

## Cod And Herring The Archaeology And History Of Medieval Sea Fishing

Drawing on a number of case studies from around the world, this publication considers how the local knowledge and practices of indigenous fishing communities are being used in collaboration with scientists, government managers and non-governmental organisations to establish effective frameworks for sustainable fisheries science and management. It seeks to contribute towards achieving the goal of establishing international responsibility for the ethical collection, preservation, dissemination and application of fishers' knowledge.

The German Ocean examines archaeological and historical evidence for the development of economies and societies around the North Sea from the beginning of the 12th century until the end of the 16th century. It draws in material from Scandinavia to Normandy and from Scotland to Kent. While largely concerned with the North Sea littoral, when necessary it takes account of adjacent areas such as the Baltic or inland hinterlands. The North Sea is often perceived as a great divide, divorcing the British Isles from continental Europe. In cultural terms, however, it has always acted more as a lake, supporting communities around its fringes which have frequently had much in common. This is especially true of the medieval period when trade links, fostered in the two centuries prior to 1100, expanded in the 12th and 13th centuries to ensure the development of maritime societies whose material culture was often more remarkable for its similarity across distance than its diversity. Geography, access to raw materials and political expediency could nevertheless combine to provide distinctive regional variations. Economies developed more rapidly in some areas than others; local solutions to problems produced urban and rural environments of different aspect; the growth, and sometimes decline, of towns and ports was often dictated by local as much as wider factors. This book explores evidence for this 'diverse commonality' through the historic environment of the North Sea region with the intention that it will be of interest not only to historians and archaeologists but to those who live and work within the historic environment. This environment is a common European resource with much to contribute to a sustainable future - the book will seek to provide links between a European past and that European future.

"Before prehistoric humans began to cultivate grain, they had three main methods of acquiring food: hunting, gathering, and fishing. Hunting and gathering are no longer economically important, having been replaced by their domesticated equivalents, ranching and farming. But fishing, humanity's last major source of food from the wild, has grown into a worldwide industry on which we have never been more dependent. In this history of fishing--not as sport but as sustenance--archaeologist and writer Brian Fagan argues that fishing rivaled agriculture in its importance to civilization. [He] tours archaeological sites worldwide to show ... how fishing fed the development of cities, empires, and ultimately the modern world"--Jacket flaps.

An accessible introduction to the ecology and formation processes of peatlands, and to the different archaeological and palaeoenvironmental techniques that have been developed and adapted for the study of these environments.

The German Ocean

The Zooarchaeology of Ritual, Religion, Status and Identity

The Archaeology of North Pacific Fisheries

Monastic Archaeology

Monetary and Social Economies in the Viking Age

The Oxford Handbook of Zooarchaeology

The late medieval German trade with the North Atlantic islands, in the margins of the Hanseatic trade network, has received only limited scholarly attention. Merchants from predominantly Hamburg and Bremen established direct trade relations with these islands in the late 15th century, and managed to control the international trade with Iceland, the Faroes and Shetland for much of the 16th century. However, the Hanseatic commercial infrastructure was absent in the North Atlantic, which forced these merchants to develop new trade strategies. Besides a critical re-evaluation of the economic and political conditions, this volume offers a comprehensive study of the organisation of the trade and the methods used to establish and maintain networks between islanders and German merchants. Moreover, it analyses the role and socio-economic position of the communities of merchants with the North Atlantic in their home towns. The book shows that the North Atlantic trade was anything but insignificant. It was a dynamic and integral part of the trade network of the northern German cities, and its study is highly relevant for the economic history of Northern Europe.

A KID ' S GUIDE TO THE OCEAN "Can you imagine a world without fish? It's not as crazy as it sounds. But if we keep doing things the way we've been doing things, fish could become extinct within fifty years. So let's change the way we do things!" World Without Fish is the uniquely illustrated narrative nonfiction account—for kids—of what is happening to the world ' s oceans and what they can do about it. Written by Mark Kurlansky, author of Cod, Salt, The Big Oyster, and many other books, World Without Fish has been praised as “ urgent ” (Publishers Weekly) and “ a wonderfully fast-paced and engaging primer on the key questions surrounding fish and the sea ” (Paul Greenberg, author of Four Fish). It has also been included in the New York State Expeditionary Learning English Language Arts Curriculum. Written by a master storyteller, World Without Fish connects all the dots—biology, economics, evolution, politics, climate, history, culture, food, and nutrition—in a way that kids can really understand. It describes how the fish we most commonly eat, including tuna, salmon, cod, swordfish—even anchovies— could disappear within fifty years, and the domino effect it would have: the oceans teeming with jellyfish and turning pinkish orange from algal blooms, the seabirds disappearing, then reptiles, then mammals. It describes the back-and-forth dynamic of fishermen, who are the original environmentalists, and scientists, who not that long ago considered fish an endless resource. It explains why fish farming is not the answer—and why sustainable fishing is, and how to help return the oceans to their natural ecological balance. Interwoven with the book is a twelve-page graphic novel. Each beautifully illustrated chapter opener links to the next to form a larger fictional story that perfectly complements the text.

For thousands of years, fisheries were crucial to the sustenance of the First Peoples of the Pacific Coast. Yet human impact has left us with a woefully incomplete understanding of their histories prior to the industrial era. Covering Alaska, British

Columbia, and Puget Sound, *The Archaeology of North Pacific Fisheries* illustrates how the archaeological record reveals new information about ancient ways of life and the histories of key species. Individual chapters cover salmon, as well as a number of lesser-known species abundant in archaeological sites, including pacific cod, herring, rockfish, eulachon, and hake. In turn, this ecological history informs suggestions for sustainable fishing in today ' s rapidly changing environment.

Animals have played a fundamental role in shaping human history, and the study of their remains from archaeological sites - zooarchaeology - has gradually been emerging as a powerful discipline and crucible for forging an understanding of our past. *The Oxford Handbook of Zooarchaeology* offers a cutting-edge compendium of zooarchaeology the world over that transcends environmental, economic, and social approaches, seeking instead to provide a holistic view of the roles played by animals in past human cultures. Incisive chapters written by leading scholars in the field incorporate case studies from across five continents, from Iceland to New Zealand and from Japan to Egypt and Ecuador, providing a sense of the dynamism of the discipline, the many approaches and methods adopted by different schools and traditions, and an idea of the huge range of interactions that have occurred between people and animals throughout the world and its history. Adaptations of human-animal relationships in environments as varied as the Arctic, temperate forests, deserts, the tropics, and the sea are discussed, while studies of hunter-gatherers, farmers, herders, fishermen, and even traders and urban dwellers highlight the importance that animals have had in all forms of human societies. With an introduction that clearly contextualizes the current practice of zooarchaeology in relation to both its history and the challenges and opportunities that can be expected for the future, and a methodological glossary illuminating the way in which zooarchaeologists approach the study of their material, this Handbook will be invaluable not only for specialists in the field, but for anybody who has an interest in our past and the role that animals have played in forging it.

Growing Up in the Ice Age

An Interdisciplinary Approach to Human Ecodynamics

The Indian Neck Ossuary

Proceedings of the Thirteenth International Symposium on Boat and Ship Archaeology, Amsterdam 2012

Ships and maritime landscapes

An Introduction to Themes, Sites, Methods and Skills

Medieval Europe Around the North Sea

The Middle Ages are all around us in Britain. The Tower of London and the castles of Scotland and Wales are mainstays of cultural tourism and an inspiring cross-section of later medieval finds can now be seen on display in museums across England, Scotland, and Wales. Medieval institutions from Parliament and monarchy to universities are familiar to us and we come into contact with the later Middle Ages every day when we drive through a village or town, look up at the castle on the hill, visit a local church or wonder about the earthworks in the fields we see from the window of a train. *The Oxford Handbook of Later Medieval Archaeology in Britain* provides an overview of the archaeology of the later Middle Ages

Britain between AD 1066 and 1550. 61 entries, divided into 10 thematic sections, cover topics ranging from later medieval objects, human remains, archaeological science, standing buildings, and sites such as castles and monasteries, to the preserved relict landscapes which still survive. This is a rich and exciting period of the past and most of what we have known about the material culture of our medieval past has been discovered in the past two generations. This volume provides comprehensive coverage of the latest research and describes the major projects and concepts that are changing our understanding of our medieval heritage.

**NEW YORK TIMES BESTSELLER** • In this explosive thriller, one of the most incredible and frightening discoveries mankind has ever faced is about to surface. On an oil platform in the middle of the North Atlantic, a terrifying series of illnesses is spreading through the crew. When expert naval doctor Peter Crane is flown in, he finds his real destination not the platform itself but Deep Storm: a top secret aquatic science facility, two miles below on the ocean floor. And as Peter soon learns, the covert operation he finds there is concealing something far more sinister than a medical mystery—something more deadly.

Animal bones are one of the most abundant types of evidence found in archaeological sites dating from pre-historic times to the Middle Ages, and they can reveal a startling amount about the economy and way of life of people in the past. This is a fascinating introduction for anyone seeking to understand how these bones can shed light on our knowledge of the past, as well as the complex relationship between human and animals. Written by one of the most respected experts in this field, and published for the first time in paperback, this book will be essential reading for archaeologists, or indeed anyone interested in the recreation of long lost worlds from the most insignificant-seeming fragments of animal bones.

This volume celebrates the 50th anniversary of the Society for Medieval Archaeology (established in 1957), presenting reflections on the history, development and future prospects of the discipline. The papers are drawn from a series of conferences and workshops that took place in 2007-08, in addition to a number of contributions that were commissioned especially for the volume. They range from personal commentaries on the history of the Society and the growth of the discipline (see papers by David Wilson and Rosemary Cramp), to historiographical, regional and thematic overviews of major trends in the evolution and current practice of medieval archaeology. All the publications are fully refereed with the aim of providing at the highest academic level reports on sites of national and international importance, and of encouraging the wider public. The series' objectives are to cover the broadest chronological and geographical range and to assemble a series of volumes which reflect the changing intellectual and technical scope of the discipline.

The Archaeology Coursebook

Archaeological Method and Theory

German trade with Iceland, Shetland and the Faroe Islands in the late 15th and 16th Century

Beyond the Catch

Neolithic Fisheries

Reflections: 50 Years of Medieval Archaeology, 1957-2007: No. 30

Fishery Ecosystem Dynamics

*The study of monasteries has come a long way since late the late 19th century. The emphasis has shifted away from reconstructing the layouts of monastic buildings to a better understanding of the wider monastic environment. The papers in this volume, partly based on a conference held in Oxford in 1994, are written by some of today's foremost scholars and reflect the diversity of research now being carried out.*

*Silver, Butter, Cloth advances current debates about the nature and complexity of Viking economic systems. It explores how silver and other commodities were used in monetary and social economies across the Scandinavian world of the Viking Age (c. 800-1100 AD) before and alongside the wide scale introduction of coinage. Taking a multi-disciplinary approach that unites archaeological, numismatic, and metallurgical analyses, Kershaw and Williams examine the uses and sources of silver in both monetary and social transactions, addressing topics such as silver fragmentation, hoarding, and coin production and re-use. Uniquely, it also goes beyond silver, giving the first detailed consideration of the monetary role of butter, cloth, and gold in the Viking economy. Indeed, it is instrumental in developing methodologies to identify such commodity monies in the archaeological record. The use of silver and other commodities within Viking economies is a dynamic field of study, fuelled by important recent discoveries across the Viking world. The 14 contributions to this book, by a truly international group of scholars, draw on newly available archaeological data from eastern Europe, Scandinavia, the North Atlantic, and the British Isles and Ireland, to present the latest original research. Together, they deepen understanding of Viking monetary and social economies and advance new definitions of 'economy', 'currency', and 'value' in the ninth to eleventh centuries.*

*This is an introductory text for students interested in identification and analysis of animal remains from archaeological sites. The emphasis is on animals whose remains inform us about the relationship between humans and their natural and social environments, especially site formation processes, subsistence strategies, the processes of domestication, and paleoenvironments. Examining examples*

*from all over the world, from the Pleistocene period up to the present, this volume is organized in a way that is parallel to faunal study, beginning with background information, bias in a faunal assemblage, and basic zooarchaeological methods. This revised edition reflects developments in zooarchaeology during the past decade. It includes sections on enamel ultrastructure and incremental analysis, stable isotopes and trace elements, ancient genetics and enzymes, environmental reconstruction, people as agents of environmental change, applications of zooarchaeology in animal conservation and heritage management, and a discussion of issues pertaining to the curation of archaeofaunal materials.*

*It is no exaggeration to suggest that the domestication of animals was perhaps one of the most important developments in human history. It is a phenomenon that has transformed human life over the last 15,000 years, with the term 'domestic animal' being a familiar one to every person on the planet.*

*Zooarchaeological Perspectives*

*Archaeology as Deep History*

*Monastic Archaeology, Identities, Beliefs*

*50 Years of Medieval Archaeology, 1957-2007*

*Silver, Butter, Cloth*

*Deep Storm*

*New Archaeozoological Approaches*

**This fully updated and revised edition of the best-selling title The Archaeology Coursebook is a guide for students studying archaeology for the first time. Including new methods and key studies in this fourth edition, it provides pre-university students and teachers, as well as undergraduates and enthusiasts, with the skills and technical concepts necessary to grasp the subject. The Archaeology Coursebook: introduces the most commonly examined archaeological methods, concepts and themes, and provides the necessary skills to understand them explains how to interpret the material students may meet in examinations supports study with key studies, key sites, key terms, tasks and skills development illustrates concepts and commentary with over 400 photos and drawings of excavation sites, methodology and processes, tools and equipment provides an overview of human evolution and social development with a particular focus upon European prehistory. Reflecting changes in archaeological practice and with new key studies, methods, examples, boxes, photographs and diagrams, this is definitely a book no archaeology student should be without.**

**Wars have been fought over it, revolutions have been spurred by it, national diets have been based on**

**it, economies have depended on it, and the settlement of North America was driven by it. Cod, it turns out, is the reason Europeans set sail across the Atlantic, and it is the only reason they could. What did the Vikings eat in icy Greenland and on the five expeditions to America recorded in the Icelandic sagas? Cod -- frozen and dried in the frosty air, then broken into pieces and eaten like hardtack. What was the staple of the medieval diet? Cod again, sold salted by the Basques, an enigmatic people with a mysterious, unlimited supply of cod. Cod is a charming tour of history with all its economic forces laid bare and a fish story embellished with great gastronomic detail. It is also a tragic tale of environmental failure, of depleted fishing stocks where once the cod's numbers were legendary. In this deceptively whimsical biography of a fish, Mark Kurlansky brings a thousand years of human civilization into captivating focus.**

**This book is the first in a series of volumes which form the published proceedings of the 9th meeting of the International Council of Archaeozoology (ICAZ), held in Durham in 2002. The 35 papers present a series of case studies from around the world. They stretch beyond the standard zooarchaeological topics of economy and ecology, and consider how zooarchaeological research can contribute to our understanding of human behaviour and social systems. The volume is divided into two parts. Part 1, Beyond Calories, focuses on the zooarchaeology of ritual and religion. Contributors discuss ways to approach questions of ritual and religion through the faunal record, and consider how material culture depicting and/or associated with animals can provides clues about ideology, religious practices and the role of animals within spiritual systems. Part 2, Equations for Inequality, looks at questions of identity, status and other forms of social differentiation in former human societies. Contributors discuss how differences in food consumption, nutrition, and food procurement strategies can be related to various forms of social differentiation among individuals and groups.**

**This fully updated and revised edition of the best-selling title The Archaeology Coursebook is a guide for students studying archaeology for the first time. Including new methods and case studies in this third edition, it provides pre-university students and teachers, as well as undergraduates and enthusiasts, with the skills and technical concepts necessary to grasp the subject. The Archaeology Coursebook: introduces the most commonly examined archaeological methods, concepts, and themes, and provides the necessary skills to understand them explains how to interpret the material students may meet in examinations and how to succeed with different types of assignments and exam questions supports study with case studies, key sites, key terms, tasks and skills development illustrates concepts and commentary with over 300 photos and drawings of excavation sites, methodology and**

**processes, tools and equipment links from its own website at [www.routledge.com/textbooks/9780415462860](http://www.routledge.com/textbooks/9780415462860) to other key websites in archaeology at the right level contains new material on "Issues in Modern Archaeology", "Sites and People in the Landscape" and "People and Society in the Past", new case studies, methods, examples, boxes, photographs and diagrams; as well as updates on examination changes for pre-university students. This is definitely a book no archaeology student should be without.**

**Perspectives on Oceans Past**

**Maritime Prehistory of Northeast Asia**

**A Practical Guide to Ecology, Methodology, and Taxonomy**

**How the Sea Fed Civilization**

**The Archaeology of Medieval Europe 1**

**Recovery to Archive**

**Osteoarchaeology of Fish Remains in the Baltic Sea Region**

*Encompassing ancient mythology, medieval religion, boatbuilding, commerce, and cutting-edge climate science, this text shows the intricate tapestry of history in all its fascinating, astonishing complexity.*

*A thorough understanding of planktonic organisms is the first step towards a real appreciation of the diversity, biology, and ecological importance of marine life. A detailed knowledge of their distribution and community composition is particularly important since these organisms are often very delicate and sensitive to change, and can be used as early indicators of environmental change. Natural and man-induced modification of the environment can affect both the distribution and composition of plankton, with important ecological and economic impacts. Marine Plankton provides a practical guide to plankton biology with a large geographic coverage spanning the North Sea to the north-eastern Atlantic coast of the USA and Canada. The book is divided into three sections: an overview of plankton ecology, an assessment of methodology in plankton research covering sampling, preservation, and counting of samples, and a taxonomic guide richly illustrated with detailed line drawings to aid identification. This is an essential reference text suitable for senior undergraduate and graduate students taking courses in marine ecology (particularly useful for fieldwork) as well as for professional marine biologists. It will also be of relevance and use to environmental scientists, conservation biologists, marine resource managers, environmental consultants, and other specialised practitioners. Quests for cod, herring and other sea fish had profound impacts on medieval Europe. This interdisciplinary book combines history, archaeology and zooarchaeology to discover the chronology, causes and consequences of these fisheries. It crosscuts traditional temporal and geographical boundaries, ranging from the Migration Period through the Middle Ages into early modern times, and from Iceland to Estonia, Arctic Norway to Belgium. It addresses evidence for*

**human impacts on aquatic ecosystems in some instances and for a negligible medieval footprint on superabundant marine species in others (in contrast with industrial fisheries of the 19th-21st centuries). The book explores both incremental and punctuated changes in marine fishing, providing a unique perspective on the rhythm of Europe's environmental, demographic, political and social history. The 20 chapters - by experts in their respective fields - cover a range of regions and methodological approaches, but come together to tell a coherent story of long-term change. Regional differences are clear, yet communities of the North Atlantic Ocean and the Baltic, North and Irish Seas also followed trajectories with many resonances. Ultimately they were linked by a pan-European trade network that turned preserved fish into wine, grain and cloth. At the close of the Middle Ages this nascent global network crossed the Atlantic, but its earlier implications were no less pivotal for those who harvested the sea or profited from its abundance. Forges innovative connections between monastic archaeology and heritage studies, revealing new perspectives on sacred heritage, identity, medieval healing, magic and memory. This title is available as Open Access.**

**Fishers' Knowledge in Fisheries Science and Management**

**Fossil and Archaeological Evidence of the Lived Lives of Plio-Pleistocene Children**

**Northwest Coast**

**Fishing**

**The Oxford Handbook of Later Medieval Archaeology in Britain**

**Feasting, Fasting, and the Discovery of the New World**

**The Archaeology and History of Medieval Sea Fishing**

**Marine environmental history analyses the changing relationships between human societies and marine natural resources over time. This is the first book which deals in a systematic way with the theoretical backgrounds of this discipline. Major theories and methods are introduced by leading scholars of the field. The book seeks to encapsulate some of the major novelties of this fascinating new discipline and its contribution to the management, conservation and restoration of marine and coastal ecosystems as well as the cultural heritages of coastal communities in different parts of the world.**

**"Offers new insight into the mechanisms involved in food provisioning for complex societies. Combining zooarchaeological and historical data from global case studies to analyze patterns in centralization and bureaucratic control, asymmetrical access and inequalities, and production-distribution-consumption dynamics of urban food provisioning and animal management"--**

**The two volumes of The Archaeology of Medieval Europe will together comprise the first complete account of medieval archaeology across Europe. Archaeologists from academic institutions in fifteen countries are collaborating to produce these two books of sixteen thematic chapters each. In addition, every chapter will feature a number of 'box-texts', by**

**specialist contributors, highlighting sites or themes of particular importance. The books will be comprehensively illustrated throughout, in both colour and b/w, including line drawings and specially commissioned maps. This ground-breaking set, which is divided chronologically into two (Vol. 1 extending from the Eighth to Twelfth Centuries AD, and Vol. 2 from the Twelfth to Sixteenth Centuries - to appear 2008), will enable readers to track the development of different cultures, and of regional characteristics, throughout the full extent of medieval Catholic Europe. In addition to revealing shared contexts and technological developments, the complete work will also provide the opportunity for demonstrating the differences that were inevitably present across the Continent - from Iceland to Italy, and from Portugal to Finland - and to study why such differences existed.**

**Val Dufeu here reconstructs settlement patterns of fishing communities in Viking Age Iceland and proposes socio-economic and environmental models relevant to any study of the Vikings or the North Atlantic. She integrates written sources, geoarchaeological data, and zooarchaeological data to examine how fishing propelled political change in the North Atlantic. The evolution of survival fishing to internal fish markets to overseas fish trade mirrors wider social changes in the Vikings' world.**

**Marine Ecosystems and Climate Variation**

**Fish Trade in Medieval North Atlantic Societies**

**Sacred Heritage**

**The North Atlantic. A Comparative Perspective**

**Behaviour Behind Bones**

**Animal Bones and Archaeology**

**Marine Plankton**

*Cod and Herring The Archaeology and History of Medieval Sea Fishing*

*This handbook provides advice on best practice for the recovery, publication and archiving of animal bones and teeth from Holocene archaeological sites (ie from approximately the last 10,000 years). It has been written for local authority archaeology advisors, consultants, museum curators, project managers, excavators and zooarchaeologists, with the aim of ensuring that approaches are suitable and cost-effective.*

*Fisheries supply a critically important ecosystem service by providing over three billion people with nearly 20% of their daily animal protein intake. Yet one third of the world's fish stocks are currently harvested at unsustainable levels. Calls for the adoption of more holistic approaches to management that incorporate broader ecosystem principles are now being translated into action worldwide to meet this challenge. The transition from concept to implementation is accompanied by the need to further establish and evaluate the analytical framework for Ecosystem-Based Fishery Management (EBFM). The objectives of this novel textbook are to provide an introduction to this topic for the next generation of scientists who will carry on this work, to illuminate the deep and often underappreciated connections between basic*

*ecology and fishery science, and to explore the implications of these linkages in formulating management strategies for the 21st century. Fishery Ecosystem Dynamics will be of great use to graduate level students as well as academic researchers and professionals (both governmental and NGO) in the fields of fisheries ecology and management.*

*Animals have played a fundamental role in shaping human history and the study of their remains from archaeological sites--zooarchaeology--has gradually been emerging as a powerful discipline and crucible for forging an understanding of our past. The Oxford Handbook of Zooarchaeology offers a cutting-edge compendium of zooarchaeology the world over that transcends environmental, economic, and social approaches, seeking instead to provide a holistic view of the roles played by animals in past human cultures. Incisive chapters written by leading scholars in the field incorporate case studies from across five continents, from Iceland to New Zealand and from Japan to Egypt and Ecuador, providing a sense of the dynamism of the discipline, the many approaches and methods adopted by different schools and traditions, and an idea of the huge range of interactions that have occurred between people and animals throughout the world and its history. Adaptations of human-animal relationships in environments as varied as the Arctic, temperate forests, deserts, the tropics, and the sea are discussed, while studies of hunter-gatherers, farmers, herders, fishermen, and even traders and urban dwellers highlight the importance that animals have had in all forms of human societies. With an introduction that clearly contextualizes the current practice of zooarchaeology in relation to both its history and the challenges and opportunities that can be expected for the future, and a methodological glossary illuminating the way in which zooarchaeologists approach the study of their material, this Handbook will be invaluable not only for specialists in the field, but for anybody who has an interest in our past and the role that animals have played in forging it.*

*The Fish Lands*

*The First Steps of Animal Domestication*

*A Biography Of The Fish That Changed The World*

*The Archaeology of Animal Bones*

*Cod*

*Zooarchaeology*

*World Without Fish*

This volume gathers 88 contributions related to the theme 'Ships and Maritime Landscapes' of the Thirteenth International Symposium on Boat and Ship Archaeology (ISBSA 13) held in Amsterdam on the 7th to 12th October 2012. The articles include both papers and poster presentations by experts in the field of nautical archaeology, history of ships and shipbuilding, and naval architecture. The contributions deal not only with the theme of maritime landscapes but also with a variety of ship related subjects, like regional watercraft, construction and typology, material applications and design, outfitting, reconstruction and current research.

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 methodological 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.

It is estimated that in prehistoric societies children comprised at least forty to sixty-five percent of the population, yet by default, our ancestral landscapes are peopled by adults who hunt, gather, fish, knap tools and make art. But these adults were also parents, grandparents, aunts and uncles (however they would have codified these kin relationships) who had to make space physically, emotionally, intellectually, and cognitively for the infants, children and adolescents around them. The economic, social, and political roles of Paleolithic children are often understudied because they are assumed to be unknowable or negligible. Drawing on the most recent data from the cognitive sciences and from the ethnographic, fossil, archaeological, and primate records, *Growing Up in the Ice Age* challenges these assumptions. This volume is a timely and evidence-based look at the lived lives of Paleolithic children and the communities of which they were a part. By rendering the "invisible" children visible, readers will gain a new understanding not only of the contributions that children have made to the biological and cultural entities we are today but also of the Paleolithic period as whole.

## Online Library Cod And Herring The Archaeology And History Of Medieval Sea Fishing

Drawing on archaeological and written sources, this collection of essays presents fascinating new interpretations in the history of the fisheries by highlighting the consequences of the northern fisheries through interdisciplinary approaches to various themes, including the environment, economy, politics, and society in the medieval and early modern periods.

The Eighth to Twelfth Centuries AD

Food Provisioning in Complex Societies

An Introduction to Peatland Archaeology and Palaeoenvironments

Fish on Friday

An Encyclopedia

Cod and Herring

Fisheries of the North Atlantic, the North Sea and the Baltic, 900-1850

*Survival, growth and distribution of marine organisms are highly influenced by climate variability. Marine biodiversity is threatened by the combined forces of harvesting, pollution and climate change. In this book, contributors summarize current knowledge of how climate affects marine ecosystems, focusing on the North Atlantic.*