



# EUROPEAN METALS IN NATIVE HANDS

*Rethinking Technological Change  
1640-1683*

**KATHLEEN L. EHRHARDT**

# European Metals In Native Hands Rethinking Technological Change 1640 1683

**Jane Lydon, Uzma Z Rizvi**



## **European Metals In Native Hands Rethinking Technological Change 1640 1683:**

**European Metals in Native Hands** Kathleen L. Ehrhardt, 2005-02-27 The first detailed analysis of Native metalworking in the Protohistoric Contact Period From the time of their earliest encounters with European explorers and missionaries Native peoples of eastern North America acquired metal trinkets and utilitarian items and traded them to other aboriginal communities As Native consumption of European products increased their material culture repertoires shifted from ones made up exclusively of items produced from their own craft industries to ones substantially reconstituted by active appropriation manipulation and use of foreign goods These material transformations took place during the same time that escalating historical political economic and demographic influences such as epidemics new types of living arrangements intergroup hostilities new political alliances missionization and conversion changes in subsistence modes etc disrupted Native systems Ehrhardt s research addresses the early technological responses of one particular group the Late Protohistoric Illinois Indians to the availability of European introduced metal objects To do so she applied a complementary suite of archaeometric methods to a sample of 806 copper based metal artifacts excavated from securely dated domestic contexts at the Illiniwek Village Historic Site in Clark County Missouri Ehrhardt s scientific findings are integrated with observations from historical archaeological and archival research to place metal use by this group in a broad social context and to critique the acculturation perspective at other Contact Period sites In revealing actual Native practice from material selection and procurement to ultimate discard the author challenges technocentric explanations for Native material and cultural change at contact

**Archaeometallurgy in Mesoamerica** Aaron N. Shugar, Scott E. Simmons, 2013-01-15 Presenting the latest in archaeometallurgical research in a Mesoamerican context Archaeometallurgy in Mesoamerica brings together up to date research from the most notable scholars in the field These contributors analyze data from a variety of sites examining current approaches to the study of archaeometallurgy in the region as well as new perspectives on the significance metallurgy and metal objects had in the lives of its ancient peoples The chapters are organized following the cyclical nature of metals beginning with extracting and mining ore moving to smelting and casting of finished objects and ending with recycling and deterioration back to the original state once the object is no longer in use Data obtained from archaeological investigations ethnohistoric sources ethnographic studies along with materials science analyses are brought to bear on questions related to the integration of metallurgy into local and regional economies the sacred connotations of copper objects metallurgy as specialized crafting and the nature of mining alloy technology and metal fabrication

Muddy Ground John William Nelson, 2023-09-12 In early North America carrying watercraft usually canoes and supplies across paths connecting one body of water to another was essential in the establishment of both Indigenous and European mobility in the continent s interior The Chicago portage a network of overland canoe routes that connected the Great Lakes and Mississippi watersheds grew into a crossroads of interaction as Indigenous and European people vied for its control during early contact

and colonization John William Nelson charts the many peoples that traversed and sought power along Chicago's portage paths from the seventeenth to the mid nineteenth centuries including Indigenous Illinois traders French explorers Jesuit missionaries Meskwaki warriors British officers Anishinaabe headmen and American settlers Nelson compellingly demonstrates that even deep within the interior power relations fluctuated based on the control of waterways and local environmental knowledge Pushing beyond political and cultural explanations for Indigenous European relations in the borderlands of North America Nelson places environmental and geographic realities at the center of the history of Indigenous Chicago offering a new explanation for how the United States gained control of the North American interior through a two pronged subjugation of both the landscapes and peoples of the continent     *Archaeology, Copper, and Complexity in the Middle Atlantic Region* Gregory Denis Lattanzi, 2022-01-14 For the prehistoric people of the Middle Atlantic region copper held a fascination higher than rank achievement or status Native copper artifacts along with other exotic objects were seen as a conduit or connection between the living and the dead and were used in burial Other studies have viewed the use of such artifacts in burials as indicative of an individual's status and rank providing evidence for complex society In *Archaeology Copper and Complexity* Gregory Denis Lattanzi contends that such economic explanations should be rethought arguing that the presence of highly exotic artifacts like copper beads and gorgets could be representative of the different mechanisms at play within prehistoric ideology ceremonialism and ritual     **From Hard Rock to Heavy Metal** Michelle Rae Bebbler, Christopher B. Wolff, 2025-07-01 The discovery and development of metals as tool media is a topic of global interest This phenomenon is generally associated with sedentary agricultural societies however in North America metal use by hunter gatherer populations began as early as 9 000 years ago and continued into modern times The regional and cultural diversity of research in this volume contributes to how we conceptualize hunter gatherer innovation technological proficiency and complex decision making in the past Readers are challenged to reconsider long held assumptions about how when and under what conditions metal became a part of humanity's story     *Indigenous Prosperity and American Conquest* Susan Sleeper-Smith, 2018-05-11 *Indigenous Prosperity and American Conquest* recovers the agrarian village world Indian women created in the lush lands of the Ohio Valley Algonquian speaking Indians living in a crescent of towns along the Wabash tributary of the Ohio were able to evade and survive the Iroquois onslaught of the seventeenth century to absorb French traders and Indigenous refugees to export peltry and to harvest riparian wetland and terrestrial resources of every description and breathtaking richness These prosperous Native communities frustrated French and British imperial designs controlled the Ohio Valley and confederated when faced with the challenge of American invasion By the late eighteenth century Montreal silversmiths were sending their best work to Wabash Indian villages Ohio Indian women were setting the fashions for Indigenous clothing and European visitors were marveling at the sturdy homes and generous hospitality of trading entrepôts such as Miami Town Confederacy agrarian abundance and nascent urbanity were

however both too much and not enough Kentucky settlers and American leaders like George Washington and Henry Knox coveted Indian lands and targeted the Indian women who worked them Americans took women and children hostage to coerce male warriors to come to the treaty table to cede their homelands Appalachian squatters aspiring land barons and ambitious generals invaded this settled agrarian world burned crops looted towns and erased evidence of Ohio Indian achievement This book restores the Ohio River valley as Native space *Ban Chiang, Northeast Thailand, Volume 2A* Joyce C. White, Elizabeth G. Hamilton, 2018-11-09 The emergence and adoption of metallurgy is one of the seminal topics of investigation in the history of archaeology particularly in the history of archaeological research in Southeast Asia The site of Ban Chiang Thailand is a central site in debates surrounding the chronology and significance of early metallurgy in the region This book is the first in a series of four volumes that review the contributions of Ban Chiang and three related sites in northeast Thailand excavated by the Penn Museum to an understanding early metallurgy in Thailand As the study of archaeometallurgy is a complex topic that draws on numerous technical and social science disciplines this introductory volume presents in several chapters the background needed to assess the metal and related evidence presented in the subsequent volumes in this series A history of perspectives on the role of metals in ancient societies generally and Southeast Asia specifically is provided Other chapters debunk the conventional paradigm for understanding metals and society and provide current theoretical perspectives and new paradigms for the study of ancient metals The geological basis for the presence and location of metal ore resources in the region is reviewed The final chapter presents a technical overview of ways material properties of ancient metals may be studied While providing a background to the study of metals at Ban Chiang the volume also reviews synthesizes and repositions the method and theory for the study of archaeometallurgy generally Thai Archaeology Monograph Series 2A University Museum Monograph 149 **Archaeometallurgy in Global Perspective** Benjamin W. Roberts, Christopher P. Thornton, 2014-01-07 The study of ancient metals in their social and cultural contexts has been a topic of considerable interest in archaeology and ancient history for decades partly due to the modern dependence on technology and man made materials The formal study of Archaeometallurgy began in the 1970s 1980s and has seen a recent growth in techniques data and theoretical movements This comprehensive sourcebook on Archaeometallurgy provides an overview of earlier research as well as a review of modern techniques written in an approachable way Covering an extensive range of archaeological time periods and regions this volume will be a valuable resource for those studying archaeology worldwide It provides a clear straightforward look at the available methodologies including Smelting processes Slag analysis Technical Ceramics Archaeology of Mining and Field Survey Ethnoarchaeology Chemical Analysis and Provenance Studies Conservation Studies With chapters focused on most geographic regions of Archaeometallurgical inquiry researchers will find practical applications for metallurgical techniques in any area of their study Ben Roberts is a specialist in the early metallurgy and later prehistoric archaeology of Europe He was the Curator of

the European Copper and Bronze Age collections at the British Museum between 2007 and 2012 and is now a Lecturer in Prehistoric Europe in the Department of Archaeology at the Durham University UK Chris Thornton is a specialist in the ancient metallurgy of the Middle East combining anthropological theory with archaeometrical analysis to understand the development and diffusion of metallurgical technologies throughout Eurasia He is currently a Consulting Scholar of the University of Pennsylvania Museum where he received his PhD in 2009 and the Lead Program Officer of research grants at the National Geographic Society

**Prehistoric Copper Mining in Michigan** John R. Halsey, 2018-01-01 Isle Royale and the counties that line the northwest coast of Michigan's Upper Peninsula are called Copper Country because of the rich deposits of native copper there In the nineteenth century explorers and miners discovered evidence of prehistoric copper mining in this region They used those ancient diggings as a guide to establishing their own much larger mines and in the process destroyed the archaeological record left by the prehistoric miners Using mining reports newspaper accounts personal letters and other sources this book reconstructs what these nineteenth century discoverers found how they interpreted the material remains of prehistoric activity and what they did with the stone wood and copper tools they found at the prehistoric sites This volume represents an exhaustive compilation of the early written and published accounts of mines and mining in Michigan's Upper Peninsula It will prove a valuable resource to current and future scholars Through these early historic accounts of prospectors and miners Halsey provides a vivid picture of what once could be seen John M O Shea curator of Great Lakes Archaeology University of Michigan Museum of Anthropological Archaeology

**The Archaeology of Hybrid Material Culture** Jeb J. Card, 2013-10-22 In recent years archaeologists have used the terms hybrid and hybridity with increasing frequency to describe and interpret forms of material culture Hybridity is a way of viewing culture and human action that addresses the issue of power differentials between peoples and cultures This approach suggests that cultures are not discrete pure entities but rather are continuously transforming and recombining The Archaeology of Hybrid Material Culture discusses this concept and its relationship to archaeological classification and the emergence of new ethnic group identities This collection of essays provides readers with theoretical and concrete tools for investigating objects and architecture with discernible multiple influences The twenty one essays are organized into four parts ceramic change in colonial Latin America and the Caribbean ethnicity and material culture in pre Hispanic and colonial Latin America culture contact and transformation in technological style and materiality and identity The media examined include ceramics stone and glass implements textiles bone architecture and mortuary and bioarchaeological artifacts from North South and Central America Hawai i the Caribbean Europe and Mesopotamia Case studies include Bronze Age Britain Iron Age and Roman Europe Uruk era Turkey African diasporic communities in the Caribbean pre Spanish and Pueblo revolt era Southwest Spanish colonial impacts in the American Southeast Central America and the Andes ethnographic Amazonia historic era New England and the Plains the Classic Maya nineteenth century Hawai i and Upper Paleolithic Europe The volume is carefully

detailed with more than forty maps and figures and over twenty tables The work presented in *The Archaeology of Hybrid Material Culture* comes from researchers whose questions and investigations recognized the role of multiple influences on the people and material they study Case studies include experiments in bone working in middle Missouri images and social relationships in prehistoric and Roman Europe technological and material hybridity in colonial Peruvian textiles ceramic change in colonial Latin America and the Caribbean and flaked glass tools from the leprosarium at Kalawao Molokai The essays provide examples and approaches that may serve as a guide for other researchers dealing with similar issues

**Crafting History in the Northern Plains** Mark D. Mitchell, 2013-04-04 In *Crafting History in the Northern Plains* Mark D Mitchell shows the crucial role archaeological methods and archaeological data can play in producing trans Columbian histories Mitchell provides a regional synthesis of communities located at the confluence of the Heart and Missouri rivers home to the Mandan people for more than five centuries

**The Archaeology of Native-lived Colonialism** Neal Ferris, 2009-01-01 Colonialism may have significantly changed the history of North America but its impact on Native Americans has been greatly misunderstood In this book Neal Ferris offers alternative explanations of colonial encounters that emphasize continuity as well as change affecting Native behaviors He examines how communities from three aboriginal nations in what is now southwestern Ontario negotiated the changes that accompanied the arrival of Europeans and maintained a cultural continuity with their pasts that has been too often overlooked in conventional master narrative histories of contact In reconsidering Native adaptation and resistance to colonial British rule Ferris reviews five centuries of interaction that are usually read as a single event viewed through the lens of historical bias He first examines patterns of traditional lifeway continuity among the Ojibwa demonstrating their ability to maintain seasonal mobility up to the mid nineteenth century and their adaptive response to its loss He then looks at the experience of refugee Delawares who settled among the Ojibwa as a missionary sponsored community yet managed to maintain an identity distinct from missionary influences And he shows how the archaeological history of the Six Nations Iroquois reflected patterns of negotiating emergent colonialism when they returned to the region in the 1780s exploring how families managed tradition and the contemporary colonial world to develop innovative ways of revising and maintaining identity *The Archaeology of Native Lived Colonialism* convincingly utilizes historical archaeology to link the Native experience of the eighteenth and nineteenth centuries to the deeper history of sixteenth and seventeenth century interactions and with pre European times It shows how these Native communities succeeded in retaining cohesiveness through centuries of foreign influence and material innovations by maintaining ancient adaptive social processes that both incorporated European ideas and reinforced historically understood notions of self and community

*Modeling Entradas* Clay Mathers, 2020-09-08 In *Modeling Entradas* Clay Mathers brings together leading archaeologists working across the American South to offer a comprehensive comparative analysis of Spanish entrada assemblages These expeditions into the interior of the North American continent

were among the first contacts between New and Old World communities and the study of how they were organized and the routes they took based on the artifacts they left behind illuminates much about the sixteenth century indigenous world and the colonizing efforts of Spain Focusing on the entradas of conquistadors Francisco V zquez de Coronado Hernando de Soto Trist n de Luna y Arellano and Juan Pardo contributors offer insights from recently discovered sites including encampments battlefields and shipwrecks Using the latest interpretive perspectives they turn the narrative of conquest from a simple story of domination to one of happenstance circumstance and interactions between competing social political and cultural worlds These essays delve into the dynamic relationships between Native Americans and Europeans in a variety of contexts including exchange disease conflict and material production This volume offers valuable models for evaluating synthesizing and comparing early expeditions showing how object oriented and site focused analyses connect to the anthropological dimensions of early contact patterns of regional settlement and broader historical trajectories such as globalization Contributors Robin A Beck Edmond A Boudreaux III John R Bratten Charles Cobb Chester B DePratter Munir Humayun David J Hally Ned J Jenkins James B Legg Brad R Lieb Michael Marshall Clay Mathers Jeffrey M Mitchem David G Moore Christopher B Rodning Daniel Seinfeld Craig T Sheldon Jr Marvin T Smith Steven D Smith John E Worth A volume in the Florida Museum of Natural History Ripley P Bullen Series

**Archaeological Perspectives on the French in the New World** Elizabeth M. Scott, 2017-05-09 This book has essentially created a new field of study with a surprising range of insights on the ethnicity class gender and foodways of French speakers of European and African descent adapting to life under British Spanish or American political regimes Gregory A Waselkov author of A Conquering Spirit Fort Mims and the Redstick War of 1813 1814 Significant and intriguing Strengthens the view that French colonists and their descendants are an important part of American heritage and that the worlds they created are significant to our understanding of modern life John A Walthall editor of French Colonial Archaeology The Illinois Country and the Western Great Lakes Correcting the notion that French influence in the Americas was confined mostly to Qu bec and New Orleans this collection reveals a wide range of vibrant French speaking communities both during and long after the end of French colonial rule This volume highlights the complexity of Francophone societies the persistence of their cultural traditions and the innovative means they employed to cope with the cultural and environmental demands of living in the New World Analyzing artifacts including clay pipes colonoware and food remains alongside a rich body of historical records contributors focus on how French descendants impacted North America the Caribbean and South America even after 1763 Taken together the essays argue that communities do not need to be located in French colonies or contain French artifacts to be considered Francophone and they show that many Francophone groups were composed of a mix of ethnic French M tis Native Americans and African Americans The contributors emphasize the important roles that French colonists and their descendants have played in New World histories Elizabeth M Scott former associate professor of anthropology at Illinois State University is the editor of Those



of Little Note Gender Race and Class in Historical Archaeology      **Journal of Northwest Anthropology** Darby C. Stapp, 2015-09-01 Making the List Mount St Helens as a Traditional Cultural Property a Case Study in Tribal Government Cooperation Richard H McClure and Nathaniel D Reynolds Metal and Prestige in the Greater Lower Columbia River Region Northwestern North America H Kory Cooper Kenneth M Ames Loren G Davis Archaeological Feature Preservation in Active Fluvial Environments An Experimental Case Study from the Snoqualmie River King County Washington State J Tait Elder Patrick Reed Alexander E Stevenson and M Shane Sparks Seals and Sea Lions in the Columbia River An Evaluation and Summary of Research Deward E Walker Jr The 67th Annual Northwest Anthropological Conference Abstracts Journal of Northwest Anthropology List of Reviewers 2012 2015      *Pre-contact America: Oxford Bibliographies Online Research Guide* Kathleen DuVal, 2010-06 This ebook is a selective guide designed to help scholars and students of the ancient world find reliable sources of information by directing them to the best available scholarly materials in whatever form or format they appear from books chapters and journal articles to online archives electronic data sets and blogs Written by a leading international authority on the subject the ebook provides bibliographic information supported by direct recommendations about which sources to consult and editorial commentary to make it clear how the cited sources are interrelated This ebook is just one of many articles from Oxford Bibliographies Online Atlantic History a continuously updated and growing online resource designed to provide authoritative guidance through the scholarship and other materials relevant to the study of Atlantic History the study of the transnational interconnections between Europe North America South America and Africa particularly in the early modern and colonial period Oxford Bibliographies Online covers most subject disciplines within the social science and humanities for more information visit [www.oxfordbibliographies.com](http://www.oxfordbibliographies.com)      **The Black Sea and the Early Civilizations of Europe, the Near East and Asia** Mariya Ivanova, 2013 This book presents the first comprehensive overview of the Black Sea region in the prehistoric period      **Handbook of Postcolonial Archaeology** Jane Lydon, Uzma Z Rizvi, 2016-07-01 This essential handbook explores the relationship between the postcolonial critique and the field of archaeology a discipline that developed historically in conjunction with European colonialism and imperialism In aiding the movement to decolonize the profession the contributors to this volume themselves from six continents and many representing indigenous and minority communities and disadvantaged countries suggest strategies to strip archaeological theory and practice of its colonial heritage and create a discipline sensitive to its inherent inequalities Summary articles review the emergence of the discipline of archaeology in conjunction with colonialism critique the colonial legacy evident in continuing archaeological practice around the world identify current trends and chart future directions in postcolonial archaeological research Contributors provide a synthesis of research thought and practice on their topic The articles embrace multiple voices and case study approaches and have consciously aimed to recognize the utility of comparative work and interdisciplinary approaches to understanding the past This is a benchmark volume for the study of the contemporary politics

practice and ethics of archaeology Sponsored by the World Archaeological Congress

**Historical Archaeology of the Delaware Valley, 1600-1850** Richard Veit, David Orr, 2014-02-01 The Delaware Valley is a distinct region situated within the Middle Atlantic states encompassing portions of Delaware Pennsylvania New Jersey and Maryland With its cultural epicenter of Philadelphia its surrounding bays and ports within Maryland and Delaware and its conglomerate population of European settlers Native Americans and enslaved Africans the Delaware Valley was one of the great cultural hearths of early America The region felt the full brunt of the American Revolution briefly served as the national capital in the post Revolutionary period and sheltered burgeoning industries amidst the growing pains of a young nation Yet despite these distinctions the Delaware Valley has received less scholarly treatment than its colonial equals in New England and the Chesapeake region In *Historical Archaeology of the Delaware Valley 1600 1850* Richard Veit and David Orr bring together fifteen essays that represent the wide range of cultures experiences and industries that make this region distinctly American in its diversity From historic period American Indians living in a rapidly changing world to an archaeological portrait of Benjamin Franklin from an eighteenth century shipwreck to the archaeology of Quakerism this volume highlights the vast array of research being conducted throughout the region Many of these sites discussed are the locations of ongoing excavations and archaeologists and historians alike continue to debate the region's multifaceted identity The archaeological stories found within *Historical Archeology of the Delaware Valley 1600 1850* reflect the amalgamated heritage that many American regions experienced though the Delaware Valley certainly exemplifies a richer experience than most it even boasts the palatial home of a king Joseph Bonaparte elder brother of Napoleon and former King of Naples and Spain This work thoroughly based on careful archaeological examination tells the stories of earlier generations in the Delaware Valley and makes the case that New England and the Chesapeake are not the only cultural centers of colonial America

**North America's Indian Trade in European Commerce and Imagination, 1580-1850** George Colpitts, 2013-11-29 In *North America's Indian Trade in European Commerce and Imagination* Colpitts offers new perspectives on Europe's contact with America by examining the ideas debates and questions arising in the trading that linked newcomers with Native people European capitalization of the Indian Trade beginning in the 16th century forced newcomers to confront the meaning and legitimacy of traditional gift economies and assess the vice and virtue of the commerce they pursued in the New World Making use of French and English colonization texts published narratives and state colonial papers the author explores how European capital investments credit profits and commercial linkages elaborated and complicated understandings of North American people in the period of colonization

## Unveiling the Energy of Verbal Beauty: An Mental Sojourn through **European Metals In Native Hands Rethinking Technological Change 1640 1683**

In a world inundated with displays and the cacophony of fast communication, the profound power and psychological resonance of verbal art frequently diminish in to obscurity, eclipsed by the regular barrage of noise and distractions. Yet, located within the musical pages of **European Metals In Native Hands Rethinking Technological Change 1640 1683**, a captivating work of literary brilliance that impulses with natural emotions, lies an unforgettable journey waiting to be embarked upon. Published by way of a virtuoso wordsmith, this enchanting opus instructions readers on an emotional odyssey, gently exposing the latent potential and profound impact embedded within the delicate web of language. Within the heart-wrenching expanse of this evocative analysis, we will embark upon an introspective exploration of the book is key styles, dissect their fascinating writing style, and immerse ourselves in the indelible impact it leaves upon the depths of readers souls.

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