

Lapis Lazuli From The Kiln Glass And Glassmaking In The Late Bronze Age Studies In Archaeological Sciences

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Studies in Aramaic Inscriptions and Onomastics Edward Lipi?ski 1975 A large number of Aramaic inscriptions from the 9th century B.C. to the 3rd century A.D. are revisited in this fourth volume of Studies. After the stele of Tel Dan, the epitaph of Kuttamuwa from Zincirli, and the inscription found at Tepe Qalaichi, Aramaic dockets from Dur-Katlimmu are re-examined, distinguishing a court ruling concerning theft, agreements regarding mortgage, guarantee, indemnity, barley and silver loans, and the particular nsk-loan. Next are examined "cadastral" reports from Idumaea, some inscriptions from Hellenistic times, a divorce bill from the Roman period, several Palmyrene dedications, epitaphs, and honorific inscriptions, as well as some Hatraean texts, mainly related to Adiabene. Finally, Mercionism is considered as background of a saying on "two gods," ascribed to Rabbi Hiyya bar Abba. Like in the preceding volumes of Studies, detailed indexes list the inscriptions, the personal names and the place-names examined, as well as other subjects.

Diplomacy by Design Marian H. Feldman 2006-05-15 Art and international relations during the Late Bronze Age formed a symbiosis as expanded travel and written communications fostered unprecedented cultural exchange across the Mediterranean. Diplomacy in these new political and imperial relationships was often maintained through the exchange of lavish art objects and luxury goods. The items bestowed during this time shared a repertoire of imagery that modern scholars call the first International Style in the history of art. Marian Feldman's Diplomacy by Design examines the profound connection between art produced during this period and its social context, revealing inanimate objects as catalysts—or even participants—in human dynamics. Feldman's fascinating study shows the ways in which the exchange of these works of art actively mediated and strengthened political relations, intercultural interactions, and economic negotiations. Previous studies of this international style have focused almost exclusively on stylistic attribution at the expense of social contextualization. Written by a specialist in ancient Near Eastern art and archaeology who has excavated and traveled extensively in this area of the world, Diplomacy by Design provides a much broader consideration of the symbolic power of material culture and its centrality in the construction of human relations.

Lapis Lazuli from the Kiln Andrew J. Shortland 2012 "This book examines the history of the first glass, from its early sporadic occurrence, through the height of its production in the late second millennium BC, to its disappearance at the end of that millennium. It draws on an exceptionally wide range of sources including ancient texts detailing recipes and trade in glass, iconographic depictions in tombs and temples, archaeological excavation of the most important sites [including Amarna and Qantir], and the description of the glass objects themselves. The area covered includes the heart of glassmaking and use in Egypt and the Near East, and to a lesser extent those areas were [sic] glass might have been traded, for example the Levant and the Mycenaean Aegean. It also considers the life of the glassmaker, his or her place in society and relationship to other industries"--P. [4] of cover.

Archaeological Science Michael P. Richards 2020-01-16 An accessible and wide-ranging introduction to the exciting and expanding field of archaeological science, for students, professionals and academics.

Glass and Glassmaking in Ancient Mesopotamia A. Leo Oppenheim 1970 In addition to a study of cuneiform texts, this volume includes a chemical interpretation of these texts and two accounts of Mesopotamian glass vessels of the period 1500-500 B.C. with corresponding cataloguing of objects. Illustrated.

The Social Context of Technological Change Andrew Shortland 2016-12-16 The technological capabilities of the ancient world have long fascinated scholars and the general public alike, though scholarly debate has often seen material culture not as the development of technology, but as a tool for defining chronology and delineating the level of interactions of neighbouring societies. These fourteen papers, arising from a conference held in Oxford in September 2000, take the approach that technology plays a vital role in past socio-economic systems. They cover the Near East and associated areas, including Greece, Crete, Cyprus, Anatolia, the Levant, Mesopotamia and Egypt from the end of the Middle Bronze Age to the Late Bronze Age (1650-1150 BC), a period when many technological innovations appear for the first time.

The First Thousand Years of Glass-Making in the Ancient Near East Wendy Reade 2021-04-08 This volume explores glass composition and production from the mid-second to mid-first millennia BC, the first thousand years of glass-making. Multi-element analyses of 132 glasses from Pella in Jordan, and Nuzi and Nimrud in Iraq (ancient Mesopotamia) produce new and important data that provide insights into the earliest glass production.

Techniques of Kiln-formed Glass Keith Cummings 1997-01-29 This book is a must for everyone interested in glass, especially artisans and collectors.

Glazed Brick Decoration in the Ancient Near East Anja Fügert 2020-06-18 Glazed bricks applied as a new form of colourful and glossy architectural decor first started to appear in the early Iron Age on monumental buildings of the Ancient Near East. This volume provides an updated overview of the development of glazed bricks and scientific research on the topic.

Serçe Limani, Vol 2 George F. Bass 2009-07-20 For almost a millennium, a modest wooden ship lay underwater off the coast of Serçe Limani, Turkey, filled with evidence of trade and objects of daily life. The ship, now excavated by the Institute of Nautical Archaeology at Texas A&M University, trafficked in both the Byzantine and Islamic worlds of its time. Known as "the Glass Wreck," it bore cargo that included three metric tons of glass cullet, including broken Islamic vessels and eighty pieces of intact glassware, along with various artifacts of ship life. This second volume of the discovery's investigation focuses on the excavation, conservation, and study of the glass found in the wreckage. The extensive catalog will be a valuable tool for archaeologists and scholars of Islamic glass and Islamic trade. Further, the systematic methodology and presentation of such a large undertaking will serve as a model for future study across many disciplines.

Glass and Glass Production in the Near East during the Iron Age Katharina Schmidt 2019-03-12 This book examines the history of glass in Iron Age Mesopotamia and neighbouring regions (1000–539 BCE). This is the first monograph to cover this region and period comprehensively and in detail and thus fills a significant gap in glass research.

The Ancient Near East Mario Liverani 2013-12-04 The Ancient Near East reveals three millennia of history (c. 3500–500 bc) in a single work. Liverani draws upon over 25 years' worth of experience and this personal odyssey has enabled him to retrace the history of the peoples of the Ancient Near East. The history of the Sumerians, Hittites, Assyrians, Babylonians and more is meticulously detailed by one of the leading scholars of Assyriology. Utilizing research derived from the most recent archaeological finds, the text has been fully revised for this English edition and explores Liverani's current thinking on the history of the Ancient Near East. The rich and varied illustrations for each historical period, augmented by new images for this edition, provide insights into the material and textual sources for the Ancient Near East. Many highlight the ingenuity and technological prowess of the peoples in the Ancient East. Never before available in English, The Ancient Near East represents one of the greatest books ever written on the subject and is a must read for students who will not have had the chance to explore the depth of Liverani's scholarship.

The Meaning of Color in Ancient Mesopotamia Shiyanthi Thavapalan 2019-10-21 "In The Meaning of Color in Ancient Mesopotamia, Shiyanthi Thavapalan offers the first in-depth study of the words and expressions for colors in the Akkadian language (c. 2500-500 BCE). By combining philological analysis with the technical investigation of materials, she debunks the misconception that people in Mesopotamia had a limited sense of color and convincingly positions the development of Akkadian color language as a corollary of the history of materials and techniques in the ancient Near East"--

Technology and Urbanism in Late Bronze Age Egypt Anna K. Hodgkinson 2018 This study examines the distribution of high-status materials in addition to archaeological evidence of their production in the settlements known as royal cities during the New Kingdom in ancient Egypt (c.1550-1069 BC). The research focuses on the site sites of Amarna, Gurob, and Malqata, but incorporates Qantir/Pi-Ramesse for comparison.

Handheld XRF for Art and Archaeology

Aaron N. Shugar 2012 This volume focuses specifically on the applications, possibilities, and limitations of handheld X-ray fluorescence devices in art conservation and archaeology.

Contemporary Kiln-formed Glass Keith Cummings 2009-11-06 "A global survey of artists putting kiln-formed glass techniques into practice."--Publisher's description.

Approaches to the Analysis of Production Activity at Archaeological Sites Anna K. Hodgkinson 2020-03-05 Proceedings of a workshop held in Berlin, 2018, focusing on manufacturing activities identified at archaeological sites. New excavation techniques, ethnographic research, archaeometric approaches, GIS, experimental archaeology, and theoretical issues associated with how researchers understand production in the past, are presented here.

Tomb Robberies at the End of the New Kingdom Valentina Gasperini 2018-06-28 00 Overview0 Description0 Table of Contents0 Author Information00Cover0Tomb Robberies at the End of the New Kingdom0The Gurob Burnt Groups Reinterpreted0Valentina Gasperini0Oxford Studies In Egyptian Archaeology0Description00At the end of the 19th century W.M.F. Petrie excavated a series of assemblages at the New Kingdom Fayum site of Gurob. These deposits, known in the Egyptological literature as 'Burnt Groups', were composed by several and varied materials (mainly Egyptian and imported pottery, faience, stone and wood vessels, jewellery), all deliberately burnt and buried in the harem palace area of the settlement. Since their discovery these deposits have been considered peculiar and unparalleled. Many scholars were challenged by them and different theories were formulated to explain these enigmatic 'Burnt Groups'.00The materials excavated from these assemblages are now curated at several Museum collections across England: Ashmolean Museum, British Museum, Manchester Museum, and Petrie Museum. For the first time since their discovery, this book presents these materials all together. Gasperini has studied and visually analysed all the items. This research sheds new light on the chronology of deposition of these assemblages, additionally a new interpretation of their nature, primary deposition, and function is presented in the conclusive chapter.

Mobile Technologies in the Ancient Sahara and Beyond C. N. Duckworth 2020-09-03 Examines key technological innovations, knowledge transfer, connectivity and social meaning in the ancient and Medieval Sahara.

Trade before Civilization Johan Ling 2022-07-31 Trade before Civilization explores the role that long-distance exchange played in the establishment and/or maintenance of social complexity, and its role in the transformation of societies from egalitarian to non-egalitarian. Bringing together research by an international and methodologically diverse team of scholars, it analyses the relationship between long-distance trade and the rise of inequality. The volume illustrates how elites used exotic prestige goods to enhance and maintain their elevated social positions in society. Global in scope, it offers case studies of early societies and sites in Europe, Asia, Oceania, North America, and Mesoamerica. Deploying a range of inter-disciplinary and cutting-edge theoretical approaches from a cross-cultural framework, the volume offers new insights and enhances our understanding of socio-political evolution. It will appeal to archaeologists, cultural anthropologists, conflict theorists, and ethnohistorians, as well as economists seeking to understand the nexus between imported luxury items and cultural evolution.

All Things Ancient Egypt: An Encyclopedia of the Ancient Egyptian World [2 volumes] Lisa K. Sabbahy 2019-04-24 Written by specialists in the field of Egyptology, this book is a readable introduction to ancient Egypt, covering all anticipated subjects and stressing the monuments and material culture of this remarkable ancient civilization. • Presents a timeline to succinctly identify key events in the history of ancient Egypt • Provides an introduction of the physical geography of ancient Egypt and an overview of the history of that civilization • Offers alphabetically arranged reference entries written by expert contributors for fundamental information about the material culture and social institutions of ancient Egypt • Features excerpts from primary source documents to give readers first-hand accounts of ancient Egyptian civilization • Cites works for further reading to complement a bibliography at the close of the work

Art of Glass Geoffrey Edwards 1998 Jointly published by the National Gallery of Victoria and Macmillan Publishers Australia this book is the first publication to document in depth the nature, extent and history of the National Gallery of Victorias celebrated glass collection. Its author, and expert on the art of glass, Geoffrey Edwards, has selected the most magnificent works from the collection, each reproduced in colour, as the basis for a broader discussion of the history of glassmaking in the worlds leading production centres, from the ancient Mediterranean to the present day. With fine photographs by Garry Sommerfeld, this book provides a most spectacular visual array.

Ancient Glass of South Asia Alok Kumar Kanungo 2021 This book provides a comprehensive research on Ancient Indian glass. The contributors include experienced archaeologists of South Asian glass and archaeological chemists with expertise in the chemical analysis of glass, besides, established ethnohistorians and ethnoarchaeologists. It is comprised of five sections, and each section discusses different aspects of glass study: the origin of glass and its evolution, its scientific study and its care, ancient glass in literature and glass ethnography, glass in South Asia and the diffusion of glass in different parts of the world. The topic covered by the different chapters ranges from the development of faience, to the techniques developed for the manufacture of glass beads, glass bangles or glass mirrors at different times in south Asia, a major glass producing region and the regional distribution of key artefacts both within India and outside the region, in Africa, Europe or Southeast Asia. Some chapters also include extended examples of the archaeometry of ancient glasses. It makes an important contribution to archaeological, anthropological and analytical aspects of glass in South Asia. As such, it represents an invaluable resource for students through academic and industry researchers working in archaeological sciences, ancient knowledge system, pyrotechnology, historical archaeology, social archaeology and student of anthropology and history with an interest in glass and the archaeology of South Asia.

The Ancient Near East Amélie Kuhrt 2020-11-25 The Ancient Near East embraces a vast geographical area, from the borders of Iran and Afghanistan in the east to the Levant and Anatolia, and from the Black Sea in the north to Egypt in the south. It was a region of enormous cultural, political and linguistic diversity. In this authoritative new study, Amélie Kuhrt examines its history from the earliest written documents to the conquest of Alexander the Great, c.3000-330 BC. This work dispels many of the misapprehensions which have surrounded the study of the region. It provides a lucid, up-to-date narrative which takes into account the latest archaeological and textual discoveries and deals with the complex problems of interpretation and methodology. The Ancient Near East is an essential text for all students of history of this region and a valuable introduction for students and scholars working in related subjects. Winner of the AHO's 1997 James Henry Breasted Award.

Exempli Gratia Jeroen Poblome 2013-11-16 The Sagalassos Archaeological Research Project has made interdisciplinary practices part of its scientific strategy from the very beginning. The project is internationally acknowledged for important achievements in this respect. Aspects of its approach to ancient Sagalassos can be considered ground-breaking for the archaeology of Anatolia and the wider fields of classical and Roman archaeology. Now that its first project director, Professor Marc Waelkens - University of Leuven -, is at the stage of shifting practices, from an active academic career to an active academic retirement, this volume represents an excellent opportunity to reflect on the wider impact of the Sagalassos Archaeological Research Project. The contributors to the honorific publication build on the methods and practices of interdisciplinary archaeology from a wide variety of angles, in order to highlight the crucial role of interdisciplinary research for creating progress in the interpretation of the human past or nurture developments in their own disciplines. In particular, the contributors consider how the parcours of the Sagalassos Project helped to pave their ways. Contributors are international authorities in the field of Anatolian and classical archaeology, bio-archaeology, geo-archaeology, history and cultural heritage.

The Routledge Handbook of the Senses in the Ancient Near East Kiersten Neumann 2021-09-30 This Handbook is a state-of-the-field volume containing diverse approaches to sensory experience, bringing to life in an innovative, remarkably vivid, and visceral way the lives of past humans through contributions that cover the chronological and geographical expanse of the ancient Near East. It comprises thirty-two chapters written by leading international contributors that look at the ways in which humans, through their senses, experienced their lives and the world around them in the ancient Near East, with coverage of Anatolia, Egypt, the Levant, Mesopotamia, Syria, and Persia, from the Neolithic through the Roman period. It is organised into six parts related to sensory contexts: Practice, production, and taskscape; Dress and the body; Ritualised practice and ceremonial spaces; Death and burial; Science, medicine, and aesthetics; and Languages and semantic fields. In addition to exploring what makes each sensory context unique, this organisation facilitates cross-cultural and cross-chronological, as well as cross-sensory and multisensory comparisons and discussions of sensory experiences in the ancient world. In so doing, the volume also enables considerations of senses beyond the five-sense model of Western philosophy (sight, hearing, touch, taste, and smell), including proprioception and interoception, and the phenomena of synaesthesia and kinaesthesia. The Routledge Handbook of the Senses in the Ancient Near East provides scholars and students within the field of ancient Near Eastern studies new perspectives on and conceptions of familiar spaces, places, and practices, as well as material culture and texts. It also allows scholars and students from adjacent fields such as Classics and Biblical Studies to engage with this material, and is a must-read for any scholar or student interested in or already engaged with the field of sensory studies in any period.

Kleronomia: Legacy and Inheritance Joanne M.A. Murphy 2022-07-31 Kleronomiá (κλέρωνομιά)—meaning legacy, inheritance, or allotment—encapsulates many of Jeffrey Soles's feelings about the modern town and archaeological site of Mochlos in eastern Crete, his relationship with the people of Mochlos, the themes in his scholarship, and his contribution to our understanding of Minoan Crete. In ancient Greek text, kleronomiá was used to describe the amount of land that was allotted or inherited. In many ways, the exploration of Mochlos is Jeff's kleronomiá. His life's work has included both teaching students at The University of North Carolina Greensboro and co-directing with Costis Davaras the excavation of the Minoan town on the islet of Mochlos. The 27 papers presented in this volume in Jeff's honor are a testament to his legacy of scholarship in Aegean Bronze Age archaeology. The papers, which are organized chronologically, harken to the wide range of themes that Jeff has addressed and influenced during his illustrious career: ancestry, burial customs, religion, trade, jewelry, the development of Mochlos, and the rise and fall of Minoan Crete.

Ancient Glass Julian Henderson 2016-02-04 This book is an interdisciplinary exploration of archaeological glass in which technological, historical, geological, chemical, and cultural aspects of the study of ancient glass are combined. The book examines why and how this unique material was invented some 4,500 years ago and considers the ritual, social, economic, and political contexts of its development. The book also provides an in-depth consideration of glass as a material, the raw materials used to make it, and its wide range of chemical compositions in both the East and the West from its invention to the seventeenth century AD. Julian Henderson focuses on three contrasting archaeological and

scientific case studies: Late Bronze Age glass, late Hellenistic-early Roman glass, and Islamic glass in the Middle East. He considers in detail the provenances of ancient glass using scientific techniques and discusses a range of vessels and their uses in ancient societies.

Ancient Mesopotamian Materials and Industries Peter Roger Stuart Moorey 1999 This is the first systematic attempt to survey in detail the archaeological evidence for the crafts and craftsmanship of the Sumerians, Babylonians, and Assyrians in ancient Mesopotamia, covering the period ca. 8000-300 B.C.E. As creators of some of the earliest farming and urban communities known to us, these people were among the first pioneers of many crafts and skills that remain fundamental to modern ways of life. Many of the raw materials for crafts had to be imported from outside the river valley of the Tigris and Euphrates, providing an unusually sensitive indicator of the commercial and cultural contacts of Mesopotamia. In this book, Dr. Moorey reviews briefly the textual evidence, and then goes on to examine in detail the material evidence for a wide range of crafts using stones, both common and ornamental, animal products--from hippopotamus ivory to ostrich egg-shells--ceramics, glazed materials and glass, metals, and building materials. With a comprehensive bibliography, this will be a key work of reference for archaeologists and those interested in the early history of crafts and technology, as well as for specialist historians of the ancient Near East.

The Glassmakers Samuel Kurinsky 1990-12-31 "The religious and ethical contribution of the Judaism to civilization has been rightly acknowledged. The seminal role the Jews have played in the technological evolution of civilization has been largely overlooked." "This remarkable book uses the history of glassmaking as a foil with which new light is shed on the hidden history of that phenomenally creative people. During his association with the glassmakers of Venice, the author uncovered an intriguing historical symbiosis between the Jews and the art of glassmaking. The revelation impelled him to launch an intensive, eight-year campaign of research which led him across three continents and through 4000 years of human history. He discovered that the vitric arts, conceived in Akkadia among the progenitors of the Jews, was subsequently borne by the Jews into the Diaspora, an enthralling historical odyssey which has never been told in its entirety." "Many myths are shattered in the course of following the adventurous path of the art from its Akkadian roots through Canaan, Egypt, Rome, Persia, China and the West. Drawing upon a wealth of archeological, Biblical, archival and historical material, an intense beam of light is cast into the darker recesses of history in which conquered peoples suffer the indignity of having the record of their accomplishments obliterated by their conquerors, a process the author terms "Institutionalized Obfuscation."" "The peculiar parallelism between the movement of the Jews and the vitric arts bears historical connotations which stretch far beyond glassmaking; the very foundation upon which classic versions of history is based is demolished by the revelations which erupt from the pages of the book."--BOOK JACKET.Title Summary field provided by Blackwell North America, Inc. All Rights Reserved

Ear studs, ear plugs or beads? Anna K. Hodgkinson 2021-07-31 This short volume discusses a group of glass objects kept in the British Museum that date to the Egyptian New Kingdom (1550–1069 BC) and are commonly referred to as 'ear plugs' or 'ear studs'. Ancient Egyptian ear studs from variety of materials appear in the archaeological record and are usually depicted as worn with a convex dome to the front. However, there is evidence to suggest that the glass objects discussed in this volume, and which are similar, but not equal, in shape to ear studs, were not designed as ear jewelry, but that they actually functioned as beads. The objects are flat-fronted and pierced latitudinally. The piercing, which is related to the manufacture of the objects on a metal rod,would have enabled the objects to be threaded and to be suspended vertically, either as parts of garments or as parts of bead chains.

Bodies of Maize, Eaters of Grain: Comparing material worlds, metaphor and the agency of art in the Preclassic Maya and Mycenaean early civilisations Marcus Jan Bajema 2017-09-30 This book offers a comparative study of the civilisations of the Late Preclassic lowland Maya and Mycenaean Greece. The approach used here seeks to combine traditional iconographic approaches with more recent models on metaphor and the social agency of things.

Babylonia under the Sealand and Kassite Dynasties Susanne Paulus 2020-09-21 Babylonia in the second half of the 2nd millennium BCE is one of the most understudied periods of Mesopotamian history. In the last few years, discoveries of new texts and archaeological materials from the Sealand Dynasty have emerged, which expand the possibilities to fill this gap in our knowledge of Mesopotamian history. At the same time, scholars have started to revive Kassite studies using new materials, methods, and questions. While those works are groundbreaking contributions to the field, many questions about the history and chronology, archaeology, economy, language of Babylonia during this period are still unsolved. This volume brings together eleven contributions by leading scholars in the Sealand and Kassite period, approaching those questions from an archaeological, ethnological, historical, linguistic, and economical point of view. The book opens with an introduction into the history and research on Babylonia under the Sealand Dynasty and the Kassites.

The World of Ancient Egypt: A Daily Life Encyclopedia [2 volumes] Peter Lacovara 2016-11-21 This absorbing reference covers everyday life in ancient Egypt, spanning a period of more than 5,000 years—from the Stone Age to the advent of Christianity. • Supports the national standards for world history curricula • Discusses the everyday lives of average people of all levels and classes • Includes entries on architecture, tomb painting, gods and goddesses, animal mummification, sculpture, and beer and wine • Offers topical sections organized thematically to promote more in-depth study of subjects

Science in the Study of Ancient Egypt Sonia Zakrzewski 2015-12-22 Science in the Study of Ancient Egypt takes an innovative and integrated approach to the use of scientific techniques and methodologies within the study of ancient Egypt. Accessibly demonstrating how to integrate scientific methodologies into Egyptology broadly, and in Egyptian archaeology in particular, this volume will help to maximise the amount of information that can be obtained within a study of ancient Egypt, be it in the field, museum, or laboratory. Using a range of case studies which exemplify best practice within Egyptian archaeological science, Science in the Study of Ancient Egypt presents both the scientific methods of analysis available and their potential applications to Egyptologists. Although Egyptology has mainly shown a marked lack of engagement with recent archaeological science, the authors illustrate the inclusive but varied nature of the scientific archaeology which is now being undertaken, demonstrating how new analytical techniques can develop greater understanding of Egyptian data.

Iron from Tutankhamun's Tomb Katja Broschat 2022-06-14 A comprehensive study of the iron objects found in Tutankhamun's tomb that include daggers, quivers, arrows, and an elaborately decorated bow case A century after Howard Carter and Lord Carnarvon's sensational discovery in 1922 of the virtually intact tomb of Tutankhamun in the Valley of the Kings, the boy-king and his treasures continue to fascinate people all over the world. Although nearly 5,400 objects accompanied the young pharaoh on his journey to the afterlife, many of them have not been investigated in detail. Iron from Tutankhamun's Tomb analyzes iron artifacts from the tomb in depth for the first time. This group consists of small iron chisels set into wooden handles, an Eye of Horus amulet, a miniature headrest, and the blade of a richly decorated golden dagger. The most important of these were placed in close proximity to the king's mummy, emphasizing the high value attributed to this rare material in late Bronze Age Egypt—a time when iron smelting was not yet known in the land of the Nile. Written by a research team of archaeologists, scientists, and conservators, this comprehensive study explores in fascinating detail the context and meaning of these artifacts, while establishing for the first time that Tutankhamun's iron came from meteorites. They complete their examination with the results of chemical analyses, offering in the process a rich overall understanding of iron and its significance in ancient Egypt.

Recycling and Reuse in the Roman Economy Chloë N. Duckworth 2020-09-10 The recycling and reuse of materials and objects were extensive in the past, but have rarely been embedded into models of the economy; even more rarely has any attempt been made to address the scale of these practices. Recent developments, including the use of large datasets, computational modelling, and high-resolution analytical chemistry are increasingly offering the means to reconstruct recycling and reuse, and even to approach the thorny issue of quantification. This volume is the first to bring together these new approaches, and the first to present a consideration of recycling and reuse in the Roman economy, taking into account a range of materials and using a variety of methodological approaches. It presents integrated, cross-referential evidence for the recycling and reuse of textiles, papyrus, statuary and building materials, amphorae, metals, and glass, and examines significant questions about organization, value, and the social meaning of recycling.

Clearly Inspired Karen S. Chambers 1999 For five thousand years, artisans have worked in glass to create forms that serve and delight. But only recently have artists turned their hands and minds to this traditionally utilitarian and decorative material. Clearly Inspired: Contemporary Glass and Its Origins contrasts the work of contemporary glass artists with examples of earlier glass that have inspired them to rediscover or reinvent forgotten techniques. Transforming an ancient craft into a contemporary art, they honor the past while making visual statements that are very much of our time.

The Oxford Companion to Archaeology Neil Asher Silberman 2012-11 'The Oxford Companion to Archaeology' is an up-to-date reference work on virtually every aspect of this fascinating field. Entries range from the broad overviews, to treatments of particular themes, to discussions of peoples, and societies.

Archaeology, History and Science Marcos Martinon-Torres 2016-09-16 Using a combination of historical, archaeological, and scientific data is not an uncommon research practice. Rarely found, however, is a more overt critical consideration of how these sources of information relate to each other, or explicit attempts at developing successful strategies for interdisciplinary work. The authors in this volume provide such critical perspectives, examining materials from a wide range of cultures and time periods to demonstrate the added value of combining in their research seemingly incompatible or even contradictory sources. Case studies include explorations of the symbolism of flint knives in ancient Egypt, the meaning of cuneiform glass texts, medieval metallurgical traditions, and urban archaeology at industrial sites. This volume is noteworthy, as it offers novel contributions to specific topics, as well as fundamental reflections on the problems and potentials of the interdisciplinary study of the human past.

