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**Mammal Bones and Teeth** - Simon Hillson - 2016-06-16

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**Teeth** - Simon Hillson - 2005-07-21

Archaeological discoveries of teeth provide remarkable information on humans, animals and the health, hygiene and diet of ancient communities. In this fully revised and updated 2005 edition of his seminal text, Simon Hillson draws together archaeology, anthropology and related disciplines to provide a comprehensive manual on the study of teeth. The range of mammals examined has been extended to include descriptions and line drawings for 325 mammal genera from Europe, North Africa, western, central and northeastern Asia, and North America. The book also introduces dental anatomy and the microscopic structure of dental tissues, explores how the age or season of death is estimated and looks at variations in tooth size and shape. With its detailed descriptions of the techniques and equipment used and its provision of tables and charts, this book is essential reading for students of archaeology, zoology and dental science.

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**Tooth by Tooth** - Sara Levine - 2016
This playful picture book will keep readers guessing as they find out how human teeth are like and unlike those of other animals.

**Social Networking As a Criminal Enterprise** - Catherine D. Marcum - 2017-06-30
As social networking continues to evolve and expand, the opportunities for deviant and criminal behavior have multiplied. Social Networking as a Criminal Enterprise explores how new avenues for social networking criminality have affected our criminal justice system. With insight from field experts, this book examines: The history of social networking and the process of developing an online identity Schools of criminological theory and how they relate to criminality on social networking websites Forms of criminal behavior that can be performed utilizing social networking websites Criminality via texting, identity theft, and
deviant and criminal behavior offenders and victims in cyberbullying and digital piracy Online sexual victimization, including child pornography and sexual solicitation of youth The book concludes by discussing law enforcement’s response, including new techniques and training, type of evidence, and use of experts. It also discusses how the corrections system has been affected by these types of offenders. Discussion questions at the end of each chapter encourage critical thinking and case studies help place the material in context. Ideal for students and scholars, the book offers a comprehensive examination of how the emergence of social networking has affected criminality online, and how it has impacted the criminal justice system.

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**Animal Bones and Archaeology** - Polydora Baker - 2019-06
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.

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Vertebrates is the first comprehensive publication devoted to the teeth and dentitions of living fishes, amphibians and reptiles. The book presents a comprehensive survey of the amazing variety of tooth forms among non-mammalian vertebrates, based on descriptions of approximately 400 species belonging to about 160 families. The text is lavishly illustrated with more than 600 high-quality color and monochrome photographs of specimens gathered from top museums and research workers from around the world, supplemented by radiographs and micro-CT images. This stimulating work discusses the functional morphology of feeding, the attachment of teeth, and the relationship of tooth form to function, with each chapter accompanied by a comprehensive, up-to-date reference list. Following the descriptions of the teeth and dentitions in each class, four chapters review current topics with considerable research activity: tooth development; tooth

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**Skulls and Bones** - Glenn Searfoss - 1995
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**The Teeth of Non-Mammalian Vertebrates** - Barry K. B. Berkovitz - 2016-10-14
The Teeth of Non-Mammalian...
amphibians and reptiles. The structure, formation and evolution of the dental hard tissues. This timely book, authored by internationally recognized teachers and researchers in the field, also reflects the resurgence of interest in the dentitions of non-mammalian vertebrates as experimental systems to help understand genetic changes in evolution of teeth and jaws. Features more than 600 images, including numerous high-quality photographs from internationally-recognized researchers and world class collections Offers guidance on tooth morphology for classification and evolution of vertebrates Provides detailed coverage of the dentition of all living groups of non-mammalian vertebrates.

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**The Archaeology of Animal Bones** - Terence Patrick O'Connor - 2008
The author provides a focused overview of the field, emphasizing how bones are used to study past human-animal interactions.

**The Analysis of Animal Bones from Archeological Sites** - Richard G. Klein - 1984
In growing numbers, archeologists are specializing in the analysis of excavated animal bones as clues to the environment and behavior of ancient peoples. This pathbreaking work provides a detailed discussion of the outstanding issues and methods of bone studies that will interest zooarcheologists as well as paleontologists who focus on reconstructing ecologies from bones. Because large samples of bones from archeological sites require tedious and time-consuming analysis, the authors also offer a set of computer programs that will greatly simplify the bone specialist's job. After setting forth the interpretive framework that governs their use of numbers in faunal analysis, Richard G. Klein and Kathryn Cruz-Uribe survey...
methods of bone studies that taxonomic abundance, review methods for estimating the sex and age composition of a fossil species sample, and then give examples to show how these measures and sex/age profiles can provide useful information about the past. In the second part of their book, the authors present the computer programs used to calculate and analyze each numerical measure or count discussed in the earlier chapters. These elegant and original programs, written in BASIC, can easily be used by anyone with a microcomputer or with access to large mainframe computers.

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A Key-guide to Mammal Skulls and Lower Jaws - Aryan I. Roest - 1986
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Animal Bones in Archaeology - Michael Lawson Ryder - 1969
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Mammalian Zooarchaeology, Alaska - George S. Smith - 1979
Provides a systematic regional approach for identifying and analyzing mammal bones from archaeological sites in Alaska. Contains field and laboratory procedures and reference material relevant to Alaska, including anatomical drawings, biographical information on Alaskan mammals, maps of animal distributions, animal weights, and methods of determining age. Includes topical bibliographies.

Mammalian

Zooarchaeology, Alaska - with a microcomputer or with access to large mainframe computers.
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Pictures of Ivory and Other Animal Teeth, Bone and Antler - Thomas Kenneth Penniman - 1952

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Dental Functional Morphology - Peter W. Lucas - 2004-06-03
Publisher Description

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Identifying and Interpreting Animal Bones
- April M. Beisaw - 2013-10-16
Offering a field-tested analytic method for identifying faunal remains, along with helpful references, images, and examples of the most commonly encountered North American species, Identifying and Interpreting Animal Bones: A Manual provides an important new reference for students, avocational archaeologists, and even enthusiasts. Using the basic principles outlined here, the bones of any vertebrate animal, including humans, can be identified and their relevance to common research questions can be better understood. Because the interpretation of archaeological sites depends heavily on the analysis of surrounding materials—soils, artifacts, and floral and faunal remains—it is important that non-human remains be correctly distinguished from human bones, that distinctions between domesticated and wild or feral animals be made correctly, and that evidence of the reasons for faunal remains in the site be recognized. But the ability to identify and analyze animal bones is a skill that is not easy to learn from a traditional textbook. In Identifying and Interpreting Animal Bones, veteran archaeologist and educator April Beisaw guides readers through the stages of identification and analysis with sample images and data, also illustrating how
enthusiasts. Using the basic decisions that allow for the identification of the smallest fragments of bone. Extensive additional illustrative material, from the author’s own collected assemblages and from those in the Archaeological Analytical Research Facility at Binghamton University in New York, are also available in the book’s online supplement. There, readers can view and interact with images to further understanding of the principles explained in the text.

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Animal bones in Australian archaeology - Melanie Fillios - 2015-12-02 Zooarchaeology has emerged as a powerful way of reconstructing the lives of past societies. Through the

found on a site, zooarchaeologists can uncover important information on the economy, trade, industry, diet, and other fascinating facts about the people who lived there. Animal bones in Australian archaeology is an introductory bone identification manual written for archaeologists working in Australia. This field guide includes 16 species commonly encountered in both Indigenous and historical sites. Using diagrams and flow charts, it walks the reader step-by-step through the bone identification process. Combining practical and academic knowledge, the manual also provides an introductory insight into zooarchaeological methodology and the importance of zooarchaeological research in understanding human behaviour through time.

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Zooarchaeology - Elizabeth J. Reitz - 2008-01-14

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
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Trace Metals and Fluoride in Bones and Teeth - Nicholas D. Priest - 1990-06-22
This volume is a comprehensive introduction to the analysis, binding, uptake, metabolism, kinetics, modeling, distribution, occurrence, toxicity and chelation of metals and fluoride in the body, with special reference to mineralized tissues. Both toxic and relatively harmless polyvalent cations and anions are considered. Included are
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**Owls, Caves and Fossils** - Peter Andrews - 1990-08-30

Owls, Caves, and Fossils is the first comprehensive, fully illustrated account of small mammal taphonomy. The study of small mammal remains has previously been neglected in favor of such large mammals as elephants, bovids, and carnivores, and Andrews remedies this deficiency by analyzing the taphonomic processes significant in the preservation of small mammal fauna in caves.

**Encyclopedia of Marine Mammals** - William F. Perrin - 2009-02-26

This thorough revision of the classic Encyclopedia of Marine Mammals brings this authoritative book right up-to-date. Articles describe every species in detail, based on the very latest taxonomy, and a host of biological, ecological and sociological aspects relating to marine mammals. The latest information on the biology, ecology, anatomy, behavior and interactions with man is provided by a cast of expert authors - all presented in such detail and clarity to support both marine mammal specialists and the serious naturalist. Fully referenced throughout and with a fresh selection of the best color photographs available, the long-awaited second edition remains at the forefront as
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Bones: An Inside Look at the Animal Kingdom - Jules Howard - 2020-04-07
Bones: An Inside Look at the Animal Kingdom takes the reader on a fascinating journey through the biological history of the skeletal system in the animal kingdom. With sections focusing on different abilities and features, from biting and flying to jaws, tails, and more, this exciting collection explains how animals' amazing bodies have adapted to allow them to do so many different things.

The Archaeology of Animals - Simon J. M. Davis - 2012-11-12
Ever since the discovery of fossil remains of extinct animals associated with flint implements, bones and other animal remains have been providing invaluable information to the archaeologist. In the last 20 years many archaeologists and zoologists have taken to studying such "archaeofaunal" remains, and the science of "zoo-archaeology" has come into being. What was the
animals associated with flint which our ancestors lived? In which season were sites occupied? When did our earliest ancestors start to hunt big game, and how efficient were they as hunters? Were early humans responsible for the extinction of so many species of large mammals 10-20,000 years ago? When, where and why were certain animals first domesticated? When did milking and horse-riding begin? Did the Romans influence our eating habits? What were sanitary conditions like in medieval England? And could the terrible pestilence which afflicted the English in the seventh century AD have been plague? These are some of the questions dealt with in this book. The book also describes the nature and development of bones and teeth, and some of the methods used in zoo-archaeology.

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**Atlas of Taphonomic Identifications** - Yolanda Fernandez-Jalvo - 2016-07-28

The aim of the atlas is to provide images of taphonomic modifications, making it as comprehensive as possible with evidence presently available. This volume is intended both as a field guide for identifying taphonomic modifications in the field, and for use in the laboratory when collections of fossils are being analyzed. Images in the book are a combination of scanning electron micrographs, regular photographs, cross-sections of bones and line drawings and graphs. By providing good quality illustrations of taphonomic modifications, with links between similar types of modification, the atlas provides a reference source for identifying the agents responsible for the modifications, the processes by which they were formed, introduced by the processes. The authors also aim to emphasize on the directions they consider taphonomic studies should be headed. Firstly, we should seek to quantify the degree of bias introduced into a fossil fauna and to take account of this bias before interpreting the palaeoecology of the fossil site. Secondly, we should recognize that taphonomic modifications increase the information encoded in fossils by identifying perimortem and postmortem contexts. This provides a more dynamic and realistic view of the past.

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**Animal Skulls** - Mark Elbroch - 2006

This reference and guidebook offers illustrations, descriptions, and measurements for the skulls of some 275 animal species found throughout North America. The skull is the key anatomical feature used to identify an animal and understand many of its behaviors. This book describes in words and pictures the bones and regions of the skull important to identification, including illustrations of all the bones in the cranium, leading to a greater understanding of a creature's place in the natural world. With life-size drawings, this guide is a reference for wildlife professionals, trackers, and animal-lovers.

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**Sydney's Aboriginal Past**
Val Attenbrow - 2010
Revealing the diversity of Aboriginal life in the Sydney region, this study examines a variety of source documents that discuss not only Aboriginal life before colonization in 1788 but also the early years of first contact. This is the only work to explore the minutiae of Sydney Aboriginal daily life, detailing the food they ate; the tools, weapons, and equipment they used; and the beliefs, ceremonial life, and rituals they practiced. This updated edition has been revised to include recent discoveries and the analyses adding yet more value to this 2004 winner of the John Mulvaney award for best archaeology book from the Australian Archaeological Association. The inclusion of a special supplement that details the important sites in the Sydney region and how to access them makes the book especially appealing to those interested in visiting the sites.
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**Comparative Osteology**

Bradley Adams - 2011-08-12

In the forensic context it is quite common for nonhuman bones to be confused with human remains and end up in the medical examiner or coroner system. It is also quite common for skeletal remains (both human and nonhuman) to be discovered in archaeological contexts. While the difference between human and nonhuman bones is often very striking, it can also be quite subtle. Fragmentation only compounds the problem. The ability to differentiate between human and nonhuman bones is dependent on the training of the analyst and the available reference.

Comparative Osteology is a photographic atlas of common North American animal bones designed for use as a laboratory and field guide by the forensic scientist or archaeologist. The intent of the guide is not to be inclusive of all animals, but rather to present some of the most common species which also have the highest likelihood of being potentially confused with human remains. An affordably priced, compact laboratory/field manual, comparing human and nonhuman bones Contains almost 600 high-quality black and white images and diagrams, including inch and centimeter scales with each photograph Written by the foremost forensic scientists with decades of experience in the laboratory and as expert witnesses An additional Companion Web site hosts images from the volume the reader can magnify and zoom into to see specific landmarks and features on bones

http://booksite.academicpress.com/9780123884374
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A History of Land Mammals in the Western Hemisphere - William Berryman Scott - 1937

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**Forensic Odontology** - Jane Taylor - 2016-02-08

Forensic Odontology: Principles and Practice pulls together the very latest research findings and advice on best practice and essential skills, including aspects of forensic science that provide a well-rounded educational experience for the reader. Chapters provide coverage of anatomy and morphology, mortuary techniques, physical anthropology, applied forensic
Appropriate case studies are used to highlight issues, and references to current research are provided to stimulate further reading and research. --

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**Predator-Prey Interactions in the Fossil Record** - Patricia Kelley - 2003-01-31
From the Foreword:
"Predator-prey interactions are among the most significant of all organism-organism interactions. It will only be by compiling and evaluating data on predator-prey relations as they are recorded in the fossil record that we can hope to tease apart their role in the tangled web of evolutionary interaction over time. This volume, compiled by a group of expert specialists on the evidence of predator-prey interactions in the fossil record, is a pioneering effort to collate the information now accumulating in this important field. It will be a standard reference on which future study of one of the central dynamics of ecology as seen in the fossil record will be built." (Richard K.
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**Bones and Identity** - Nimrod Marom - 2016-07-31

Seventeen papers demonstrate how zooarchaeologists engage with questions of identity through culinary references, livestock husbandry practices and land use. Contributions combine hitherto unpublished zooarchaeological data from regions straddling a wide geographic expanse between Greece in the West and India in the East and spanning a time range from the latest part of the Palaeolithic to the Middle Ages. The vitality of a hands-on approach to data presentation and interpretation carried out primarily at the level of the individual site - the arena of research providing the bread and butter of zooarchaeological work conducted in southwest Asia - is demonstrated. Among the themes explored are shifting identities of late hunter-gatherers through interactions with settled agrarian societies; the
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The volume constitutes the proceedings of the 11th meeting of the ICAZ Working Group - Archaeozoology of Southwestern Asia and Adjacent Areas (ASWA).

Your Inner Fish - Neil Shubin - 2009
A fascinating chronicle of the evolution of humankind traces the genetic history of the organs of the human body, offering a revealing correlation between the distant past and present-day human anatomy and physiology, behavior, illness, and DNA. Reprint. 75,000 first printing.

What If You Had Animal Teeth? - Sandra Markle - 2017-01-31
If you could have any animal's front teeth, whose would you choose? WHAT IF YOU HAD ANIMAL TEETH? takes children on a fun, informative, and imaginative journey as they explore what it would be like if their own front teeth were replaced by those of a different animal. Featuring a dozen animals (beaver, great white shark, narwhal, elephant, rattlesnake, naked mole rat, hippopotamus, crocodile, and more), this book explores how different teeth are especially adapted for an animal's survival. At the end of the book, children will discover why their own teeth are just right for them. And they'll also get a friendly reminder to take good care of their teeth, because they're the only teeth they'll ever have. Each spread features a photograph of the animal using its specialized teeth on the left and a humorous illustrated image of a child using that animal's teeth on the right.
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The Fauna of Alvastra - Ebba During - 1986
Skandinavien - Spätneolithikum - Ufersiedlung/Moorsiedlung - Methodik - Archäozoologie - Alvastra.

Mammal Remains from Archaeological Sites - Stanley John Olsen - 1964
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This classic work provides a guide to the identification of nonhuman animal bones. Olsen illustrates various diagnostic characteristics of rodents and dogs; jaguars and other members of the cat family; the domestic horse, pig, and goat; and other animals whose bones are commonly found in archaeological sites in the southeastern United States.

Forensic Recovery of Human Remains - Tosha L. Dupras - 2011-10-27
This reference, now in its second edition, is a comprehensive guide that focuses on the practical aspects of excavating and recovering human remains, as well as any associated evidence, from crime scenes. It highlights the protocols and techniques that are used to successfully survey, map, recover, document, collect, and transport evidence. New add...