



INSTITUTE OF ARCHEOLOGY
AND ART HISTORY OF ROMANIAN
ACADEMY CLUJ-NAPOCA



UNIVERSITATEA TEHNICĂ
DIN CLUJ-NAPOCA

JAHA
JOURNAL OF ANCIENT HISTORY
AND ARCHAEOLOGY

editura
MEGA

Journal of Ancient History and Archaeology



Scopus[®]



Clarivate
Analytics



Central and Eastern European Online Library

EBSCO

© creative commons

Google
scholar

ERIH PLUS
EUROPEAN REFERENCE INDEX FOR THE
HUMANITIES AND SOCIAL SCIENCES

DOAJ DIRECTORY OF
OPEN ACCESS
JOURNALS

No. 11-4 / 2024

CONTENTS

STUDIES

ANCIENT HISTORY

Arturo SANCHEZ SANZ

NOMADIC VS. SEDENTARY. GENDER, PRODUCTION AND SOCIAL EVOLUTION IN THE EASTERN EURASIAN STEPPE BETWEEN THE CHALCOLITHIC AND THE BRONZE AGE.....3

Antonio RUIZ SÁNCHEZ, Sebastián URIBE RODRÍGUEZ

THE GIANT'S TRAIL: MOBILITY AND EXCHANGE OF WHALES AND THEIR BY-PRODUCTS IN ANTIQUITY (1ST CENTURY BC-5TH CENTURY AD).....13

Roxana-Gabriela CURCĂ, Lucrețiu MIHAILESCU-BÎRLIBA

WOMEN IN MILITARY DIPLOMAS FROM MOESIA INFERIOR. A PRELIMINARY STUDY.....25

ARCHAEOLOGY

Marius-Mihai CIUȚĂ, Anamaria TUDORIE

NEW DATA ON THE CULTURAL HORIZON OF EARLY NEOLITHIC POLYCHROME POTTERY IN TRANSYLVANIA. THE 432A COMPLEX FROM THE LIMBA-OARDA DE JOS-SITE (ALBA COUNTY).....30

Stanislav GRIGORIEV

THE RELATIONSHIP BETWEEN SOLAR AND VOLCANIC ACTIVITY AND THE CHRONOLOGY OF ARCHAEOLOGICAL CULTURES OF EURASIA IN THE 4TH-1ST MILLENNIA BC.....44

Davut YİĞİTPAŞA, Orhan Alper ŞİRİN

AMISOS ANCIENT CITY EXCAVATION AND POTTERIES.....57

Boaz ZISSU, Amir GANOR, Rina AVNER, Alon KLEIN

ARCHAEOLOGICAL EXPLORATIONS ABOVE AND BELOW GROUND AT HORVAT MIDRAS, JUDEAN FOOTHILLS, ISRAEL....86

Ovidiu ȚENȚEA, Vlad CĂLINA

ROMAN CAMPS IN ROMANIA. THE STATE OF RESEARCH.....127

Vitalie BÂRCĂ, Cristinel FÂNTÂNEANU, Anca MATIȘ, Cristian FLORESCU

ASPECTS OF THE FUNERARY RITE AND RITUAL IN THE SARMATAE CEMETERY OF TIMIȘOARA-HLADIK 1 (TIMIȘ COUNTY). PRELIMINARY OBSERVATIONS166

Albina YERZHANOVA, Gulzada SARGIZOVA, Yeraly AKYMBEK

THE SIGNIFICANCE AND USE OF ANIMAL SCAPULAS IN TALDYSAI SETTLEMENT.....199

ARCHAEOLOGICAL MATERIAL

Bariş GÜR, Sinan MİMAROĞLU

MYCENAEAN FEMALE FIGURINE AND ZOOMORPHIC VESSEL IN THE AYASULUK HILL IN WESTERN ANATOLIA.....204

Yaşar ARLI

PORTRAIT TYPES OF THE EMPERORS OF THE FLAVIAN DYNASTY PRESERVED IN ANATOLIA.....214

Dávid PETRUȚ

CAMP DRESS OR PARADE ARMOUR? AN EQUESTRIAN OFFICER COMMEMORATED ON A FUNERARY RELIEF FROM BRÂNCOVENEȘTI.....224

MATYAS Jozsef

A ROMAN TILE WITH THE PRINT OF A PINCER.....234

ARCHAEOLOGICAL MATERIAL AND REPORTS

Cristinel PLANTOS, Vitalie BÂRCĂ, Cristian Ioan POPA

AT THE BORDER. THE RESCUE ARCHAEOLOGICAL RESEARCH OF CĂMIN (SATU MARE COUNTY).....240

ARCHAEOLOGICAL TOPOGRAPHY

Florin-Gheorghe FODOREAN

MAPS OF ROMAN DACIA. VI. PHILLIPUS CLUVERIUS' MAP 'DACIARUM MOESIARUM ET THRACIAE VETUS ET NOVA DESCRIPTIO' (1629).....337

NUMISMATICS

Gabriel Mircea TALMAȚCHI

ARROWHEADS AND DOLPHINS: PRE-COINAGE MONETARY INSTRUMENTS FROM THE WESTERN BLACK SEA (5TH CENTURY BC).....341

REVIEWS

Roxana-Gabriela CURCĂ

ANNAMÁRIA-IZABELLA PÁZSINT, *PROSOPOGRAPHIA PONTI EUXINI. CALLATIS ET ODESSUS*, CLUJ-NAPOCA, MEGA PUBLISHING HOUSE, 2024, 308 P. ISBN: 978-606-020-707-8. ...348

Csaba SZABÓ

FEDERICA GATTO, FRANÇOISE VAN HAEPEREN (EDS.), *CULTES ET DIVINITÉS DANS LES CARRIÈRES ET LES MINES DE L'EMPIRE ROMAIN*, COLLECTION FERVET OPUS 10, PRESSES UNIVERSITAIRES DE LOUVAIN: LOUVAIN, 2023, 240P. ISBN: 978-2-39061-415-9.....350

ISSN 2360 266x
ISSN-L 2360 266x

Design & layout: Francisc Baja



EDITURA MEGA | www.edituramega.ro
e-mail: mega@edituramega.ro

MAPS OF ROMAN DACIA. VI. PHILLIPUS CLUVERIUS' MAP 'DACIARUM MOESIARUM ET THRACIAE VETUS ET NOVA DESCRIPTIO' (1629)

Abstract: We are continuing our series of studies on the maps of Roman Dacia with this short note about a map depicting the former province of Dacia: the map by Philippus Cluverius (1580–1622), *Daciarum, Moesiarum et Thraciae, vetus et nova descriptio* (1629).

Keywords: *Dacia, maps, topography, cartography.*

Florin-Gheorghe FODOREAN

Babes-Bolyai University Cluj-Napoca, Romania
fodorean_f@yahoo.com

DOI: 10.14795/j.v11i4.1153

ISSN 2360 – 266X

ISSN-L 2360 – 266X

1. INTRODUCTION

It is generally accepted that the study of the history of cartography has, in the last 50 years or so, generated a significant amount of literature. Researchers have not only understood the importance of the study of maps for different purposes, but they also recognized the value of the historical information embedded in these maps, which is useful for recreating, for example, the landscape of a certain region in a particular historical period. The great project of J. Brian Harley and David Woodward, *The History of Cartography*, initiated in 1987, is still in progress today. On the front cover of the first volume, published in 1987¹, the reader could already see the plan of the future volumes, indicated by titles: 1. *Cartography in Prehistoric, Ancient, and Medieval Europe and the Mediterranean*; 2. *Cartography in the Traditional Asian Societies*; 3. *Cartography in the Age of Renaissance and Discovery*; 4. *Cartography in the Age of Science, Enlightenment, and Expansion*; 5. *Cartography in the Nineteenth Century*; 6. *Cartography in the Twentieth Century*.

So far, the following volumes have been published: Volume one: *Cartography in Prehistoric, Ancient, and Medieval Europe and the Mediterranean*, ed. by J. Brian Harley, David Woodward, University of Chicago Press, 1987, 622 pages²; Volume two, book one: *Cartography in the Traditional Islamic and South Asian Societies*, ed. by J. B. Harley, David Woodward, The University of Chicago Press, 1992, 604 pages³; Volume two, book two: *Cartography in the Traditional East and Southeast Asian Societies*, ed. by J. B. Harley, David Woodward, The University of Chicago Press, 1994, 998 pages⁴; Volume two,

¹ The History of Cartography, Volume 1: Cartography in Prehistoric, Ancient, and Medieval Europe and the Mediterranean (uchicago.edu).

² Available online: History of Cartography: Volume One in PDF (uchicago.edu).

³ Available online: History of Cartography: Volume Two, Book One in PDF (uchicago.edu).

⁴ Available online: History of Cartography: Volume Two, Book Two in PDF (uchicago.edu).

book three: *Cartography in the Traditional African, Arctic, Australian, and Pacific Societies*, ed. by J. B. Harley, David Woodward, The University of Chicago Press, 1998, 500 pages⁵; Volume three, part 1: *Cartography in the European Renaissance*, ed. by David Woodward, The University of Chicago Press, 2007⁶; Volume three, part 2: *Cartography in the European Renaissance*, ed. by David Woodward, The University of Chicago Press, 2007, 2252 pages⁷; Volume four: *Cartography in the European Enlightenment*, ed. by Matthew H. Edney and Mary Sponberg Pedley, The University of Chicago Press, 2019, 1920 pages⁸; Volume 6: *Cartography in the Twentieth Century*, ed. by Mark Monmonier, The University of Chicago Press, 2015, 1960 pages⁹.

Volume five, entitled *Cartography in the Nineteenth Century*, is currently in preparation under the supervision of Prof. Roger J. P. Kain.¹⁰ Not only have these outstanding efforts been completed, but all volumes are available online.

Besides this exceptional project (a total of 8,856 pages), other contributions on this topic were published, especially during the 20th century.¹¹ The appearance of the journal *Imago Mundi*, and the publication of several important syntheses on the history of cartography,¹² sparked significant interest in the study of maps, their content, and their significance.

In recent years, we have focused part of our research on the representation of the former province of Dacia in ancient, medieval and modern cartography.¹³ In our most recent book, we presented and described 29 maps of the former Roman Dacia included in various publications (books, atlases) from the medieval and the modern periods, from the

16th century to the 19th century.¹⁴ We have made some general observations regarding these maps.¹⁵

2. PHILLIPUS CLUVERIUS (1580-DECEMBER 31, 1622)

Cluverius¹⁶ was born in Danzig in 1580 into an educated family. He studied law at the University of Leiden, but after meeting the scholar Joseph Justus Scaliger, he decided to pursue geography, even though geography was not an independent discipline at universities at the time.¹⁷ He became more involved in the study of antiquities when he began

¹⁴ FODOREAN 2022a, ch. 2 (The cartographic image of Dacia during the medieval and the modern ages: from the 16th century to the 19th century), 27–80, ch. 3 (Chapter 3. The representation of Roman Dacia in specialized books, atlases, and school manuals from the 18th century until 1945), 81–98 (2.1. Dacia in 1541. Laurent Fries (1485–1532), “*Europae tabula nona. Continet Iaziges Metanastas, Daciam, Mysiam superiorem*”, Trechsel, Vienne; 2.2. Dacia in 1612. “*Daciarum Moesiarum que, vetus descriptio*”, Abraham Ortelius (1527–1598) and “*Theatrum orbis terrarum*”; 2.3. “*Vetus Descriptio Daciarum nec non Moesiarum*” (approximately 1650). Dacia on the map of Petrus Kaerius (1571–1646?); 2.4. Giacomo Cantelli (1643–1695) and Dacia on the map “*Illyricum orientis: in quo partes II Moesia et Thracia, provinciae XI Moesia Prima, sive Superior, Praevalis, Dardania, Dacia Ripsis. Et Mediterranea, Moesia Secunda sive Inferior, et Scythia, Thracia, Haemimontus, Rhodope, et Europa*” (1692); 2.5. Edward Wells (1667–1727) and the map of Dacia (1700): “*A new map of Sarmatia Europaea, Pannonia and Dacia*”; 2.6. Christoph Weigel (1654–1725) and the map of Dacia (1720): “*Regiones Danubianae, Pannoniae Dacia Moesiae cum Vicino Illyrico*”; 2.7. Johann van der Bruggen (1695–1740) and the map of Dacia (1701–1750): “*Tabula Veteris Pannoniae, Daciae et Illyrici*”; 2.8. Luigi Ferdinando Marsigli (1658–1730): “*Theatrum Antiquitatum Romanarum in Hungaria: sive Mappa Geographica Regionum Danubio Circumjacentium, Pannoniarum, Daciarum, Mysiar: Etc. in Qvibus Antiquitates Romanae Svis Singulae Figuris in Hoc Tomo Descriptae Reperiuntur*” (1741); 2.9. Dacia in 1750: “*Dacia atque Moesia*”; 2.10. Giovanni Maria Cassini (1745–1824) and Dacia in 1801: “*La Pannonia la Dacia l’Illyrico e la Moesia*”; 2.11. Robert Wilkinson (approximately 1768–1825) and Dacia in 1823: “*Pannonia, Dacia, Illyricum et Moesia*”; 2.12. Adrien Hubert (1786–1832) and Dacia in 1826: “*Dacie ancienne, Pannonie, Illyrie, Moesie*”; 2.13. Aaron Jr. Arrowsmith (1802–1854) and Dacia in 1828: “*Illyricum, Dacia, Moesia, Macedonia et Thracia*”; 2.14. “*The Society for the Diffusion of Useful Knowledge*” and Dacia in 1830: “*Ancient Macedonia, Thracia, Illyria, Moesia, and Dacia*”; 2.15. Joseph Thomas and Dacia in 1835: “*Germania, Dacia*”; 2.16. “*Orbis Romanus ad Illustranda Itineraria*”: Pierre Lapie (1777–1850) and Dacia in 1845; 2.17. Karl Spruner von Merz (1803–1892) and Dacia in 1865: “*Pannonia, Illyricum, Dacia, Moesia, Thracia, Macedonia, Epirus*”; 2.17.1. The Justus Perthes map collection; 2.17.2. Karl Spruner von Merz and his atlases: “*Historisch-Geographischer Hand-Atlas*” (1854–1855) and “*Spruner-Menke Atlas antiquus*” (1865); 2.17.3. Map no. 15 from “*Spruner-Menke Atlas antiquus*”: “*Imperium Romanum inde a bello Actiaco usque a Diocletiani tempus*” (1865); 2.17.4. The map of Dacia in “*Spruner-Menke Atlas antiquus*” (1865); 2.17.5. Heinrich Theodor Menke (1819–1892) and his atlas “*Orbis antiqui descriptio*” (1865); 2.18. Louis Bonnefont (1825–1881) and Dacia in 1868: “*Dacia romana a Traiano Aug. Usquead Aureliani Aug. Tempus secundum A. Tr. Lauriani Tabulam Ab Lud; Bonnefont descripta*”; 2.19. William Smith (1813–1893) and Dacia in 1874: “*Thracia, Moesia, Illyria, Pannonia, Dacia*”; 2.20. Johann Gustav Ferdinand Droysen (1838–1908) and Dacia in 1886: “*Die unteren Donauländer zur Römerzeit*”; 3.1. Franz Josef Sulzer (1727–1791) and Dacia in 1781; 3.2. Johann Ferdinand Neugebauer (1783–1866) and Dacia in 1851: “*Übersichts Karte des Trajanischen Daciens*”; 3.3. Johann Michael Ackner (1782–1862) and the Roman discoveries from Transylvania in 1854; 3.4. Carl Gooss (1844–1881) and Dacia in 1874; 3.5. Torma Karoly (1829–1897) and Dacia in 1863; 3.6. Torma Karoly and Dacia in 1880: “*Eszaki Dacia terkepe*”; 3.7. Victoria Vaschide and the cartographic representation of Dacia in 1903; 3.8. “*Atlas istoric geografic al neamului romanesc*” and Dacia in 1920; 3.9. Constantin C. Giurescu and the map of Roman Dacia in 1942).

¹⁵ FODOREAN 2022a, 115–118.

¹⁶ Cluverus, or Cluver, Kluwer, Dams Public Website (antwerpen.be).

¹⁷ VAN DER HEIJDEN 2002, 222–244.

⁵ Available online: History of Cartography: Volume Two, Book Three in PDF (uchicago.edu).

⁶ Available online: History of Cartography: Volume Three, Part 1 in PDF (uchicago.edu).

⁷ Available online: History of Cartography: Volume Three, Part 2 in PDF (uchicago.edu).

⁸ Available online: The History of Cartography, Volume 4: Cartography in the European Enlightenment (uchicago.edu).

⁹ Available online: History of Cartography: Volume Six in PDF (uchicago.edu).

¹⁰ Volume 5, Cartography in the Nineteenth Century, Forthcoming - History of Cartography Project (wisc.edu).

¹¹ VALERIO 2008, 1–5. Available online: (99+) The History of Cartography in a Nutshell | Vladimiro Valerio - Academia.edu.

¹² Some examples: BEAZLEY 1897–1906 (The dawn of modern geography. A history of exploration and geographical science: Beazley, C. Raymond (Charles Raymond), 1868–1955: Free Download, Borrow, and Streaming: Internet Archive; The dawn of modern geography. A history of exploration and geographical science ...: Beazley, C. Raymond (Charles Raymond), 1868–1955: Free Download, Borrow, and Streaming: Internet Archive); MILLER 1895–1898; THOMSON 1948; BROWN 1949; BAGROW 1951; THROWER 1972; WALLIS 1973; WOODWARD 1974, 101–105; AUJAC 1975; CRONE 1978 (available online: Maps and their makers: an introduction to the history of cartography (archive.org); first edition 1953). It is interesting how the author defined the map, in the preface: ‘A map can be considered from several aspects, as a scientific report, a historical document, a research tool, and an object of art’; TOOLEY 1979; HARVEY 1980; JANNI 1984; DILKE 1985; HARLEY 1987, 1–42; BLACK 2000; ALEXANDER 2010; LIEBENBERG, DEMHARDT 2012; EDNEY 2019; EDNEY 2021 (available online: Origins of Map Libraries in the mid-Nineteenth Century — Mapping as Process).

¹³ FODOREAN 2014, 40–43; FODOREAN 2021, 47–51; FODOREAN 2022, 125–128; FODOREAN 2022a; FODOREAN 2023, 91–95; FODOREAN 2023a, 47–49.

working on a book entitled *Germania Antiqua*, which he wrote between 1611 and 1615. He was then offered the title of ‘geographus academicus’ by the University of Leiden.¹⁸ An extraordinary achievement was his trip in Italy. He covered approximately 3,700 kilometers in eight and a half months, accompanied by 21-year-old Lucas Holstenius.¹⁹

Regarding his publications, some of the best-known are: 1. *Commentarius de tribus Rheni alveis et ostiis, item de quinque populis quondam accolis, scilicet de Toxandris, Batavis, Caninefatibus, Frisiis ac Marsacis* (Leiden, Louis Elzevier, 1611), a book focusing on the study of the regions in the northwestern parts of the Rhine; 2. *Philippi Clüverii Germaniae Antiquae libri tres [. . .]. Adjectae sunt Vindelicia et Noricum ejusdem auctoris* (Leiden, Louis Elzevier, 1616), a book about the ancient Germania, reprinted in 1663 with the title *Philippi Cluverii Germania Antiqua cum Vindelicia et Norico. Auctoris methodo, verbis, et tabulis geographicis retentis contracta opera Johannis Bunonis*; 3. *Sicilia antiqua; cum minoribus insulis, ei adjacentibus. Item Sardinia et Corsica* (Leiden, Elzevier, 1619), a book resulting from his extensive travels in Italy and Sicily, covering approximately 3,700 kilometers; 4. *Italia antiqua; opus post omnium curas elaboratissimum; tabulis geographicis aere expressis illustratum* (Leiden, Elzevier, 1624), a masterpiece in cartography and historical geography, a book he was unable to finish due to illness, which eventually led to his death; 5. *Introductionis in universam Geographiam, tam veterem quam novam libri VI.22*, a sort of manual of geography, published posthumously in Leiden in 1624. The German editions published in 1729 contained 46 maps.²⁰

3. THE MAP OF PHILLIPUS CLUVERIUS (1580–1622): DACIARUM MOESIARUM ET THRACIAE VETUS ET NOVA DESCRIPTIO (1629)²¹

The map is entitled *Dacia Moesiarum et Thraciae Vetus et Nova Descriptio*. It was published in 1629 and included in

¹⁸ VAN DER HEIJDEN 2002, 226.

¹⁹ VAN DER HEIJDEN 2002, 226.

²⁰ VAN DER HEIJDEN 2002, 232–239. The maps are: ‘TABULAE GEOGRAPHICAE. I. Tabula Ventorum; II. Typus intervallorum variorum gentium; III. Schema demonstrans terram esse globosam; IV. Typus orbis terrarum, Orbis veteribus cognitum; V. Summa Europae antiquae descriptio; VI. Hispaniae veteris et novae descriptio; VII. Gallia antiqua et nova; VIII. Germaniae Cis-Rhenanae Tabula; IX. Helvetiae antiqua et nova descriptio; X. Hodiernae Belgicae, seu inferioris Germ. Tab.; XI. Veteris et novae Britanniae descriptio, XII. Populorum inter Rhenum et Albim descriptio; XIII. Suevia quae cis Codanum fuit finum; XIV. Vindeliciae et Norici descriptio; XV. Nova totius Germaniae descriptio; XVI. Regni Daniae delineatio; XVII. Suecia et Norvegia; XVIII. Italia antiqua. Italia antiqua Guillelmi de L’Isle; XIX. Italiae Gallicae seu Cisalpinae descriptio; XX. Etruria, Latium, Umbria; XXI. Campania, Samnium, Apulia; XXII. Italia nova; XXIII. Sicilia; XXIV. Sardinia et Corsica; XXV. Pannonia et Illyricum; XXVI. Hellas seu Graecia universalis; XXVII. Epirus. Graeciae pars meridionalis; XXVIII. Peloponessus; XXIX. Achaia; XXX. Macedonia et Thessalia; XXXI. Daciarum, Moesiarum, et Thraciae descriptio; XXXII. Sarmatia et Scythia; XXXIII. Poloniae Regnum; XXIV. Borussiae et et Cassubiae et nova Tabula; XXXV. Asia; XXXVI. Scythia et Tartaria Asiatica; XXXVII. Imperium Sinarum; XXXVIII. India Orientalis; XXXIX. Persia, Armenia, Assyria; XL. Chersonesus seu Natolia; XLI. Terra sancta; XLII. Syria; XLIII. Africa; XLIV. Aegyptus er Cyrenaica; XLV. Mauritania et Africa propria; XLVI. America.

²¹ Available at: Daciarum Moesiarum et Thraciae Vetus et Nova Descriptio - Barry Lawrence Ruderman Antique Maps Inc. (raremaps.com).

several editions of *Introductionis in universam Geographiam*. It contains some historical data from Ptolemy regarding the area of the former province of Dacia. Three regions are named on the map: *Dacia Ripensis* in the western area; *Dacia Mediterranea* in the center of the map; *Dacia Alpestris* in the east. The most striking feature of the map is the representation of the Danube River (*Danubius flu* on the map) which starts at *Tibiscum* and ends in the area of the Danube delta. Several Ptolemaic tribes are recorded: *Taurisci*, *Predavensii*, *Ratacensii*, *Biephi*, *Albocensii*, *Saldensii*, *Tervingi*, *Burrhi*, *Cingesi*, *Piephigi*, *Cotensii*, *Siginni*, *Cacoensii*, *Grutungi*, *Taiphali*. The *Carpates Mons* are depicted in the upper part of the map. Some ancient settlements are also mapped: *Tibiscum*, *Zeugma*, *Ulpia Traiana*, *Ulpianum*, *Netindava*.

In the southern part of the Danube River, *Moesia Superior* and *Moesia Inferior* are depicted, along with several settlements, including: *Taurunum*, *Tricornium*, *Pons Traiani*, *Rattiarua* (sic!), *Nicopolis*, *Marisca*, *Dorostorum* (sic!), *Axiopolis*, *Trosmis* (sic!), and *Arubium*.

The names of several modern settlements are also recorded on the map: *Zatmari*, *Zolnok*, *Gyula*, *Segedinum*, *Cenadium*, *Temesvar*, *Varadinum*, *Claudiopolis* / *Clauseburg* (sic!), *Alba Iulia*, *Cibinium* (*Hermanstat* sic!) etc. The river network is also depicted, including the main rivers north and south of the Danube River: *Pathissus flu*, *Rhabon flu*, *Aluta flu*, *Pruth fl*, *Timachus fl*, *Ciabrus fl* etc.

4. SHORT CONCLUDING OBSERVATIONS

As with other maps printed in the same period, roughly the 17th to 18th centuries, the map described in this study presents general information about the former province of Dacia, but these data is derived solely from Ptolemy’s *Geographia*, and was then combined with the names of settlements from the period of time when the map was produced. Therefore, what we noted in 2022 remains relevant for this cartographic product: ‘Generally, the settlements are not properly located on the maps. Obviously, this is a consequence of a mediocre knowledge of the topography of Dacia, attributable to the lack of archaeological research. This situation remained unchanged, with some exceptions, until the end of the 19th century’.²²

REFERENCES

ALEXANDER 2010

Alexander, I., *Copyright and Cartography: History, Law, and the Circulation of Geographical Knowledge* (Oxford: Hart Publishing).

AUJAC 1975

Aujac, G., *La géographie dans le monde antique* (Paris: Presses Universitaires).

BAGROW 1951

Bagrow, L., *History of Cartography* (London: Routledge).

BEAZLEY 1897–1906

Beazley, Ch. R., *The Dawn of Modern Geography: A History of Exploration and Geographical Science from the Conversion of the Roman Empire to A.D. 900* (London: Murray).

²² FODOREAN 2022, 116.

- BLACK 2000
Black, J., *Maps and History. Constructing Images of the Past* (Yale: Yale University Press).
- BROWN 1949
Brown, L. A., *The Story of Maps* (Boston: Dover Publications).
- CRONE 1978
Crone, G. R., *Maps and Their Makers: An Introduction to the History of Cartography* (London: Hutchinson's University Library).
- DILKE 1985
Dilke, O. A. W., *Greek and Roman Maps* (London: Thames and Hudson).
- EDNEY 2019
Edney, M., *Cartography. The Ideal and Its History* (Chicago: University of Chicago Press).
- EDNEY 2021
Edney, M., Origins of map libraries in the mid-nineteenth century. Origins of Map Libraries in the mid-Nineteenth Century — Mapping as Process.
- FODOREAN 2014
Fodorean, F., Maps of Roman Dacia. I. The map of Petrus Kaerius (1571–1646), *Journal of Ancient History and Archaeology* 1, 40–43.
- FODOREAN 2021
Fodorean, F.-Gh., Maps of Roman Dacia. II. Victoria Vaschide and the cartographic representation of Dacia in 1903, *Journal of Ancient History and Archaeology* 8/4, 47–51.
- FODOREAN 2022
Fodorean, F.-Gh., Maps of Roman Dacia. III. Map 21 Dacia-Moesia (1:1,000,000) in the Barrington Atlas of the Greek and Roman World, *Journal of Ancient History and Archaeology* 9/3, 125–128.
- FODOREAN 2022a
Fodorean, F.-Gh., Veteres descriptiones Daciae. Cartographic representation and perception of Roman Dacia from antiquity to the beginning of the 20th century (Cluj-Napoca: Mega).
- FODOREAN 2023
Fodorean, F.-Gh., Maps of Roman Dacia. IV. Grigore Tocilescu and “La Dacie romaine” in 1900, *Journal of Ancient History and Archaeology* 10/2, 91–95.
- FODOREAN 2023a
Fodorean, F.-Gh., Maps of Roman Dacia. V. Luigi Ferdinando Marsigli and Roman Dacia in 1726, *Journal of Ancient History and Archaeology* 10/3, 47–49.
- HARLEY 1987
Harley, J. B., The Map and the Development of the History of Cartography. In: Harley, J. B./Woodward, D. (eds.), *History of Cartography. Volume one: Cartography in Prehistoric, Ancient, and Medieval Europe and the Mediterranean* (Chicago: University of Chicago Press). The History of Cartography, Volume 1: Cartography in Prehistoric, Ancient, and Medieval Europe and the Mediterranean (uchicago.edu)
- HARVEY 1980
Harvey, P. D. A., *The History of Topographical Maps: Symbols Pictures and Surveys* (London: Thames and Hudson).
- JANNI 1984
Janni, P., *La mappae il periplo: Cartografia antica e spazio odologico* (Rome: Bretschneider).
- LIEBENBERG/DEMHardt 2012
Liebenberg, E./Demhardt, I. J., *History of Cartography. International Symposium of the ICA Comission, 2010* (Berlin/Heidelberg: Springer Verlag).
- MILLER 1895–1898
Miller, K., *Mappaemundi: Die ältesten Weltkarten* (6 vols. Stuttgart: J. Roth). Vol. 1, *Die Weltkarte des Beatus* (1895). Vol. 2, *Atlas von 16 Lichtdruck-Tafeln* (1895). Vol. 3, *Die kleineren Weltkarten* (1895). Vol. 4, *Die Herefordkarte* (1896). Vol. 5, *Die Ebstorfkarte* (1896). Vol. 6, *Rekonstruierte Karten* (1898).
- THOMSON 1948
Thomson, J. O., *History of Ancient Geography* (Cambridge: Cambridge University Press).
- THROWER 1972
Thrower, N. J. W., *Maps and Man: An Examination of Cartography in Relation to Culture and Civilization* (Englewood Cliffs, N.J.: Prentice-Hall).
- TOOLEY 1979
Tooley, R. V., *Tooley's Dictionary of Mapmakers* (New York: Alan Liss).
- VAN DER HEIJDEN 2002
Van der Heijden, H. A. M., Phillipus Cluverius and Dutch cartography: An introduction, *Quaerendo*. Summer/Autumn 2002, vol. 32, Issue 3/4, 222–244.
- WALLIS 1973
Wallis, H., The Map Collections of the British Museum Library. In: Wallis, H./Tyacke, S. (eds.), *My Head Is a Map: Essays and Memoirs in Honour of R. V. Tooley*, 3–20 (London: Francis Edwards and Carta Press).
- WOODWARD 1974
Woodward, D., The Study of the History of Cartography: A Suggested Framework, *American Cartographer* 1/2, 101–115.