

Photography In Archaeology And Conservation

This publication contains the selected proceedings of a conference devoted to the history of aerial photography (Ghent, 2003).

"Authored by the Digital Photographic Documentation Task Force of the American Institute for Conservation of Historic and Artistic Works"--P. 11.

Describes the use and methods of photography in field archaeology, surveys, conservation and archaeological laboratories.

Analytical Archaeometry describes this interesting and challenging field of research - on the border between natural sciences (chemistry, spectroscopy, biology, geology) and humanities (archaeology, (art-)history, conservation sciences). It fills the gap between these two areas whilst focussing on the analytical aspects of this research field. The first part of the book studies the main analytical techniques used in this research field. The second part expands from the different types of materials usually encountered, and the final part is organised around a series of typical research questions. The book is not only focussed on archaeological materials, but is also accessible to a broader lay audience. Overall the book is clearly structured and gives insight into different approaches to the study of analytical providing extensive discussion on a wide range of techniques, materials, questions and applications. Due to the advances in analytical instrumentation and applications in this field, it is important to have all this information merged together. Academics as well as professionals in archaeology, art history, museum labs and conservation science will find this an invaluable reference source ensuring the reader is provided with the latest progress in this research field.

An International Conference Organized by the Getty Conservation Institute and the J. Paul Getty Museum, 6–12 May 1995

Pompeii in the Public Imagination from Its Rediscovery to Today

Photography in Archaeology and Conservation 1ed

New Insights into the Iron Age Archaeology of Edom, Southern Jordan

Aerial Photography and Archaeology 2003

Imaging the Ancient

Situated south of the Dead Sea, near the famous Nabataen capital of Petra, the Faynan region in Jordan contains the largest deposits of copper ore in the southern Levant. The Edom Lowlands Regional Archaeology Project (ELRAP) takes an anthropological-archaeology approach to the deep-time study of culture change in one of the Old World's most important locales for studying technological development. Using innovative digital tools for data recording, curation, analyses, and dissemination, the researchers focused on ancient mining and metallurgy as the subject of surveys and excavations related to the Iron Age (ca. 1200-500 BCE), when the first local, historical state-level societies appeared in this part of the eastern Mediterranean basin. This comprehensive and important volume challenges the current scholarly consensus concerning the emergence and historicity of the Iron Age polity of biblical Edom and some of its neighbors, such as ancient Israel. Excavations and radiometric dating establish a new chronology for Edom, adding almost 500 more years to the Iron Age, including key periods of biblical history when David, Solomon, and the Egyptian pharaoh Shoshenq I are alleged to have interacted with Edom. Included is a 7 gigabyte DVD with over 55,000 files of additional data and photographs from the project.

This book is designed to aid the photographer, archaeologist, and others interested in the basic techniques of archaeological photography. The author demonstrates how to set up photographs of archaeological artifacts for documentation and publication and presentation slides along with photographing excavation progress in the filed and sie plans. Beginning with the techniques explained here a photographer will be able to solve almost any problem that could come up at an excavation.

At certain times of the day - at sunrise, and sunset - the outlines of prehistoric fields, barrows and hill-forts in the British landscape may be thrown into relief. Such 'shadow sites', best seen from above, and captured by an airborne camera, are both examples of, and metaphors for, a particular way of seeing the landscape. At a time of rapid modernisation and urbanisation in mid-twentieth-century Britain, an archaeological vision of the British landscape reassured and enchanted a number of writers, artists, photographers, and film-makers. From John Piper, Eric Ravilious and Shell guide books, to photographs of bomb damage, aerial archaeology, and The Wizard of Oz, Kitty Hauser delves into evocative interpretations of the landscape and looks at the affinities between photography as a medium to capture traces of the past as well as their absence.

"Located at the crossroads of the northern and southern routes of the ancient Silk Road on the edge of the Taklamakan desert in western China, Dunhuang is one of the richest Buddhist sites in China with nearly 500 cave temples constructed between the fourth and the fourteenth century. The sculptures, murals, portable paintings, and manuscripts found in the caves represent every aspect of Buddhism, both doctrinally and artistically. From its earliest construction to the present, Dunhuang has been visualized in many ways by the architects, builders, and artists who made the caves to twentieth-century explorers and photographers, conservators, and contemporary artists. This book explores ways in which Dunhuang has been visualized from its creation to contemporary times. Essays by leading scholars from the U.S., Europe, and China cover a wide range of topics, from the architecture of cave temples to painting and sculptural programs, Buddhist ritual practices, expeditionary photography, conservation, and the contributions of Dunhuang to art history"--

Analytical Archaeometry

Life at Home in the Twenty-First Century

Archaeological Method and Theory

Identification and Preservation

32 Families Open Their Doors

The Handbook of Photography Studies

The latest research innovations and enhanced technologies have altered the discipline of materials science and engineering. As a direct result of these developments, new trends in Materials Science and Engineering (MSE) pedagogy have emerged that require attention. The Handbook of Research on Recent Developments in Materials Science and Corrosion Engineering Education brings together innovative and current advances in the curriculum design and course content of MSE education programs. Focusing on the application of instructional strategies, pedagogical frameworks, and career preparation techniques, this book is an essential reference source for academicians, engineering practitioners, researchers, and industry professionals interested in emerging and future trends in MSE training and education.

This book investigates what has constituted notions of "archaeological heritage" from colonial times to the present. It includes case studies of sites in South and Southeast Asia with a special focus on Angkor, Cambodia. The contributions, the subjects of which range from architectural and intellectual history to historic preservation and restoration, evaluate historical processes spanning two centuries which saw the imagination and production of "dead archaeological ruins" by often overlooking living local, social, and ritual forms of usage on site. Case studies from computational modelling in archaeology discuss a comparable paradigmatic change from a mere simulation of supposedly dead archaeological building material to an increasing appreciation and scientific incorporation of the knowledge of local stakeholders. This book seeks to bring these different approaches from the humanities and engineering sciences into a trans-disciplinary discussion.

This book provides a short, readable introduction to historical archaeology, which focuses on modern history in all its fascinating regional, cultural, and ethnic diversity. Accessibly covering key methods and concepts, including fundamental theories and principles, the history of the field, and basic definitions, Historical Archaeology also includes a practical look at career prospects for interested readers. Orser discusses central topics of archaeological research such as time and space, survey and excavation methods, and analytical techniques, encouraging readers to consider the possible meanings of artifacts. Drawing on the author's extensive experience as an historical archaeologist, the book's perspective ranges from the local to the global in order to demonstrate the real importance of this subject to our understanding of the world in which we live today. The third edition of this popular textbook has been significantly revised and expanded to reflect recent developments and discoveries in this exciting area of study. Each chapter includes updated case studies which demonstrate the research conducted by professional historical archaeologists. With its engaging approach to the subject, Historical Archaeology continues to be an ideal resource for readers who wish to be introduced to this rapidly expanding global field.

Using the right media, archaeologists can and must educate and excite the people who need their information. Larry Zimmerman's earnestly engaging guide to reporting archaeological findings argues that communication is one of archaeology's primary tasks.

Seeing, Studying, and Conserving the Caves

Remote Sensing in Archaeology

'Archaeologizing' Heritage?

History and Heritage

A Bibliographical Guide

Herculaneum and the House of the Bicentenary

This book provides practical information on the use of infrared (IR) spectroscopy for the analysis of materials found in cultural objects. Designed for scientists and students in the fields of archaeology, art conservation, microscopy, forensics, chemistry, and optics, the book discusses techniques for examining the microscopic amounts of complex, aged components in objects such as paintings, sculptures, and archaeological fragments. Chapters include the history of infrared spectroscopy, the basic parameters of infrared absorption theory, IR instrumentation, analysis methods, sample collection and preparation, and spectra interpretation. The authors cite several case studies, such as examinations of Chumash Indian paints and the Dead Sea Scrolls. The Institute's Tools for Conservation series provides practical scientific procedures and methodologies for the practice of conservation. The series is specifically directed to conservation scientists, conservators, and technical experts in related fields.

Clearly laid out and fully illustrated, this is the only comprehensive book on the subject at an introductory level. Perfect as a practical reference book for professional and students who work with excavated materials, and as an introduction for those training as archaeological conservators.

The Handbook of Photography Studies is a state-of-the-art overview of the field of photography studies, examining its thematic interests, dynamic research methodologies and multiple scholarly directions. It is a source of well-informed, analytical and reflective discussions of all the main subjects that photography scholars have been concerned with as well as a rigorous study of the field's persistent expansion at a time when digital technology regularly boosts our exposure to new and historical photographs alike. Split into five core parts, the Handbook analyzes the field's histories, theories and research strategies; discusses photography in academic disciplinary and interdisciplinary contexts; draws out the main concerns of photographic scholarship; interrogates photography's cultural and geopolitical influences; and examines photography's multiple uses and continued changing faces. Each part begins with an introductory text, giving historical contextualization and scholarly orientation. Featuring the work of international experts, and offering diverse examples, insights and discussions of the field's rich historiography, the Handbook provides critical guidance to the most recent research in photography studies. This pioneering and comprehensive volume presents a systematic synopsis of the subject that will be an invaluable resource for photography researchers and students from all disciplinary backgrounds in the arts, humanities and social sciences.

A resource for the photographic conservator, conservation scientist, curator, as well as professional collector, this volume synthesizes both the masses of research that has been completed to date and the international standards that have been established on the subject.

Elements of Archaeological Conservation

A Guide to the Preventive Conservation of Photograph Collections

The NAS Guide to Principles and Practice

Stone Conservation

An Encyclopedia

Historical Archaeology

"Edited anthology of 73 previously published texts on the theory and practice of the conservation and management of archaeological sites"--Provided by publisher.

Photography in Archaeology and ConservationCambridge University Press

Winner of the 2014 John Collier Jr. Award Winner of the Jo Anne Stolaroff Cotson Prize Life at Home in the Twenty-First Century cross-cuts the ranks of important books on social history, consumerism, contemporary culture, the meaning of material culture, domestic architecture, and household ethnoarchaeology. It is a distant cousin of Material World and Hungry Planet in content and style, but represents a blend of rigorous science and photography that these books can claim. Using archaeological approaches to human material culture, this volume offers unprecedented access to the middle-class American home through the kaleidoscopic lens of no-limits photography and many kinds of never-before acquired data about how people actually live their lives at home. Based on a rigorous, nine-year project at UCLA, this book has appeal not only to scientists but also to all people who share intense curiosity about what goes on at home in their neighborhoods. Many who read the book will see their own lives mirrored in these pages and can reflect on how other people cope with their mountains of possessions and other daily challenges. Readers abroad will be equally fascinated by the contrasts between their own kinds of materialism and the typical American experience. The book will interest a range of designers, builders, and architects as well as scholars and students who research various facets of U.S. and global consumerism, cultural history, and economic history.

This guidance covers the practical application of photogrammetry in recording cultural heritage, with particular reference to structure from motion (SfM) techniques. Our audience for this document includes survey contractors, archaeological contractors, voluntary organisations and specialists. Photogrammetric image acquisition and processing, until recently requiring a considerable investment in hardware and software, are now possible at a fraction of their former cost. This has led to a huge increase in the use of photogrammetry in cultural heritage recording. The skills required to apply the techniques successfully and accurately are discussed, and background information on how various parts of the process work is provided so that better results can be achieved through better understanding. Photogrammetry is characterised by its versatility, and is applicable over a wide range of scales, from landscapes to small objects. The particular requirements needed at these different scales are outlined, and both imaging techniques and useful ancillary equipment are described. The different types of outputs are discussed, including their suitability for further interrogation using a range of established analytical techniques and the presentation options available. A range of case studies illustrates the application of photogrammetry across a variety of projects that broadly reflect the areas discussed in the text. This document is one of a number of Historic England technical advice documents on how to survey historic places.

Seventh Edition

Shadow Sites

Infrared Spectroscopy in Conservation Science

Underwater Archaeology

Visualizing Dunhuang

The Conservation of Archaeological Sites in the Mediterranean Region

The relationship between archaeology and conservation has long been complex and, at times, challenging. Archaeologists are often seen as interested principally in excavation and research, while conservators are concerned mainly with stabilization and the prevention of deterioration. Yet it is often initial conservation in the field that determines the long-term survival and intelligibility of both moveable artifacts and fixed architectural features. This user-friendly guide to conservation practices on archaeological excavations covers both structures and artifacts, starting from the moment when they are uncovered. Individual chapters discuss excavation and conservation, environmental and soil issues, deterioration, identification and condition assessment, detachment and removal, initial cleaning, coverings and shelters, packing, and documentation. There are also eight appendices. Geared primarily for professionals engaged in the physical practice of excavation, this book will also interest archaeologists, archaeological conservators, site managers, conservation scientists, museum curators, and students of archaeology and conservation.

This volume provides a striking account of the life, destruction, rediscovery, and cultural significance of the ancient Roman town of Herculaneum and one of its grandest residences—the House of the Bicentenary. This volume vividly recounts, for general readers, the Roman town of Herculaneum, destroyed by the eruption of Mount Vesuvius in 79 CE and uniquely preserved for nearly two thousand years. Initial chapters offer an engaging historical overview of the town during antiquity, including the riveting story of its rediscovery in the eighteenth century, excavation in the nineteenth and twentieth centuries, and broad cultural significance in modern times. Subsequent chapters offer an interpretive tour of the ancient town, then focus on one of Herculaneum's grandest and most beautifully decorated private residences, known as the House of the Bicentenary. Located on the town's main street, it has a range of features—original rooms, magnificent wall paintings and mosaics, and remarkable documents—that illuminate daily life in the ancient world. Final chapters bring the story up to date, including recent discoveries about the site and its famous papyrus manuscripts, as well as ongoing conservation initiatives.

This fourth edition constitutes the most extensive reshaping of the text to date. In a lucid and accessible style Kevin Greene explains the discovery and excavation of sites, outlines major dating methods, gives clear explanations of scientific techniques, and examines current theories and controversies. New features include: a completely new user-friendly text design with initial chapter overviews and final conclusions, key references for each chapter section, an annotated guide to further reading, a glossary, refreshed illustrations, case studies and examples, bibliography and full index a new companion website built for this edition providing hyperlinks from contents list to individual chapter summaries which in turn link to key websites and other material an important new chapter on current theory emphasizing the richness of sources of analogy or interpretation available today. This new edition provides students with a sound introduction to the field of archaeology and guides them towards further study.

Archaeology has been transformed by technology that allows one to 'see' below the surface of the earth. This work illustrates the uses of advanced technology in archaeological investigation. It deals with hand-held instruments that probe the subsurface of the earth to unveil layering and associated sites; underwater exploration and photography of submerged sites and artifacts; and the utilization of imaging from aircraft and spacecraft to reveal the regional setting of archaeological sites and to assist in cultural resource management.

Digging Up Jericho

Photography in Archaeology and Conservation

Past, Present and Future

A Century of Information ; Papers Presented During the Conference Held at the Ghent University, December 10th - 12th, 2003

Presenting the Past

Handbook of Research on Recent Developments in Materials Science and Corrosion Engineering Education

Heritage, Photography, and the Affective Past critically examines the production, consumption, and interpretation of photography across various heritage domains, from global image archives to the domestic arena of the family album. Through original ethnographic and archival research, the book sheds new light on the role photography has played in the emergence, expansion, and articulation of heritage in diverse sociocultural contexts. Drawing on wide-ranging experience across the heritage sector and two international case studies – Angkor in Cambodia and the town of Famagusta, Cyprus – the book makes a major contribution to our understanding of the role photography has played and continues to play in shaping experiences and conceptualisations of heritage. One of the core aims of the book is to problematise and potentially redirect the varied usages of photography within current practice, usages which remain woefully undertheorised, despite their often-central role in shaping heritage. Ultimately, by focusing attention on a hitherto underexamined aspect of the heritage phenomenon, namely its manifold interconnections with photography, this book provides fresh insight to the making and remaking of the past in the present, and the alternative heritages that might come into being around emergent photographic forms and approaches. Heritage, Photography, and the Affective Past uses photography as a method of enquiry as well as a tool of documentation. It will be of interest to scholars and students of heritage, photography, anthropology, museology, public archaeology, and tourism. The book will also be a valuable resource for heritage practitioners working around the globe.

Archaeology: Basic Field Methods introduces archaeological field methods and provides a basis for understanding the nature of archaeological evidence, the recognition of that evidence in the field, and the techniques involved in the search for and recovery of archaeological evidence in a variety of settings. Outstanding Features: Provides a basic introduction to sediments, soils, stratigraphy, and geomorphology. Discusses ethical concerns and codes of professional conduct. Discusses cultural resource management (CRM) and its impact on the practice of field archaeology. Contains exercises and discussion questions at the end of each chapter.

Describes the major digital printing processes used by photographers and artists over the past forty years, explaining and illustrating materials and their deterioration, methods of identification, and options for acquiring and preserving digital prints. --from publisher description

Field Methods in Archaeology has been the leading source for instructors and students in archaeology courses and field schools for 60 years since it was first authored in 1949 by the legendary Robert Heizer. Left Coast has arranged to put the most recent Seventh Edition back into print after a brief hiatus, making this classic textbook again available to the next generation of archaeology students. This comprehensive guide provides an authoritative overview of the variety of methods used in field archaeology, from research design, to survey and excavation strategies, to conservation of artifacts and record-keeping. Authored by three leading archaeologists, with specialized contributions by several other experts, this volume deals with current issues such as cultural resource management, relations with indigenous peoples, and database management as well as standard methods of archaeological data collection and analysis.

The Digital Print

Photography, Archaeology, and the British Landscape 1927-1955

The Photographs of Frederick H. Evans

Transcultural Entanglements between Local Social Practices and Global Virtual Realities

Heritage, Photography, and the Affective Past

Guidance for Good Practice

Underwater Archaeology: The NAS Guide to Principles and Practice provides a comprehensive summary of the archaeological process as applied in an underwater context. Long awaited second edition of what is popularly referred to as the NAS Handbook Provides a practical guide to underwater archaeology: how to get involved, basic principles, essential techniques, project planning and execution, publishing and presenting Fully illustrated with over 100 drawings and new colour graphics New chapters on geophysics, historical research, photography and video, monitoring and maintenance and conservation

First published in 1996, this volume has been substantially updated to reflect new research in the conservation of stone monuments, sculpture, and archaeological sites.

One of the greatest threats to these responsible for ancient cultural sites is that of maintaining the delicate balance between conservation and making them available to increasing numbers of visitors. Tourism, unchecked development, and changing environmental conditions threaten significant historical sites throughout the world. These issues are among the topics dealt with in this book, which reports on the proceedings of an international conference on the conservation of classical sites in the Mediterranean region, organized by the Getty Conservation Institute and the J. Paul Getty Museum. The book includes chapters discussing management issues at three sites: Piazza Armerina, Sicily; Knossos, Crete; and Ephesus, Turkey. While visiting these sites, conference participants examined how issues raised at these locales can illuminate the challenges of management and conservation faced by complex heritage sites the world over. Additional chapters discuss such topics as the management of cultural sites, the reconstruction of ancient buildings, and ways of presenting and interpreting sites for today's visitors.

A collection of essays exploring the different ways in which the ruined city of Pompeii has been a major source of inspiration to Western imaginations. Creative and popular, as well as scholarly approaches are covered, including an interview with the novelist Robert Harris, and the volume is fully illustrated, with several images in full colour.

Basic Field Methods

Early Views of Ancient Mediterranean Sites

Selected Topics

The AIC Guide to Digital Photography and Conservation Documentation

An Overview of Current Research

21 papers present a holistic perspective on the research and public value of the site of Jericho – an iconic site with a long and impressive history stretching from the Epipalaeolithic to the present day. Covering all aspects of archaeological work from past to present and beyond, they re-evaluate and assess the legacy of this important site.

*This Encyclopedia brings together the most recent scientific information on a collection of subjects that are too often – and inconveniently – treated in separate publications. It provides a survey of archaeological method and theory, as well as the application of physical and biological sciences in archaeological research. Every aspect of archaeological work is represented, from the discovery process to the ultimate disposition of materials. Thus the reader will find entries on subject matter covering: * disciplinary theory * legislation affecting the work of archaeologists * pre-excavation surveying * excavation methodology * on-site conservation techniques * post-excavation analysis The rapid evolution of analytical technology is often superficially treated or not covered at all in textbooks or other commonly available sources. Here, the latest refinements in techniques such as radiometric dating, stable isotopic analysis, and the PCR technique of DNA analysis are presented clearly and authoritatively. The discussion of these techniques is amplified by including results of the work of professionals conducting interdisciplinary research and by covering the methodologi enhancements provided by the physical and natural sciences. Cultural property legislation, regardless of its country of origin, has affected how archaeologists conduct their work. This encyclopedia covers all major U.S. legislation developed for the protection of cultural property, including the recent Native American Graves Protection and Repatriation Act, and offers a substantial article on worldwide legislation concerning the reburial of human remains and its effects on the present and future practice of archaeology. Without some sort of conservation program at the point of excavation, valuable materials may be inadvertently contaminated or destroyed. Many simple and low-cost techniques to promote both sample integrity and long-term preservation for major classes of materials are described in this volume. Traditional treatments of method and theory usually focus on prehistoric periods and are limited in their geographic range. This volume includes discussions based on various historical periods on different continents, as reflected in entries such as Historical Archaeology, Industrial Archaeology, Medieval Archaeology, and Classical Archaeology.*

A collection of architectural and landscape photographs taken by British photographer Frederick H. Evans, and features an essay that describes the life and accomplishments of Evans.

Biographical essays explore the careers of two major early photographers, Joseph-Philibert Girault de Prangey and William James Stillman. In addition, portfolios with works by Maxime Du Camp, John Beasley Greene, Francis Frith, Robert Macpherson, Adolphe Braun and others testify to the strength and consistency of other early photographers who captured the antique worlds around the Mediterranean."--BOOK JACKET.

Archaeology

Conservation Practices on Archaeological Excavations

An Introduction

British and Irish Archaeology

Field Methods in Archaeology

A Practical Guide to Archaeological Photography