

ARTICLE

Examination of Archaeological Attitudes toward the Publication of Unprovenanced Antiquities: The Example of Ancient Arms and Armor

Neil Brodie 

Independent Researcher, Brighton, United Kingdom
Email: njb1012redux@gmail.com

Abstract

This article explores archaeological practice as regards the study and publication of unprovenanced artifacts, particularly elements of ancient arms and armor. It describes the reasons why publication is thought to be prejudicial for archaeological research and considers the possible utility of some counterarguments by way of an examination of the publication policy of the European Association of Archaeologists. It concludes by arguing that archaeologists in favor of study and publication need to do more to validate their position.

Resumen

Este artículo explora la práctica arqueológica en lo que respecta al estudio y publicación de artefactos sin contexto, particularmente elementos de armas y armaduras antiguas. Describe las razones por las que se cree que la publicación es perjudicial para la investigación arqueológica y considera la posible utilidad de algunos contraargumentos a través de un examen de la política de publicaciones de la European Association of Archaeologists. Concluye argumentando que los arqueólogos que están a favor del estudio y la publicación necesitan hacer más para validar su posición.

Keywords: Illicit trade; unprovenanced artifacts; archaeologists; ancient militaria; publication policies

Palabras clave: comercio ilícito; artefactos sin contexto; arqueólogos; militaria antigua; políticas de publicación

When I was first approached to write this article, I was asked to reflect on my experiences researching the illicit trade in antiquities. I had already published some of my thoughts (Brodie 2018, 2023a; Brodie et al. 2021), and I decided that for this article, it would be interesting to “think out loud” about what I perceive to be some current archaeological attitudes toward the illicit trade and its products (unprovenanced archaeological artifacts), particularly as viewed through professional publication policies.

For me, one issue is that the illicit trade is not fully institutionalized as a recognized area of archaeological research, which means that there are no embedded methodologies or theoretical frameworks that might guide research or ethical debate. All too often, nonspecialist archaeologists publishing on the subject have not fully engaged with the relevant literature, sometimes referencing a few readily accessible articles while completely overlooking important and even foundational contributions to our understanding of the subject. Research suffers, and ethical decisions—divorced from any secure evidence base—become based on “common sense” at best or personal prejudice at worst. For example, when I first started out in the mid-1990s, one article stood out above all others as illuminating the problems the illicit trade posed to archaeological scholarship: David Gill and Christopher Chippindale’s (1993) “Material and Intellectual Consequences of Esteem for Cycladic Figures.” It was required reading for anyone interested in the subject, providing a set of empirically grounded arguments that established how the study of unprovenanced artifacts could be, as the title suggested, materially and intellectually harmful. But as 1993 recedes into the last century, it is becoming increasingly

common to find archaeological treatments of the illicit trade that fail to reference and indeed seem not even to be aware of the article. Unprovenanced artifacts are published without any consideration of their compromised research potential. Gill and Chippindale's work provides one entry point for this present article. I maintain that although archaeologists writing about the trade or researching unprovenanced material might not agree with Gill and Chippindale, they must at least engage with their arguments—not simply pass them by.

Another issue is that archaeologists do what archaeologists do: their research and practice are defined and constrained by their expertise and by disciplinary expectations. I am aware, for example, of several archaeological projects that have been proposed to map and repair the damage caused by looting in the 2010s of the Roman site of Dura-Europos in Syria. Mapping and conservation are recognized archaeological competencies. By way of contrast, I am unaware of any projects aiming to assess the material and intellectual consequences of the damage caused by looting for our understanding of the Roman Empire. In fact, as I will argue, I suspect that archaeologists will be more likely to study and publish looted artifacts from Dura-Europos as “positive” contributions to archaeological knowledge than to reflect on what has been lost. The looting of Dura-Europos provides a second entry point for this article. Over the past year or two, I have been thinking about what types of artifact are likely to have been looted and when and how they might appear on the market or in public or private collections. To start with, I have begun to familiarize myself with the subject of Roman military equipment and, more generally, ancient arms and armor. Some preliminary skirmishes with the literature, however, have suggested to me that it is accepted practice in the field to publish unprovenanced artifacts that are divorced from any known find spot or find context. Since Gill and Chippindale's (1993) “Material and Intellectual Consequences” at least, and even before then, I had assumed that the archaeological community considered such research to be unethical and of doubtful utility. Perhaps I was wrong.

To set the scene, I start this article with a brief account of the archaeology and looting of Dura-Europos, then highlight a comment I have found in the literature concerning the publication of unprovenanced Roman arms and armor. To place the comment in context, I then look back at Gill and Chippindale (1993) and what I consider to be some other seminal publications that have established how the study and publication of unprovenanced artifacts can be epistemologically challenging and potentially destructive. After introducing the subject of publication policies, I describe how the publication of a corpus of looted and illicitly traded helmets from the Iron Age site of Aratis in Spain might be in accordance with these policies. Following this, I develop a critique of the publication policy of the European Association of Archaeologists (EAA) by introducing the concept of “guilt-free publication.” Finally, I ask why the possible harmful consequences of publishing unprovenanced artifacts have not been systematically investigated by the archaeologists who publish them. One of the anonymous reviewers suggested that this article might be a work of intellectual biography. I view it more as a work of intellectual rumination with polemical overtones. It comprises an ultimately pessimistic account of some of my more recent experiences of archaeological attitudes as they relate to the illicit trade.

Before proceeding, I would like to explain what I mean when I use the terms “provenance” and “unprovenanced,” which can be a source of some confusion. By “provenance,” I mean the ownership or collecting history of an ancient artifact back to and including its modern place of discovery. Provenance is not the find spot or find context. By “unprovenanced,” I really mean incompletely provenanced. I use it to describe artifacts with a very limited, unverifiable, or completely absent provenance, such that neither its find spot nor its legitimacy can be established. By this definition, an unprovenanced artifact is a decontextualized artifact.

The Archaeology and Looting of Dura-Europos

Dura-Europos was a town on the west bank of the Euphrates River in what is today the Deir ez-Zor Governorate of the Syrian Arab Republic (Baird 2018; James 2019; Leriche et al. 2012). Founded in the Hellenistic period around 300 BC, it fell under Roman control sometime around 165 AD. During the third century AD, it functioned as a Roman garrison town until its capture after siege by the Sassanid

Persians in AD 256 or soon thereafter and its subsequent abandonment (though with some sporadic small-scale reoccupation). It was excavated between 1922 and 1924 by the French Académie des inscriptions et belles-lettres and again from 1928 to 1937 by Yale University in coordination with the Académie Française. These excavations uncovered rich architectural, textual, iconographic, and artifactual remains, largely from the Roman period of occupation. Of particular importance was the large assemblage of Roman military equipment that dates to the time of the final siege and that is protected by destruction deposits (James 2004). Careful analysis and interpretation of this material and its context has allowed a convincing reconstruction of some episodes of the fighting, including a gruesome account of mining and countermining operations under the town wall (James 2011). Dura-Europos is one of the most important excavated Roman sites, particularly in the eastern empire. In 1986, the Mission Franco-Syrienne de Doura-Europos embarked on conservation work and recommenced investigations at Dura-Europos, but the project was terminated by the outbreak of civil conflict in Syria in 2011. Serious looting was reported in 2013 at Dura-Europos at a time when the region was contested by the Free Syrian Army and Jabhat al-Nusra, and by April 2014, it was estimated from high-resolution satellite imagery that 76% of the area within the town walls had been damaged or destroyed. Outside the town walls in areas of Hellenistic and Roman cemeteries, approximately 3,750 individual looting pits were counted (American Association for the Advancement of Science 2014:5–9). By the end of 2014, Dura-Europos was under the control of the Islamic State of Iraq and Syria (ISIS) and looting was ongoing, but it has diminished since the military defeat of ISIS in 2017 (Brodie 2022:23–24).

Roman Arms and Armor

The looting of Dura-Europos has raised questions about the nature of looted archaeological material that might be appearing on the market or entering collections. Coins are an obvious contender. More than 14,000 coins were recovered during the 1928–1938 excavations, present either as individual (stray) finds or in hoards. The “hoards” comprised groups of Roman coins seemingly lost or buried around either AD 253 or AD 256—dates corresponding to Sassanian attacks on the town (Baird 2018:126–127; Bellinger 1949). Given the widespread use of metal detectors reported while the looting was ongoing (Brodie 2022:32) and the rich assemblage of Roman military equipment recovered during excavations, surviving elements of Roman arms and armor would seem to comprise another category of material likely to have been extracted from the site and smuggled out of Syria onto the international market.

I know precious little about Roman arms and armor, and to help me understand more, I turned to Thomas Fischer’s (2019) authoritative work, *Army of the Roman Emperors*. There, I was shocked to learn that for his illustrations, the author had deliberately chosen to publish images of unprovenanced artifacts rather than those acquired through legitimate and scientific archaeological research:

Among these finds in private ownership are extraordinarily well-preserved pieces and even representatives of previously unknown types, which cannot be ignored by responsible researchers. Technical innovations such as digital photography and the Internet means that this material has become known to a much greater extent than in previous years. In selecting the pictures for this book, these finds from collections have therefore been preferred to published material wherever possible. In this manner, these unprovenanced and “homeless” finds can at least be made accessible to international research and given their due importance [Fischer 2019:30].

Notice the equation here between privately owned and unprovenanced antiquities, which is not to say that unprovenanced antiquities do not exist in public collections and that there are no provenanced antiquities to be found in private collections. But his description of “previously unknown types” implicitly recognizes that many unprovenanced antiquities in recently assembled private collections have almost certainly been obtained through looting and illicit trade, quite likely, as he suggests, from the formerly communist countries of southeast Europe (Fischer 2019:29) or, more recently, as I am arguing here, from Syria.

At face value, Fischer's statement seems to overturn completely what I had understood to be archaeological orthodoxy with respect to unprovenanced artifacts' unreliability for research and publication. But as I engaged more closely with the literature pertaining to ancient arms and armor, I realized that, in fact, Fischer is not particularly unusual in his opinion. It also made sense of an episode a few years ago, when a senior professor of archaeology introduced me at a social event as an "extremist" with respect to the illicit trade. At the time, this surprised me, given that I thought my position was in alignment with professionally accepted ethical standards, including those relating to study and publication. But being called out as an extremist seemed to indicate that in mainstream archaeology, the study and publication of unprovenanced artifacts would in fact be a generally accepted practice. (It was not clear to me what the opposite extreme might be. Actively colluding with the acquisition and sale of known looted artifacts, perhaps.) Reading through the literature now, however, I have begun to think that the professor was right and that I am indeed an extremist.

Some of the publications about ancient militaria that I have been reading dismiss opposition (presumably by extremists like me) to the study and publication of unprovenanced artifacts as being politically correct (Graells i Fabregat 2024:61) or ideological (Fischer 2019:70). Yet these claims of an ideological opposition to publication overlook a large body of empirical research. I have already mentioned Gill and Chippindale, but there is, in fact, a long-established archaeological literature describing the pitfalls of conducting and publishing research on unprovenanced material. The opposition to the publication of unprovenanced artifacts is not ideological; it is evidence based and—to my mind at least—well founded. That being the case, I believe it is appropriate here to revisit and review the evidence and arguments that have established the detrimental effects on archaeology of research involving unprovenanced artifacts.

Material and Intellectual Consequences

In 1993, David Gill and Christopher Chippindale published their landmark article "Material and Intellectual Consequences of Esteem for Cycladic Figures." Using Cycladic figurines for a case study, they described the deleterious consequences of their looting and collecting on archaeological research. Cycladic figurines are stylized marble anthropomorphic figurines that were produced and deposited in the Greek Cycladic islands during the Early Bronze Age (EBA). Cycladic figurines first came to scholarly attention outside Greece in the eighteenth century, when they were dismissed as primitive idols or curiosities, but during the early twentieth century, they were revalued by modernist artists as precocious examples of a minimalist aesthetic. One unfortunate result of this newly formulated "esteem" was an increasing demand for the figurines by public and private collectors that was met by the antiquities market and ultimately fed by the widespread looting of EBA archaeological sites in the Cycladic islands during the 1950s and 1960s. By the time of their article, Gill and Chippindale (1993:625) estimated that "Some 85 per cent of the funerary record of the EBA Cyclades may have been lost through unscientific search for figurines." The ultimate cost of esteem was archaeological destruction.

Gill and Chippindale went on to describe the damaging consequences for scholarship of the archaeological destruction that the uncritical reception of Cycladic figurines as art had caused. Without any reliable evidence of find spot or find context, it is difficult if not impossible to establish such fundamental archaeological facts as chronology, spatial distribution, stylistic variation, or even function. Furthermore, stripped bare of this basic archaeological raiment, the figurines are then open for integration into frameworks of understanding that are completely divorced from any EBA reality—the past as imagined or wished for (Gill and Chippindale 1993:658). In the case of the Cycladic figurines, this has entailed their reception as singular works of art produced by "master carvers," thereby reproducing twentieth-century ideas of artistic genius. Gill and Chippindale later elaborated that for them, the central intellectual consequence is an "unwitting and unthinking conservatism" (Chippindale and Gill 2000:504). They state,

The new objects and the way they are treated contribute to our consolidated knowledge insofar as they confirm, reinforce, and strengthen the existing patterns of knowledge. Surfacing without

secure information beyond what is immanent in themselves, the objects are unable to broaden our basis of knowledge. Interpreted and restored in light of prior expectations, they are reconciled with what we presently know, but they cannot amend and improve our present knowledge much, if at all. Where they do in themselves offer an anomaly or contradiction to established understanding, the ever-present dangers of overrestoration and falsity kick in; the truly unusual items that surface remain incomprehensible until their oddity is matched by a find for which there is a real security of knowledge. At that point, they can take up their accustomed role of confirming the correctness of that knowledge [Chippindale and Gill 2000:504–505].

Gill and Chippindale were not the first to denounce the causative connection between collecting unprovenanced artifacts and archaeological destruction (see, for example, Burnham 1975:135–152; Coggins 1969; Graepler 1993; Meyer 1974), but their article was the first comprehensive assessment of the harmful “material and intellectual” consequences of archaeological engagement with unprovenanced material.

In 2013, Elizabeth Marlowe followed up Gill and Chippindale with her book *Shaky Ground*, which extended their critique to Roman sculpture, her own area of specialization. Although much of her study material was not obtained illegally and has been known for centuries, it is still the case that little is known about find spots or find contexts. She estimated, for example, that about 75% of Roman sculptures discussed in introductory textbooks have no reliable information about find circumstances (Marlowe 2013:2). Marlowe termed objects without find context “ungrounded,” whereas those with context are “grounded” (2013:5). The study of ungrounded objects is necessarily limited by their decontextualization and must focus on the object itself and the technicalities of its production, rather than the broader social and cultural contexts within which it was produced, used, and discarded (Marlowe 2013:39). One outcome of this object focus is that scholarship favors the “visually spectacular” over unusual or less attractive though grounded objects that might possess greater scholarly potential (Marlowe 2013:43).

Some of Gill and Chippindale’s observations and arguments had been prefigured in anthropology by James Clifford (1988) and Sally Price (2001) in their separate discussions of “tribal” or “primitive” art. The tribal art in question comprises non-Western objects that have been misappropriated and, like Cycladic figurines, have been “by turns curiosities, ethnographic specimens, major art creations” (Clifford 1988:189). But not all “primitive” objects can be upgraded to “art.” The selection process favors formally abstract objects that look “modern” and ignores other objects that depart from this aesthetic and that to modern eyes look crude or unartistic. Again, absent context is key. Clifford (1988:200) noted, “Ignorance of context seems a precondition for artistic appreciation—a tribal piece is detached from one milieu in order to circulate freely in another—an art world of museums, markets, and connoisseurship.”

The earliest discussion I have found of the harmful challenges posed to archaeological scholarship by unprovenanced artifacts was written by Robert Carr Bosanquet and published in the 1904 final report of the British School at Athens (BSA) excavations at the Bronze Age site of Phylakopi on the Cycladic island of Melos (Bosanquet 1904). On account of its precocity, I think it is worth describing at some length. Melos was the source of volcanic obsidian used for tool production from the Paleolithic onward. The excavations at Phylakopi uncovered what was termed an “obsidian workshop” dating to the EBA. In his contribution to the excavation report, Bosanquet described the workshop (1904:218–220), but he also set out to discuss the chronological and geographical parameters of the ancient trade in Melian obsidian. He wrote, however, “Before discussing the range of trade in obsidian it is necessary to clear the way by discussing the value of certain evidence which has hitherto been accepted without question” (1904:224). The unquestioned evidence consisted of obsidian artifacts in private collections.

When the putative excavators had first visited Phylakopi in 1896, they discovered obsidian cores and blades scattered around on the surface and a “sort of tunnel” said to have been dug into the site 25 years earlier (so about 1870; Bosanquet 1904:224–225). Bosanquet believed this tunnel had been dug into the obsidian workshop and was the ultimate source of thousands of obsidian artifacts

that had been bought by private collectors in Athens during the early 1870s. He was fully aware of the potential problems for research caused by the looters selectively acquiring better-quality pieces and inventing find spots. When discussing a presentation by Christian Blinkenberg describing and categorizing the artifacts present in a collection subsequently purchased for the Ny Carlsberg Glyptotek, Bosanquet (1904:227) was worried that “we have no guarantee that these proportions represent those of the original deposit, and not a selection made by the finder.” He also reproduced a page from the acquisition register of George Finlay’s collection, which had been donated to the BSA in 1899. It recorded the acquisition in 1872 and thereafter of large quantities of obsidian artifacts from an agent whose “statements as to the sources from which he got them were more ingenious than accurate” (Bosanquet 1904:225). As part of his collecting enterprise, and to raise awareness of the interest of prehistoric stone implements, Finlay had prepared an illustrated pamphlet in Greek and in English for distribution to schoolmasters throughout Greece, asking that he be sent anything that might be found (Bosanquet 1904:225). Bosanquet had no doubt about the consequences for the obsidian workshop at Phylakopi:

As to the motive of the excavation: given such a clue as Finlay’s pamphlet, which devotes seven out of fifteen illustrations to obsidian and emphasises its Melian origin, it was easy for the native organiser of excavations to recognise the importance of the bed of obsidian which may even then have been visible along the crumbling seaward face of the mound at Phylakopi [Bosanquet 1904:227].

Consequently, although Bosanquet presented an early description of the limitations of unprovenanced artifacts for archaeological research, he also offered a similarly early recognition that the unwary publication of unprovenanced artifacts can act to stimulate looting.

A Seductive and Troubling Work

Shorn of archaeological context, then, an archaeological artifact has lost much of its research potential—it is ontologically thin. Study and publication of unprovenanced artifacts is ill-advised, because scholarship will be compromised or diminished. But there are further commercial and intellectually enervating consequences of the sometimes intimate collaborations that can develop between collectors and archaeologists. In the first place, the study and publication of an unprovenanced artifact can identify and authenticate it, thereby establishing its rarity or importance and allowing a realistic assessment of its market value and—ultimately—price. The financial worth of publication to private collectors that is realized either through sales or tax-deductible charitable donations has been confirmed through studies of unprovenanced cuneiform tablets in private collections (Brodie 2016:129, 2023b:103–105; Gerstenblith 2022:83–84). A publication also becomes part of an artifact’s provenance or pedigree, and the scholar’s name will remain attached to it for future marketing as a sign of acceptability or legitimacy.

“Publication” is not simply a sterile exercise of distanced scholarship; it can involve a prolonged period of contact and collaboration between the archaeologist and the collector. This social aspect of publication was highlighted most vehemently by Ricardo Elia (1993), who characterized it as a “seductive and troubling work,” noting that the relationship of scholar to collector is one of client or guest to patron or host. Personal relations with a collector and possible acceptance of access, hospitality, and perhaps even financial support can introduce indiscernible obligations that can compromise a scholar’s research objectivity or integrity (Elia 1993; see also Müller-Kessler 2005:224). Close personal relations might also deter a scholar from publishing or enquiring too closely about provenance so as not to antagonize or offend a friend or patron (Brodie 2020a:98–99, 2023b:107). Provenance is treated as something separate—the personal affair of the collector, perhaps, but not something that should be open to scholarly investigation. Consequently, “publication” can be a socially embedded activity, creating what Pierre Bourdieu (1986, 1993) would have recognized as a transformative nexus of symbolic, cultural, and economic capital. In real-world terms, Christopher Prescott and Josephine Rasmussen (2020), quoting Mathew Bogdanos (2005), have

called this a “cozy cabal of academics, dealers and collectors”—one that benefits all those involved. The “cabal” provides scholarly endorsement of collecting and, by extension, the illicit trade of unprovenanced and likely looted artifacts. Additional literature on this problem includes Bonnie (2023), Brodie (2009, 2011, 2019), Justnes (2023), Korsvall (2023), Lundén (2004), Mazza (2023), and references therein.

In light of the recognized synergies between looting, collecting, and publishing, many professional organizations have now adopted policies or guidelines that prohibit the first publication of an unprovenanced artifact unless it can be shown to have been out of its country of origin by a certain date or exported legally after that date (Bousso 2020; Cherry 2014; Gerstenblith 2014, 2023; Kersel 2023). For example, the Archaeological Institute of America (AIA) and the Society for American Archaeology (SAA) have both adopted policies ruling that their journals or monographs should not be used for the first publication of unprovenanced artifacts (Archaeological Institute of America [AIA] 2020; Society for American Archaeology [SAA] 2023). There are, however, exceptions. The AIA (2020) might allow publications that “emphasize the loss of archaeological context or acquisition history.” The SAA (2023) is not so explicit, but it recognizes that there might be “justification for the publication,” with editors or reviewers acting as the ultimate arbiters.

Axel Guttman and the Aratis Hispano-Chalcidic Helmets

To develop my discussion by way of an example, I want to describe the recent high-profile publications of some Celtiberian military artifacts formerly in the possession of Axel Guttman and to consider what lessons can be learned from them. Reading about arms and armor, one will quickly come across the name Axel Guttman. Guttman was a German businessman who began collecting ancient arms and armor in 1982. By 1993, his collection comprised 1,200 objects, including 174 ancient helmets (Graepler 1995:70–71; Junkelmann 2002). It is believed that a major part of his collection derived from an “unimaginable” number of burials in southern Italy (Graepler 1995:70–71), acquired at a time when the looting of ancient southern Italian cemeteries was at its peak (Elia 2001; Graepler 1993). He died in 2001 (Junkelmann 2002).

Not everything in Guttman’s collection was from Italy. Sometime in the late 1980s, a cache of at least 20 crushed helmets of uncertain typology (now categorized as and termed Hispano-Chalcidic) was discovered and illegally excavated in the area of the Celtiberian (Iron Age) oppidum of Aratis, located in the modern-day town of Aranda de Moncayo in Zaragoza province, Spain (González Villaescusa and Graells i Fabregat, ed. 2021; Lorrio Alvarado et al. 2019; Méndez and Montañés 2013). The site of Aratis was first occupied sometime during the mid to late sixth century BC and abandoned after its destruction by a Roman army, probably in 74 BC (Fatás Fernández and Romeo Marugán 2021a:121–126). The helmets were exported illegally from Spain and sold abroad. Two were sold in the United Kingdom, but the Swiss-based Spanish antiquities dealer Fernando Cunillera sold 17 of the helmets to Guttman. A final helmet was sold in Barcelona (González Villaescusa and Graells i Fabregat 2021:30, Figure 8b).

Between 1989 and 1990, before selling the helmets to Guttman, Cunillera had visited the Römisch-Germanisches Zentralmuseum (RGZM) in Mainz three times for advice about the helmets, hoping to sell them there. He claimed they had been found on a rocky slope at Aranda de Moncayo. The RGZM declined the opportunity to purchase them, and Cunillera subsequently sold them to Guttman. At the time, the RGZM notified the Deutsches Archäologisches Institut in Madrid about the helmets so that the relevant Spanish authorities could be alerted.

While in Guttman’s possession, the helmets were restored by Hermann Born of the Museum für Vor- und Frühgeschichte, Staatliche Museen zu Berlin (Born 1993). Born’s work in restoring and authenticating the helmets has been criticized for favoring the external appearance of the helmets for the benefit of “art lovers” at the expense of internal features that might be of more archaeological significance (González Villaescusa and Graells i Fabregat 2021:20) and described as being decisive in persuading Guttman to buy them (Graells i Fabregat and Müller-Karpe 2021:131). This highlights, once again, the central role of conservators in sustaining the illicit trade (Brodie 2017; Tubb 1997, 2013).

After Guttman's death in 2001, his heirs sold off his collection. From 2003 to 2009, 10 of his Aratis helmets were sold through a series of five auctions at the Hermann Historica auction house in Munich, and three more were sold in October 2012 at Christie's London auction house (González Villaescusa and Graells i Fabregat 2021:31, Figure 8c). The whereabouts of the four remaining helmets are unknown. Efforts on the part of German law enforcement to stop the Hermann Historica sales and recover material were frustrated by the inadequate cooperation of the Spanish authorities.

In 2012, reacting to the high-profile lobbying of several Spanish archaeologists, the Spanish Civil Guard began investigating the looting at Aranda de Moncayo through two operations named Helmet I and Helmet II (Fatás Fernández and Romeo Marugán 2021b; Romeo Marugán 2021). During 2013, the Civil Guard arrested two individuals and searched six properties, seizing a total of 9,334 archaeological artifacts. In April 2013, the Aragonese government commissioned the preparation of an expert report to support the Helmet operations, with a remit to study the seized material and to conduct an archaeological investigation of Aratis, which took place through 2014 and 2015. In terms of looting, the investigation discovered that a mechanical digger had dug through occupation layers in 1993 to expose a cemetery, which was possibly the source of one of the Guttman helmets. The apparent find spot of the Hispano-Chalcidic helmet cache was located from the testimony of one of the arrested individuals, but there was no remaining evidence of archaeological context.

Christian Levett bought seven of the Aratis helmets when they were offered for sale at Hermann Historica, and he subsequently placed them on public display at his Mougins Museum of Classical Art (Burns 2011). In December 2019, convinced by the work of Spanish archaeologists and law enforcement that they had been illegally excavated and exported, he returned them—without compensation—to the ownership and possession of Spain, where they were placed on display at the Museum of Zaragoza. In 2020, he acquired another helmet from an antiquities dealer in Denver that he also donated to Spain (González Villaescusa and Graells i Fabregat 2021:32, Figure 8d; Levett 2021:271).

In 2010, while the Guttman collection was being dispersed through the Hermann Historica auction house, a project was initiated with the encouragement of the RGZM to publish the Aratis helmets. This resulted in an initial publication in 2014 (Graells, Lorrio Alvarado and Quesada 2014), and a second in 2021 (González Villaescusa and Graells i Fabregat, ed. 2021). Available materials included documentation held at the RGZM, the Born (1993) publication, the Hermann Historica auction catalogs, some of the helmets themselves (once they were made publicly available at the Mougins Museum), and some other examples already held in Spanish museums. The project sought to chart a “third way” for the study of unprovenanced artifacts, between the polar opposites of uncritical publication or nonpublication (Graells i Fabregat 2024:61). An action protocol was defined, aiming to combine archaeological opportunity with social responsibility, whereby the helmets themselves would be studied along with their provenance, with archaeological research proceeding alongside professional and police actions aimed at recovering the helmets for Spain (Graells i Fabregat 2024:54, 61). One demonstrably positive material outcome of the publication project was Levett's voluntary decision to return the material he had bought at Hermann Historica to Spain (Levett 2021:271).

I cannot speak for the AIA, but it seems to me that these publications of the Aratis helmets, with their explicit aim to “emphasize the loss of archaeological context or acquisition history” (AIA 2020), would not contravene its publications policy. Similarly, SAA editors might have considered there was sufficient “justification for the publication.” The publications of the Aratis helmets do not, perhaps, represent the third way that their authors imagine they do. The research is exemplary in its treatment of the archaeological artifacts, although if I could hazard a constructive criticism of the project it would concern provenance (or “acquisition history”). The project set out with the aim of studying the helmets along with their provenance, but the helmets were the primary research interest. The provenance has been published, as I have shown in my account, but it is summary. For my own research, I would like to have learned more about the actors and agencies involved, along with any associated criminality. The person arrested during the Helmet II operation, for example, was convicted of money laundering (Lorrio Alvarado et al. 2019:114), though little more was said about how or what money was laundered.¹ In recent years, the use of the antiquities trade for money laundering has been an international policy priority (Brodie and Yates 2022), and it would have been useful for

more evidence of the operation to have been made available. More generally, there is a growing scholarly awareness that there is often more to be learned from the provenance of a decontextualized artifact than there is from the artifact itself. Provenance refracted as “cultural biography” (Kopytoff 1986) has become increasingly important for studying the “modern” reception or entanglement of ancient artifacts (Brodie 2020b, 2023a:328–329, and references therein; Kersel 2021:261–272; Mazza 2021; Wirth and Rasmussen 2023; Yates and Mackenzie 2021). Provenance research of that type would probably have fallen outside the Aratis project remit, however, and I might suggest that any similar project in the future would benefit from the inclusion of criminological or sociological expertise.

Synthetic and Corpus Publications of Unprovenanced Artifacts

The disciplinary ground between the Hispano-Chalcidic Aratis helmets and the desire to publish what Fischer characterized emotively as “homeless finds” is poorly mapped out. There is an unresolved tension between the archaeological aspiration to conduct research into unprovenanced material and the recognition that such research could be compromised and even harmful. The EAA publication policy for its *European Journal of Archaeology* is not much help. It states simply that “Archaeological material knowingly obtained illegally from unprovenanced sources should not be published in the EJA” (European Association of Archaeologists [EAA] 2022a), which seems to imply that most unprovenanced material (which almost by definition has not knowingly been obtained illegally) would be acceptable for publication. The guidance offered by the EAA’s Principles for Archaeological Research probably represents a fuller and clearer statement of the EAA’s position (EAA 2022b). EAA Principle (2d), “Publication of decontextualised archaeological artefacts,” states the following:

2. The publication of decontextualised artefacts is a difficult matter and treated differently by various archaeological associations and institutions. Publication can effectively sanction the further decontextualisation of as yet undiscovered finds, and can, directly or indirectly, add to the financial valuation of such artefacts. EAA members should not normally participate in the publication of undocumented antiquities, unless the work is intended to i) highlight suspected forgeries offered for sale on the art market; ii) contribute to the investigations of relevant authorities (e.g., the police or State archaeological agency); or iii) clarify the collection history and provenance of the artefacts.

4. A decontextualised object can still bear relevant information, and hence might be of interest for archaeological research. If clear information of doubtful, illicit or unknown find circumstances is provided, together with a clear statement of the problems associated with the provenance, publication of such objects might be justifiable. In this case, publication can prevent later falsified provenance by, e.g. art market dealers, indicate looting or illicit acquisition, and help States to eventually make claims for restitution and repatriation of the object. By providing all details about the doubtful origin of artefacts, archaeologists can raise public awareness about the irretrievable loss of archaeological context, the dynamics of the art market, and the history of collecting [EAA 2022b].

This policy statement seems clear. Unprovenanced artifacts can be of interest for archaeological research and can be published, only if what is known of their provenance is provided. Notice that unlike the AIA and SAA, the EAA does not distinguish between primary and secondary publication. Like the SAA, however, it considers that publication of an unprovenanced artifact might be “justifiable” because it might be useful for archaeological research—provided whatever is known about its provenance is included in the publication—with a view to raising public awareness, aiding law enforcement investigations, or supporting claims for repatriation. Unlike the SAA, however, the EAA does not insist on editorial oversight.

To my mind, EAA Principle (2d) raises at least three issues that require further clarification. First, there is the question of provenance. EAA Principle (2d) neither describes nor offers any guidance as to just what standard of provenance would be acceptable to justify publication. Presumably, it is not

simply “find spot unknown” or “private collection.” But would something like “ex Bulgaria, acquired by an English private collector in the 1990s” be acceptable? I suspect it would. Mödlinger and Tsirogiannis (2020) perhaps provides a better example of what is envisaged in her publication of 13 European Bronze Age helmets and a pair of greaves, in which she describes each object in turn and offers a comprehensive account of what is known about their find spot and provenance (Mödlinger and Tsirogiannis 2020:329–332).

There are also the inevitable problems of verification. How is it possible to know if what is published about a provenance is factually correct? Mödlinger provides a good example of how a provenance might be invented (Mödlinger and Tsirogiannis 2020:330). Her helmet no. 2 was said to have been found most likely in Ukraine. It was sold at violity.com on July 9, 2017, and discussed on a Ukrainian metal detectorist forum on July 13, 2017. After restoration, on September 4, 2018, the helmet was sold at TimeLine Auctions in the United Kingdom, with a provenance stating that it had been acquired in Germany after World War II and thence by descent in 2006 to a lady living in Kent, United Kingdom. The helmet was bought by the Austrian Galerie Kunst der Antike, which sold it shortly thereafter. In 2020, its whereabouts were described as a “private collection” (Mödlinger and Tsirogiannis 2020:330). Mödlinger has been assiduous in searching out the provenance of the piece and revealing the deception. But would all archaeologists be so careful? Would simply reproducing the provenance offered by TimeLine or some other commercial organization comprise “all details about the doubtful origin” and be considered acceptable by the EAA? The question is essentially one of due diligence, although the EAA offers no guidance as to what would constitute sufficient due diligence and acceptable provenance.

Mödlinger ends her provenance description of helmet no. 2 by stating that “investigations into suspected offences are ongoing in the United Kingdom and Ukraine” (Mödlinger and Tsirogiannis 2020: 330), but she does not reveal how she knows about the investigations and whether or not she was involved (which would be in accordance with EAA Principle [2d]). Perhaps she was maintaining confidentiality, and perhaps for good reasons. I wonder if sometimes an archaeologist might know more about provenance than it seems wise to publish for fear of legal action or personal attacks. I have personal experience with both. It is laughable to read that my position in arguing against publication is considered to be a comfortable one (Graells I Fabregat 2024:61). I am sure that it is not as comfortable as enjoying the hospitality of a wealthy private collector while studying unprovenanced objects. Roberta Mazza (2018) has bravely described how she received threats of acid attacks when researching the provenance of a “remarkable” Coptic papyrus that had appeared on the market. Her article should be required reading for any archaeologist interested in this subject.

Strangely, EAA Principle (2c), “Ethical practice in expert evaluation of archaeological material” (EAA 2022b), does offer strong recommendations about what would be required in terms of provenance and due diligence to ensure ethical practice. It is not clear why these strong recommendations regarding evaluation do not apply to publication. This may be because expert evaluation is regarded as active intervention, whereas publication is not.

The second issue raised by EAA Principle (2d) concerns impact. I am not convinced that academic publications containing even the more detailed provenance descriptions of the type offered by Mödlinger would, as the EAA hopes, “raise public awareness about the loss of archaeological context, the dynamics of the art market and the history of collecting” (EAA 2022b) because I simply do not think the general public (or policymakers) would read them. Collectors, too, would be insulated from them. They surround themselves with sympathetic academics and other experts (the “cabal”) who would be unlikely to draw a collector’s attention to anything that is considered harmful to their interests. Having said that, although an academic publication might still act to identify, authenticate, and contribute to the commercial pedigree of an artifact, if it is envisaged that the publication will go unnoticed by collectors and be ignored by the market, does that mean it will exert no discernible commercial effect (Mödlinger 2017:12)? Perhaps, but that remains to be determined.

Finally, there is the issue of research quality. EAA Principle (2d) fails to engage with the compromised research potential of unprovenanced artifacts—Gill and Chippindale’s material and intellectual consequences and Marlowe’s shaky ground. It states that a “decontextualised object can still bear

relevant information, and hence might be of interest for archaeological research,” but it does not explore the nature or utility of the “relevant information.” Is the publication of an unprovenanced artifact worthwhile? Is anything learned? From my limited and admittedly inexperienced acquaintance with the literature pertaining to ancient arms and armor that accommodates unprovenanced material, I get the impression that it is largely typological, technological, and functional. The value of Guttman’s collection was explicitly described as comprising its importance for understanding the typological, artistic, functional, and manufacturing aspects of the artifacts it contained (Junkelmann 2002), confirming Marlowe’s (2013:39) criticism that research into a decontextualized artifact prioritizes the object itself over the social and cultural contexts of its production, use, and discard. The opportunities for historical reconstruction offered by scientifically excavated assemblages such as those from Dura-Europos have been lost. But even if the constrained research potential of an unprovenanced military artifact is understood, and Marlowe’s disapproval accepted, is it nonetheless beneficial to “at least slightly increase the small material framework that survives” (Mödlinger 2017:12)?

To be fair, a Roman helmet is less open to fanciful interpretation than a Cycladic figurine (although see Bishop and Coulston’s [2006:47–48] discussion of the “Sword of Tiberius”). But publications of unprovenanced artifacts that might be of extraordinary interest because of their beauty, rarity, or technology (Graells i Fabregat 2024:60) are still open to Marlowe’s criticisms (2013:43) about prioritizing the visually spectacular. It is also sobering to remember the observation that Born’s conservation of the Aratis Hispano-Chalcidic helmets favored the artistic over the archaeological, as did the conservation of the Roman “Crosby Garrett” helmet found in 2010 by a metal detectorist in the United Kingdom (Worrell et al. 2018:32–33). Important finds might be fraudulently elaborated during “cleaning” or “conservation work” and be archaeologically devalued (Travis and Travis 2014:31)—the danger of “overrestoration and falsity” already highlighted in the quote reproduced above from Chippindale and Gill (2000:505). The unprovenanced artifact received for archaeological study is not always the one that came out of the ground. And, of course, there is the ever-present danger of outright forgery (Bishop and Coulston 2006:38; Fischer 2019:70).

I have described the “seductive and troubling work” of the “cabals” of scholars, collectors, and dealers, but it is important to recognize that Fischer and Mödlinger have not published private collections. They have published a scholarly synthesis (Fischer) or a corpus (Mödlinger) of material, each of which includes some artifacts that are of uncertain provenance and find context, some in private collections. Consequently, not all of the arguments against publication marshalled by Elia, me, and others need apply, given that the publications do not involve a close personal relationship with a collector and there is no obvious reputational benefit for a collector that might encourage further collecting. There is no “cabal.” I propose then to distinguish between “collection publications” of the type criticized by Elia and others and what I will characterize for the purposes of this article as “synthetic or corpus publications,” which avoid intimate collaborations with collectors. I think the EAA has synthetic and corpus publications in mind when ruling that the publication of an unprovenanced artifact is justifiable, although I am not sure that is clearly spelled out.

Guilt-Free Publication of Unprovenanced Artifacts?

I have described my reservations about EAA Principle (2d)’s guidance with respect to provenance, impact, and research. To play devil’s advocate, it is instructive now to view EAA Principle (2d) and associated statements through Simon Mackenzie’s (2014) lens of “conditions for guilt-free consumption in a transnational criminal market,” reframed here as “guilt-free publication.” Should EAA Principle (2d) be viewed as a materially effective solution to the problem of publishing unprovenanced artifacts, or is it more performative in character, in that it provides the appearance but not the reality of “justification,” allowing the guilt-free publication of what might otherwise be proscribed artifacts? Before starting this particular discussion, it is important to note from the word “conditions” that I am not writing about intentional action. I am writing about received conditions of practice—something akin to Bourdieu’s (1977) *habitus* perhaps. Within these conditions, individual actions that might otherwise appear blameworthy are normalized through collective discourse.

Following Mackenzie (2014:505–506), the illicit trade in antiquities can be portrayed as a “public secret,” something that is known about publicly, although with a character that defies definite comprehension. The illicit trade is understood to be “bad,” but the exact nature or severity of its badness remains unknown. Publishing artifacts with an absent, incomplete, or false provenance contributes to the maintenance of this “secret.” It helps to suppress or obscure evidence of criminality and destruction, and it helps the person publishing to avoid any imputations or apprehensions of guilt.

Then there are “language games” (Mackenzie 2014:507–508), whereby a sanitizing lexicon is used to avoid describing things in a context of criminality. An example would be “homeless finds” as opposed to “looted artifacts.” The founding document of the EAA Committee on the Illicit Trade in Cultural Material (which does not reference Gill and Chippindale 1993) is unfortunate in this respect when it refers to “publicly-made finds” and “‘private’ finds” without defining exactly what these terms mean (Mödlinger et al. 2016:16). I despair at the thought of reading about “publicly-made finds from Dura-Europos,” which would provide an accurate though sanitized reference to artifacts looted from Dura-Europos. It would read much better in a published archaeological provenance than the more accurately descriptive “archaeological artifacts looted illegally and destructively from Dura-Europos and traded for the benefit of criminals and armed militia.”

Guilt can also be avoided by blaming the victim (Elia 2009:252–254; Mackenzie 2014:507–508). It is widely believed by those publishing ancient arms and armor that the illicit trade is driven by supply: artifacts enter the market from countries suffering from conflict, civil disturbance, or poverty. The flow of antiquities onto the market during the 1990s from countries of the former Yugoslavia and Eastern Bloc in particular has been commented on (Fischer 2019:29; Graells i Fabregat 2021:252–253; Junkelmann 2002). But the idea that the trade is driven by supply goes against most empirical research. Elia (1993:69) maintained that “collectors are the real looters.” Nearly 20 years earlier, Bonnie Burnham had written in less forthright style, “Although dealers and middlemen play an important role in bringing antiquities to the market, it is ultimately the collector who gives the market its impetus” (1975:135). From a criminological perspective, too, demand is the more significant component of what is understood to be a transnational criminal market (Mackenzie 2014:504; Mackenzie et al. 2020:50).²

Presenting the illicit trade as driven by supply discounts the importance of demand, thereby weakening any imputations of archaeological support for illicit trade through study and publication. But it is, in effect, “othering” the problem (Fabian 1983). It is revealing in this regard to see initiatives aimed at reducing looting and illicit trade in countries of origin inevitably involve training, awareness-*raising*, and capacity-*building* (my italics; Brodie et al. 2021:2; Lundén 2023:101), aiming to bring “other” foreign professionals and professional institutions up to “modern” standards as they prevail in Europe and North America. These initiatives might be viewed sceptically as concrete exercises in blaming the victim. Countries of origin are seen to have “brought their plight on themselves through poor resource management, bad policing, and restrictive policies which foster underground trade” (Mackenzie 2014:507).³ Othering the trade in this way abstracts or distances archaeologists from the damaging world of collecting and trade and allows their actions to be presented as disinterested or altruistic—even salvatory.⁴

Staffan Lundén (2023) has examined university curricula provisions as regards illicit trade and has found them wanting. He concluded that there is a need for targeted learning materials in different disciplines. He also expressed concern about what he termed the “hidden curriculum” (Lundén 2023:95–97)—that is, students are socialized through working in a professional environment that normalizes the study and publication of unprovenanced artifacts. For Mackenzie (2014:510), this normalization could be construed as “differential association”—practice learned and accepted within the habitus. Ultimately, it creates the “conditions” for guilt-free publication.

Negative Evidence and Publication Bias

I would propose polemically that the archaeological community in Europe (including the United Kingdom), although not condoning the illicit trade in antiquities, has uncritically adopted a position that creates conditions conducive to the guilt-free publication of unprovenanced artifacts without any reflection on the utility or quality of the published research or its possible consequences. I am sure that

not everyone will agree. But the question remains: should synthetic and corpus publications of artifacts that include incomplete provenance information be considered ethical and worthwhile, or should they be viewed simply as exercises in guilt avoidance?

There could be resolution. Alison Wylie (2003:10) has characterized the debate over publication as consequentialist. The act of publication could be judged good or bad from the nature of its consequences, with judgement requiring empirical verification of the claims being made about the commercial and scholarly consequences of study. That might sound like a straightforward compromise, but it is not. Most university-based scholars who take an interest in the illicit trade research the trade itself and not its epistemological consequences for archaeological research. There are good reasons why that is the case. To explore fully and expose any vitiating consequences, one would need to be a specialist in the subject area concerned—as Marlowe is with Roman sculpture. But the archaeologists active in a particular subject area do not routinely engage in reflexive consideration of the possible shortcomings of their own scholarly field caused by engagement with unprovenanced artifacts. Marlowe (2013:78–79) has made a similar point. The archaeologists who are best positioned to conduct the necessary assessments of harms and benefits have little incentive or inclination to do so.

It might be a problem of “negative evidence” (Lewis and Lewis 1980). Disciplinary preconceptions or research paradigms might cause archaeologists to overlook or ignore unwelcome or unpalatable evidence; they certainly do not encourage archaeologists to search it out actively. Even if encountered, intentionally or not, evidence of loss caused by illicit trade that could challenge established practice might not be reported. There are many specific personal and professional reasons why researchers might not report negative evidence, but in general, any research involving an incremental, inductive reasoning process that is conducive to confirmation rather than refutation is more susceptible to this exclusion (Lewis and Lewis 1980:555). The construction of artifact typologies has an incremental character, and Chippindale and Gill’s (2000:504) caution of “unwitting and unthinking conservatism” comes to mind here. A related problem is that of publication bias or nonpublication (Franco et al. 2014). Archaeologists are unwilling to spend time publishing what they regard as negative findings, and peer reviewers are similarly uninterested. The literature with respect to ancient military equipment is populated with positive success stories, but accounts of problematic or contradictory findings that might stand opposed to the success stories are harder to find. Yet, without publication of negative evidence—which might be of little interest to subject specialists—it will not be possible to assess the benefits or otherwise of the publication of unprovenanced artifacts or its ethical standing.

Reflection

The international community is not primarily concerned with the diminution of archaeological research caused by archaeological looting and the illicit trade. It is instead reacting to broader humanitarian concerns, particularly regarding the sovereignty and cultural self-determination of peoples and states and criminal and terrorist involvements. In March 2024, while I was writing this article, the United Nations Educational, Scientific and Cultural Organization (UNESCO) website summarized the problems caused by illicit trade in this way: “Theft, looting and illicit trafficking of cultural property is a crime. It deprives people of their history and culture, it weakens social cohesion in the long term. It fuels organized crime and contributes to the financing of terrorism” (United Nations Educational, Scientific and Cultural Organization 2024). No mention of archaeological research there. Nevertheless, the possibly harmful consequences of studying and publishing unprovenanced artifacts should be a matter of pressing concern for archaeologists because they raise issues that challenge both the material and the ethical status of archaeology as a historical discipline.

In February 2015, the United Nations adopted Security Council Resolution (UNSCR) 2199, which expressed concern about terrorist financing and called on national and international law enforcement organizations to prevent the trade in cultural objects exported illegally from Syria (United Nations 2015). I am starting to believe that military artifacts from Dura-Europos might have been arriving on the market unnoticed or at least without public or scholarly comment for several years now. There is ample evidence that coins from Syria have been traded and sold in Europe and beyond (Brodie 2023c; 2025), and I see no reason why the same should not be true of small metal artifacts.

In light of UNSCR 2199 and associated policy implementations, however, it seems highly unlikely that traders or intermediaries would include the word “Syria”—not to mention “Dura-Europos”—anywhere near even the sparsest of provenances. Perhaps in time, these artifacts might start to appear in synthetic or corpus publications, qualified as “find spot unknown,” perhaps with a provenance trail leading back to Bulgaria or only to an “English lady.” Many if not most artifacts from Dura-Europos probably did pass through Bulgaria, and a Bulgarian find spot might be convincing enough for an archaeologist willing to publish artifacts from Bulgaria but who might balk at publishing a Syrian one.

An assessment on the ground of the “devastation caused by looting” at Dura-Europos will be the first priority of any future work at the site (James 2019:318). I imagine the same is true for many sites in Bulgaria and adjacent countries where I do not think the damage and associated criminality, violence, and corruption have ever been systematically and comprehensively investigated (although see Center for the Study of Democracy 2007:177–197; Dikov 2019). But the challenge for archaeologists not working on the ground at Dura-Europos or elsewhere in Syria (or in Bulgaria) will be to conduct research into their own disciplinary practices and to reflect on some of the issues I have raised in this article about the potentially recursive relationship between archaeological scholarship and the ongoing looting of archaeological sites. A good start would be to read Gill and Chippindale (1993).

Acknowledgments. I would like to thank Morag Kersel for inviting me to write this article and encouraging me along the way. The research presented did not involve any primary data collection and did not require a permit.

Funding Statement. The research presented in this article received no specific grant funding.

Data Availability Statement. No original data are reported in this article.

Competing Interests. The author declares none.

Notes

1. On appeal, the Spanish Supreme Court rejected the specific charge of money laundering as inappropriate, though for what appear to have been legal rather than evidential reasons (Romeo Marugán 2021:84).
2. The belief that the illicit trade is supply-led encourages a policy view that solutions must aim at protecting the source and diminishing supply. Unfortunately, “Never in history has there been a black market defeated from the supply side” (Naylor 2002:11), and policy implementations aimed at supply reduction without any concomitant action against demand are likely to fail (and have failed).
3. Othering is also encountered within disciplinary space in European and North American universities. Research into the illicit trade is considered to be outside the sphere of archaeology. I have already referred to accusations of ideology and political correctness. Only a few archaeological journals are willing to accept articles that deal explicitly with subject matter related to illicit trade. I know from personal experience that my articles on illicit trade that are published in law or criminology journals are never considered appropriate for inclusion in audits attempting to assess archaeological research quality. Many of my friends and colleagues who are archaeologists think I do something called “heritage,” even though I know a lot more about the theory and practice of archaeology than I do about heritage. I personally consider myself to be an archaeologist.
4. It also allows them to participate actively in projects aimed at documenting or preventing looting in countries of origin (though most often only when there is grant money available to support such endeavors).

References Cited

- American Association for the Advancement of Science. 2014. Ancient History, Modern Destruction: Assessing the Status of Syria’s Tentative World Heritage Sites Using High-Resolution Satellite Imagery. Part 1. Electronic document, <https://www.aaas.org/resources/ancient-history-modern-destruction-assessing-status-syrias-tentative-world-heritage-sites>, accessed April 28, 2024.
- Archaeological Institute of America (AIA). 2020. AIA Policy on the Presentation and Publication of Undocumented Antiquities. Electronic document, <https://www.archaeological.org/wp-content/uploads/2020/01/AIA-Publication-Presentation-Policy.pdf>, accessed April 28, 2024.
- Baird, Jennifer A. 2018. *Dura-Europos*. Bloomsbury Academic, London.
- Bellinger, Alfred R. 1949. *The Excavations at Dura-Europos: Final Report VI. The Coins*. Yale University Press, New Haven, Connecticut.
- Bishop, Mike, and Jon Coulston. 2006. *Roman Military Equipment from the Punic Wars to the Fall of Rome*. Oxbow, Oxford.
- Bogdanos, Matthew. 2005. The Terrorist in the Art Gallery. *New York Times*, December 10. <https://www.nytimes.com/2005/12/10/opinion/the-terrorist-in-the-art-gallery.html>, accessed April 28, 2024.

- Bonnie, Rick. 2023. The Ilves Collection: A Finnish Manuscript Collection and the Academic Facilitators. In *Variant Scholarship: Ancient Texts in Modern Contexts*, edited by Neil Brodie, Morag M. Kersel, and Josephine M. Rasmussen, pp. 79–94. Sidestone, Leiden, Netherlands.
- Born, Hermann. 1993. *Restaurierung antiker Bronzewaffen*. Sammlung Axel Guttman Bd. 2. Sammlung Guttman, Mainz, Germany.
- Bosanquet, Robert C. 1904. The Obsidian Trade. In *Excavations at Phylakopi in Melos Conducted by the British School at Athens*, edited by Robert C. Bosanquet, E. A. Gardner, and G. F. Hill, pp. 216–233. Macmillan, London.
- Bourdieu, Pierre. 1977. *Outline of a Theory or Practice*. Cambridge University Press, Cambridge.
- Bourdieu, Pierre. 1986. The Forms of Capital. In *Handbook of Theory and Research for the Sociology of Education*, edited by John Richardson, pp. 241–258. Greenwood, Westport, Connecticut.
- Bourdieu, Pierre. 1993. *The Field of Cultural Production: Essays on Art and Literature*. Columbia University Press, New York.
- Bouso, Mònica. 2020. To Publish or Not to Publish Unprovenanced Archaeological Artefacts? In “Espoli, Tràfic Il·lícit i Falsificacions de Béns Arqueològics,” edited by Mònica Bouso, Ignacio Rodríguez Temiño, and Ana Yáñez. Special issue, *Revista d'Arqueologia de Ponent* 30:385–402.
- Brodie, Neil. 2009. Consensual Relations? Academic Involvement in the Illegal Trade in Ancient Manuscripts. In *Criminology and Archaeology: Studies in Looted Antiquities*, edited by Penny Green and Simon Mackenzie, pp. 41–58. Oñati International Series in Law and Society. Hart, Oxford.
- Brodie, Neil. 2011. Congenial Bedfellows? The Academy and the Antiquities Trade. *Journal of Contemporary Criminal Justice* 27: 411–440.
- Brodie, Neil. 2016. Scholarly Engagement with Collections of Unprovenanced Ancient Texts. In *Cultural Heritage at Risk*, edited by Kurt Almqvist and Louise Belfrage, pp. 123–142. Ax:son Johnson Foundation, Stockholm.
- Brodie, Neil. 2017. The Role of Conservators in Facilitating the Theft and Trafficking of Cultural Objects: The Case of a Seized Libyan Statue. *Libyan Studies* 48:117–123.
- Brodie, Neil. 2018. The Illicit Antiquities Research Centre: Afterthoughts and Aftermaths. In *The Adventure of the Illustrious Scholar: Papers Presented to Oscar White Muscarella*, edited by Elizabeth Simpson, pp. 719–733. Brill, Leiden, Netherlands.
- Brodie, Neil. 2019. The “Art World” of the Auction Houses: The Role of Professional Experts. *Arts* 8(2):56. <https://doi.org/10.3390/arts8020056>.
- Brodie, Neil. 2020a. Restorative Justice? Questions Arising out of the Hobby Lobby Return of Cuneiform Tablets to Iraq. *Revista Memória em Rede* 12:87–109.
- Brodie, Neil. 2020b. What Is This Thing Called the PAS? Metal-Detecting Entanglements in England and Wales. In “Espoli, Tràfic Il·lícit i Falsificacions de Béns Arqueològics,” edited by Mònica Bouso, Ignacio Rodríguez Temiño, and Ana Yáñez. Special issue, *Revista d'Arqueologia de Ponent* 30:85–100.
- Brodie, Neil. 2022. The Looting and Trafficking of Syrian Antiquities since 2011. In *Antiquities Smuggling: In the Real and the Virtual World*, edited by Layla Hashemi and Louise Shelley, pp. 21–58. Routledge, London.
- Brodie, Neil. 2023a. Academic “Ethics” and the Schøyen Collection Aramaic Incantation Bowls: A Personal Narrative. *Levant* 55(3):325–339.
- Brodie, Neil. 2023b. Noxious Scholarship? Publishing Unprovenanced Cuneiform Tablets from Iraq. In *Variant Scholarship: Ancient Texts in Modern Contexts*, edited by Neil Brodie, Morag M. Kersel, and Josephine M. Rasmussen, pp. 95–112. Sidestone, Leiden, Netherlands.
- Brodie, Neil. 2023c. “Standing Caliph” Coins from Syria: Probably Looted and on the Market. In “*To Aleppo Gone . . .*” *Essays in Honour of Jonathan N. Tubb*, edited by Irving Finkel, J. A. Fraser, and St John Simpson, pp. 175–180. Archaeopress, Oxford.
- Brodie, Neil. 2025. EU Regulation 2019/880 on the Import of Cultural Goods: The Pernicious Effect of Poor Evidence upon Legislative Regulation. In *Research Handbook on Art, Culture and Heritage*, edited by Janet Ulph and Sophie Vigneron, in press. Edward Elgar, Cheltenham, United Kingdom.
- Brodie, Neil, Morag M. Kersel, Simon Mackenzie, Isber Sabrine, Emiline Smith, and Donna Yates. 2021. Fifty Years On: Why Is There Still a Global Illicit Trade in Cultural Objects (and What Can We Do about It)? *Journal of Field Archaeology* 47(2): 117–130.
- Brodie, Neil, and Donna Yates. 2022. Antiquities and Money Laundering. *Transfer - Journal for Provenance Research and the History of Collections* 1:97–109. <https://doi.org/10.48640/tf.2022.1.91516>.
- Burnham, Bonnie. 1975. *The Art Crisis*. Collins, London.
- Burns, Michael. 2011. Graeco-Italic Militaria. In *Mougins Museum of Classical Art*, edited by Mark Merrony, pp. 183–234. Mougins Museum of Classical Art, Mougins, France.
- Center for the Study of Democracy. 2007. Organized Crime in Bulgaria: Markets and Trends. Electronic document, <https://csd.eu/publications/publication/organized-crime-in-bulgaria-markets-and-trends/>, accessed April 29, 2024.
- Cherry, John F. 2014. Publishing Undocumented Texts: Editorial Perspectives. In *Archaeologies of Text*, edited by Morag M. Kersel and Matthew T. Rutz, pp. 227–244. Oxbow, Oxford.
- Chippindale, Christopher, and David W.J. Gill. 2000. Material Consequences of Contemporary Classical Collecting. *American Journal of Archaeology* 104(3):463–511.
- Clifford, James. 1988. *The Predicament of Culture: Twentieth-Century Ethnography, Literature, and Art*. Harvard University Press, Cambridge, Massachusetts.
- Coggins, Clemency C. 1969. Illicit Traffic in Pre-Columbian Antiquities. *Art Journal* 29(1):94–99.
- Dikov, Ivan. 2019. *Plunder Paradise: How Brutal Treasure Hunters Are Obliterating World History and Archaeology in Post-Communist Bulgaria*. Self-published, Amazon Digital Services. Kindle.

- Elia, Ricardo J. 1993. A Seductive and Troubling Work. *Archaeology* 46(1):64, 66–69.
- Elia, Ricardo J. 2001. Analysis of the Looting, Selling, and Collecting of Apulian Red-Figure Vases: A Quantitative Approach. In *Trade in Illicit Antiquities: The Destruction of the World's Archaeological Heritage*, edited by Neil Brodie, Jenny Doole, and Colin Renfrew, pp. 145–154. McDonald Institute for Archaeological Research, Cambridge, UK.
- Elia, Ricardo J. 2009. Mythology of the Antiquities Market. In *Cultural Heritage Issues: The Legacy of Conquest, Colonization, and Commerce*, edited by James Nafziger and Ann Nicgorski, pp. 239–256. Martinus Nijhof, Leiden, Netherlands.
- European Association of Archaeologists (EAA). 2022a. European Journal of Archaeology Publications Ethics Policy. Electronic document, https://www.e-a-a.org/EAA/About/EAA_Codes/EAA/Navigation_About/EAA_Codes.aspx?hkey=8120bdd1-614f-496a-89c4-06c641eac7ea, accessed April 30, 2024.
- European Association of Archaeologists (EAA). 2022b. EAA Principles. Electronic document, https://www.e-a-a.org/EAA/About/EAA_Codes/EAA/Navigation_About/EAA_Codes.aspx?hkey=8120bdd1-614f-496a-89c4-06c641eac7ea, accessed April 30, 2024.
- Fabian, Johannes. 1983. *Time and the Other*. Columbia University Press, New York.
- Fatás Fernández, Luis F., and Francisco Romeo Marugán. 2021a. Aratis: Más allá de un Nombre. In *El Retorno de los Cascos Celtibéricos de Aratis: Un Relato Inacabado*, edited by Ricardo González Villaescusa and Raimon Graells i Fabregat, pp. 107–126. Government of Aragon, Aragon, Spain.
- Fatás Fernández, Luis F., and Francisco Romeo Marugán. 2021b. Las Operaciones Helmet I y II: Desde las Primeras Denuncias hasta la Sentencia Final. In *El Retorno de los Cascos Celtibéricos de Aratis: Un Relato Inacabado*, edited by Ricardo González Villaescusa and Raimon Graells i Fabregat, pp. 147–172. Government of Aragon, Aragon, Spain.
- Fischer, Thomas. 2019. *Army of the Roman Emperors: Archaeology and History*. Oxbow, Oxford.
- Franco, Annie, Neil Malhotra, and Gabor Simonovits. 2014. Publication Bias in the Social Sciences: Unlocking the File Drawer. *Science* 345(6203):1502–1505.
- Gerstenblith, Patty. 2014. Do Restrictions on Publication of Undocumented Texts Promote Legitimacy? In *Archaeologies of Text*, edited by Morag M. Kersel and Matthew T. Rutz, pp. 214–226. Oxbow, Oxford.
- Gerstenblith, Patty. 2022. Hobby Lobby, the Museum of the Bible and the Law: A Case Study of the Looting of Archaeological Artifacts from Iraq. In *Antiquities Smuggling: In the Real and the Virtual World*, edited by Layla Hashemi and Louise Shelley, pp. 59–95. Routledge, London.
- Gerstenblith, Patty. 2023. Ethical Guidelines for Publishing Ancient Texts. In *Variant Scholarship: Ancient Texts in Modern Contexts*, edited by Neil Brodie, Morag M. Kersel, and Josephine M. Rasmussen, pp. 135–152. Sidestone, Leiden, Netherlands.
- Gill, David W. J., and Christopher Chippindale. 1993. Material and Intellectual Consequences of Esteem for Cycladic Figures. *American Journal of Archaeology* 97(4):601–659.
- González Villaescusa, Ricardo, and Raimon Graells i Fabregat. 2021. Nostos: Las Razones de este Libro. In *El Retorno de los Cascos Celtibéricos de Aratis: Un Relato Inacabado*, edited by Ricardo González Villaescusa and Raimon Graells i Fabregat, pp. 15–34. Government of Aragon, Aragon, Spain.
- González Villaescusa, Ricardo, and Raimon Graells i Fabregat (editors). 2021. *El Retorno de los Cascos Celtibéricos de Aratis: Un Relato Inacabado*. Government of Aragon, Aragon, Spain.
- Graells, Raimon, Alberto J. Lorrio Alvarado, and Fernando Quesada. 2014. *Cascos Hispano-Calcídeos: Símbolo de las Élités Guerreras Celtibéricas*. Römisch-Germanisches Zentralmuseum, Mainz, Germany.
- Graells i Fabregat, Raimon. 2021. Coleccionismo de Cascos Antiguos: Algunos Comentarios (Críticos). In *El Retorno de los Cascos Celtibéricos de Aratis: Un Relato Inacabado*, edited by Ricardo González Villaescusa and Raimon Graells i Fabregat, pp. 241–255. Government of Aragon, Aragon, Spain.
- Graells i Fabregat, Raimon. 2024. Necesidad y Riesgo de Estudiar Patrimonio Mueble sin Contexto: El Caso de los Cascos Celtibéricos en Colecciones Europeas. *Imafronte* 31:53–64.
- Graells i Fabregat, Raimon, and Michael Müller-Karpe. 2021. Periplo Anticuário. In *El Retorno de los Cascos Celtibéricos de Aratis: Un Relato Inacabado*, edited by Ricardo González Villaescusa and Raimon Graells i Fabregat, pp. 127–136. Government of Aragon, Aragon, Spain.
- Graepler, Daniel. 1993. *Fundort: Unbekannt. Raubgrabungen zerstören das archäologische Erbe*. Walter Biering, Munich.
- Graepler, Daniel. 1995. In Margine alla Mostra Itinerante “L'uogo di Rinvenimento: Sconosciuto. Scavi Clandestine Distruggono il Patrimonio Archeologico”. In *Bollettino d'Arte: Antichità senza Provenienza*, edited by Paola Pelagatti and Malcolm Bell III, pp. 63–72. Ministero per i beni culturali e ambientali, Rome.
- James, Simon. 2004. *The Excavations at Dura-Europos Conducted by Yale University and the French Academy of Inscriptions and Letters 1928 to 1937: Final Report VII: The Arms and Armour and Other Military Equipment*. British Museum, London.
- James, Simon. 2011. Stratagems, Combat, and “Chemical Warfare” in the Siege Mines of Dura-Europos. *American Journal of Archaeology* 115(1):69–101.
- James, Simon. 2019. *The Roman Military Base at Dura-Europos, Syria: An Archaeological Visualisation*. Oxford University Press, Oxford.
- Junkelmann, Marcus. 2002. Sammler und Mäzen – zum Tode von Axel Guttman. *Antike Welt* 33(3):363.
- Justnes, Årstein. 2023. Provenance and the Dead Sea Scrolls: Five Examples. In *Variant Scholarship: Ancient Texts in Modern Contexts*, edited by Neil Brodie, Morag M. Kersel, and Josephine M. Rasmussen, pp. 41–58. Sidestone, Leiden, Netherlands.
- Kersel, Morag M. 2021. Telling Stories of Objects. In *Object Biographies: Collaborative Approaches to Ancient Mediterranean Art*, edited by John N. Hopkins, Sarah K. Costello, and Paul R. Davis, pp. 261–272. Menil Collection, Houston, Texas.
- Kersel, Morag M. 2023. The Trouble with Texts. In *Variant Scholarship: Ancient Texts in Modern Contexts*, edited by Neil Brodie, Morag M. Kersel, and Josephine M. Rasmussen, pp. 153–166. Sidestone, Leiden, Netherlands.

- Kopytoff, Igor. 1986. The Cultural Biography of Things: Commoditization as Process. In *The Social Life of Things: Commodities in Cultural Perspective*, edited by Arjun Appadurai, pp. 64–94. Cambridge University Press, Cambridge.
- Korsvall, Nils H. 2023. Disciplinary Pitfalls: How Good Philology Can Mask Bad Provenance. In *Variant Scholarship: Ancient Texts in Modern Contexts*, edited by Neil Brodie, Morag M. Kersel, and Josephine M. Rasmussen, pp. 23–40. Sidestone, Leiden, Netherlands.
- Leriche, Pierre, and Gaëlle Coqueugniot, with Ségolère de Pontbriand. 2012. New Research by the French-Syrian Archaeological Expedition to Europos-Dura and New Data of Polytheistic Sanctuaries in Europos-Dura. In *Edge of Empire: Pagans, Jews, and Christians at Roman Dura-Europos*, edited by Jennifer Y. Chi and Sebastian Heath, pp. 14–39. Institute for the Study of the Ancient World, New York University, New York.
- Levett, Christian. 2021. ¿Es Posible Legitimar el Mercado de Antigüedades? In *El Retorno de los Cascos Celtibéricos de Aratis: Un Relato Inacabado*, edited by Ricardo G. Villaescusa and Raimon Graells i Fabregat, pp. 267–276. Government of Aragon, Aragon, Spain.
- Lewis, George H., and Jonathan F. Lewis. 1980. The Dog in the Night-Time: Negative Evidence in Social Research. *British Journal of Sociology* 31(4):544–558.
- Llorio Alvarado, Alberto, Raimon Graells i Fabregat, Michael Müller-Karpe, Francisco Romeo Marugán, and J. Ignacio Royo Guillén. 2019. La Destrucción del Patrimonio Celtibérico: El Caso del Valle del Río Huecha y de la Sierra del Moncayo. In *Musealizando la Protohistoria Peninsular*, edited by Glòria Munilla, pp. 101–126. University of Barcelona, Barcelona.
- Lundén, Staffan. 2004. The Scholar and the Market. In *Swedish Archaeologists on Ethics*, edited by Håkon Karlson, pp. 198–246. Brocoleur, Lindome, Sweden.
- Lundén, Staffan. 2023. Looting and Learning: Teaching about the Illicit Antiquities Trade and Professional Responsibilities in Higher Education. *International Journal of Cultural Property* 30:83–104.
- Mackenzie, Simon. 2014. Conditions for Guilt-Free Consumption in a Transnational Criminal Market. *European Journal on Criminal Policy and Research* 20:503–515.
- Mackenzie, Simon, Neil Brodie, and Donna Yates, with Christos Tsirogiannis. 2020. *Trafficking Culture*. Routledge, London.
- Marlowe, Elizabeth. 2013. *Shaky Ground: Context, Connoisseurship and the History of Roman Art*. Bloomsbury, London.
- Mazza, Roberta. 2018. The Illegal Papyrus Trade and What Scholars Can Do to Stop It. *Hyperallergic*, March 1. <https://hyperallergic.com/429653/the-illegal-papyrus-trade-and-what-scholars-can-do-to-stop-it/#:~:text=Those%20who%20study%20papyri%20must,an%20eye%20on%20the%20market>, accessed April 27, 2024.
- Mazza, Roberta. 2021. Descriptions and the Materiality of Texts. *Qualitative Research* 21(3):376–393.
- Mazza, Roberta. 2023. Performing Papyrology: Cartonnage, Discovery and Provenance. In *Variant Scholarship: Ancient Texts in Modern Contexts*, edited by Neil Brodie, Morag M. Kersel, and Josephine M. Rasmussen, pp. 59–78. Sidestone, Leiden, Netherlands.
- Méndez, Rafael, and José Á. Montañés. 2013. A Case of Daylight Pillaging. *El País*, March 13. https://english.elpais.com/elpais/2013/03/13/inenglish/1363186250_497087.html, accessed March 16, 2024.
- Meyer, Karl E. 1974. *The Plundered Past*. Simon & Schuster, New York.
- Mödlinger, Marianne. 2017. *Protecting the Body in War and Combat Metal Body Armour in Bronze Age Europe*. Austrian Academy of Sciences, Vienna.
- Mödlinger, Marianne, George Abungu, Elif Denel, Matija Črešnar, Marko Mele, Mehmet Özdoğan, Suzie Thomas, et al. 2016. Committee on the Illicit Trade in Cultural Material. *European Archaeologist* 49:16–20.
- Mödlinger, Marianne, and Christos Tsirogiannis. 2020. Recent Cases of Unprovenanced Armour in the Antiquities Market. *Archäologisches Korrespondenzblatt* 50:323–337.
- Müller-Kessler, Christa. 2005. Of Jesus, Darius, Marduk . . . : Aramaic Magic Bowls in the Moussaieff Collection. *Journal of the American Oriental Society* 125(2):219–240.
- Naylor, R. T. 2002. *Wages of Crime*. Cornell University Press, Ithaca, New York.
- Prescott, Christopher, and Josephine M. Rasmussen. 2020. Exploring the “Cozy Cabal of Academics, Dealers and Collectors” through the Schøyen Collection. *Heritage* 3(1):68–97.
- Price, Sally. 2001. *Primitive Art in Civilized Places*. University of Chicago, Chicago.
- Romeo Marugán, Francisco. 2021. A New Method of Forensic Archaeology. In *Crime and Art: Sociological and Criminological Perspectives of Crimes in the Art World*, edited by Naomi Oosterman and Donna Yates, pp. 79–102. Springer, Cham, Switzerland.
- Society for American Archaeology (SAA). 2023. Editorial Policy, Information for Authors, and Style Guide for *American Antiquity*, *Latin American Antiquity*, and *Advances in Archaeological Practice*. Electronic document, [saa-style-guide_english_updated_2021_final08023c15928949dabdb02faafb269fb1c.pdf](https://saa-style-guide_updated_2021_final08023c15928949dabdb02faafb269fb1c.pdf), accessed April 30, 2024.
- Travis, Hilary, and John Travis. 2014. *Roman Helmets*. Stroud, Amberley, England.
- Tubb, Kathryn W. 1997. Focusing beyond the Microscope: Ethical Considerations in Conservation. *Art, Antiquity and Law* 2:41–50.
- Tubb, Kathryn W. 2013. Shifting Approaches to Illicit Antiquities among Conservators. In *Realising Cultural Heritage Law: Festschrift for Patrick O’Keefe*, edited by Lyndel V. Prott, Ruth Redmond-Cooper, and Stephen Urice, pp. 145–162. Institute of Art and Law, Leicester, England.
- United Nations. 2015. Unanimously Adopting Resolution 2199 (2015), Security Council Condemns Trade with Al-Qaida Associated Groups, Threatens Further Targeted Sanctions. Electronic document, <https://press.un.org/en/2015/sc11775.doc.htm>, accessed April 30, 2024.
- United Nations Educational, Scientific and Cultural Organization (UNESCO). 2024. UNESCO Fight Illicit Trafficking (1970 Convention). Electronic document, <https://www.unesco.org/en/fight-illicit-trafficking?hub=365>, accessed April 30, 2024.

- Wirth, Christa, and Josephine M. Rasmussen. 2023. The Value of Forgeries for Historical Research. In *Variant Scholarship: Ancient Texts in Modern Contexts*, edited by Neil Brodie, Morag M. Kersel, and Josephine M. Rasmussen, pp. 169–188. Sidestone, Leiden, Netherlands.
- Worrell, Sally, Dot Boughton, and John Pearce. 2018. Discovery, Sale, Restoration and Analysis. In *The Crosby Garrett Helmet*, edited by David J. Breeze, pp. 27–34. Cumberland and Westmorland Antiquarian and Archaeological Society, Lancaster, UK.
- Wylie, Alison. 2003. On Ethics. In *Ethical Issues in Archaeology*, edited by Larry J. Zimmerman, Karen D. Vitelli, and Julie Hollowell-Zimmer, pp. 3–16. AltaMira, Walnut Creek, California.
- Yates, Donna, and Simon Mackenzie. 2021. Crime, Material and Meaning in Art World Desirescapes: How Matter Matters for Art Crime. In *Crime and Art: Sociological and Criminological Perspectives of Crimes in the Art World*, edited by Naomi Oosterman and Donna Yates, pp. 119–133. Springer, Cham, Switzerland.