.06%	10.43%	5.25%	1601

The numismatic bibliography for Dobrudja (6th-7th c.)

- Bogdan Cătănicu, I., Poenaru Bordea, Gh., *Un mic tezaur de monede bizantine descoperit la Tropaeum Traiani*, BSNR, 90-91, 1996-1997, p. 85-95;
- Chiriac, C., *Monede grecești, romane și bizantine în Dobrogea*, in Pontica, 16, 1993, p. 329-331;
- Chiriac, C., Bounegru, O., *Noi descoperiri arheologice și numismatice la Troesmis*, in Peuce, 4, 1973-1975, p. 101-103;
- Coja, M., *Cercetări noi în așezarea greco-romană de la Capul Dolojman-Argamum*, in BM1, 41, 1972, 3, p. 33-42;
- Covacef, Z., *Cercetările din sectorul V al cetății Capidava*, in Materiale, Brașov, 1983, p. 361;
- Covacef, Z., *Raport preliminar asupra cercetărilor arheologice din sectorul V al cetății Capidava (campaniile din anii 1975, 1976, 1978 și 1979)*, in Pontica, 13, 1980, p. 187-196;
- Curta, Fl., *Invasion or Inflation? Sixth to Seventh Century Byzantine Coin Hoards in Eastern and Southeastern Europe*, in AnnIIN, 43, 1996, p. 65-224;
- Custurea, G., *Descoperiri arheologice și numismatice pe raza localității Satu Nou (com. Oltina, jud. Constanța)*, in Pontica, 33-34, 2000-2001, p. 583-593;
- Custurea, G., *Unele aspecte privind penetrația monedei bizantine în Dobrogea în secolele VII-X*, in Pontica, 19, 1986, p. 277;
- Custurea, G., Papasima, T., *Monede bizantine descoperite la Păcuiul lui Soare*, in Pontica, 25, 1992, p. 363-380;
- Custurea, G., Vertan, A., Talmațchi, G., *Descoperiri monetare în Dobrogea (XI)*, in Pontica, 30, 1997, p. 371-383;
- Custurea, G., Vertan, A., Talmațchi, G., *Descoperiri monetare în Dobrogea (XII)*, in Pontica, 31, 1998, p. 309-328;
- Custurea, G., Vertan, A., Talmațchi, G., *Descoperiri monetare în Dobrogea (XIII)*, in Pontica, 32, 1999, p. 347-365;
- Dimian, I., *Câteva descoperiri monetare bizantine pe teritoriul RPR*, in SCN, I, 1957, p. 189-216;
- Dobre, M., *Observații asupra circulației monetare de la Durostorum în timpul lui Anastasius*, in CN, 7, 1996, p. 85-90;
- Iacob, M., *Descoperiri monetare la Cloșca (com. Horia, jud. Tulcea)*, in BSNR, 90-91, 1996-1997, 144-145, p. 267-272;
- Iacob, M., Poenaru Bordea, Gh., *Les monnaies des IV^e-VI^e siècles découvertes à Argamum (Scythie Mineure)*, XII. Internationaler Numismatischer Kongress Berlin 1997, Akten-Proceedings-Actes II, Berlin, 2000, p. 780-792;
- Iliescu, O., *Însemnări privitoare la descoperiri monetare*, in SCN, 2, 1958, p. 447-463;
- Isvoranu, Th., Poenaru Bordea, Gh., *Monede bizantine de la Tomis și împrejurimi în colecția Institutului de Arheologie „Vasile Pârvan”*, in Simpozion de Numismatică, 2003, p. 137-161;
- Matei, C., *Câteva monede grecești, romane și bizantine din Dobrogea*, BSNR, 77-79, 1983-1985, 131-133, p. 429-431;
- Mănucu-Adameșteanu, Gh., *Cronica descoperirilor monetare din județul Tulcea*, in Pontica, 26, 1993, p. 266;
- Mănucu-Adameșteanu, Gh., Oberländer-Târnoveanu, E., *Noi dovezi de locuire pe teritoriul actual al satului Enisala în mileniul I e.n.*, in Peuce, 9, 1984, p. 349-354;
- Mănucu-Adameșteanu, Gh., Petac, E., *Monede romane și bizantine descoperite la Nufăru, jud. Tulcea*, in Pontica, 35-36, 2002-2003, p. 426;
- Mănucu-Adameșteanu, M., Poenaru Bordea, Gh., *Mărturii numismatice privind locuirea antică de pe teritoriul satului Sălcioara, com. Unirea, jud. Tulcea*, in BSNR, 86-87, 1992-1993, 140-141, p. 125-133;
- Mitrea, B., *Découvertes de monnaies antiques et byzantines en Roumanie*, in Dacia, N.S., 10, 1966, p. 412-414;
- Mitrea, B., *Découvertes de monnaies antiques et byzantines en Roumanie*, in Dacia, N.S., 14, 1970, 481-482;
- Mitrea, B., *Découvertes récentes et plus anciennes de monnaies antiques et byzantines en Roumanie*, in Dacia, N.S., 15, 1971, p. 412-413;
- Mitrea, B., *Découvertes récentes et plus anciennes de monnaies antiques et byzantines en Roumanie*, in Dacia, N.S., 19, 1975, p. 316;
- Mitrea, B., *Découvertes monétaires en Roumanie*, in Dacia, N.S., 24, 1980, p. 376;
- Mitrea, B., *Descoperiri de monede antice și bizantine în România*, in BSNR, 67-69, 1973-1975, 121-123;
- Mitrea, B., *Monede antice și bizantine descoperite la Păcuiul lui Soare*, in: P. Diaconu, P. Vâlceanu, *Păcuiul lui Soare. Cetatea Bizantină*, I, București, 1972, p. 181-212;
- Mitrea, B., *Monedele și prăbușirea Dinogeției la sfârșitul secolului VI*, in Pontica, 7, 1974, p. 49-72;
- Mitrea, B., *Descoperiri recente și mai vechi de monede antice și bizantine în RPR*, in SCIV, 9, 1958, I, p. 155;
- Mitrea, B., *Descoperiri recente și mai vechi de monede antice și bizantine în RPR*, in SCIV, 10, 1959, I, p. 160;
- Mitrea, B., *Descoperiri recente și mai vechi de monede antice și bizantine în RPR*, in SCIV, 12, 1961, I, p. 472;
- Mitrea, B., *Descoperiri recente și mai vechi de monede antice și bizantine în RPR*, in SCIV, 14, 1963, 2, p. 474;

- Mitrea, B., *Descoperiri recente și mai vechi de monede antice și bizantine în RPR*, in SCIV, 15, 1964, 4, p. 580;
- Mitrea, B., *Descoperiri recente și mai vechi de monede antice și bizantine în RSR*, in SCIV, 17, 1966, 2, p. 424-426;
- Mitrea, B., *Descoperiri recente și mai vechi de monede antice și bizantine în RSR*, in SCIV, 19, 1968, 1, p. 181-182;
- Mitrea, B., *Descoperiri recente și mai vechi de monede antice și bizantine în RSR*, in SCIV, 20, 1969, 1, p. 171;
- Mitrea, B., *Descoperiri recente și mai vechi de monede antice și bizantine în RSR*, in SCIV, 21, 1970, 2, p. 345-346;
- Mitrea, B., *Descoperiri recente și mai vechi de monede antice și bizantine în RSR*, in SCIV, 21, 1971, 2, p. 413;
- Mitrea, B., *Un tezaur de monede bizantine descoperit la Constanța*, in Pontica, 16, 1983, p. 239-262;
- Nicolae, E., *Descoperiri de monede antice și bizantine*, in BSNR, 88-89, 1994-1995, 142-143, p. 269-274;
- Nubar, H. in C. Proda, H. Nubar, *Histria III, Descoperirile monetare: 1914-1970*, București, 1973, p. 198-233;
- Nubar, H., *Monede bizantine de la începutul secolului VII și sfârșitul cetății Histria*, in SCN, 3, 1960, p. 183-195;
- Oberländer-Târnoveanu, E., *Aux origines économiques du Moyen Age au Bas-Danube: Notes sur l'évolution des échanges monétaires dans la zone rurale de Dobruđa et au nord-est de la Bulgarie aux VI^e-X^e siècles*, in *Studia Historica et Theologica. Omagiu prof. Emilian Popescu*, 2003, p. 211-226;
- Oberländer-Târnoveanu, E., *Cronica descoperirilor monetare din Nordul Dobrogei*, in Peuce, 8, 1980, p. 499-513;
- Oberländer-Târnoveanu, E., *La monnaie byzantine des VI^e-VII^e siècles au-delà de la frontière du Bas-Danube: Entre politique, économie et diffusion culturelle*, in *Histoire & Mesure*, XVII-3/4, 2002, p. 155-196;
- Oberländer-Târnoveanu, E., *La monnaie dans l'espace rural byzantin des Balkans Orientaux-un essai de synthèse au commencement du XXI^e siècle*, in Peuce, 14, 2003, p. 341-379;
- Oberländer-Târnoveanu, E., *Monede antice și bizantine descoperite la Troesmis*, in Peuce, 8, 1980, p. 248-280;
- Oberländer-Târnoveanu, E., *Monede bizantine din secolele VII-X descoperite în nordul Dobrogei*, in SCN, 7, 1980, p. 163-165;
- Oberländer-Târnoveanu, E., *Monnaies byzantines des VI^e-X^e siècles découvertes à Silistra dans la collection de l'Académicien Périclès Papahagi conservées au Cabinet des Médailles du Musée National d'Histoire de Roumanie*, in CN, 7, 1996, p. 97-127;
- Oberländer-Târnoveanu, E., Opaiț, C., *Cronica descoperirilor monetare din nordul Dobrogei*, in Peuce, 9, 1984, p. 267-278;
- Oberländer-Târnoveanu, E., Mănușu-Adameșteanu, Gh., *Monede antice și bizantine descoperite la Enisala, județul Tulcea*, in CN, 4, 1982, p. 113-120;
- Ocheșanu, R., *Câteva monede bizantine din secolele VII-XI*, in Pontica, 14, 1981, p. 309-314;
- Ocheșanu, R., *Monede de aur descoperite în Dobrogea*, in SCN, 6, 1975, p. 235-236;
- Ocheșanu, R., *Monede rare și inedite din colecțiile Muzeului de Arheologie Constanța*, in Pontica, 5, 1972, p. 490-494;
- Ocheșanu, R., Dicu, P., *Monede antice și bizantine din Dobrogea*, in BSNR, 75-76, 1981-1982, 129-130, p. 441-456;
- Ocheșanu, R., Papuc, Gh., *Monede grecești, române și bizantine descoperite în Dobrogea (I)*, in Pontica, 5, 1972, p. 467-495;
- Ocheșanu, R., Papuc, Gh., *Monede grecești, române și bizantine descoperite în Dobrogea (II)*, in Pontica, 6, 1973, p. 351-381;
- Ocheșanu, R., Papuc, Gh., *Monede grecești, române și bizantine descoperite în Dobrogea (III)*, in Pontica, 7, 1974, p. 395-415;
- Ocheșanu, R., Papuc, Gh., *Monede grecești, române și bizantine descoperite în Dobrogea (IV)*, in Pontica, 8, 1975, p. 429-446;
- Ocheșanu, R., Papuc, Gh., *Monede grecești, române și bizantine descoperite în Dobrogea (V)*, in Pontica, 9, 1976, p. 215-235;
- Ocheșanu, R., *Tezaurul de monede bizantine descoperit la Tropaeum Traiani în campania arheologică din anul 1908*, in SCN, 11, 1995, p. 163-182;
- Opaiț, A., Opaiț, C., Bănică, T., *Complexul monastic paleocreștin de la Slava Rusă*, in BMI, 59, 1990, 1, p. 18-28;
- Opaiț, C., *Descoperiri monetare în fortificația de la Independența, județul Tulcea*, in Peuce, 10, 1991, p. 457-483;
- Papasima, T., *Monede bizantine din câteva colecții particulare*, in Pontica, 24, 1991, p. 395-397;
- Papasima, T., *Monede bizantine inedite din colecția Muzeului județean Călărași*, in Pontica, 28-29, 1995-1996, p. 279-285;
- Papasima, T., Vertan, A., *Monede romane și bizantine inedite din colecția muzeului constănțean*, in Pontica, 28-29, 1995-1996, p. 271-278;
- Petac, E., *Descoperiri inedite de monede antice și bizantine*, BSNR, 86-87, 1992-1993, 140-141, p. 319-322;
- Petac, E., Ionescu, M., *Descoperiri de monede romane imperiale și bizantine din Dobrogea*, in Simpozion de numismatică, 2002, p. 110;
- Petre, A., *Săpăturile de la Piatra Frecăței*, in Materiale, 8, 1962, p. 579;
- Petrescu-Dâmbovița, M., *Inventarul materialului arheologic de la rezidența regală din Galați*, 1940;
- Poenaru Bordea, Gh., *Monede bizantine de bronz din secolele V-VII în Dobrogea*, in BMI, 1971, p. 51-57;

- Poenaru Bordea, Gh., *Monnaies byzantines des VI^e-VII^e siècles en Dobroudja*, in *Actes de XIV^e Congrès International des études Byzantines*, III, București, 1976, p. 203-214;
- Poenaru Bordea, Gh., *Câteva monede romane și bizantine, descoperite întâmplător la Capidava*, in BSNR, 70-74, 1976-1980, 124-128, p. 247-251;
- Poenaru Bordea, Gh., *Quelques monnaies trouvées à Adamclisi et la fin de Civitas Tropaensium*, in *Dacia*, N.S., 12, 1968, p. 409-411;
- Poenaru Bordea, Gh., *Monede recent descoperite la Histria și unele probleme de circulație monetară în Dobrogea antică*, in *Pontica*, 4, 1971, p. 319-335;
- Poenaru Bordea, Gh., *Note numismatice dobrogene*, in SCN, 4, 1968, p. 397-404;
- Poenaru Bordea, Gh., in Suceveanu, Al., *Fântânele- contribuții la studiul vieții rurale în Dobrogea romană*, ed. Academiei, Bucharest, 1998;
- Poenaru Bordea, Gh., in: Al. Suceveanu, *Histria VI, Les thermes romains*, Bucharest, 1982, p. 154-158;
- Poenaru-Bordea, Gh., in Al. Suceveanu, Al., Zahariade, M., Topoleanu, F., Poenaru-Bordea, Gh., *Halmyris*, I, Nereamia Napocae, Cluj-Napoca, 2003, p. 142-189;
- Poenaru Bordea, Gh., Baumann, V. H., *Monede romane și bizantine provenite din nordul Dobrogei*, in *Peuce*, 4, 1973-1975, p. 153-167;
- Poenaru Bordea, Gh., Dicu, P. I., *Monede din secolele II-XII descoperite la Niculțel, jud. Tulcea*, in BSNR, 88-89, 1994-1995, 142-143, p. 33-64;
- Poenaru Bordea, Gh., Dicu, P. I., *Informații suplimentare privind descoperirile monetare romane și bizantine de la Sâlcioara și Enisala, jud. Tulcea*, in *Istro-Pontica. Muzeul tulcean la a 50-a aniversare 1950-2000. Omagiu lui Gavrilă Simion la 45 de ani de activitate 1955-2000*, Tulcea, 2000, p. 421-440;
- Poenaru Bordea, Gh., Donoiu, I., *Contribuții la studiul pătrunderii monedelor bizantine în Dobrogea în secolele VII-X*, in BSNR, 75-76, 1981-1982, 129-130, p. 237-251;
- Poenaru Bordea, Gh., Mitrea, B., *Découvertes monétaires en Roumanie*, in *Dacia*, N.S., 33, 1989, p. 265;
- Poenaru Bordea, Gh., Mitrea, B., *Découvertes monétaires en Roumanie*, in *Dacia*, N.S., 34, 1990, p. 307;
- Poenaru Bordea, Gh., Nicolae, E., *Minimi din tezaurul descoperit la Constanța în cartierul Anadolchioi*, in BSNR, 80-85, 1986-1991, 134-139, p. 101-115;
- Poenaru Bordea, Gh., Nicolae, E., *Quelques monnaies decouvertes a Tropaeum Traiani*, in Stephanos nomismatikos, Edith Schönert-Geiss zum 65 Geburtstag, Berlin, 1998, p. 530-538.
- Poenaru Bordea, Gh., Nicolae, E., Popescu, A., *Contributions numismatiques à l'histoire de Noviodunum aux VI^e-VII^e siècles*, in SCN, 11, 1995, p. 135-161;
- Poenaru Bordea, Gh., Ocheșanu, R., *Probleme istorice dobrogene (secolele VI-VII) în lumina monedelor bizantine din colecția Muzeului de Istorie Națională și Arheologie din Constanța*, in SCIVA, 3, 1980, p. 377-396;
- Poenaru Bordea, Gh., Ocheșanu, R., *Un tezaur de denari romani din secolul I p.Chr. de la Rachelu și câteva descoperiri monetare izolate din comuna Luncavița, jud. Tulcea*, in BSNR, 86-87, 1992-1993, 140-141, p. 77-94;
- Poenaru Bordea, Gh., Ocheșanu, R., *Tezaurul de monede bizantine de aur descoperit în săpăturile din anul 1899 de la Axiopolis*, BSNR, 77-79, 1983-1985, 131-133, p. 177-197;
- Poenaru Bordea, Gh., Ocheșanu, R., Nicolae, E., *Axiopolis aux III^e-VII^e siècles de n.è. à la lumière des découvertes monétaires*, SCN, 9, 1989, p. 71-72;
- Poenaru Bordea, Gh., Ocheșanu, R., Popescu, A., *Monede grecești, romane și bizantine din Dobrogea în colecția muzeului din Brăila*, in SCN, 12, 1998, p. 83-117;
- Poenaru Bordea, Gh., Popa, C., *Câteva monede antice și bizantine din sudul Dobrogei*, in BSNR, 70-74, 1976-1980, 124-128, p. 643;
- Poenaru, Gh., Popeea, Al., *Monedele bizantine dintr-o colecție formată la Constanța*, in SCIVA, 2, 1976, 2, p. 215-229;
- Popeea, Al., *Câteva monede bizantine*, in BSNR, 67-69, 1973-1975, 121-123;
- Popeea, Al., *Monede bizantine din nordul Dobrogei*, in *Peuce*, 4, 1973-1975, p. 175-196;
- Popescu, A., *Câteva monede romane și bizantine timpurii de la Murighiol, jud. Tulcea*, in BSNR, 88-89, 1994-1995, 142-143, p. 285-289;
- Popescu, A., Iacob, M., Georgescu, I., *Monede grecești, romane și bizantine timpurii din colecția Ioan Georgescu, Tulcea*, in CN, 7, 1996, p. 94;
- Popescu, A., Ionescu, M., *Monede grecești, romane și bizantine descoperite în Dobrogea*, in BSNR, 86-87, 1992-1993, 140-141, p. 323-328;
- Popescu, E., *Descoperirile arheologice de la Lazu, jud. Constanța*, in StCl, 7, 1965, p. 251-261;

- Preda, C., *Scurtă privire asupra descoperirilor monetare bizantine din Dobrogea*, in BSNR, 90-91, 1996-1997, 144-145, p. 97-126;
- Vâlceanu, D., Barnea, Al., *Ceramica lucrată cu mâna la Piatra-Frecăței*, in SCIVA, 26, 1975, p. 209-218;
- Vertan, A., Custurea, G., *Descoperiri monetare în Dobrogea (I)*, in Pontica, 12, 1979, p. 229-246;
- Vertan, A., Custurea, G., *Descoperiri monetare în Dobrogea (II)*, in Pontica, 13, 1980, p. 347-366;
- Vertan, A., Custurea, G., *Descoperiri monetare în Dobrogea (III)*, in Pontica, 14, 1981, p. 331-356;
- Vertan, A., Custurea, G., *Descoperiri monetare în Dobrogea (IV)*, in Pontica, 15, 1982, p. 275-292;
- Vertan, A., Custurea, G., *Descoperiri monetare în Dobrogea (V)*, in Pontica, 16, 1983, p. 301-323;
- Vertan, A., Custurea, G., *Descoperiri monetare în Dobrogea (VI)*, in Pontica, 17, 1984, p. 245-256;
- Vertan, A., Custurea, G., *Descoperiri monetare în Dobrogea (VII)*, in Pontica, 19, 1986, p. 297-308;
- Vertan, A., Custurea, G., *Descoperiri monetare în Dobrogea (VIII)*, in Pontica, 21-22, 1988-1989, p. 369-390;
- Vertan, A., Custurea, G., *Descoperiri monetare în Dobrogea (IX)*, in Pontica, 25, 1992, p. 380-398;
- Vertan, A., Custurea, G., *Descoperiri monetare în Dobrogea (X)*, in Pontica, 28-29, 1995-1996, p. 309-321;
- Vîlcu, A., Popescu, A., *O monedă de aur din timpul împăratului Mauricius Tiberius descoperită la Babadag, jud. Tulcea*, in BSNR, 92-98, 1998-2003, 146-151, p. 405.

CATALOGUE

A. STRAY / SINGLE FINDS

1. ADAMCLISI - TROPAEUM TRAJANI (Constantza County)

Anastasius I - 1M (CON)⁸²+1K (CON)⁸³. **Justin I** - 2K (CON)⁸⁴. **Justinian I** - 2M (CON)⁸⁵+1K (CON)⁸⁶+5I (CON)⁸⁷+1E (CON)⁸⁸+1K (THE)⁸⁹+1I (NIC)⁹⁰+1M (CYZ)⁹¹+1K⁹². **Justinian I or Maurice Tiberius** - 1I (NIC)⁹³. **Justin II** - 2 solidi (CON)⁹⁴+1 tremissis (CON)⁹⁵+5M (CON)⁹⁶+1K (CON)⁹⁷+1E (CON)⁹⁸+3K (THE)⁹⁹+1K (NIC)¹⁰⁰. **Tiberius II Constantine** - 1 solidus (CON)¹⁰¹+1 tremissis (CON)¹⁰². **Maurice Tiberius** - 2M (CON)¹⁰³+3K (THE)¹⁰⁴. **Phocas** - 1K (ANT)¹⁰⁵.

⁸² Antoaneta Vertan, G. Custurea and G. Talmațchi, *Descoperiri monetare în Dobrogea (XII)*, Pontica, 31, 1998, p. 316.

⁸³ Antoaneta Vertan and G. Custurea, *Descoperiri monetare în Dobrogea (IX)*, Pontica, 25, 1992, p. 383.

⁸⁴ Ibidem, Pontica, *Descoperiri monetare în Dobrogea (II)*, 13, 1980, p. 355 (1 sp.); Ibidem, Pontica, 25, 1992, p. 383 (1 sp.).

⁸⁵ R. Ocheșanu and Gh. Papuc, *Monede grecești, romane și bizantine descoperite în Dobrogea (II)*, Pontica, 6, 1973, p. 375 (1 sp.); Antoaneta Vertan and G. Custurea, *Descoperiri monetare în Dobrogea (VII)*, Pontica, 19, 1986, p. 300 (1 sp.).

⁸⁶ Antoaneta Vertan and G. Custurea, Pontica, 25, 1992, p. 383.

⁸⁷ Gh. Poenaru Bordea, Dacia, N. S., 12, 1968, p. 410 (2 sp.); Antoaneta Vertan and G. Custurea, Pontica, 13, 1980, p. 355 (1 sp.); Ibidem, Pontica, 25, 1992, p. 383 (1 sp.); Ibidem and G. Talmațchi, *Descoperiri monetare în Dobrogea (XI)*, Pontica, 30, 1997, p. 376 (1 sp.).

⁸⁸ Antoaneta Vertan and G. Custurea, Pontica, 25, 1992, p. 383.

⁸⁹ Ibidem and G. Talmațchi, Pontica, 31, 1998, p. 316.

⁹⁰ Antoaneta Vertan and G. Custurea, Pontica, 13, 1980, p. 355.

⁹¹ Ibidem, p. 355.

⁹² Gh. Poenaru Bordea, Dacia, N. S., 12, 1968, p. 410.

⁹³ R. Ocheșanu and Gh. Papuc, *Monede grecești, romane și bizantine descoperite în Dobrogea (I)*, Pontica, 5, 1972, p. 477.

⁹⁴ R. Ocheșanu, *Monede de aur descoperite în Dobrogea*, SCN, 6, 1975, p. 235-236 (1 sp.); Idem, *Monede rare și inedite din colecțiile Muzeului de Arheologie Constanța*, Pontica, 5, 1972, pp. 490-494 (1 sp.).

⁹⁵ R. Ocheșanu and Gh. Papuc, *Monede grecești, romane și bizantine descoperite în Dobrogea (IV)*, Pontica, 8, 1975, p. 443.

⁹⁶ R. Ocheșanu, Pontica, 5, 1972, p. 494 (1 sp.); Idem and Gh. Papuc, Pontica, 5, 1972, p. 478 (1 sp.); Antoaneta Vertan and G. Custurea, Pontica, 13, 1980, p. 355 (1 sp.); Antoaneta Vertan and G. Custurea, Pontica, 25, 1992, p. 383 (1 sp.); Ibidem and G. Talmațchi, Pontica, 31, 1998, p. 316 (1 sp.).

⁹⁷ R. Ocheșanu and Gh. Papuc, Pontica, 6, 1973, p. 376.

⁹⁸ Antoaneta Vertan and G. Custurea, Pontica, 25, 1992, p. 383.

⁹⁹ Ibidem, Pontica, 13, 1980, p. 355 (1 sp.); Ibidem, *Descoperiri monetare în Dobrogea (III)*, Pontica, 14, 1981, p. 341 (1 sp.); Ibidem, Pontica, 25, 1992, p. 384 (1 sp.).

¹⁰⁰ Ibidem, Pontica, 25, 1992, p. 384.

¹⁰¹ R. Ocheșanu, SCN, 6, 1975, p. 236.

¹⁰² Gh. Poenaru Bordea and R. Ocheșanu, BSNR, 77-79, 1983-1985, 131-133, p. 193.

¹⁰³ R. Ocheșanu and Gh. Papuc, Pontica, 6, 1973, p. 376 (1 sp.); Gh. Poenaru Bordea, Dacia, N. S., 12, 1968, p. 410 (1 sp.).

¹⁰⁴ Antoaneta Vertan and G. Custurea, Pontica, 25, 1992, p. 384 (3 sp.).

¹⁰⁵ Ibidem, *Descoperiri monetare în Dobrogea (IV)*, Pontica, 15, 1982, p. 281.

2. **ARGAMUM (Jurilovca, Constantza County)**
Anastasius I - 2M¹⁰⁶+1K. Justin I - 1M (CON)¹⁰⁷+2M+6K. Justinian I - 15M+ 10K+22I. Justin II - 1M (CON)¹⁰⁸+22M+9K. Tiberius II Constantine - 1M+1K +2E. Maurice Tiberius - 11M+9K. Phocas - 2M+4K. Heraclius - 3M+1K.
3. **ARSA (Albești, Constantza County)**
Justinian I - 1K (ANT)¹⁰⁹.
4. **AXIOPOLIS (Hinog, Cernavodă, Constantza County)**
Anastasius I - 1 tremissis (CON)¹¹⁰. Justin I - 1M (CON)¹¹¹+1E¹¹². Justinian I - 3M (CON)¹¹³+2K (CON)¹¹⁴+1I (CON)¹¹⁵+2I (NIC)¹¹⁶+1K (CYZ)¹¹⁷+1M (ANT)¹¹⁸ + 1E¹¹⁹. Justin II - 5M (CON)¹²⁰+1K (THE)¹²¹+1E (NIC)¹²². Maurice Tiberius - 1M (NIC)¹²³. Phocas - 1K (CON)¹²⁴. Heraclius - 1 tremissis¹²⁵+1M (CON)¹²⁶+1M (NIC)¹²⁷.
5. **BABADAG (Tulcea County)**
Justinian I - 1 AE¹²⁸. Justin II - 2 AE¹²⁹. Maurice Tiberius - 1 tremissis (CON)¹³⁰.
6. **BĂNEASA (Constantza County)**
Justin I - 1M (CON)¹³¹.
7. **BĂRĂGANU (Cumpăna, Constantza County)**
Justin I - 1M (CON)¹³². Justinian I - 1M (CON)¹³³.
8. **BEILIC (Viile, Constantza County)**
Anastasius I - 1K (CON)¹³⁴.
9. **CANLIA (Lipnița, Constantza County)**
Justinian I - 1M (CON)¹³⁵.

¹⁰⁶ M. Iacob, Gh. Poenaru Bordea, *Les monnaies des IV^e-VII^e siècles découvertes à Argamum (Scythie Mineure)*, in XII. Internationaler Numismatischer Kongress Berlin 1997, Akten-Proceedings-Actes, II, 2000, p. 791, without a catalogue of finds. For the statistical results see table VII, p. 791.

¹⁰⁷ Antoaneta Vertan and G. Custurea, *Descoperiri monetare în Dobrogea (X)*, Pontica, 28-29, 1995-1996, p. 315.

¹⁰⁸ *Ibidem*, p. 315.

¹⁰⁹ A. Popescu and M. Ionescu, *Monede grecești, romane și bizantine descoperite în Dobrogea*, BSNR, 86-87, 1992-1993, 140-141, p. 323.

¹¹⁰ I. Dimian, SCN, I, 1957, p. 195.

¹¹¹ Gh. Poenaru Bordea, R. Ocheșanu and E. Nicolae, *Axiopolis aux III^e-VII^e siècles de n.è. à la lumière des découvertes monétaires*, SCN, 9, p. 71.

¹¹² *Ibidem*, p. 71.

¹¹³ *Ibidem*, p. 71-72 (2 sp.); Gh. Poenaru Bordea and R. Ocheșanu, BSNR, 77-79, 1983-1985, 131-133, p. 191 (1 sp.)

¹¹⁴ Gh. Poenaru Bordea, R. Ocheșanu and E. Nicolae, SCN, 9, pp. 71-72 (2 sp.).

¹¹⁵ Gh. Poenaru Bordea and R. Ocheșanu, BSNR, 77-79, 1983-1985, 131-133, p. 191.

¹¹⁶ *Ibidem*, p. 191 (1 sp.); Gh. Poenaru Bordea, R. Ocheșanu and E. Nicolae, SCN, 9, p. 72 (1 sp.).

¹¹⁷ Gh. Poenaru Bordea, R. Ocheșanu and E. Nicolae, SCN, 9, pp. 71-72.

¹¹⁸ *Ibidem*, p. 72.

¹¹⁹ *Ibidem*, p. 72.

¹²⁰ *Ibidem*, p. 72 (3 sp.); Gh. Poenaru Bordea and R. Ocheșanu, BSNR, 77-79, 1983-1985, 131-133, p. 191 (2 sp.).

¹²¹ Gh. Poenaru Bordea, R. Ocheșanu and E. Nicolae, SCN, 9, p. 72.

¹²² *Ibidem*, p. 72.

¹²³ B. Mitrea, *Descoperiri recente și mai vechi de monede antice și bizantine în RPR*, SCIV, 14, 1963, 2, p. 474

¹²⁴ Gh. Poenaru Bordea, R. Ocheșanu and E. Nicolae, SCN, 9, p. 72.

¹²⁵ I. Dimian, SCN, I, 1957, p. 195.

¹²⁶ Gh. Poenaru Bordea and R. Ocheșanu, BSNR, 77-79, 1983-1985, 131-133, p. 191.

¹²⁷ *Ibidem*, E. Nicolae, SCN, 9, p. 72.

¹²⁸ E. Oberländer-Târnoveanu, Peuce, 14, 2003, p. 375, fn 86.

¹²⁹ *Ibidem*, p. 375, fn. 86 (2 sp.).

¹³⁰ A. Vilcu and A. Popescu, *O monedă de aur din timpul împăratului Mauricius Tiberius descoperită la Babadag*, BSNR, 92-98, 1998-2003, 146-151, p. 405.

¹³¹ Gh. Poenaru Bordea, *Note numismatice dobrogene*, SCN, 4, 1968, p. 399.

¹³² Antoaneta Vertan, G. Custurea and G. Talmațchi, Pontica, 31, 1998, p. 316.

¹³³ *Ibidem*, p. 316.

¹³⁴ R. Ocheșanu and Gh. Papuc, Pontica, 6, 1973, p. 376.

¹³⁵ B. Mitrea, *Descoperiri recente și mai vechi de monede antice și bizantine în RSR*, SCIV, 21, 1970, 2, p. 345.

10. CAPIDAVA (Topalu, Constantza County)

Anastasius I - 2M (CON)¹³⁶+3K (CON)¹³⁷. **Justin I** - 8M (CON)¹³⁸+2K (CON)¹³⁹+1M (NIC)¹⁴⁰. **Justin I and Justinian I** - 1M (CON)¹⁴¹. **Justinian I** - 6M (CON)¹⁴²+3K (CON)¹⁴³+2I (CON)¹⁴⁴+2M (NIC)¹⁴⁵+1K (NIC)¹⁴⁶+1I (NIC)¹⁴⁷+1M (CYZ)¹⁴⁸+1K (ANT)¹⁴⁹+1M¹⁵⁰+1K¹⁵¹. **Justin II** - 13M (CON)¹⁵²+1K (CON)¹⁵³+9K (THE)¹⁵⁴+1I (THE)¹⁵⁵+4M (NIC)¹⁵⁶+1M (CYZ)¹⁵⁷+1K (CYZ)¹⁵⁸+1M¹⁵⁹+4K¹⁶⁰. **Tiberius II Constantine** - 1XXX (CON)¹⁶¹+1K (NIC)¹⁶². **Maurice Tiberius** -3M (CON)¹⁶³+ 1E (CON)¹⁶⁴+3K (THE)¹⁶⁵+1M (NIC)¹⁶⁶. **Phocas** - 1M (CON)+1XXX (NIC)¹⁶⁷.

11. CAPE ȘABLA (Dobrici, BUL)

Anastasius I - 1 tremissis (CON)¹⁶⁸

12. CARSUUM (Hârșova, Constantza County)

Anastasius I - 3M (CON)¹⁶⁹. **Justin I** - 1M (CON)¹⁷⁰+1K (CON)¹⁷¹+1I (CON)¹⁷²+1K (NIC)¹⁷³.

¹³⁶ Antoaneta Vertan and G. Custurea, *Descoperiri monetare în Dobrogea (VIII)*, Pontica, 21-22, 1988-1989, pp. 378-380 (2 sp.).

¹³⁷ *Ibidem*, p. 378-380 (2 sp.); Antoaneta Vertan, G. Custurea and G. Talmațchi, Pontica, 30, 1997, p. 377 (1 sp.).

¹³⁸ Antoaneta Vertan and G. Custurea, Pontica, 21-22, 1988-1989, p. 378-380 (5 sp.); *idem* and G. Talmațchi, Pontica, 30, 1997, p. 377-388 (1 sp.); *idem*, Pontica, 31, 1998, pp. 316-317 (2 sp.).

¹³⁹ Antoaneta Vertan and G. Custurea, Pontica, 21-22, 1988-1989, pp. 378-380 (2 sp.).

¹⁴⁰ *idem* and G. Talmațchi, Pontica, 30, 1997, p. 377.

¹⁴¹ *idem*, Pontica, 32, 1999, p. 359.

¹⁴² Antoaneta Vertan and G. Custurea, Pontica, 15, 1982, p. 282 (1 sp.); *idem*, Pontica, 21-22, 1988-1989, pp. 378-380 (2 sp.); *idem* and G. Talmațchi, Pontica, 30, 1997, p. 377 (2 sp.); *idem*, Pontica, 32, 1999, p. 351 (1 sp.).

¹⁴³ Z. Covacef, Pontica, 13, p. 270-273 (1 sp.); Antoaneta Vertan, G. Custurea and G. Talmațchi, Pontica, 30, 1997, p. 377 (1 sp.); *idem*, Pontica, 32, 1999, p. 351 (1 sp.).

¹⁴⁴ Antoaneta Vertan, G. Custurea and G. Talmațchi, Pontica, 32, 1999, p. 351 (2 sp.).

¹⁴⁵ Antoaneta Vertan and G. Custurea, Pontica, 15, 1982, p. 282 (1 sp.); *idem*, Pontica, 21-22, 1988-1989, pp. 378-380 (1 sp.);

¹⁴⁶ *idem*, Pontica, 15, 1982, p. 282.

¹⁴⁷ *idem*, Pontica, 21-22, 1988-1989, pp. 378-380.

¹⁴⁸ *idem* and G. Talmațchi, Pontica, 30, 1997, p. 377.

¹⁴⁹ *idem*, Pontica, 32, 1999, p. 351.

¹⁵⁰ Z. Covacef, *Cercetările din sectorul V al cetății Capidava*, Materiale, Brașov, 1983, pp. 361-362.

¹⁵¹ *Ibidem*, p. 361-362.

¹⁵² *Eadem*, *Raport preliminar asupra cercetărilor arheologice din sectorul V al cetății Capidava (campaniile din anii 1975, 1976, 1978 și 1979)*, Pontica, 13, pp. 270-273 (1 sp.); Antoaneta Vertan and G. Custurea, Pontica, 15, 1982, p. 282 (2 sp.); *idem*, Pontica, 21-22, 1988-1989, pp. 378-380 (3 sp.); *idem*, Pontica, 25, 1992, p. 386 (1 sp.); *idem* and G. Talmațchi, Pontica, 30, 1997, p. 377 (4 sp.); *idem*, Pontica, 32, 1999, p. 351 (2 sp.).

¹⁵³ Antoaneta Vertan, G. Custurea and G. Talmațchi, Pontica, 30, 1997, p. 377.

¹⁵⁴ Z. Covacef, Pontica, 13, pp. 270-273 (2 sp.); Antoaneta Vertan and G. Custurea, Pontica, 13, 1980, p. 355 (2 sp.); *idem*, Pontica, 21-22, 1988-1989, pp. 378-380 (4 sp.); *idem* and G. Talmațchi, Pontica, 30, 1997, p. 377 (1 sp.).

¹⁵⁵ Antoaneta Vertan and G. Custurea, Pontica, 25, 1992, p. 386.

¹⁵⁶ *idem*, Pontica, 21-22, 1988-1989, pp. 378-380 (2 sp.); *idem*, Pontica, 28-29, 1995-1996, p. 315 (1 sp.); *idem*, 32, 1999, p. 351 (1 sp.).

¹⁵⁷ *idem*, Pontica, 21-22, 1988-1989, pp. 378-380.

¹⁵⁸ *Ibidem*, pp. 378-380.

¹⁵⁹ Z. Covacef, Materiale, Brașov, 1983, pp. 361-362.

¹⁶⁰ *Ibidem*, p. 361-362 (1 sp.); *eadem*, Pontica, 13, p. 270-273 (1 sp.); Antoaneta Vertan, G. Custurea and G. Talmațchi, Pontica, 30, 1997, p. 377.

¹⁶¹ Antoaneta Vertan and G. Custurea, Pontica, 21-22, 1988-1989, pp. 378-380.

¹⁶² *idem* and G. Talmațchi, Pontica, 30, 1997, p. 377.

¹⁶³ Antoaneta Vertan and G. Custurea, Pontica, 21-22, 1988-1989, pp. 378-380 (2 sp.); *idem* and G. Talmațchi, Pontica, 30, 1997, p. 377 (1 sp.).

¹⁶⁴ Antoaneta Vertan, G. Custurea and G. Talmațchi, Pontica, 32, 1999, p. 351.

¹⁶⁵ Antoaneta Vertan and G. Custurea, Pontica, 21-22, 1988-1989, pp. 378-380 (2 sp.); *idem*, Pontica, 25, 1992, p. 386 (1 sp.).

¹⁶⁶ *idem*, Pontica, 21-22, 1988-1989, pp. 378-380.

¹⁶⁷ *Ibidem*, p. 378-380.

¹⁶⁸ R. Ocheșanu, BSNR, 77-79, 1983-1985, 131-133, p. 192.

¹⁶⁹ Antoaneta Vertan and G. Custurea, Pontica, 19, 1986, pp. 300-301 (1 sp.); *idem* and G. Talmațchi, Pontica, 30, 1997, p. 379 (1 sp.); *idem*, Pontica, 32, 1999, p. 352 (1 sp.).

¹⁷⁰ Antoaneta Vertan and G. Custurea, Pontica, 32, 1999, p. 352.

¹⁷¹ R. Ocheșanu and Gh. Papuc, Pontica, 6, 1973, p. 378.

¹⁷² Antoaneta Vertan and G. Custurea, Pontica, 19, 1986, pp. 300-301.

¹⁷³ *Ibidem*, pp. 300-301.

Justinian I - 3M (CON)¹⁷⁴. **Justin II** - 7K (THE)¹⁷⁵+1M (NIC)¹⁷⁶+1K (NIC)¹⁷⁷+1E (ANT)¹⁷⁸. **Tiberius II Constantine** - 1M (CON)¹⁷⁹+1I (CON)¹⁸⁰. **Maurice Tiberius** - 1K (CON)¹⁸¹+1K (NIC)¹⁸²+1M (CYZ)¹⁸³.

13. CERNA (Tulcea County)

Justinian I - 1M (CON)¹⁸⁴.

14. CETATEA (Dobromir, Constantza County)

Justinian I - 1K (THE)¹⁸⁵.

15. CLOȘCA (Horia, Tulcea County)

Justinian I - 1I (CON)¹⁸⁶.

16. CIUCUROVA (Slava Cecheză, Tulcea County)

Justin I - 1K (CON)¹⁸⁷.

17. CONSTANTZA-TOMIS

Anastasius I - 2M (CON)¹⁸⁸+6K (CON)¹⁸⁹+1E (NIC)¹⁹⁰. **Justin I** - 10M (CON)¹⁹¹+4K (CON)¹⁹²+1E (CON)¹⁹³+2M (NIC)¹⁹⁴+3K (NIC)¹⁹⁵+1K (ANT)¹⁹⁶+1K¹⁹⁷. **Justin I and Justinian I** - 1M (CON)¹⁹⁸. **Justinian I** - 13M (CON)¹⁹⁹+4K (CON)²⁰⁰+18I (CON)²⁰¹+4E (CON)²⁰²+5K (THE)²⁰³+1K (NIC)²⁰⁴.

¹⁷⁴ *Ibidem*, pp. 300-301 (3 sp.).

¹⁷⁵ *Ibidem*, pp. 300-301 (7 sp.).

¹⁷⁶ C. Chiriac, Pontica, 16, 1983, p. 329.

¹⁷⁷ R. Ocheșanu and Gh. Papuc, Pontica, 5, 1972, p. 478.

¹⁷⁸ Antoaneta Vertan and G. Custurea, Pontica, 14, 1981, pp. 341-342.

¹⁷⁹ *Ibidem*, pp. 341-342.

¹⁸⁰ *Ibidem*, Pontica, 19, 1986, pp. 300-301.

¹⁸¹ *Ibidem*, pp. 300-301.

¹⁸² Antoaneta Vertan, G. Custurea and G. Talmațchi, Pontica, 32, 1999, p. 352.

¹⁸³ Antoaneta Vertan and G. Custurea, Pontica, 19, 1986, pp. 300-301.

¹⁸⁴ E. Oberländer-Tâmoveanu and Cristina Opaț, *Cronica descoperirilor monetare din nordul Dobrogei*, Peuce, 9, 1984, p. 274.

¹⁸⁵ E. Petac and M. Ionescu, *Descoperiri de monede romane imperiale și bizantine din Dobrogea, Simpozion de numismatică*, 2002, p. 110.

¹⁸⁶ M. Iacob, *Descoperiri monetare la Cloșca (com. Horia, jud. Tulcea)*, BSNR, 90-91, 1996-1997, 144-145, p. 268.

¹⁸⁷ Gh. Poenaru Bordea, SCN, 4, 1968, p. 400.

¹⁸⁸ *Idem* and Al. Popea, *Monedele bizantine dintr-o colecție formată la Constanța*, SCIVA, 27, 1976, 2, p. 215 (1 sp.); Antoaneta Vertan, G. Custurea and G. Talmațchi, Pontica, 30, 1997, p. 378 (1 sp.).

¹⁸⁹ Gh. Poenaru Bordea and Al. Popea, SCIVA, 27, 1976, 2, p. 215-216 (4 sp.); Th. Isvoranu and Gh. Poenaru Bordea, *Simpozion de numismatică*, 2003, p. 138 (2 sp.).

¹⁹⁰ Th. Isvoranu and Gh. Poenaru Bordea, *Simpozion de numismatică*, 2003, p. 138.

¹⁹¹ *Ibidem*, p. 138 (4 sp.); Gh. Poenaru Bordea and Al. Popea, SCIVA, 27, 1976, 2, pp. 215, 220 (3 sp.); R. Ocheșanu and Gh. Papuc, Pontica, 7, 1974, p. 412 (1 sp.); Antoaneta Vertan, G. Custurea and G. Talmațchi, Pontica, 30, 1997, p. 379 (1 sp.); *Idem*, Pontica, 31, 1998, p. 317 (1 sp.).

¹⁹² Gh. Poenaru Bordea and Al. Popea, SCIVA, 27, 1976, 2, p. 216 (4 sp.).

¹⁹³ Th. Isvoranu and Gh. Poenaru Bordea, *Simpozion de numismatică*, 2003, p. 138.

¹⁹⁴ Gh. Poenaru Bordea and Al. Popea, SCIVA, 27, 1976, 2, pp. 216, 220 (2 sp.).

¹⁹⁵ *Ibidem*, p. 216 (3 sp.).

¹⁹⁶ *Ibidem*, p. 216.

¹⁹⁷ *Ibidem*, p. 216.

¹⁹⁸ A. Popescu and M. Ionescu, BSNR, 86-87, 1992-1993, 140-141, p. 324.

¹⁹⁹ Gh. Poenaru Bordea, SCN, 4, 1968, p. 400 (2 sp.); Gh. Poenaru Bordea and Al. Popea, SCIVA, 27, 1976, 2, p. 216, 220 (4 sp.); Antoaneta Vertan and G. Custurea, Pontica, 14, 1981, p. 314 (1 sp.); *Idem*, *Descoperiri monetare în Dobrogea (V)*, Pontica, 16, 1983, p. 310 (1 sp.); *Idem*, Pontica, 25, 1992, p. 387 (1 sp.); *Idem* and G. Talmațchi, Pontica, 31, 1998, p. 317 (2 sp.); Th. Isvoranu and Gh. Poenaru Bordea, *Simpozion de numismatică*, 2003, p. 144 (2 sp.).

²⁰⁰ Th. Isvoranu and Gh. Poenaru Bordea, *Simpozion de numismatică*, 2003, p. 138 (1 sp.); Gh. Poenaru Bordea, SCN, 4, 1968, p. 405 (1 sp.); Gh. Poenaru Bordea and Al. Popea, SCIVA, 27, 1976, 2, pp. 216, 220 (2 sp.).

²⁰¹ R. Ocheșanu and Gh. Papuc, *Monede grecești, romane și bizantine descoperite în Dobrogea (V)*, Pontica, 9, 1976, p. 231 (1 sp.); Gh. Poenaru Bordea and Al. Popea, SCIVA, 27, 1976, 2, p. 216 (14 sp.); Antoaneta Vertan, G. Custurea and G. Talmațchi, Pontica, 31, 1998, p. 318 (2 sp.); Th. Isvoranu and Gh. Poenaru Bordea, *Simpozion de numismatică*, 2003, p. 144 (1 sp.).

²⁰² Gh. Poenaru Bordea and Al. Popea, SCIVA, 27, 1976, 2, p. 216 (1 sp.); Th. Isvoranu and Gh. Poenaru Bordea, *Simpozion de numismatică*, 2003, p. 138, 144 (3 sp.).

²⁰³ R. Ocheșanu and Gh. Papuc, Pontica, 6, 1973, p. 376 (1 sp.); Antoaneta Vertan, G. Custurea and G. Talmațchi, Pontica, 31, 1998, p. 317 (1 sp.); Th. Isvoranu and Gh. Poenaru Bordea, *Simpozion de numismatică*, 2003, p. 144 (3 sp.).

²⁰⁴ A. Popescu and M. Ionescu, BSNR, 86-87, 1992-1993, 140-141, p. 324.

+8I (NIC)²⁰⁵+3M (CYZ)²⁰⁶+2I (CYZ)²⁰⁷+2M (ANT)²⁰⁸+1K (ANT)²⁰⁹+1AΓ (ALEX)²¹⁰+1K (CAR)²¹¹+3I²¹². **Justin II** - 1 solidus (CON)²¹³+5M (CON)²¹⁴+4K (CON)²¹⁵+18E (CON)²¹⁶+24K (THE)²¹⁷+1E (THE)²¹⁸+2M (NIC)²¹⁹+5K (NIC)²²⁰+1E (NIC)²²¹+2K (CYZ)²²²+1I (CYZ)²²³+1E (CYZ)²²⁴+1E (ANT)²²⁵+1K²²⁶. **Tiberius II Constantine** - 1M (CON)²²⁷+3K (NIC)²²⁸. **Maurice Tiberius** - 1 solidus (CON)²²⁹+5M (CON)²³⁰+17K (CON)²³¹+5I (CON)²³²+8K (THE)²³³+2M (NIC)²³⁴+3M (CYZ)²³⁵+2I (CYZ)²³⁶+2K (ANT)²³⁷+1M²³⁸+1K²³⁹. **Phocas** -3M

²⁰⁵ Gh. Poenaru Bordea and Al. Popeea, SCIVA, 27, 1976, 2, p. 217 (6 sp.); R. Ocheșanu and P. Dicu, *Monede antice și bizantine din Dobrogea*, BSNR, 75-76, 1981-1982, 129-130, pp. 446-447 (2 sp.).

²⁰⁶ Gh. Poenaru Bordea, SCN, 4, 1968, p. 400 (1 sp.); Antoaneta Vertan, G. Custurea and G. Talmațchi, Pontica, 31, 1998, p. 318 (1 sp.); Th. Isvoranu and Gh. Poenaru Bordea, *Simpozion de numismatică*, 2003, p. 144 (1 sp.).

²⁰⁷ R. Ocheșanu and Gh. Papuc, Pontica, 9, 1976, p. 232 (1 sp.); Th. Isvoranu and Gh. Poenaru Bordea, *Simpozion de numismatică*, 2003 p. 144 (1 sp.).

²⁰⁸ Th. Isvoranu and Gh. Poenaru Bordea, *Simpozion de numismatică*, 2003, p. 144 (2 sp.).

²⁰⁹ Gh. Poenaru Bordea and Al. Popeea, SCIVA, 27, 1976, 2, p. 216.

²¹⁰ Th. Isvoranu and Gh. Poenaru Bordea, *Simpozion de numismatică*, 2003, p. 138.

²¹¹ A. Popescu and M. Ionescu, BSNR, 86-87, 1992-1993, 140-141, p. 324.

²¹² R. Ocheșanu and Gh. Papuc, Pontica, 9, 1976, p. 232 (1 sp.); R. Ocheșanu and P. Dicu, BSNR, 75-76, 1981-1982, 129-130, pp. 446-447 (2 sp.).

²¹³ R. Ocheșanu, SCN, 6, 1975, p. 235.

²¹⁴ Gh. Poenaru Bordea and Al. Popeea, SCIVA, 27, 1976, 2, p. 217 (4 sp.); R. Ocheșanu and Gh. Papuc, Pontica, 9, 1976, p. 232 (1 sp.).

²¹⁵ Gh. Poenaru Bordea, SCN, 4, 1968, p. 400 (2 sp.); Idem and Al. Popeea, SCIVA, 27, 1976, 2, p. 217 (2 sp.); Th. Isvoranu and Gh. Poenaru Bordea, *Simpozion de numismatică*, 2003, p. 144 (2 sp.).

²¹⁶ Gh. Poenaru Bordea and Al. Popeea, SCIVA, 27, 1976, 2, p. 217 (9 sp.); R. Ocheșanu and Gh. Papuc, Pontica, 9, 1976, p. 232 (1 sp.); R. Ocheșanu and P. Dicu, BSNR, 75-76, 1981-1982, 129-130, p. 447 (1 sp.); Antoaneta Vertan, G. Custurea and G. Talmațchi, Pontica, 31, 1998, p. 318 (2 sp.). Th. Isvoranu and Gh. Poenaru Bordea, *Simpozion de numismatică*, 2003, pp. 144-145 (5 sp.).

²¹⁷ Gh. Poenaru Bordea and Al. Popeea, SCIVA, 27, 1976, 2, pp. 217-218 (17 sp.); Th. Isvoranu and Gh. Poenaru Bordea, *Simpozion de numismatică*, 2003, p. 144 (7 sp.).

²¹⁸ R. Ocheșanu and Gh. Papuc, Pontica, 9, 1976, p. 232.

²¹⁹ Antoaneta Vertan, G. Custurea and G. Talmațchi, Pontica, 31, 1998, p. 318 (2 sp.).

²²⁰ Gh. Poenaru Bordea and Al. Popeea, SCIVA, 27, 1976, 2, p. 218 (4 sp.); Antoaneta Vertan and G. Custurea, Pontica 12, 1979, p. 235 (1 sp.).

²²¹ R. Ocheșanu and P. Dicu, BSNR, 75-76, 1981-1982, 129-130, p. 447.

²²² Gh. Poenaru Bordea and Al. Popeea, SCIVA, 27, 1976, 2, p. 218 (2 sp.).

²²³ *Ibidem*, p. 218.

²²⁴ R. Ocheșanu and Gh. Papuc, Pontica, 9, 1976, p. 232.

²²⁵ Th. Isvoranu and Gh. Poenaru Bordea, *Simpozion de numismatică*, 2003, p. 145.

²²⁶ Gh. Poenaru Bordea and Al. Popeea, SCIVA, 27, 1976, 2, p. 218.

²²⁷ Antoaneta Vertan, G. Custurea and G. Talmațchi, Pontica, 31, 1998, p. 318.

²²⁸ Gh. Poenaru Bordea and Al. Popeea, SCIVA, 27, 1976, 2, p. 218 (2 sp.); Th. Isvoranu and Gh. Poenaru Bordea, *Simpozion de numismatică*, 2003, p. 145 (1 sp.).

²²⁹ Antoaneta Vertan and G. Custurea, Pontica, 16, 1983, p. 310.

²³⁰ Gh. Poenaru Bordea, SCN, 4, 1968, p. 405 (1 sp.); Gh. Poenaru Bordea and Al. Popeea, SCIVA, 27, 1976, 2, p. 218 (1 sp.); Antoaneta Vertan and G. Custurea, Pontica, 16, 1983, p. 310 (1 sp.); Idem, Pontica, Pontica, 25, 1992, p. 388 (1 sp.); Idem and G. Talmațchi, Pontica, 31, 1998, p. 318 (1 sp.).

²³¹ Gh. Poenaru Bordea, SCN, 4, 1968, p. 405 (1 sp.); Gh. Poenaru Bordea and Al. Popeea, SCIVA, 27, 1976, 2, p. 218 (10 sp.); Antoaneta Vertan and G. Custurea, Pontica, 16, 1983, p. 310 (1 sp.); Idem, Pontica, 25, 1992, p. 388 (1 sp.) Idem and G. Talmațchi, Pontica, 31, 1998, p. 318 (1 sp.); Th. Isvoranu and Gh. Poenaru Bordea, *Simpozion de numismatică*, 2003, p. 145 (3 sp.).

²³² Gh. Poenaru Bordea and Al. Popeea, SCIVA, 27, 1976, 2, p. 218 (1 sp.); R. Ocheșanu and P. Dicu, BSNR, 75-76, 1981-1982, 129-130, p. 447 (4 sp.).

²³³ Gh. Poenaru Bordea and Al. Popeea, SCIVA, 27, 1976, 2, p. 218 (1 sp.); Th. Isvoranu and Gh. Poenaru Bordea, *Simpozion de numismatică*, 2003, p. 145 (7 sp.).

²³⁴ Gh. Poenaru Bordea, SCN, 4, 1968, p. 405 (1 sp.); Th. Isvoranu and Gh. Poenaru Bordea, *Simpozion de numismatică*, 2003, p. 145 (1 sp.).

²³⁵ Antoaneta Vertan and G. Custurea, 25, 1992, p. 387 (1 sp.); Gh. Poenaru Bordea and Al. Popeea, SCIVA, 27, 1976, 2, p. 219 (1 sp.); Th. Isvoranu and Gh. Poenaru Bordea, *Simpozion de numismatică*, 2003, p. 145 (1 sp.).

²³⁶ Gh. Poenaru Bordea and Al. Popeea, SCIVA, 27, 1976, 2, p. 219.

²³⁷ Th. Isvoranu and Gh. Poenaru Bordea, *Simpozion de numismatică*, 2003, p. 145 (2 sp.).

²³⁸ Gh. Poenaru Bordea and Al. Popeea, SCIVA, 27, 1976, 2, p. 219.

²³⁹ *Ibidem*, p. 219.

(CON)²⁴⁰+8K (CON)²⁴¹+1I (CON)²⁴²+3K (THE)²⁴³+2M (NIC)²⁴⁴+1K (NIC)²⁴⁵+ 2M (CYZ)²⁴⁶+2K (CYZ)²⁴⁷. **Heraclius** - 4M (CON)²⁴⁸+1K (CON)²⁴⁹+ 1K (NIC)²⁵⁰.

18. CORBU (Constantza County)

Phocas - 1M (NIC)²⁵¹.

19. COSTINEȘTI²⁵² (Constantza County)

Anastasius I - 2M (CON). **Justinian I** - 2M (NIC)+1IB (ALEX). **Justin II** - 1M (CYZ).

20. CRUCEA (Constantza County)

Anastasius I - 1M (CON)²⁵³.

21. CUZA-VODĂ (Constantza County)

Anastasius I - 1 AE²⁵⁴.

22. DERVENT (Constantza County)

Justin II - 1M (CON)²⁵⁵.

23. DINOGEȚIA-GARVĂN²⁵⁶ (Tulcea County)

Anastasius - 1M (CON)+5K (CON)+1K (NIC)+1K (ANT). **Justin I** - 3M (CON)+4K (CON). **Justinian I** - 6M (CON)+2K (CON)+1I (CON)+1IS (THE)+4M (NIC)+2K (NIC)+1K (ANT). **Justin II** - 4M (CON)+8K (CON)+5K (THE)+4M (NIC)+2M (CYZ). **Tiberius II Constantine** - 2K (THE)+1M (ANT). **Maurice Tiberius** - 2M (CON)+4K (CON)+4K (THE)²⁵⁷+1M (NIC). **Unattributed** - 4K.

24. DOBROMIR (Constantza County)

Justin I - 1M (CON)²⁵⁸.

25. DUNĂRENI²⁵⁹ (Constantza County)

Anastasius I - 1K (CON). **Justin I** - 1M (CON). **Justinian I** - 2M (CON). **Justin II** - 1M (CON)+1M (CYZ). **Maurice Tiberius** - 1I (THE)+1K (NIC).

26. EFORIE (Tuzla, Constantza County)

Phocas - 1 AE²⁶⁰.

27. ENISALA (Tulcea County)

Justin I - 2M (CON)²⁶¹+3K (CON)²⁶²+1E (CON)²⁶³. **Justin I and Justinian I** - 1K (ANT)²⁶⁴. **Justinian I** - 1M (CON)²⁶⁵+2K (CON)²⁶⁶+1M (NIC)²⁶⁷+1K (NIC)²⁶⁸. **Justin II** - 3M (CON)²⁶⁹+3K (THE)²⁷⁰+1M (NIC)²⁷¹. **Maurice Tiberius** -

²⁴⁰ *Ibidem*, p. 219 (1 sp.); Antoaneta Vertan, G. Custurea and G. Talmațchi, *Pontica*, 30, 1997, p. 379 (1 sp.). Th. Isvoranu and Gh. Poenaru Bordea, *Simpozion de numismatică*, 2003, p. 145 (1 sp.).

²⁴¹ Gh. Poenaru Bordea and Al. Popea, *SCIIVA*, 27, 1976, 2, p. 219 (6 sp.); Antoaneta Vertan, G. Custurea and G. Talmațchi, *Pontica*, 31, 1998, p. 318 (2 sp.).

²⁴² Gh. Poenaru Bordea and Al. Popea, *SCIIVA*, 27, 1976, 2, p. 219 (2 sp.).

²⁴³ *Ibidem*, p. 219 (3 sp.).

²⁴⁴ *Ibidem*, p. 219 (1 sp.); R. Ocheșanu and P. Dicu, *BSNR*, 75-76, 1981-1982, 129-130, p. 447 (1 sp.).

²⁴⁵ Gh. Poenaru Bordea and Al. Popea, *SCIIVA*, 27, 1976, 2, p. 219.

²⁴⁶ Gh. Poenaru Bordea, *SCN*, 4, 1968, p. 406 (1 sp.); Antoaneta Vertan and G. Custurea, 25, 1992, p. 387 (1 sp.).

²⁴⁷ Gh. Poenaru Bordea, *SCN*, 4, 1968, p. 406 (1 sp.); Idem and Al. Popea, *SCIIVA*, 27, 1976, 2, p. 219 (1 sp.).

²⁴⁸ Gh. Poenaru Bordea and Al. Popea, *SCIIVA*, 27, 1976, 2, p. 219 (3 sp.); Antoaneta Vertan and G. Custurea, 25, 1992, p. 388 (1 sp.).

²⁴⁹ *Ibidem*, p. 219.

²⁵⁰ *Ibidem*, p. 219.

²⁵¹ R. Ocheșanu and Gh. Papuc, *Pontica*, 8, 1975, p. 443.

²⁵² I. Dimian, *SCN*, 1, 1957, p. 192.

²⁵³ *Ibidem*, p. 192.

²⁵⁴ E. Oberländer-Târnoaveanu, *Peuce*, 14, 2003, p. 375, fn. 91.

²⁵⁵ Antoaneta Vertan and G. Custurea, *Pontica*, 14, 1981, p. 341.

²⁵⁶ B. Mitrea, *Pontica*, 7, 1974, p. 49-72, with all the coins except for the specimen in fn. 257; see also: Gh. Poenaru Bordea, E. Nicolae and A. Popescu, *SCN*, 11, 1995, p. 142 (fn. 15) and p. 148 where are also included the coins from the yet unpublished collection of the Archaeology Institute „Vasile Pârvan”: Gh. Poenaru Bordea, E. Nicolae, *Catalogul monedelor bizantine din colecția Institutului de Arheologie „Vasile Pârvan”*, mss, 1987.

²⁵⁷ E. Oberländer-Târnoaveanu, *Cronica descoperirilor monetare din Nordul Dobrogei*, *Peuce*, 8, 1980, p. 507.

²⁵⁸ R. Ocheșanu and Gh. Papuc, *Pontica*, 6, 1973, p. 276.

²⁵⁹ Antoaneta Vertan, G. Custurea and G. Talmațchi, *Pontica*, 32, 1999, p. 352.

²⁶⁰ E. Oberländer-Târnoaveanu, *Peuce*, 14, 2003, p. 375, fn. 92.

²⁶¹ Gh. Mănușu-Adameșteanu and E. Oberländer-Târnoaveanu, *Noi dovezi de locuire pe teritoriul actual al satului Enisala în mileniul I e.n.*, *Peuce*, 9, 1984, pp. 351-352=E. Oberländer-Târnoaveanu and Gh. Mănușu-Adameșteanu, *Monede antice și*

1K (CON)²⁷²+ 1M (CYZ)²⁷³+1K (CYZ)²⁷⁴+1K²⁷⁵. **Phocas** - 1M (CON)²⁷⁶+1M (NIC)²⁷⁷. **Heraclius** - 2 AE²⁷⁸.

28. FÂNTÂNA MARE²⁷⁹ (Independența, Constantza County)

Justin I/ Justinian I - 2 AE. **Justinian I** - 1 AE.

29. FÂNTÂNELE (Constantza County)

Maurice Tiberius - 1K²⁸⁰.

30. GRĂDINA (Târgușor, Constantza County)

Justin I - 1M (CON)²⁸¹.

31. GRECI (Tulcea County)

Justin II - 1M (NIC)²⁸².

32. HISTRIA²⁸³-ISTRUS (Constantza County)

Anastasius - 6M (CON)+4K (CON)+1K (ANT)+1M+2K. **Justin I** - 11M (CON)²⁸⁴+4K (CON)+1I (CON)+3K (NIC)²⁸⁵+1M. **Justinian I** - 38M (CON)²⁸⁶+10K (CON)²⁸⁷+6I (CON)+1E (CON)+1K (THE)+4M (NIC)+1K (NIC)+2I (NIC)+4M (ANT)+2K (ANT)+1K (CAR)+1I (CAR)+8M+1K+3I. **Justin II** - 28M (CON)²⁸⁸+6K (CON)+2E (CON)+18K (THE)²⁸⁹+12M (NIC)²⁹⁰+2K (NIC)+2E (NIC)+1M (CYZ)+1K (CYZ)+1E (CYZ)+2M (ANT)+2M+14K+6E²⁹¹. **Tiberius II Constantine** - 3M (CON)+2K (CON)+4M (NIC)+1K (NIC)+1M (CYZ)+3M (ANT). **Maurice Tiberius** - 12M (CON)+11K (CON)+4K (THE)+4M (NIC)+1K (NIC)+2M (CYZ)+2K (CYZ)+2K (ANT)+1K. **Phocas** - 1 solidus (CON)+3M (CON)+2K (CON)+1K (THE)+1M (NIC)+1K (NIC)+3K (CYZ)+2M+2K. **Heraclius** - 2M (CON). **Uncertain**- 2M+1K (Anastasius I?); 1M (Justin I?); 6M+1K (Justinian I?); 1K (Justin II?); 2M+1K+1E (Maurice Tiberius?); 1K (Heraclius?); 4M (CON)+4K (THE)+2M (NIC)+7M+21K+8I+8E (6th century).

bizantine descoperite la Enisala, județul Tulcea, CN, 4, 1982, pp. 116-118 (1 sp.); M. Petrescu-Dâmbovița, *Inventarul materialului arheologic dela rezidența regală din Galați*, 1940, pp. 11-12 (1 sp.).

²⁶² Gh. Mănușu-Adameșteanu and E. Oberländer-Târnoveanu, *Peuce*, 9, 1984, pp. 351-352 (2 sp.); Antoaneta Vertan and G. Custurea, *Pontica*, 19, 1986, p. 300 (1 sp.).

²⁶³ E. Oberländer-Târnoveanu, *Peuce*, 8, 1980, p. 507.

²⁶⁴ Gh. Mănușu-Adameșteanu and E. Oberländer-Târnoveanu, *Peuce*, 9, 1984, p. 351-352.

²⁶⁵ *Ibidem*, p. 351-352.

²⁶⁶ Gh. Poenaru Bordea and P. I. Dicu, *Informații suplimentare privind descoperirile monetare romane și bizantine de la Sâlcioara și Enisala, jud. Tulcea, Istro-Pontica. Muzeul tulcean la a 50-a aniversare 1950-2000. Omagiu lui Gavrilă Simion la 45 de ani de activitate 1955-2000*, Tulcea, 2000, p. 432 (1 sp.); Antoaneta Vertan and G. Custurea, *Pontica*, 19, 1986, p. 300 (1 sp.).

²⁶⁷ M. Petrescu-Dâmbovița, *op. cit.*, pp. 11-12.

²⁶⁸ Gh. Mănușu-Adameșteanu and E. Oberländer-Târnoveanu, *Peuce*, 9, 1984, pp. 351-352.

²⁶⁹ *Ibidem*, pp. 351-352 (3 sp.).

²⁷⁰ *Ibidem*, pp. 351-352 (2 sp.); Antoaneta Vertan and G. Custurea, *Pontica*, 19, 1986, p. 300 (1 sp.).

²⁷¹ Gh. Poenaru Bordea and P. I. Dicu, *Istro-Pontica*, p. 432.

²⁷² Gh. Mănușu-Adameșteanu and E. Oberländer-Târnoveanu, *Peuce*, 9, 1984, pp. 351-352.

²⁷³ *Ibidem*, pp. 351-352.

²⁷⁴ *Ibidem*, pp. 351-352.

²⁷⁵ Gh. Poenaru Bordea and P. I. Dicu, *op. cit.*, p. 432.

²⁷⁶ Gh. Mănușu-Adameșteanu and E. Oberländer-Târnoveanu, *Peuce*, 9, 1984, pp. 351-352.

²⁷⁷ *Ibidem*, pp. 351-352.

²⁷⁸ Gh. Poenaru Bordea and P. I. Dicu, *op. cit.*, p. 432, with the bibliography.

²⁷⁹ E. Oberländer-Târnoveanu, *Peuce*, 14, 2003, p. 375, fn. 93.

²⁸⁰ Gh. Poenaru Bordea, in: Al. Suceveanu, *Fântânele*, 1998, p. 192.

²⁸¹ Gh. Poenaru Bordea and Al. Popea, *SCIVA*, 27, 1976, 2, p. 220.

²⁸² B. Mitrea, *Descoperiri recente și mai vechi de monede antice și bizantine in RSR*, SCIV, 22, 1971, p. 413.

²⁸³ H. Nubar in C. Preda and H. Nubar, *op. cit.*, p. 198-228, with all the specimens except for the ones in fn. 284-291. For updated results see: Gh. Poenaru Bordea, E. Nicolae and A. Popescu, *SCN*, 11, 1995, pp. 144-145, where along with the sources in the catalogue are included the specimens from the collection of the Archaeology Institute „Vasile Pârvan”: Gh. Poenaru Bordea, E. Nicolae, *op. cit.*, mss, 1987.

²⁸⁴ R. Ocheșanu and Gh. Papuc, *Pontica*, 5, 1972, p. 478 (1 sp.).

²⁸⁵ Gh. Poenaru Bordea, in Al. Suceveanu, *op. cit.*, p. 165 (1 sp.).

²⁸⁶ *Ibidem*, p. 165 (2 sp.).

²⁸⁷ *Ibidem*, p. 154 (1 sp.).

²⁸⁸ Antoaneta Vertan and G. Custurea, *Pontica*, 16, 1983, p. 311 (1 sp.).

²⁸⁹ Gh. Poenaru Bordea, in Al. Suceveanu, *op. cit.*, p. 154 (1 sp.).

²⁹⁰ *Ibidem*, p. 165 (3 sp.).

²⁹¹ *Ibidem*, p. 165 (1 sp.).

- 33. HORIA (Tulcea County)**
Justin II - 1 AE²⁹².
- 34. IGLIȚA (Tulcea County)**
Justinian I - 1M (CON)²⁹³.
- 35. ISTRIA (Constantza County)**
Justin II - 1M (CON)²⁹⁴.
- 36. IULIA (Izvoarele, Tulcea County)**
Phocas - 1M (ANT)²⁹⁵.
- 37. IZVOARELE-SUCIDAVA (Constantza County)**
Anastasius I - 1K (CON)²⁹⁶. Justin I - 2K (CON)²⁹⁷. Justinian I - 1M (CON)²⁹⁸ +1K (CON)²⁹⁹+61 (CON)³⁰⁰+1M (ANT)³⁰¹. Justin II - 2M (CON)³⁰²+6K (THE)³⁰³.
- 38. LAZU³⁰⁴ (Constantza County)**
Anastasius- 1 AE. Justin I - 1 AE. Justinian I - 1 AE. Justin II - 1 AE. Phocas - 2 AE.
- 39. LIMANU (Constantza County)**
Justin I - 1I (CON)³⁰⁵. Justinian I - 1M³⁰⁶. Justin II - 1K (THE)³⁰⁷.
- 40. LUNCAVIȚA (Tulcea County)**
Justinian I - 2M (CON)³⁰⁸+1K (ANT)³⁰⁹.
- 41. MANGALIA (Constantza County).**
Justin I - 1M (CON)³¹⁰. Justinian I - 1 solidus (CON)³¹¹+1 solidus³¹²+4M (CON)³¹³+1K (CON)³¹⁴+1K (CYZ)³¹⁵+1M (ANT)³¹⁶+1K (CAR)³¹⁷. Justin II - 1K (CON)³¹⁸+3K (THE)³¹⁹. Maurice Tiberius - 2M (CON)³²⁰. Phocas - 1K (NIC)³²¹. Heraclius - 2M (CON)³²²+1IB (ALEX)³²³.
- 42. MĂCIN-ARRUBIUM (Tulcea County)**

²⁹² E. Oberländer-Târnoveanu, Peuce, 14, 2003, p. 375, fn. 98.

²⁹³ Antoaneta Vertan, G. Custurea and G. Talmațchi, Pontica, 31, 1998, p. 319.

²⁹⁴ E. Nicolae, *Descoperiri de monede antice și bizantine*, BSNR, 88-89, 1994-1995, 142-143, p. 271.

²⁹⁵ R. Ocheșanu, *Câteva monede bizantine din secolele VII-XI*, Pontica, 14, 1981, p. 311.

²⁹⁶ Antoaneta Vertan and G. Custurea, Pontica, 28-29, 1995-1996, pp. 317-318.

²⁹⁷ *Ibidem*, p. 317-318 (1 sp.); T. Papasima, *Monede bizantine inedite din colecția Muzeului județean Călărași*, Pontica, 28-29, 1995-1996, p. 280 (1 sp.).

²⁹⁸ Antoaneta Vertan, G. Custurea and G. Talmațchi, Pontica, 30, 1997, p. 381.

²⁹⁹ *Ibidem*, p. 381.

³⁰⁰ T. Papasima, Pontica, 28-29, 1995-1996, p. 280 (1 ex); Antoaneta Vertan and G. Custurea, Pontica, 28-29, 1995-1996, pp. 317-318 (1 sp.); *Iidem* and G. Talmațchi, Pontica, 30, 1997, p. 381 (4 sp.).

³⁰¹ T. Papasima, Pontica, 28-29, 1995-1996, p. 280.

³⁰² Antoaneta Vertan and G. Custurea, Pontica, 28-29, 1995-1996, pp. 317-318 (2 sp.).

³⁰³ *Ibidem*, p. 318 (4 sp.); Antoaneta Vertan, G. Custurea and G. Talmațchi, Pontica, 30, 1997, p. 381 (1 sp.); *Iidem*, Pontica, 31, 1998, p. 321 (1 sp.).

³⁰⁴ E. Popescu, *Descoperirile arheologice de la Lazu, jud. Constanța*, StCl, 7, 1965, p. 253.

³⁰⁵ E. Petac, *Descoperiri inedite de monede antice și bizantine*, BSNR, 86-87, 1992-1993, 140-141, p. 320.

³⁰⁶ B. Mitrea, *Descoperiri recente și mai vechi de monede antice și bizantine în RSR*, SCIV, 20, 1969, 1, p. 163.

³⁰⁷ Antoaneta Vertan, G. Custurea and G. Talmațchi, Pontica, 31, 1998, p. 321.

³⁰⁸ Gh. Poenaru Bordea and R. Ocheșanu, *Un tezaur de denari romani din secolul I p.Chr. de la Rachelu și câteva descoperiri monetare izolate din comuna Luncavița, jud. Tulcea*, BSNR, 86-87, 1992-1993, 140-141, p. 85 (2 sp.).

³⁰⁹ E. Oberländer-Târnoveanu, Peuce, 8, 1980, pp. 508-509

³¹⁰ I. Dimian, SCN, 1, 1957, p. 201 (1 sp.); R. Ocheșanu and Gh. Papuc, Pontica, 5, 1972, p. 478 (1 sp.).

³¹¹ C. Preda, *Callatis, Necropola romano-bizantină*, 1980, p. 72.

³¹² B. Mitrea, *Descoperiri recente și mai vechi de monede antice și bizantine în RSR*, SCIV, 19, 1968, p. 181.

³¹³ Antoaneta Vertan and G. Custurea, Pontica, 13, 1980, p. 356 (1 sp.); *Iidem*, Pontica, Pontica, 19, 1986, p. 301 (2 sp.); Gh. Poenaru, R. Ocheșanu and A. Popescu, *Monede grecești, romane și bizantine din Dobrogea în colecția muzeului din Brăila*, SCN, 12, 1998, p. 85 (1 sp.);

³¹⁴ Gh. Poenaru, R. Ocheșanu and A. Popescu, SCN, 12, 1998, p. 85.

³¹⁵ Antoaneta Vertan and G. Custurea, *Descoperiri monetare în Dobrogea (I)*, Pontica, 12, 1979, p. 235.

³¹⁶ *Iidem*, Pontica, 19, 1986, p. 301.

³¹⁷ Gh. Poenaru, R. Ocheșanu and A. Popescu, SCN, 12, 1998, p. 85.

³¹⁸ *Ibidem*, p. 85.

³¹⁹ Antoaneta Vertan and G. Custurea, Pontica, 12, 1979, p. 235 (1 sp.); *Iidem*, Pontica, 19, 1986, p. 301(2 sp.).

³²⁰ Gh. Poenaru, R. Ocheșanu and A. Popescu, SCN, 12, 1998, p. 85 (2 sp.)

³²¹ *Ibidem*, p. 85.

³²² R. Ocheșanu, Pontica, 14, 1981, p. 312 (2 sp.).

³²³ *Ibidem*, p. 312.

Justin II - 1M (NIC)³²⁴.

43. MĂN. COCOȘ³²⁵ (Niculițel, Tulcea County)

Justinian I - 1E (CON)+1I (ROM). Justin II - 1K (NIC). Maurice Tiberius - 3 AE³²⁶.

44. MEDGIDIA (Constantza County)

Justinian I - 1 AE³²⁷.

45. MIHAI VITEAZU (Constantza County)

Anastasius I - 1 solidus (CON)³²⁸.

46. MIHAIL KOGĂLNICEANU³²⁹ (Tulcea County)

Justinian I - 1M (CYZ). Justin II - 1M (CON)+1K (NIC).

47. MURIGHIOL-HALMYRIS³³⁰ (Tulcea County)

Anastasius I - 2M (CON)³³¹+4K (CON)³³²+1M (NIC)³³³. Justin I - 6M (CON)³³⁴+7K (CON)³³⁵+1M (NIC)³³⁶. Justin I or Justinian I - 2M (CON)³³⁷. Justinian I - 18M (CON)³³⁸+4K (CON)³³⁹+1I (CON)³⁴⁰+1K (THE)³⁴¹+2M (NIC)³⁴²+1K (NIC)³⁴³+3I (NIC)³⁴⁴+1I (CYZ)³⁴⁵+3M (ANT)³⁴⁶+1K (ANT)³⁴⁷+3I³⁴⁸. Justin II - 11M (CON)³⁴⁹+3K (CON)³⁵⁰+13K (THE)³⁵¹+6M (NIC)³⁵²+1K (NIC)³⁵³+3M (CYZ)³⁵⁴. Tiberius II Constantine - 1M (CON)³⁵⁵+1M (NIC)³⁵⁶.

³²⁴ B. Mitrea, *Découvertes récentes et plus anciennes de monnaies antiques et byzantines en Roumanie*, Dacia, N. S., 19, 1975, p. 317.

³²⁵ E. Oberländer-Târnoveanu and Cristina Opaî, *Peuce*, 9, 1984, p. 276.

³²⁶ E. Oberländer-Târnoveanu, *Peuce*, 14, 2003, p. 375, fn. 105.

³²⁷ *Ibidem*, p. 375, fn. 102.

³²⁸ Antoaneta Vertan, G. Custurea and G. Talmațchi, *Pontica*, 32, 1999, p. 354.

³²⁹ Gh. Poenaru Bordea, C. Popa, *Câteva monede antice și bizantine din sudul Dobrogei*, BSNR, 70-74, 1976-1980, 124-128, pp. 635-637.

³³⁰ The article published by Cristina Opaî, *Descoperiri monetare în fortificația de la Independența, județul Tulcea*, *Peuce*, 10, 1991, pp. 468-473, 482 has been updated by Gh. Poenaru Bordea in Al. Suceveanu et al., *op. cit.*, pp. 142-156.

³³¹ Cristina Opaî, *Peuce*, 10, 1991, p. 468 (1 sp.); Gh. Poenaru Bordea, in Al. Suceveanu et al., *op. cit.*, p. 143 (1 sp.).

³³² Cristina Opaî, *Peuce*, 10, 1991, p. 468 (2 sp.); Gh. Poenaru Bordea, in Al. Suceveanu et al., *op. cit.* p. 143 (2 sp.);

³³³ Gh. Poenaru Bordea, in Al. Suceveanu et al., *op. cit.* p. 143.

³³⁴ Cristina Opaî, *Peuce*, 10, 1991, p. 468 (1 sp.); Gh. Poenaru Bordea, in Al. Suceveanu et al., *op. cit.* pp. 143-144 (5 sp.);

³³⁵ Cristina Opaî, *Peuce*, 10, 1991, p. 468 (4 sp.); A. Popescu, *Câteva monede romane și bizantine timpurii de la Murighiol, jud. Tulcea*, BSNR, 88-89, 1994-1995, 142-143, p. 286 (1 sp.); Gh. Poenaru Bordea, in Al. Suceveanu et al., *op. cit.* pp. 144-145 (2 sp.).

³³⁶ Gh. Poenaru Bordea, in Al. Suceveanu et al., *op. cit.* p. 145.

³³⁷ Cristina Opaî, *Peuce*, 10, 1991, p. 468 (1 sp.); Gh. Poenaru Bordea, in Al. Suceveanu et al., *op. cit.* p. 145 (1 sp.);

³³⁸ E. Oberländer-Târnoveanu, *Peuce*, 8, 1980, p. 509 (1 sp.); Cristina Opaî, *Peuce*, 10, 1991, pp. 468-470 (7 sp.); A. Popescu, BSNR, 88-89, 1994-1995, 142-143, p. 286 (1 sp.); Gh. Poenaru Bordea, in Al. Suceveanu et al., *op. cit.* pp. 145-147 (11 sp.).

³³⁹ Cristina Opaî, *Peuce*, 10, 1991, p. 470 (2 sp.); Gh. Poenaru Bordea, in Al. Suceveanu et al., *op. cit.* pp. 146, 148 (2 sp.).

³⁴⁰ Gh. Poenaru Bordea, in Al. Suceveanu et al., *op. cit.* p. 148.

³⁴¹ Cristina Opaî, *Peuce*, 10, 1991, p. 470.

³⁴² *Ibidem*, p. 470 (1 sp.); Gh. Poenaru Bordea, in Al. Suceveanu et al., *op. cit.* p. 148 (1 sp.).

³⁴³ Gh. Poenaru Bordea, in Al. Suceveanu et al., *op. cit.* p. 148 (1 sp.).

³⁴⁴ Cristina Opaî, *Peuce*, 10, 1991, p. 470 (2 sp.); Gh. Poenaru Bordea, in Al. Suceveanu et al., *op. cit.* p. 148 (1 sp.).

³⁴⁵ Gh. Poenaru Bordea, in Al. Suceveanu et al., *op. cit.* p. 149.

³⁴⁶ Cristina Opaî, *Peuce*, 10, 1991, p. 470 (3 sp.).

³⁴⁷ *Ibidem*, p. 470.

³⁴⁸ Gh. Poenaru Bordea, in Al. Suceveanu et al., *op. cit.* pp. 149-150 (3 sp.).

³⁴⁹ Cristina Opaî, *Peuce*, 10, 1991, pp. 471-472 (4 sp.); Gh. Poenaru Bordea, in Al. Suceveanu et al., *op. cit.* pp. 150-151 (7 sp.).

³⁵⁰ Cristina Opaî, *Peuce*, 10, 1991, p. 471 (1 sp.); Gh. Poenaru Bordea, in Al. Suceveanu et al., *op. cit.* p. 151 (2 sp.).

³⁵¹ Cristina Opaî, *Peuce*, 10, 1991, pp. 470-472 (10 sp.); Gh. Poenaru Bordea, in Al. Suceveanu et al., *op. cit.* pp. 151-152 (3 sp.).

³⁵² Cristina Opaî, *Peuce*, 10, 1991, pp. 471-472 (4 sp.); Gh. Poenaru Bordea, in Al. Suceveanu et al., *op. cit.* p. 153 (2 sp.).

³⁵³ Gh. Poenaru Bordea, in Al. Suceveanu et al., *op. cit.* p. 154.

³⁵⁴ *Ibidem*, p. 154 (3 sp.).

³⁵⁵ Cristina Opaî, *Peuce*, 10, 1991, p. 472.

³⁵⁶ *Ibidem*, p. 472.

Maurice Tiberius - 1 tremissis (CON)³⁵⁷ +2M (CON)³⁵⁸+3K (CON)³⁵⁹+2K (THE)³⁶⁰+ 1M (CYZ)³⁶¹+1K³⁶². **Phocas** - 1M (CON)³⁶³+1K (NIC)³⁶⁴. **Heraclius** - 2M (CON)³⁶⁵.

48. NALBANT (Tulcea County)

Justinian I - 1 AE³⁶⁶.

49. NĂVODARI (Constantza County)

Justinian I -1K (CON)³⁶⁷.

50. NICULIȚEL (Tulcea County)

Justin I or Justinian I - 1 AE³⁶⁸. **Justinian I** - 3M (CON)³⁶⁹+1I (CON)³⁷⁰. **Maurice Tiberius** - 1M (CON)³⁷¹+1K (THE)³⁷².

51. NISIPARI (Castelu, Constantza County)

Justinian I - 1M (CON)³⁷³.

52. NOVIODUNUM³⁷⁴ (Isaccea, Tulcea County)

Anastasius I - 2M (CON)³⁷⁵+6K (CON)³⁷⁶. **Justin I** - 6M (CON)³⁷⁷+7K (CON)³⁷⁸.

Justin I and Justinian I - 1M (NIC)³⁷⁹. **Justinian I** - 11M (CON)³⁸⁰+4K (CON)³⁸¹+8I (CON)³⁸²+1E

³⁵⁷ Gh. Poenaru Bordea, in Al. Suceveanu et al., *op. cit.* p. 154; see also fn. 141.

³⁵⁸ Cristina Opaî, Peuce, 10, 1991, p. 472-473 (2 sp.).

³⁵⁹ E. Oberländer- Târnoveanu, Peuce, 8, 1980, p. 509 (1 sp.); Cristina Opaî, Peuce, 10, 1991, p. 483 (1 sp.); Gh. Poenaru Bordea, in Al. Suceveanu et al., *op. cit.* p. 155 (1 sp.).

³⁶⁰ Gh. Poenaru Bordea, in Al. Suceveanu et al., *op. cit.* p. 155 (2 sp.).

³⁶¹ *Ibidem*, p. 156.

³⁶² *Ibidem*, p. 156.

³⁶³ *Ibidem*, p. 156.

³⁶⁴ *Ibidem*, p. 156.

³⁶⁵ Cristina Opaî, Peuce, 10, 1991, p. 473 (1 sp.); Gh. Poenaru Bordea, in Al. Suceveanu et al., *op. cit.* p. 156 (1 sp.).

³⁶⁶ C. Preda, BSNR, 90-91, 1996-1997, 144-145, p. 118.

³⁶⁷ C. Matei, *Câteva monede grecești, romane și bizantine din Dobrogea*, BSNR, 77-79, 1983-1985, 131-133, p. 429.

³⁶⁸ E. Oberländer-Târnoveanu, Peuce, 14, 2003, p. 375, fn. 107.

³⁶⁹ Gh. Poenaru Bordea and P. I., Dicu, *Monede din secolele II-XII descoperite la Niculițel, jud. Tulcea*, BSNR, 88-89, 1994-1995, 142-143, p. 35.

³⁷⁰ E. Oberländer- Târnoveanu, Peuce, 8, 1980, p. 509.

³⁷¹ *Ibidem*, p. 509.

³⁷² *Ibidem*, p. 509.

³⁷³ Antoaneta Vertan, G. Custurea and G. Talmațchi, Pontica, 30, 1997, p. 381.

³⁷⁴ For an updated catalogue of the coin finds at Noviodunum see: Gh. Poenaru Bordea, E. Nicolae and A. Popescu, SCN, 11, 1995, p. 161, appendix I.

³⁷⁵ E. Oberländer- Târnoveanu, Peuce, 8, 1980, pp. 507-508 (1 sp.); Al. Popeea, *Monede bizantine din nordul Dobrogei*, Peuce, 4, 1973-1975, p. 176 (1 sp.)

³⁷⁶ E. Oberländer- Târnoveanu, Peuce, 8, 1980, pp. 507-508 (2 sp.); Gh. Poenaru Bordea, E. Nicolae and A. Popescu, SCN, 11, 1995, p. 136 (4 sp.).

³⁷⁷ Gh. Poenaru and V. H. Baumann, *Monede romane și bizantine provenite din nordul Dobrogei*, Peuce, 4, 1973-1975, p. 157 (1 sp.); Al. Popeea, Peuce, 4, 1973-1975, pp. 176-179 (2 sp.); E. Oberländer- Târnoveanu, Peuce, 8, 1980, pp. 507-508 (1 sp.); Gh. Poenaru Bordea, E. Nicolae and A. Popescu, SCN, 11, 1995, pp. 136-138 (2 sp.).

³⁷⁸ Al. Popeea, Peuce, 4, 1973-1975, pp. 176-179 (2 sp.); E. Oberländer- Târnoveanu, Peuce, 8, 1980, pp. 507-508 (2 sp.); Antoaneta Vertan and G. Custurea, Pontica, 15, 1982, pp. 282-284 (1 sp.); Gh. Poenaru Bordea, E. Nicolae and A. Popescu, SCN, 11, 1995, pp. 136, 161 (2 sp.).

³⁷⁹ Gh. Poenaru Bordea, E. Nicolae and A. Popescu, SCN, 11, 1995, p. 161.

³⁸⁰ Al. Popeea, Peuce, 4, 1973-1975, pp. 176-179 (1 sp.); E. Oberländer- Târnoveanu, Peuce, 8, 1980, pp. 507-508 (3 sp.); Antoaneta Vertan and G. Custurea, Pontica, 15, 1982, pp. 282-284 (1 sp.); Gh. Poenaru Bordea, E. Nicolae and A. Popescu, SCN, 11, 1995, pp. 136, 161 (7 sp.).

³⁸¹ Al. Popeea, Peuce, 4, 1973-1975, p. 176-179 (1 sp.) Antoaneta Vertan and G. Custurea, Pontica, 15, 1982, pp. 282-284 (1 sp.); A. Popescu, M. Iacob and I. Georgescu, *Monede grecești, romane și bizantine timpurii din colecția Ioan Georgescu, Tulcea*, CN, 7, 1996, p. 94 (1 sp.); Gh. Poenaru Bordea, E. Nicolae and A. Popescu, SCN, 11, 1995, p. 136 (1 sp.).

³⁸² Al. Popeea, Peuce, 4, 1973-1975, pp. 176-179 (2 sp.); E. Oberländer- Târnoveanu, Peuce, 8, 1980, pp. 507-508 (1 sp.); Vertan, G. Custurea, Pontica, 15, 1982, pp. 282-284 (1 sp.); Gh. Poenaru Bordea, E. Nicolae and A. Popescu, SCN, 11, 1995, p. 136 (4 sp.).

(CON)³⁸³+2K (THE)³⁸⁴+2IS (THE)³⁸⁵+2M (NIC)³⁸⁶+1K (NIC)³⁸⁷+3I (NIC)³⁸⁸+1M (CYZ)³⁸⁹+1K (CYZ)³⁹⁰+1K (ANT)³⁹¹+1I (ANT)³⁹²+1I (ROM)³⁹³+1K³⁹⁴+1I³⁹⁵. **Justin II** - 12M (CON)³⁹⁶+3K (CON)³⁹⁷+1E (CON)³⁹⁸+14K (THE)³⁹⁹+6M (NIC)⁴⁰⁰+2K (NIC)⁴⁰¹+1E (CYZ)⁴⁰²+2K⁴⁰³. **Tiberius II Constantine** 3M (CON)⁴⁰⁴+1I (CON)⁴⁰⁵. **Maurice Tiberius** - 2M (CON)⁴⁰⁶+1K (CON)⁴⁰⁷+12K (THE)⁴⁰⁸+2K (NIC)⁴⁰⁹+1K (ANT)⁴¹⁰. **Phocas** - 3M (CON)⁴¹¹+2K (CON)⁴¹²+1M (NIC)⁴¹³+1K (NIC)⁴¹⁴+2M (CYZ)⁴¹⁵.

53. NUFARUL (Tulcea County)

Justinian I - 1 AE⁴¹⁶. **Tiberius II Constantine** - 1 AE. **Maurice Tiberius** - 1 AE. **Justin II** - 3K (THE)⁴¹⁷. **Heraclius** - 1K (CON)⁴¹⁸.

54. OSTROV (Constantza County).

Justin II - 1M (CON)⁴¹⁹+1K (THE)⁴²⁰. **Tiberius II Constantine** - 1M (CON)⁴²¹+ 1AE⁴²²

³⁸³ Gh. Poenaru Bordea, E. Nicolae and A. Popescu, SCN, 11, 1995, pp. 136, 161 (2 sp.).

³⁸⁴ *Ibidem*, p. 137.

³⁸⁵ *Ibidem*, p. 137 (1 sp.); E. Oberländer- Târnoveanu, Peuce, 8, 1980, pp. 507-508 (1 sp.)

³⁸⁶ Gh. Poenaru Bordea, E. Nicolae and A. Popescu, SCN, 11, 1995, pp. 136, 161 (2 sp.); see appendix I, p. 161 where are missing two specimens published by Gh. Poenaru and V. H. Baumann, Peuce, 4, 1973-1975, p. 157 and Al. Popeea, Peuce, 4, 1973-1975, pp. 176-179, probably reviewed by the authors.

³⁸⁷ E. Oberländer- Târnoveanu, Peuce, 8, 1980, pp. 507-508.

³⁸⁸ Al. Popeea, Peuce, 4, 1973-1975, pp. 176-179 (2 sp.); Gh. Poenaru Bordea, E. Nicolae and A. Popescu, SCN, 11, 1995, p. 137 (1 sp.).

³⁸⁹ Gh. Poenaru Bordea, E. Nicolae and A. Popescu, SCN, 11, 1995, p. 137.

³⁹⁰ *Ibidem*, p. 137.

³⁹¹ *Ibidem*, p. 137.

³⁹² *Ibidem*, p. 137.

³⁹³ E. Oberländer- Târnoveanu, Peuce, 8, 1980, pp. 507-508.

³⁹⁴ Gh. Poenaru Bordea, E. Nicolae and A. Popescu, SCN, 11, 1995, p. 161.

³⁹⁵ *Ibidem*, p. 137.

³⁹⁶ Al. Popeea, Peuce, 4, 1973-1975, pp. 176-179 (7 sp.); E. Oberländer- Târnoveanu, Peuce, 8, 1980, pp. 507-508 (1 sp.); Antoaneta Vertan and G. Custurea, Pontica, 15, 1982, pp. 282-284 (1 sp.); Gh. Poenaru Bordea, E. Nicolae and A. Popescu, SCN, 11, 1995, p. 137 (2 sp.).

³⁹⁷ Al. Popeea, Peuce, 4, 1973-1975, pp. 176-179 (1 sp.); E. Oberländer-Târnoveanu, Peuce, 8, 1980, pp. 507-508 (1 sp.); Gh. Poenaru Bordea, E. Nicolae and A. Popescu, SCN, 11, 1995, p. 137 (1 sp.).

³⁹⁸ Gh. Poenaru Bordea, E. Nicolae and A. Popescu, SCN, 11, 1995, p. 137.

³⁹⁹ Al. Popeea, Peuce, 4, 1973-1975, pp. 176-179 (2 sp.); E. Oberländer-Târnoveanu, Peuce, 8, 1980, pp. 507-508 (3 sp.); Vertan, G. Custurea, Pontica, 16, 1983, p. 312 (1 sp.); *Ibidem* and G. Talmațchi, Pontica, 30, 1997, p. 379 (1 sp.); A. Popescu, M. Iacob and I. Georgescu, CN, 7, 1996, p. 94 (1 sp.); Gh. Poenaru Bordea, E. Nicolae and A. Popescu, SCN, 11, 1995, p. 137 (6 sp.).

⁴⁰⁰ Al. Popeea, Peuce, 4, 1973-1975, pp. 176-179 (1 sp.); E. Oberländer- Târnoveanu, Peuce, 8, 1980, pp. 507-508 (1 sp.); Gh. Poenaru Bordea, E. Nicolae and A. Popescu, SCN, 11, 1995, p. 137 (4 sp.).

⁴⁰¹ Gh. Poenaru Bordea, E. Nicolae and A. Popescu, SCN, 11, 1995, pp. 137-138 (2 sp.).

⁴⁰² *Ibidem*, p. 138.

⁴⁰³ *Ibidem*, p. 161.

⁴⁰⁴ *Ibidem*, p. 138.

⁴⁰⁵ *Ibidem*, p. 138.

⁴⁰⁶ Al. Popeea, Peuce, 4, 1973-1975, pp. 176-179 (1 sp.); Gh. Poenaru Bordea, E. Nicolae and A. Popescu, SCN, 11, 1995, p. 138 (1 sp.).

⁴⁰⁷ E. Oberländer- Târnoveanu, Peuce, 8, 1980, pp. 507-508.

⁴⁰⁸ Al. Popeea, Peuce, 4, 1973-1975, pp. 176-179 (2 sp.); E. Oberländer- Târnoveanu, Peuce, 8, 1980, pp. 507-508 (3 sp.); Gh. Poenaru Bordea, E. Nicolae and A. Popescu, SCN, 11, 1995, pp. 138, 161 (8 sp.).

⁴⁰⁹ Gh. Poenaru Bordea, E. Nicolae and A. Popescu, SCN, 11, 1995, p. 138 (2 sp.).

⁴¹⁰ *Ibidem*, p. 138.

⁴¹¹ *Ibidem*, p. 138 (2 sp.); Al. Popeea, Peuce, 4, 1973-1975, pp. 176-179 (1 sp.).

⁴¹² Gh. Poenaru Bordea, E. Nicolae and A. Popescu, SCN, 11, 1995, p. 138 (2 sp.).

⁴¹³ *Ibidem*, p. 138.

⁴¹⁴ *Ibidem*, p. 138.

⁴¹⁵ *Ibidem*, p. 138 (1 sp.); Al. Popeea, Peuce, 4, 1973-1975, pp. 176-179 (1 sp.).

⁴¹⁶ Gh. Mănuu-Adameșteanu and E. Petac, *Monede romane și bizantine descoperite la Nufăru, jud. Tulcea*, Pontica, 35-36, 2002-2003, p. 426; along with the specimens in fn. 417 and 418 are mentioned other finds from Justinian, Tiberius II and Maurice, without sufficient information.

⁴¹⁷ *Ibidem*, p. 426.

⁴¹⁸ B. Mitrea, *Descoperiri recente și mai vechi de monede antice și bizantine în RSR*, SCIV, 17, 1966, p. 425.

⁴¹⁹ I. Dimian, SCN, I, 1957, p. 194.

⁴²⁰ T. Papasima, Pontica, 28-29, 1995-1996, p. 282.

⁴²¹ Antoaneta Vertan, G. Custurea and G. Talmațchi, Pontica, 31, 1998, p. 322.

⁴²² E. Oberländer-Târnoveanu, Peuce, 14, 2003, p. 376, fn. 109.

55. OVIDIU (Constantza County).Justinian I - 1K (CON)⁴²³. Justin II - 1E (CON)⁴²⁴.**56. PALAZU MARE (Constantza County)**Justinian I - 1K (CON)⁴²⁵.**57. PANTELIMON-ULMETUM (Constantza County)**Justin I - 1M (NIC)⁴²⁶. Justinian I - 5M (CON)⁴²⁷+1K (NIC)⁴²⁸+1K (CYZ)⁴²⁹+1M (ANT)⁴³⁰+1K (ANT)⁴³¹. Justin II - 2M (CON)⁴³²+1K (THE)⁴³³+1M (NIC)⁴³⁴+1M (ANT)⁴³⁵. Tiberius II Constantine - 1 tremissis (CON)⁴³⁶+1M (CON)⁴³⁷.Maurice Tiberius - 3 solidi (CON)⁴³⁸+1K (CON)⁴³⁹+1M (CYZ)⁴⁴⁰. Heraclius - 1M (CON)⁴⁴¹.**58. PĂCUIUL LUI SOARE⁴⁴² (Ostrov, Constantza County)**Anastasius I - 1M (CON)⁴⁴³+1K (CON)⁴⁴⁴. Justin I - 2M (CON)⁴⁴⁵+ 1K (CON)⁴⁴⁶. Justinian I - 4M (CON)⁴⁴⁷. Justin II - 5M (CON)⁴⁴⁸+3K (THE)⁴⁴⁹+2K (NIC)⁴⁵⁰+1K (CYZ)⁴⁵¹+1K⁴⁵². Maurice Tiberius - 1M (CON)⁴⁵³+1I⁴⁵⁴.**59. PIATRA-FRECĂȚEI (Tulcea County)**Justinian I - 9 AE⁴⁵⁵. Justin II - 4 AE⁴⁵⁶.**60. PIETRENI⁴⁵⁷ (Deleni, Constantza County)**

Justinian I - 1M (CON).

61. PÂRJOAIA⁴⁵⁸ (Izvoarele, Constantza County)

Anastasius I - 2K+4E. Justin I - 6K+3I. Justinian I - 3M+4K+2IS+12I+8E. Justin II - 3M+12K+5I. Tiberius II Constantine - 2I. Maurice Tiberius - 1K (THE). Sixthc. - 40 AE.

⁴²³ Antoaneta Vertan and G. Custurea, Pontica, 14, 1981, p. 342.⁴²⁴ Ibidem, Pontica, 16, 1983, p. 312.⁴²⁵ Gh. Poenaru Bordea and Al. Popea, SCIVA, 27, 1976, 2, p. 220.⁴²⁶ V. Pârvan, *op. cit.*, II, p. 59-60.⁴²⁷ Ibidem, p. 59-60 (2 sp.); Antoaneta Vertan and G. Custurea, Pontica, 28-29, 1995-1996, pp. 319-320 (3 sp.).⁴²⁸ V. Pârvan, *op. cit.*, II, pp. 59-60.⁴²⁹ Antoaneta Vertan and G. Custurea, Pontica, 28-29, 1995-1996, pp. 319-320.⁴³⁰ V. Pârvan, *op. cit.*, II, pp. 59-60.⁴³¹ Ibidem, pp. 59-60.⁴³² Ibidem, pp. 59-60 (2 sp.).⁴³³ Antoaneta Vertan and G. Custurea, Pontica, 28-29, 1995-1996, pp. 319-320.⁴³⁴ Ibidem, Pontica, 15, 1982, p. 284.⁴³⁵ Ibidem, Pontica, 28-29, 1995-1996, pp. 319-320.⁴³⁶ V. Pârvan, *op. cit.*, II, pp. 59-60.⁴³⁷ Ibidem, III, pp. 17-18.⁴³⁸ Ibidem, II, pp. 59-60.⁴³⁹ Ibidem, pp. 59-60.⁴⁴⁰ Ibidem, III, pp. 17-18.⁴⁴¹ B. Mitrea, SCIV, 17, 1966, 2, p. 413.⁴⁴² G. Custurea and T. Papasima, *Monede bizantine descoperite la Păcuiul lui Soare*, Pontica, 25, 1992, pp. 364-365; B. Mitrea, in: P. Diaconu and P. Vâlceanu, *Păcuiul lui Soare. Cetatea Bizantină*, I, 1972, p. 189.⁴⁴³ B. Mitrea, in P. Diaconu and P. Vâlceanu, *op. cit.*, p. 189.⁴⁴⁴ G. Custurea and T. Papasima, Pontica, 25, 1992, p. 364.⁴⁴⁵ B. Mitrea, in P. Diaconu and P. Vâlceanu, *op. cit.*, p. 189 (2 sp.).⁴⁴⁶ G. Custurea and T. Papasima, Pontica, 25, 1992, p. 364.⁴⁴⁷ Ibidem, p. 364 (4 sp.).⁴⁴⁸ Ibidem, p. 364 (1 sp.); B. Mitrea, in P. Diaconu and P. Vâlceanu, *op. cit.*, p. 189 (4 sp.).⁴⁴⁹ G. Custurea and T. Papasima, Pontica, 25, 1992, p. 365 (3 sp.).⁴⁵⁰ B. Mitrea, in P. Diaconu and P. Vâlceanu, *op. cit.*, p. 189 (2 sp.).⁴⁵¹ G. Custurea and T. Papasima, Pontica, 25, 1992, p. 365.⁴⁵² Ibidem, p. 365.⁴⁵³ B. Mitrea, in P. Diaconu and P. Vâlceanu, *op. cit.*, p. 189.⁴⁵⁴ G. Custurea and T. Papasima, Pontica, 25, 1992, p. 365.⁴⁵⁵ A. Petre, *Săpăturile de la Piatra Frecăței*, Materiale, 8, 1962, p. 579 (1 sp.); D. Vâlceanu and Al. Barnea, SCIVA, 26, 1975, 1, p. 215 (8 sp.).⁴⁵⁶ D. Vâlceanu and Al. Barnea, SCIVA, 26, 1975, 1, p. 215 (4 sp.).⁴⁵⁷ R. Ocheșanu and Gh. Papuc, Pontica, 8, 1975, p. 443.⁴⁵⁸ B. Mitrea, SCIV, 17, 1966, 2, pp. 413-414; here are mentioned also 40 specimens of small denomination attributed all to Justin I, highly unlikely thow, choosing therefore a larger attribution.

62. POPINA (Sarichioi, Tulcea County)Justin II - 1 AE⁴⁵⁹.**63. SACIDAVA (Muzait, Constantza County)**Justin I - 1M (CON)⁴⁶⁰. Justinian I - 1M (CON)⁴⁶¹+1K (CON)⁴⁶². Justin II - 1K (CON)⁴⁶³+1M (NIC)⁴⁶⁴. Maurice-1K (CON)⁴⁶⁵+2K (THE)⁴⁶⁶. Heraclius - 1M (CON)⁴⁶⁷.**64. SARAIU (Constantza County)**Anastasius I - 1M (CON)⁴⁶⁸.**65. SATU NOU (Constantza County)**Anastasius I - 3M (CON)⁴⁶⁹+1K (CON)⁴⁷⁰. Justin I - 2M (CON)⁴⁷¹+2K (CON)⁴⁷² +1M (CYZ)⁴⁷³. Justinian I - 1 solidus (CON)⁴⁷⁴+3M (CON)⁴⁷⁵+1K (CON)⁴⁷⁶+1M (ANT)⁴⁷⁷. Justin II - 2K (THE)⁴⁷⁸+1M⁴⁷⁹. Maurice Tiberius - 1K (THE)⁴⁸⁰.**66. SĂLCIOARA (Unirea, Tulcea County)**Maurice Tiberius - 1K (CON)⁴⁸¹.**67. SCHITU⁴⁸² (Constantza County)**

Anastasius- 2M (CON). Justinian I - 2M (CON)+1M (NIC).

68. SEIMENI (Constantza County)Justinian I - 1M (NIC)⁴⁸³.**69. SF. GHEORGHE (Tulcea County)**Justin II - 1E⁴⁸⁴.**70. SINOE⁴⁸⁵ (Mihai Viteazu, Constantza County)**

Anastasius I - 1M (CON). Justin I - 1M (CYZ). Justinian I - 1M (NIC). Heraclius - 1K (THE).

71. SLAVA CERCHEZĂ (Tulcea County)Justinian I -1M (CON)⁴⁸⁶.⁴⁵⁹ E. Oberländer-Târnoveanu, Peuce, 14, 2003, p. 376, fn. 112.⁴⁶⁰ Antoaneta Vertan and G. Custurea, Pontica, 14, 1981, p. 343.⁴⁶¹ Ibidem and G. Talmațchi, Pontica, 32, 1999, p. 354.⁴⁶² Ibidem, p. 354.⁴⁶³ Ibidem, p. 354.⁴⁶⁴ Ibidem, p. 354.⁴⁶⁵ Ibidem, p. 354.⁴⁶⁶ Ibidem, p. 354.⁴⁶⁷ Ibidem, p. 354.⁴⁶⁸ I. Dimian, SCN, 1, 1957, p. 190.⁴⁶⁹ Antoaneta Vertan, G. Custurea and G. Talmațchi, Pontica, 32, 1999, p. 355 (1 sp.); G. Custurea, *Descoperiri arheologice și numismatice pe raza localității Satu Nou (com. Olina, jud. Constanța)*, Pontica, 33-34, 2000-2001, p. 591 (2 sp.).⁴⁷⁰ G. Custurea, Pontica, 33-34, 2000-2001, p. 591.⁴⁷¹ Ibidem, p. 591 (1 sp.); Antoaneta Vertan, G. Custurea and G. Talmațchi, Pontica, 32, 1999, p. 355 (1 sp.).⁴⁷² G. Custurea, Pontica, 33-34, 2000-2001, p. 591 (2 sp.).⁴⁷³ Antoaneta Vertan and G. Custurea, Pontica, 28-29, 1995-1996, p. 318.⁴⁷⁴ R. Ocheșanu, BSNR, 77-79, 1983-1985, 131-133, p. 192.⁴⁷⁵ Antoaneta Vertan, G. Custurea and G. Talmațchi, Pontica, 32, 1999, p. 355 (1 sp.); G. Custurea, Pontica, 33-34, 2000-2001, p. 591 (2 sp.).⁴⁷⁶ G. Custurea, Pontica, 33-34, 2000-2001, p. 591.⁴⁷⁷ Antoaneta Vertan, G. Custurea and G. Talmațchi, Pontica, 32, 1999, p. 355.⁴⁷⁸ Ibidem, p. 591 (2 sp.).⁴⁷⁹ Ibidem, p. 591.⁴⁸⁰ Ibidem, p. 591.⁴⁸¹ M. Mănucu-Adameșteanu and Gh. Poenaru Bordea, *Mărturii numismatice privind locuirea antică de pe teritoriul satului Sălcioara, com. Unirea, jud. Tulcea*, BSNR, 86-87, 1992-1993, p. 125.⁴⁸² I. Dimian, SCN, 1, 1957, p. 192.⁴⁸³ T. Papasima and Antoaneta Vertan, *Monede romane și bizantine inedite din colecția muzeului constănțean*, Pontica 28-29, 1995-1996, p. 276.⁴⁸⁴ B. Mitrea, *Descoperiri de monede antice și bizantine în România*, BSNR, 67-69, 1973-1975, 121-123, p. 326.⁴⁸⁵ I. Dimian, SCN, 1, 1957, p. 200.⁴⁸⁶ Gh. Poenaru Bordea, SCN, 4, 1968, p. 401.

72. SLAVA RUSĂ- (L)IBIDA (Tulcea County)

Anastasius I - 1M (CON)⁴⁸⁷+1K (CON)⁴⁸⁸. **Justinian I** - 1M (CON)⁴⁸⁹+1K (THE)⁴⁹⁰+2I (CON)⁴⁹¹. **Justin II** - 4M (CON)⁴⁹²+2M (NIC)⁴⁹³+1E (NIC)⁴⁹⁴+1K (CYZ)⁴⁹⁵. **Maurice Tiberius** - 1K (CON)⁴⁹⁶+1K (THE)⁴⁹⁷+1M (NIC)⁴⁹⁸+1M⁴⁹⁹. **Heraclius** - 1M (CON)⁵⁰⁰.

73. ȘIPOSELE (Constantza County)

Justin II -3K (THE)⁵⁰¹.

74. TÂRGUȘOR (Constantza County)

Justin I - 1K (ANT)⁵⁰². **Justinian I** - 1 tremissis (CON)⁵⁰³+2M (CON)⁵⁰⁴+1I (CON)⁵⁰⁵+1M (NIC)⁵⁰⁶+2I (NIC)⁵⁰⁷. **Justin II** - 2K (THE)⁵⁰⁸+1M (NIC)⁵⁰⁹+1K (CYZ)⁵¹⁰. **Maurice**- 1K (NIC)⁵¹¹. **Phocas** - 1M (CON)⁵¹².

75. TOPOLOG (Tulcea County)

Heraclius - 1 AE⁵¹³.

76. TUFANI⁵¹⁴ (Constantza County)

Justinian I - 1K (CON)+1K (THE). **Justin II** - 1K (THE). **Phocas** - 1I (CON).

77. TULCEA-AEGYSSUS⁵¹⁵ (Tulcea County)

Anastasius- 1M⁵¹⁶. **Justinian I** - 1 solidus (CON)⁵¹⁷+1M (CON)⁵¹⁸. **Tiberius II Constantine** - 1M (NIC)⁵¹⁹. **Maurice Tiberius** - 1 solidus (CON)⁵²⁰. **Heraclius** - tremissis⁵²¹+1M (CON)⁵²².

78. TURCOAIA-TROESMIS (Tulcea County)

⁴⁸⁷ A. Opaî, Cristina Opaî and T. Bănică, *Complexul monastic paleocreștin de la Slava Rusă*, BMI, 59, 1990, I, p. 28.

⁴⁸⁸ E. Oberländer-Târnoveanu, Peuce, 8, 1980, p. 509.

⁴⁸⁹ Antoaneta Vertan and G. Custurea, Pontica, 28-29, 1995-1996, p. 318.

⁴⁹⁰ A. Opaî, Cristina Opaî and T. Bănică, BMI, 59, 1990, I, p. 28.

⁴⁹¹ *Ibidem*, p. 28 (2 sp.).

⁴⁹² E. Oberländer-Târnoveanu, Peuce, 8, 1980, p. 509 (1 sp.); A. Opaî, Cristina Opaî and T. Bănică, BMI, 59, 1990, I, p. 28 (3 sp.).

⁴⁹³ E. Oberländer-Târnoveanu, Peuce, 8, 1980, p. 509 (1 sp.); A. Opaî, Cristina Opaî and T. Bănică, BMI, 59, 1990, I, p. 28 (1 sp.).

⁴⁹⁴ A. Opaî, Cristina Opaî and T. Bănică, BMI, 59, 1990, I, p. 28.

⁴⁹⁵ *Ibidem*, p. 28.

⁴⁹⁶ *Ibidem*, p. 28.

⁴⁹⁷ *Ibidem*, p. 28.

⁴⁹⁸ E. Oberländer-Târnoveanu, Peuce, 8, 1980, p. 509.

⁴⁹⁹ A. Opaî, Cristina Opaî and T. Bănică, BMI, 59, 1990, I, p. 28.

⁵⁰⁰ Antoaneta Vertan and G. Custurea, Pontica, 28-29, 1995-1996, p. 318.

⁵⁰¹ Idem and G. Talmațchi, Pontica, 31, 1998, p. 323.

⁵⁰² Antoaneta Vertan and G. Custurea, *Descoperiri monetare în Dobrogea (VI)*, Pontica, 17, 1984, pp. 252-253.

⁵⁰³ Gh. Poenaru Bordea, *Actes...*, p. 203.

⁵⁰⁴ Antoaneta Vertan and G. Custurea, Pontica, 17, 1984, pp. 252-253 (1 sp.); Idem and G. Talmațchi, Pontica, 31, 1998, p. 323 (1 sp.).

⁵⁰⁵ Antoaneta Vertan and G. Custurea, Pontica, 21-22, 1988-1989, p. 381.

⁵⁰⁶ Idem, Pontica, 17, 1984, pp. 252-253.

⁵⁰⁷ *Ibidem*, p. 252-253 (1 sp.); Idem and G. Talmațchi, Pontica, 31, 1998, p. 323 (1 sp.).

⁵⁰⁸ Antoaneta Vertan and G. Custurea, Pontica, 17, 1984, pp. 252-253 (1 sp.); Idem and G. Talmațchi, Pontica, 31, 1998, p. 323 (1 sp.).

⁵⁰⁹ Antoaneta Vertan, G. Custurea and G. Talmațchi, 32, Pontica, 32, 1999, p. 355.

⁵¹⁰ Antoaneta Vertan and G. Custurea, Pontica, 17, 1984, pp. 252-253.

⁵¹¹ Idem, G. Talmațchi, Pontica, 32, 1999, p. 355.

⁵¹² *Ibidem*, p. 355.

⁵¹³ E. Oberländer-Târnoveanu, Peuce, 14, 2003, p. 376, fn. 119.

⁵¹⁴ Vertan, G. Custurea, G. Talmațchi, Pontica, 32, 1999, p. 357.

⁵¹⁵ I. Dimian, SCN, I, 1957, p. 200; B. Mitrea, *Descoperiri recente și mai vechi de monede antice și bizantine în RPR*, SCIV, 14, 1963, 2, p. 474; E. Oberländer-Târnoveanu, Peuce, 8, 1980, p. 509; Idem, *Monede bizantine din secolele VII-X descoperite în nordul Dobrogei*, SCN, 7, 1980, p. 163.

⁵¹⁶ I. Dimian, SCN, I, 1957, p. 200.

⁵¹⁷ B. Mitrea, SCIV, 14, 1963, 2, p. 473.

⁵¹⁸ E. Oberländer-Târnoveanu, Peuce, 8, 1980, p. 509.

⁵¹⁹ I. Dimian, SCN, I, 1957, p. 200.

⁵²⁰ B. Mitrea, SCIV, 14, 1963, 2, p. 473.

⁵²¹ E. Oberländer-Târnoveanu, Peuce, 14, 2003, p. 376, fn. 122.

⁵²² Idem, SCN, 7, 1980, p. 163.

Anastasius I - 1 AE⁵²³. **Justinian I** -4M (CON)⁵²⁴+4I (CON)⁵²⁵+1K (THE)⁵²⁶ +1IS (THE)⁵²⁷+1M (NIC)⁵²⁸+1M (CYZ)⁵²⁹+1I (ROM)⁵³⁰+1I⁵³¹. **Justin II** - 4M (CON)⁵³² +4K (THE)⁵³³+1M (CYZ)⁵³⁴+1E (ANT)⁵³⁵+1M (CHE)⁵³⁶. **Maurice Tiberius** - 1K (CON)⁵³⁷+1K (ANT)⁵³⁸.

79. TUZLA (Constantza County)

Justin II - 1 AE⁵³⁹.

80. VALEA TEILOR (Tulcea County)

Justin II - 1 AE⁵⁴⁰.

81. VALUL LUI TRAIAN (Constantza County)

Justin I - 1M (NIC)⁵⁴¹.

82. VĂCĂRENI (Jijila, Tulcea County)

Justinian I - 2 AE⁵⁴². **Maurice Tiberius** - 1K (THE)⁵⁴³.

83. VETERANU (Peștera, Constantza County)

Justin II - 1K (THE)⁵⁴⁴.

84. VIILE⁵⁴⁵ (Ion Corvin, Constantza County)

Anastasius I - 1M (CON). **Justinian I** - 1M (NIC). **Justin II** - 1M (CON).

PASSIM

I. DOBRUDJA

Anastasius I - 1M (CON)⁵⁴⁶+1K (CON)⁵⁴⁷+1K (ANT)⁵⁴⁸+1K⁵⁴⁹. **Justin I** - 1I (CON)⁵⁵⁰+3E (CON)⁵⁵¹. **Justinian I** -1 tremis (CON)⁵⁵²+4M (CON)⁵⁵³+2K (CON)⁵⁵⁴+2I (CON)⁵⁵⁵+2M (NIC)⁵⁵⁶+1I

⁵²³ I. Barnea, Dacia, N. S., 4, 1960, p. 373.

⁵²⁴ Antoaneta Vertan and G. Custurea, Pontica, 25, 1992, pp. 393-394 (4 sp.).

⁵²⁵ Oberländer-Târnoveanu, Peuce, 8, 1980, p. 274, 277-278 (3 sp.); A. Popescu, M. Iacob and I. Georgescu, CN, 7, 1996, p. 94 (1 sp.).

⁵²⁶ Oberländer-Târnoveanu, Peuce, 8, 1980, p. 277.

⁵²⁷ *Ibidem*, p. 277.

⁵²⁸ *Ibidem*, p. 264.

⁵²⁹ *Ibidem*, p. 277.

⁵³⁰ *Ibidem*, p. 267.

⁵³¹ A. Popescu, M. Iacob and I. Georgescu, CN, 7, 1996, p. 94.

⁵³² Oberländer-Târnoveanu, Peuce, 8, 1980, p. 264 (1 sp.); Antoaneta Vertan and G. Custurea, Pontica, 25, 1992, p. 393-394 (2 sp.); A. Popescu, M. Iacob, I. Georgescu, CN, 7, 1996, p. 94 (1 sp.).

⁵³³ C. Chiriac and O. Bounegru, *Noi descoperiri arheologice și numismatice la Troesmis*, Peuce, 4, 1973-1975, pp. 101-102 (1 sp.); Oberländer-Târnoveanu, Peuce, 8, 1980, p. 267 (2 sp.); Antoaneta Vertan and G. Custurea, Pontica, 25, 1992, pp. 393-394 (1 sp.).

⁵³⁴ C. Chiriac and O. Bounegru, Peuce, 4, 1973-1975, pp. 101-102.

⁵³⁵ Oberländer-Târnoveanu, Peuce, 8, 1980, p. 267.

⁵³⁶ *Ibidem*, p. 267.

⁵³⁷ C. Chiriac and O. Bounegru, Peuce, 4, 1973-1975, pp. 101-102.

⁵³⁸ Oberländer-Târnoveanu, Peuce, 8, 1980, p. 274.

⁵³⁹ Idem, Peuce, 14, 2003, p. 376, fn. 123.

⁵⁴⁰ *Ibidem*, p. 376, fn. 125.

⁵⁴¹ Antoaneta Vertan, G. Custurea and G. Talmațchi, Pontica, 32, 1999, p. 361.

⁵⁴² E. Oberländer-Târnoveanu, Peuce, 14, 2003, p. 376, fn. 124.

⁵⁴³ Gh. Poenaru Bordea and R. Ocheșanu, BSNR, 86-87, 1992-1993, 140-141, p. 88.

⁵⁴⁴ Antoaneta Vertan, G. Custurea and G. Talmațchi, Pontica, 32, 1999, p. 361.

⁵⁴⁵ T. Papasima, Pontica, 28-29, 1995-1996, pp. 280, 282.

⁵⁴⁶ Idem, *Monede bizantine din câteva colecții particulare*, Pontica, 24, 1991, pp. 395-397.

⁵⁴⁷ C. Chiriac, *Monede grecești, romane și bizantine în Dobrogea*, Pontica, 16, 1983, p. 329.

⁵⁴⁸ Antoaneta Vertan and G. Custurea, Pontica, 19, 1986, p. 301.

⁵⁴⁹ C. Chiriac, Pontica, 16, 1983, p. 329.

⁵⁵⁰ Antoaneta Vertan and G. Custurea, Pontica, 16, 1983, p. 312.

⁵⁵¹ Idem, Pontica, 19, 1986, pp. 301-303 (3 sp.).

⁵⁵² R. Ocheșanu, BSNR, 77-79, 1983-1985, 131-133, p. 192.

⁵⁵³ Idem and Gh. Papuc, Pontica, 6, 1973, p. 378 (1 sp.); C. Chiriac, Pontica, 16, 1983, pp. 329-331 (1 sp.); T. Papasima, Pontica, 24, 1991, pp. 395-397.

⁵⁵⁴ C. Chiriac, Pontica, 16, 1983, pp. 329-331 (1 sp.); Antoaneta Vertan and G. Custurea, Pontica, 19, 1986, pp. 301-303 (1 sp.).

⁵⁵⁵ Antoaneta Vertan and G. Custurea, Pontica, 19, 1986, pp. 301-303 (2 sp.).

⁵⁵⁶ *Ibidem*, p. 301-303 (1 sp.); Idem, Pontica, 17, 1984, p. 253 (1 sp.).

(NIC)⁵⁵⁷+2M (CYZ)⁵⁵⁸+1K (ANT)⁵⁵⁹+ 1M⁵⁶⁰. **Justin II** - 2 solidi⁵⁶¹+1 solidus (CON)⁵⁶²+5M (CON)⁵⁶³+8E (CON)⁵⁶⁴+8K (THE)⁵⁶⁵+ 2M (NIC)⁵⁶⁶+1E (NIC)⁵⁶⁷+1M (ANT)⁵⁶⁸. **Tiberius II Constantine** - 1E (CON)⁵⁶⁹. **Maurice Tiberius** - 1 solidus (CON)⁵⁷⁰+1M (CON)⁵⁷¹+1K (CON)⁵⁷²+1K (CHE)⁵⁷³. **Phocas** - 2K (CON)⁵⁷⁴+1K (CAR)⁵⁷⁵. **Heraclius** - 2M (CON)⁵⁷⁶+1M (RAV)⁵⁷⁷.

II. NORTHERN DOBRUDJA⁵⁷⁸

Justin I - 1M (CON). **Justinian I** - 7M (CON)⁵⁷⁹+2K (CON)+2I (CON)+2M (NIC)+1K (NIC)+1I (NIC)+1M (CYZ)+1M (ANT)+1K (ANT). **Justin II** - 4M (CON)+1K (CON)+3K (THE)+3M (NIC)⁵⁸⁰+1M (CYZ)⁵⁸¹+1K (CYZ). **Tiberius II Constantine** - 1M (ANT)⁵⁸². **Maurice Tiberius** - 3M (CON)+1K (THE)+1M (NIC). **Phocas** - 1M (CON)+3K (CON). **Heraclius** - 1M (CYZ).

B. HOARDS⁵⁸³

1. ADAMCLISI - TROPAEUM TRAJANI (Constantza County)

I. 1908⁵⁸⁴. Found in a ceramic jug near the basilica „cisternă” inside the town walls. It includes 76-77 copper coins, a gold ring and 25 gold coins, the latter possibly indicating that the hoard might be the treasure of the town Church. Only 49 specimens are still available, with the last coin dated 584/5.

⁵⁵⁷ Ibidem, Pontica, 16, 1983, p. 312.

⁵⁵⁸ R. Ocheșanu and Gh. Papuc, Pontica, 6, 1973, p. 378 (1 sp.); C. Chiriac, Pontica, 16, 1983, pp. 329-331 (1 sp.).

⁵⁵⁹ Antoaneta Vertan and G. Custurea, Pontica, 19, 1986, pp. 301-303.

⁵⁶⁰ B. Mitrea, SCIV, 17, 1966, 2, p. 425.

⁵⁶¹ Ibidem, Pontica, 14, 1963, 2, p. 472 (2 sp.).

⁵⁶² R. Ocheșanu, BSNR, 77-79, 1983-1985, 131-133, p. 192.

⁵⁶³ Ibidem and Gh. Papuc, Pontica, 6, 1973, p. 378 (1 sp.); Al. Popeea, BSNR, 67-69, 1973-1975, 121-123, pp. 119-120 (1 sp.); C. Chiriac, Pontica, 16, 1983, pp. 329-331 (1 sp.); Antoaneta Vertan and G. Custurea, Pontica, 19, 1986, pp. 301-303 (2 sp.).

⁵⁶⁴ Antoaneta Vertan and G. Custurea, Pontica, 16, 1983, p. 312 (8 sp.).

⁵⁶⁵ C. Chiriac, Pontica, 16, 1983, pp. 329-331 (1 sp.); Antoaneta Vertan and G. Custurea, Pontica, 16, 1983, p. 312 (3 sp.); Ibidem, Pontica, 19, 1986, pp. 301-303 (3 sp.); Ibidem and G. Talmățchi, Pontica, 31, 1998, p. 324 (1 sp.).

⁵⁶⁶ Al. Popeea, BSNR, 67-69, 1973-1975, 121-123, p. 119-120 (1 sp.); ; Antoaneta Vertan and G. Custurea, Pontica, 19, 1986, pp. 301-303 (1 sp.).

⁵⁶⁷ Antoaneta Vertan and G. Custurea, Pontica, 16, 1983, p. 312.

⁵⁶⁸ Al. Popeea, *Câteva monede bizantine*, BSNR, 67-69, 1973-1975, 121-123, pp. 119-120.

⁵⁶⁹ Antoaneta Vertan and G. Custurea, Pontica, 19, 1986, pp. 301-303.

⁵⁷⁰ R. Ocheșanu, BSNR, 77-79, 1983-1985, 131-133, p. 192.

⁵⁷¹ Antoaneta Vertan and G. Custurea, Pontica, 19, 1986, pp. 301-303.

⁵⁷² Ibidem, pp. 301-303.

⁵⁷³ Al. Popeea, BSNR, 67-69, 1973-1975, 121-123, pp. 119-120.

⁵⁷⁴ C. Chiriac, Pontica, 16, 1983, pp. 329-331; G. Custurea, Pontica, 19, 1986, p. 277.

⁵⁷⁵ Gh. Poenaru and I. Donoiu, *Contribuții la studiul pătrunderii monedelor bizantine în Dobrogea în secolele VII-X*, BSNR, 75-76, 1981-1982, 129-130, p. 237.

⁵⁷⁶ B. Mitrea, SCIV, 17, 1966, 2, p. 425 (2 sp.).

⁵⁷⁷ Gh. Poenaru and I. Donoiu, BSNR, 75-76, 1981-1982, 129-130, p. 237.

⁵⁷⁸ All the coins in the catalogue except for the specimens in fn. 579-582 are published in: Gh. Poenaru Bordea and V. H. Baumann, Peuce, 4, 1973-1975, pp. 153-157.

⁵⁷⁹ E. Oberländer-Târnoveanu and Cristina Opaiț, Peuce, 9, 1984, p. 277 (1 sp.).

⁵⁸⁰ M. Petrescu-Dâmbovița, *op. cit.*, p. 12 (1 sp.).

⁵⁸¹ Ibidem, p. 12.

⁵⁸² Ibidem, p. 12.

⁵⁸³ Apart from the hoards presented in the article there is a number of hoards either uncertain as a hoard or of its finding place or comprising precious metal coins during the 7th century after the end of the coin circulation in Scythia: Constantza 1938, 5 AE (Heraclius-Constans) published by a collector who had the information from another collector (I. Dimian, SCN, I, 1957, p. 197) and considered afterwards as being a hoard or part of a hoard (D. M. Metcalf, *Some coins and Coin Hoards from the reign of Heraclius*, BSA, 57, 1962, p. 20, fn. 29); Valea Teilor, 2 AR (Constans II-Constantine IV; E. Oberländer-Târnoveanu, SCN, 7, 1980, p. 163). The coin hoards found in the Bulgarian part of Dobrudja (Silistra, Zaldapa, Kavarna, Bălgarevo) will be included in future contributions hopefully along with the single coin finds.

⁵⁸⁴ B. Mitrea, *Découvertes monétaires en Roumanie*, Dacia, N. S., 24, 1980, p. 376; R. Ocheșanu, SCN, 11, 1995, pp. 163-182.

EMPEROR /YEARS	MINT/ DENOMINATION/ NUMMIA					
	CON	THE	NIC	CYZ	ANT	TOTAL
JUSTINIAN I						
538-539	1K					1/20
539-540	1M		1M			2/80
541-542	2K					2/40
542-543	1M					1/40
543-544				1M		1/40
544-545	1M					1/40
545-546				1M		1/40
550-551				1M	1M	2/80
551-552					1M	1/40
554-555					1M	1/40
555-556	1M		1K	1M	1M	4/140
557-558	1M					1/40
TOTAL	8/260	0	2/60	4/160	4/160	18/640
JUSTIN II						
568-569	1M	1K				2/60
569-570	2M		3M			5/200
570-571	2M		5M			7/280
571-572	2M					2/80
572-573			1M			1/40
573-574	2M	1K	2M			5/180
574-575		2K	3M			5/160
TOTAL	9/360	4/80	14/560	0	0	27/1000
MAURICE						
583-584	2M			1M		3/120
584-585	1M					1/40
TOTAL	3/120	0	0	1/40	0	4/160
OVERALL	20/740	4/80	16/620	5/200	4/160	49/1800

II. 1993⁵⁸⁵. Found in a late Roman tower, the small deposit includes 13 AE, the last being dated 590/591.

EMPEROR /YEARS	MINT/ DENOMINATION/ NUMMIA					
	CON	THE	NIC	CYZ	ANT	TOTAL
JUSTIN II						
570-571			1M			1/40
571-572					1M	1/40
572-573					2M	2/80
573-574	1M					1/40
575-576	1M					1/40
577-578					2M	2/80
TOTAL	2/80	0	1/40	0	5/200	8/320

⁵⁸⁵ Ioana Bogdan Cătănciu and Gh. Poenaru Bordea, BSNR, 90-91, 1996-1997, pp. 85-95.

EMPEROR /YEARS	MINT/ DENOMINATION/ NUMMIA					
	CON	THE	NIC	CYZ	ANT	TOTAL
TIBERIUS II						
581-582		1K				1/20
TOTAL	0	1/20	0	0	0	1/20
MAURICE						
585-586	1K					1/20
589-590	1M			1M		2/80
590-591			1M			1/40
TOTAL	2/60	0	1/40	1/40	0	4/140
OVERALL	4/140	1/20	2/80	1/40	5/200	13/480

2. AXIOPOLIS⁵⁸⁶ (Cernavodă, Constantza County)

1899. Found in a chamber close to the northern gate, it includes 1 semissis and 5 tremissis:

Justinian I - 1 tremissis.

Justin II - 1 tremissis.

Tiberius II Constantine - 1 semissis +3 tremissis.

3. CONSTANTZA-ANADOLCHIOI

1929⁵⁸⁷. Found outside the town walls of ancient Tomis in a residential area of the modern city, it contains 400 coins of which 383 were eventually recovered. A number of 252 specimens are prior to the Anastasian reform. The last dated coins in the hoard are two half-folles from 545/6.

EMPEROR /YEARS	MINT/ DENOMINATION/ NUMMIA						
	CON	THE	NIC	CYZ	ANT	?	TOTAL
ANASTASIUS I							
507-512	3M						3/120
512-518	7M/2K						9/320
TOTAL	12/440	0	0	0	0	0	12/440
JUSTIN I							
518-522	18M/3K	1B	3M	1M			26/942
522-527	21M/6K/2E		4M				33/1130
518-527			1K	1K			2/40
TOTAL	50/1750	1/2	8/300	2/60	0	0	61/2112
JUSTINIAN I							
527-532	3M						3/120
532-537	25M				1M		26/1040
527-538	4K		5M	1M		1M	11/360
538-565	2E						2/10
539-540	1M/2K						3/80
541-542	2M/2K						4/120
542-543	1M/1K						2/60
543-544	1M/1I		1K				3/70
544-545	1M		1M				2/80
545-546	2K						2/40
TOTAL	48/1600	0	7/260	1/40	1/40	1/40	58/1980
OVERALL	110/3790	1/2	15/560	3/100	1/40	1/40	131/4532

⁵⁸⁶ Gh. Poenaru Bordea and R. Ocheșanu, BSNR, 77-79, 1983-1985, 131-133, pp. 177-179.

⁵⁸⁷ B. Mitrea, Pontica, 16, 1983, pp. 239-262; Gh. Poenaru Bordea and E. Nicolae, *Minimi din tezaurul descoperit la Constanța în cartierul Anadolchioi*, BSNR, 80-85, 1986-1991, 134-139, pp. 101-115.

4. ISTRUS (Constantza County)

I. 1950 „Thermes”⁵⁸⁸. Found in a drain near the thermae, it comprises 22AE with the last one dated 593/4.

EMPEROR /YEARS	MINT/ DENOMINATION/ NUMMIA					
	CON	THE	NIC	CYZ	?	TOTAL
JUSTINIAN I						
527-538	1K		1K			2/40
546-547	1I					1/10
551-552	1K					1/20
558-559	1I					1/10
527-565	1E					1/5
TOTAL	5/65	0	1/20	0	0	6/85
JUSTIN II						
566-567	1M					1/40
568-569		1K				1/20
574-575		1K	1K			2/40
565-578				2E		2/10
TOTAL	1/40	2/40	1/20	2/10	0	6/110
MAURICE						
588-589			1K			1/20
591-592	1K	1K				2/40
592-593	2K					2/40
593-594	1M					1/40
uncertain					1M/1K	2/60
TOTAL	4/100	1/20	1/20	0	2/60	8/200
UNCERTAIN					2K	2/40
OVERALL	10/205	3/60	3/60	2/10	4/100	22/435

II. 1950 „Temple”⁵⁸⁹. Found in an early byzantine chamber in the section called „Temple”, it contains 21 AE, the last specimen being dated 594/5.

EMPEROR /YEARS	MINT/ DENOMINATION/ NUMMIA				
	CON	THE	NIC	ANT	TOTAL
JUSTINIAN I					
527-538	1M				1/40
TOTAL	1/40	0	0	0	1/40
JUSTIN II					
568-569		2K			2/40
571-572	1M		1M		2/80
572-573			2M		2/80
573-574	1M				1/40
574-575	1M				1/40
575-576	1M		1M		2/80
TOTAL	4/160	2/40	4/160	0	10/360

⁵⁸⁸ Gh. Poenaru Bordea in Al. Suceveanu, *op. cit.*, pp. 157-158; H. Nubar in C. Preda and H. Nubar, *op. cit.*, pp. 231-233.

⁵⁸⁹ S. Dimitriu, *Histria I*, București, 1954, p. 472; H. Nubar in C. Preda and H. Nubar, *op. cit.*, pp. 229-231.

TIBERIUS II					
581-582	1M		1M		2/80
TOTAL	1/40	0	1/40	0	2/80
MAURICE					
585-586	1M				1/40
587-588	1M/1K				2/60
589-590	1M				1/40
590-591			1M		1/40
591-592				1K	1/20
594-595	1M		1M		2/80
TOTAL	5/180	0	2/80	1/20	8/280
OVERALL	11/420	2/40	7/280	1/20	21/760

III. 1950 „Passim”⁵⁹⁰. Discovered in uncertain circumstances it contains 10 AE, with the reserve that some of the specimens might be part of the „Temple” deposit, found during the same archaeological excavations. The last coin is dated 600/1.

EMPEROR /YEARS	MINT/ DENOMINATION/ NUMMIA				
	CON	NIC	ANT	?	TOTAL
JUSTIN II					
565-566	1M				1/40
570-571	1M				1/40
572-573	1M				1/40
573-574	1M				1/40
TOTAL	4/160	0	0	0	4/160
TIBERIUS II					
579-580		1M			1/40
580-581				1M	1/40
TOTAL	0	1/40	0	1/40	2/80
MAURICE					
585-586	1M				1/40
589-590	1M		1M		2/80
600-601				1M	1/40
TOTAL	2/80	0	1/40	1/40	4/160
OVERALL	6/240	1/40	1/40	2/80	10/400

IV. 1954 „Economic”⁵⁹¹. Found in the Roman thermae, it includes 12 AE and the last coin is a follis from 597/8.

EMPEROR /YEARS	MINT/ DENOMINATION/ NUMMIA					
	CON	THE	NIC	CYZ	ANT	TOTAL
JUSTIN II						
567-568	1K					1/20
569-570					1M	1/40
570-571	1K					1/20
571-572			2M			2/80

⁵⁹⁰ H. Nubar in C. Preda and H. Nubar, *op. cit.*, p. 231.

⁵⁹¹ *Ibidem*, pp. 228-229.

574-575	1M	1K				2/60
TOTAL	3/80	1/20	2/80	0	1/40	7/220
TIBERIUS II						
580-581	1M					1/40
TOTAL	1/40					1/40
MAURICE						
587-588	1K					1/20
588-589				1M		1/40
589-590	1K					1/20
597-598	1M					1/40
TOTAL	3/80			1/40		4/120
OVERALL	7/200	1/20	2/80	1/40	1/40	12/380

5. MURIGHIOL (Tulcea County)

I. 1982⁵⁹². The small hoard was found during the archaeological excavations and it comprises 9 AE ending in 574/5.

EMPEROR /YEARS	MINT/ DENOMINATION/ NUMMIA				
	CON	NIC	CYZ	ANT	TOTAL
JUSTIN I					
522-527	1K				1/20
TOTAL	1/20	0	0	0	1/20
JUSTINIAN I					
556-557		1M			1/40
557-558			1M		1/40
TOTAL	0	1/40	1/40	0	2/80
JUSTIN II					
570-571	1M				1/40
571-572		1M			1/40
572-573		1M		1K	2/60
573-574	1M				1/40
574-575			1M		1/40
TOTAL	2/80	2/80	1/40	1/20	6/220
OVERALL	3/100	3/120	2/80	1/20	9/320

⁵⁹² Cristina Opaît, *Descoperiri monetare în fortificația de la Independența, județul Tulcea* Peuce, 10, 1991, pp. 477-478; Gh. Poenaru Bordea, in Al. Suceveanu et al., *op. cit.*, pp. 163-165.

II. 1985⁵⁹³. Found in a chamber inside the fortress, it is made of 39 AE, the last specimen being dated 576/7.

EMPEROR /YEARS	MINT/ DENOMINATION/ NUMMIA						
	CON	THE	NIC	CYZ	ANT	?	TOTAL
ANASTASIUS I							
512-518	5M						5/200
TOTAL	5/200	0	0	0	0	0	5/200
JUSTIN I							
522-527	1M/1K						2/60
TOTAL	2/60	0	0	0	0	0	2/60
JUSTINIAN I							
527-538	3M						3/120
539-540			1K	1M			2/60
542-543				1K			1/20
543-544			1M				1/40
552-553					1K		1/20
562-563		2K					2/40
TOTAL	3/120	2/40	2/60	2/60	1/20	0	10/300
JUSTIN II							
566-567		1K					1/20
565-578	1M						1/40
568-569	1K		2M				3/100
569-570	1M	1K	1M				3/100
570-571	2M		1K		1I		4/110
571-572	2M		1K				3/100
572-573	1M						1/40
573-574	1M						1/40
575-576	1M						1/40
576-577	1M						1/40
TOTAL	11/420	2/40	5/160	0	1/10	0	19/630
JUSTIN I / JUSTINIAN I							
522-538	1M						1/40
JUSTINIAN I / JUSTIN II							
538-578						1I	1/10
OVERALL	22/840	4/80	7/220	2/60	2/30	1/10	38/1240

6. OLTINA-CÂȘLA⁵⁹⁴ (Constantza County)

Anastasius I – 1 AE.

Justinian I – 1 AE.

Justin II – 4 AE.

Maurice Tiberius – 2 AE.

The last coin is dated 591-592.

⁵⁹³ Cristina Opaît, Peuce, 10, 1991, pp. 478-481; Gh. Poenaru Bordea, in Al. Suceveanu et al., *op. cit.*, pp. 165-170.

⁵⁹⁴ E. Oberländer-Târnoveanu, Peuce, 14, 2003, p. 377, fn. 138.

7. SATU NOU⁵⁹⁵ (Tulcea County)

1912. On the Danube's bank were found 25 coins all being attributed at that moment to Justinian

I. The present location of the coins is unknown.

8. SLAVA RUSĂ⁵⁹⁶ (Tulcea County)

1988. During the excavation of a sixth century monastery near Slava Rusă 8 solidi were found, probably struck at the metropolitan mint.

Justinian I - 1 AV

Maurice Tiberius - 7 AV

9. TOPALU⁵⁹⁷ (Constantza County)

The hoard was found north of Topalu on the Danube's right bank and it includes 55AE. When first published by I. Dimian, the coins were attributed without exception to Justinian I, but later on Gh. Poenaru Bordea noticed three demi-folles dated with regnal years I, II, III, therefore attributed to Justin II. Still, the hoard, with unknown present whereabouts, contains a follis struck at Cyzicus during the regnal year 7 and, if the date was correctly read by I. Dimian, the last coin in the hoard should be dated 571/2 instead of 567/8.

EMPEROR /YEARS	MINT/ DENOMINATION/ NUMMIA							
	CON	THE	NIC	CYZ	ANT	ALE	?	TOTAL
JUSTINIAN I								
527-538	7M/3K	2IS		1K	2M/1K			16/492
Uncertain				1M			3M	4/160
539-540	1M							1/40
540-541	1M							1/40
541-542	2M							2/80
545-546	1M							1/40
546-547				2M				2/80
547-548					1M			1/40
554-555					1M			1/40
556-557	4I							4/40
561-562			2I					2/20
527-565						2IB		2/24
TOTAL	19/580	2/32	2/20	4/140	5/180	2/24	3/120	36/1096
JUSTIN II								
565-566		1K						1/20
566-567		1K						1/20
567-568		1K						1/20
565-578	8E		4E	2E	1E			15/75
TOTAL	8/40	3/60	4/20	2/10	1/5	0	0	18/135
OVERALL	27/620	5/92	6/40	6/150	6/185	2/24	2/120	54/1231

⁵⁹⁵ C. Moisil, BSNR, 11, 1914, 22, p. 55; Gh. Poenaru Bordea, B. Mitrea, *Découvertes monétaires en Roumanie*, Dacia, N. S., 35, 1991, p. 218.

⁵⁹⁶ Gh. Poenaru Bordea, B. Mitrea, *Découvertes monétaires en Roumanie*, Dacia, N. S., 33, 1989, p. 265; Idem, Dacia, N. S. 34, 1990, p. 307.

⁵⁹⁷ I. Dimian, SCN, 1, 1957, pp. 191-192; Gh. Poenaru Bordea, *Actes...*, pp. 206-207; V. Popović, *op.cit.*, Numizmatičar, 4, 1981, p. 113.

APPENDIX

A. STRAY / SINGLE FINDS

Table 1. Coins with certain date.

YEARS	NUMBER OF COINS/ NUMMIA/ MINT										
	CON	THE	NIC	CYZ	ANT	ALE	CAR	ROM	RAV	?	TOTAL
498-507	4/140										4/140
507-512	13/360										13/360
512-518	42/1240		3/70		2/60						47/1370
518-522	33/1040		1/40								34/1080
522-527	32/890		2/80	1/40							35/1010
518-527	46/1470		9/240		2/40					15/230	72/1980
527	3/120				1/20						4/140
527-532	13/580				2/40					1/40	16/660
532-538	20/780				4/90						24/870
527-538	75/2250	1/16	7/260		5/160					4/160	92/2846
538-539	11/300		3/120	1/20	1/40						16/480
539-540	10/360		3/100		3/100		3/60				19/620
540-541	7/240		1/40				1/10				9/290
541-542	13/460		2/60	1/20						2/50	18/590
542-547		2/32									2/32
542-543	5/110		2/80	1/40							8/230
543-544	11/370		2/60	1/40						1/10	15/480
544-545	4/105	1/20	2/60								7/185
545-546	2/80		2/80	2/60	1/40						7/260
546-547	6/140	1/20								2/30	9/190
547-548	5/130		1/40	3/100				2/20			11/290
548-549	7/170			3/120	1/20						11/310

549-550	4/80		1/20								5/100
550-551	2/50				1/20						3/70
551-552	1/20			1/40	2/40						4/100
547-552		1/16									1/16
552-553	3/60		2/40	1/40	3/100						9/240
553-554	3/60										3/60
554-555	3/100		2/50		1/40						6/190
555-556	5/170		1/40								6/210
556-557	5/110		4/40							2/20	11/170
557-558	6/160			1/40	1/40						8/240
558-559	3/90		5/60	1/10						2/20	11/180
559-560	2/20		2/30	1/10	2/80						7/140
560-561	1/10		1/10								2/20
561-562	5/80	1/20	3/30					1/10		1/10	11/150
562-563	3/60	5/100	3/30								11/190
563-564	1/10	4/80	3/30							2/20	10/140
564-565	1/10	2/40			1/20						4/70
565-566	3/120	1/20	1/40	1/10							6/190
566-567	3/120	9/170	2/80								14/370
567-568	9/260	16/320	3/120	1/40						1/40	30/780
568-569	18/700	21/420	4/140							1/40	44/1300
569-570	24/860	21/420	7/260	1/40	4/55						57/1635
570-571	20/720	5/120	11/400	2/40	1/40						39/1320
571-572	16/520	7/140	11/360								34/1020
572-573	9/300	6/120	4/120	2/60						1/20	22/620
573-574	9/360		5/180	2/60	1/40						17/640
574-575	15/520	19/380	10/360	6/200							50/1460
575-576	4/160	7/140	4/140		1/40						16/480

576-577	5/200		2/60	3/60							10/320
577-578	1/40	6/120									7/160
578-579	6/230	1/20	2/80		2/80						11/410
579-580					2/80						2/80
580-581	4/160		3/120								7/280
581-582	2/80			1/40	2/80						5/200
582-583	2/50	3/60	1/40								6/150
583-584	7/160	3/60		1/40							11/260
584-585	4/120	2/40	1/20	1/40							8/220
585-586	5/180	4/70									9/250
586-587	7/180	6/120	2/40		1/20					1/20	17/380
587-588	5/140	2/40	7/220	4/120							18/520
588-589	6/180		1/20	1/40							8/240
589-590	9/240			1/40							10/280
590-591	6/240			1/20							7/260
591-592	7/180	7/140	3/120		2/40						19/480
592-593	4/80	2/40		2/60							8/180
593-594	3/80	1/20			2/40						6/140
594-595	3/120	3/60	1/40	1/40	1/20						9/280
595-596	1/40										1/40
596-597	1/20	2/40	1/40								4/100
597-598	3/100										3/100
598-599											0
599-600	1/20										1/20
600-601	1/20	2/40									3/60
601-602		3/60									3/60
602-603	1/20			1/40							2/60
603-604	5/200		1/20	2/40	1/40						9/300

604-605	3/120		2/40	1/20							6/180
605-606	1/40		1/20	1/40							3/100
606-607	4/160		3/120	1/20			1/20				9/320
607-608	1/40		2/70								3/110
608-609			1/20		1/20						2/40
609-610			1/40								1/40
610-611	2/60										2/60
611-612	1/40		1/20	1/40							3/100
612-613	4/160										4/160
613-614	5/200		1/40								6/240
614-615	3/120										3/120
615-616	1/40										1/40
616-617		1/20									1/20
617-618											0
618-619											0
619-620											0
620-621											0
621-622											0
622-623											0
623-624											0
624-625											0
625-626									1/40		1/40
626-627											0
627-628											0
628-629						1/12					1/12
629-630	1/40										1/40
TOTAL	667 /21225	178 /3544	166 /5100	55 /1730	54 /1545	1 /12	5 /90	3 /30	1 /40	36 /710	1167 /34026

Table 2. Coins with uncertain date.

EMPEROR	NUMBER OF COINS/ NUMMIA/ MINT							
	CON	THE	NIC	CYZ	AL E	CHE	?	TOTAL
Anastasius I	1/20						10/180	11/200
Justinian I	22/520	4/72	5/110	1/40	1/33		48/810	81/1585
Justin II	40/460	13/260	9/75	3/30		1/40	48/940	114/1805
Tiberius II	5/65	1/20	8/180				3/40	17/305
Maurice	8/145	3/60		1/10		1/20	12/295	25/530
Phocas	16/290	4/80	1/40	2/60			7/180	30/650
Heraclius	3/100						1/20	4/120
6th c.	6/240	4/80	2/80				51/650	63/1050
TOTAL	101 /1840	29 /572	25 /485	7 /140	1 /33	2 /60	180 /3115	345 /6245

Table 3. A comparative survey upon reigns and monetary reforms⁵⁹⁸

EMPEROR	% OF THE COEFFICIENTS FOLLES/YEAR OF REFORM							
	Reform	Tomis	Istrus	Noviodunum	Dinogetia	Halmyris	MNHAC	DOBRUDJA
Anastasius I	498-512	1.29	0.56	0.25	1.60	0.26	1.33	0.78
	512-518	3.27	6.06	6.48	6.57	6.61	6.03	5
Justin I	518-527	14.85	7.06	10.30	8.81	10.23	11.10	10.23
Justinian I	527-538	7.24	10.07	6.66	7.37	6.79	6.01	8.70
	538-542	7.62	9.31	2.16	20.03	17.65	9.49	10.83
	542-550	4.87	4.74	9.77	4.96	6	4.71	5.68
	550-565	5.41	2.18	3.11	2.08	2.91	4.23	3.19
Justin II	565-570	13.33	11.27	17.30	19.23	15	14.94	18.70
	570-578	14.24	18	18.85	20.99	20.91	19.24	16.49
Tiberius II	578-580	-	9.94	4.32	-	8.82	5	5.36
Constantine	580-582	3.81	9.94	8.65	-	-	6.94	5.25
Maurice	582-602	10.28	6.26	4.32	8.33	2.64	5.24	4.98
Phocas	602-610	13.79	4.24	8.04	-	1.58	5.69	4.81

⁵⁹⁸ Besides the present contribution described as “Dobrudja” gathering the results from the entire province, the figures provided for the cities included in the comparison are taken from the following sources: the collection of MNHAC (Museum of National History and Archaeology Constantza): Gh. Poenaru Bordea, R. Ocheșanu, SCIVA, 31, 1980, 2, pp. 377-396; Tomis: Th. Isvoranu, Gh. Poenaru Bordea, *Simpozion de numismatică*, 2003, pp. 137-161; Halmyris: Gh. Poenaru Bordea in Al. Suceveanu, M. Zahariade, Fl. Topoleanu, Gh. Poenaru Bordea, *op. cit.*, pp. 142-189; Istrus, Dinogetia and Noviodunum: Gh. Poenaru Bordea, E. Nicolae, A. Popescu, SCN, 11, 1995, pp. 135-161.

Table 4. A comparative survey upon mints

MINT	Tomis	Istrus	Noviodunum	Dinogetia	Halmyris	MNHAC	Dobrudja
Constantinople	58.50	63.26	55.22	57.53	60.74	61.38	59.28
Thessalonica	17.42	13.60	22.38	17.80	14.95	12.47	15.92
Nicomedia	13.27	13.26	14.17	17.80	15.88	16.59	14.76
Cyzicus	7.05	4.42	3.73	2.73	4.67	5.96	4.87
Antioch	2.90	4.42	2.23	2.73	3.73	3.03	4.17
Alexandria	0.41	-	-	-	-	-	0.15
Carthage	0.41	1.02	-	1.36	-	0.21	0.39
Sicily	-	-	-	-	-	0.10	-
Rome	-	-	0.72	-	-	-	0.23
Ravenna	-	-	-	-	-	-	0.08
Cherson	-	-	-	-	-	0.10	0.15
Itinerary	-	-	1.49	-	-	0.10	-

Table 6. Solidi/ year of reform (after W. Hahn)

Emperor	Reform	No. of folles	Folles/ Solidus	Solidi /Reform	Solidi/ Year of Reform	% Total	Position
Anastasius I	498-512	12.5	360	0.0347	0.0024	0.76%	XIV
	512-518	34.25	360	0.0951	0.0158	4.98%	VII
Justin I	518-527	105.25	360	0.2923	0.0324	10.21%	IV
Justinian I	527-538	109.4	360	0.3038	0.0276	8.70%	VI
	538-542	49.5	210	0.2357	0.0589	18.56%	I
	542-550	51.92	180	0.2884	0.0360	11.34%	III
	550-565	54.65	216	0.2350	0.0156	4.92%	VIII
Justin II	565-570	106.87	525	0.2035	0.0407	12.83%	II
	570-578	150.75	720	0.2093	0.0261	8.23%	VII
Tiberius II Constantine	578-580	12.25	216	0.0567	0.0283	8.92%	V
	580-582	12	600	0.02	0.01	3.15%	X
Maurice	582-602	113.75	600	0.1895	0.0094	2.96%	XI
Phocas	602-610	44	600	0.0733	0.0091	2.87%	XII
Heraclius	610-616	18	600	0.03	0.005	1.57%	XIII

Table 7. Solidi/year of reform (after J.-P. Callu)

Emperor	Reform	N. of folles	Folles/ Solidus	Solidi /Reform	Solidi/ Year of Reform	% Total	Position
Anastasius I	498-512	12.5	288	0.0434	0.0031	0.95%	XIV
	512-518	34.25	288	0.1189	0.0198	6.06%	VIII
Justin I	518-527	105.25	288	0.3654	0.0406	12.42%	III
Justinian I	527-538	109.4	288	0.3798	0.0345	10.55%	V
	538-542	49.5	210	0.2357	0.0589	18.01%	I
	542-550	51.92	180	0.2884	0.0360	11.01%	IV
	550-565	54.65	288	0.1897	0.0126	3.85%	IX
Justin II	565-570	106.87	525	0.2035	0.0407	12.45%	II
	570-578	150.75	720	0.2093	0.0261	7.98%	VI
Tiberius II	578-580	12.25	288	0.0425	0.0212	6.48%	VII
Constantine	580-582	12	600	0.02	0.01	3.06%	X
Maurice	582-602	113.75	600	0.1895	0.0094	2.87%	XI
Phocas	602-610	44	600	0.0733	0.0091	2.78%	XII
Heraclius	610-616	18	600	0.03	0.005	1.53%	XIII

B. HOARDS

Table 1. A comparison upon hoard composition and terminus post quem.

HOARD	EMPEROR/NUMMIA/ %						Last issue
	Anastasius I	Justin I	Justinian I	Justin II	Tiberius II	Maurice	
Anadolchioi	440 (9.73%)	2102 (46.48%)	1980 (43.79%)	0	0	0	545/546
Topalu	0	0	1096 (89.04%)	135 (10.96%)	0	0	567/568
Murighiol I	0	20 (6.25%)	80 (25%)	220 (68.75%)	0	0	574/575
Murighiol II	200 (16.81%)	60 (5.04%)	300 (25.21%)	630 (52.94%)	0	0	576/577
Adamclisi I	0	0	640 (35.56%)	1000 (55.56%)	0	160 (8.88%)	584/585
Adamclisi II	0	0	0	320 (66.66%)	20 (4.17%)	140 (29.17%)	590/591
Istros I	0	0	85 (19.54%)	110 (25.28%)	0	200 (45.97%)	593/594
Istros II	0	0	40 (5.26%)	360 (47.37%)	80 (10.53%)	280 (36.84%)	594/595
Istros IV	0	0	0	220 (57.89%)	40 (10.53%)	120 (31.58%)	597/598
Istros III	0	0	0	160 (40%)	80 (20%)	160 (40%)	600/601

Table 2. The coin distribution in hoards upon mints.

	MINT/NUMMIA/ %					
HOARD	CON	THE	NIC	CYZ	ANT	ALE
Anadolchioi	3790 (83.81%)	2 (0.04%)	550 (12.16%)	100 (2.21%)	40 (0.88%)	0
Topalu	620 (50%)	92 (7.42%)	40 (3.25%)	150 (12.18%)	185 (15.02%)	24 (1.95%)
Murighiol I	100 (31.25%)	0	120 (37.50%)	80 (25%)	20 (6.25%)	0
Murighiol II	840 (67.74%)	80 (6.45%)	220 (19.35%)	60 (4.84%)	30 (2.42%)	0
Adamclisi I	740 (41.11%)	80 (4.44%)	620 (34.45%)	200 (11.12%)	160 (8.88%)	0
Adamclisi II	140 (29.16%)	20 (4.16%)	80 (16.16%)	40 (8.37%)	200 (41.67%)	0
Istros I	205 (47.12%)	60 (13.79%)	60 (13.79%)	10 (2.30%)	0	0
Istros II	420 (55.26%)	40 (5.27%)	280 (36.84%)	0	20 (2.63%)	0
Istros IV	200 (52.63%)	20 (5.26%)	80 (21.05%)	40 (10.53%)	40 (10.53%)	0
Istros III	240 (60%)	0	40 (10%)	0	40 (10%)	0
AVERAGE	52.33%	4.20%	20.45%	7.65%	9.82%	0.19%

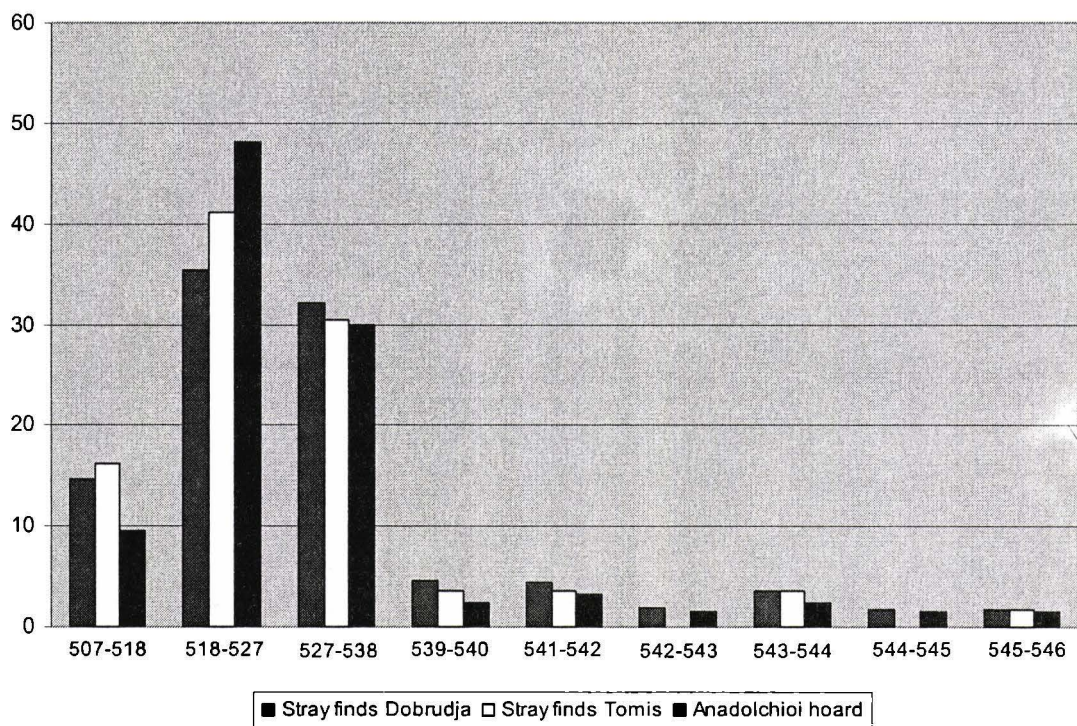
Table 3. A comparison upon denominations.

HOARD	DENOMINATION/ %						
	M	K	IS	IB	I	E	B
Anadolchioi	100 (76.34%)	25 (19.09%)	0	0	1 (0.76%)	4 (3.05%)	1 (0.76%)
Topalu	22 (40%)	8 (14.54%)	2 (3.64%)	2 (3.65%)	6 (10.90%)	15 (27.27%)	0
Murighiol I	7 (77.78%)	2 (22.22%)	0	0	0	0	0
Murighiol II	25 (65.79%)	11 (28.95%)	0	0	2 (5.26%)	0	0
Adamclisi I	41 (83.67%)	8 (16.33%)	0	0	0	0	0
Adamclisi II	11 (84.61%)	2 (15.39%)	0	0	0	0	0
Istros I	3 (13.63%)	14 (63.64%)	0	0	2 (9.10%)	3 (13.63%)	0
Istros II	17 (80.95%)	4 (19.05%)	0	0	0	0	0
Istros IV	7 (58.33%)	5 (41.67%)	0	0	0	0	0
Istros III	10 (100%)	0	0	0	0	0	0
%TOTAL	67.50%	21.94%	0.55%	0.55%	3.05%	6.11%	0.27%

Table 4. Stray finds vs hoard finds

A. Tomis-Anadolchioi

Years	Stray finds Dobrudja		Stray finds Tomis		Anadolchioi Hoard	
507-518	60	14.60%	9	16.07%	12	9.45%
518-527	145	35.28%	23	41.07%	61	48.03%
527-538	132	32.11%	17	30.35%	38	29.92%
539-540	19	4.62%	2	3.57%	3	2.36%
541-542	18	4.38%	2	3.57%	4	3.15%
542-543	8	1.95%	0	0	2	1.57%
543-544	15	3.65%	2	3.57%	3	2.36%
544-545	7	1.70%	0	0	2	1.57%
545-546	7	1.70%	1	1.78%	2	1.57%
TOTAL	411		56		127	



B. Halmyris

Years	Stray finds Halmyris		1985 hoard Halmyris	
	N. of coins	%	N. of coins	%
518-522	6	10	5	14.28
522-527	6	10	2	5.71
527-538	8	13.33	3	8.57
539-540	5	8.33	2	5.71
542-543	0	0	1	2.86
543-544	3	5	1	2.86
552-553	2	3.33	1	2.86
562-563	2	3.33	2	5.71
566-567	1	1.66	1	2.86
568-569	4	6.66	3	8.57
569-570	5	8.33	3	8.57
570-571	6	10	4	6.66
571-572	4	6.66	3	8.57
572-573	2	3.33	1	2.86
573-574	1	1.66	1	2.86
575-576	4	6.66	1	2.86
576-577	1	1.66	1	2.86
TOTAL	60		35	

C. Istrus

Years	Thermes	Temple	Passim	Economic	Stray f.
527-538	2	1			26
546-547	1	-			4
551-552	1	-			1
558-559	1	-			1
565-566	-	-	1		1
566-567	1	-	-		3
567-568	-	-	-	1	2
568-569	1	2	-	-	7
569-570	-	-	-	1	13
570-571	-	-	1	1	8
571-572	-	2	-	2	5
572-573	-	2	1	-	1
573-574	-	1	1	-	2
574-575	2	1	-	2	8
575-576	-	2	-	-	6
579-580	-	-	1	-	3
580-581	-	-	1	1	4
581-582	-	2	-	-	1
585-586	-	1	1	-	3

587-588	-	2	-	1	6
588-589	1	-	-	1	2
589-590	-	1	2	1	6
590-591	-	1	-	-	3
591-592	2	1	-	-	2
592-593	2	-	-	-	3
593-594	1	-	-	-	1
594-595		2	-	-	2
597-598			-	1	-
600-601			1		-