

# International Handbook Of Underwater Archaeology

International Handbook of Underwater Archaeology Maritime Archaeology Man, 12,000 Years Under the Sea Submerged History Encyclopaedia of Underwater and Maritime Archaeology Technical Means for Underwater Archaeology The Underwater Dig Ships, Shoals, and Amphoras The Persistence of Sail in the Age of Steam Our Blue Planet A Bibliography of Underwater Archaeology An Indexed Bibliography of Underwater Archaeology and Related Topics Underwater Archaeology Maritime Claims and Underwater Archaeology Sunken Riches: Exploring the Secrets of Underwater Archaeology Diving Into the Past: Theories, Techniques, and Applications of Underwater Archaeology Underwater and Maritime Archaeology in Latin America and the Caribbean Man Landscape Beneath the Waves Underwater Cultural Heritage Carol V. Ruppe Lawrence E. Babits Robert Forrest Burgess Roger C. Smith James P. Delgado Mikhail Klyuev Robert F. Marx Suzanne De Borhegyi Donna J. Souza Ben Ford James F. Mucche John Sherwood Illsley Nautical Archaeology Society (NAS) Mariano J. Aznar Gregg B. Flores Margaret E. Leshikar-Denton Robert F. Burgess Caroline Wickham-Jones Elena Perez-Alvaro

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although underwater archaeology has assumed its rightful place as an important subdiscipline in the field the published literature has not kept pace with the rapid increase in the number of both prehistoric and historic underwater sites the editors have assembled an internationally distinguished roster of contributors to fill this gap in addition to both geographical and topical approaches the chapters also focus on technology law public and private institutional roles and goals and the research and development of future technologies and public programs

this volume initiates a new series of books on maritime or underwater archaeology and as the editor

of the series i welcome its appearance with great excitement it is appropriate that the first book of the series is a collection of articles intended for graduate or undergraduate courses in underwater archaeology since the growth in academic opportunities for students is an important sign of the vitality of this subdiscipline the layman will enjoy the book as well academic and public interest in shipwrecks and other submerged archaeological sites is indicated by a number of factors every year there are 80 to 90 research papers presented at the society for historical archaeology's conference on historical and underwater archaeology and the proceedings are published public interest is shown by extensive press coverage of shipwreck investigations one of the most important advances in recent years has been the passage of the abandoned shipwreck act of 1987 for the first time providing national level law concerning underwater archaeological sites the legislation has withstood a number of legal challenges by commercial treasure salvors a very hopeful sign for the long term preservation of this nonrenewable type of cultural resource the underwater archaeological discoveries of 1995 were particularly noteworthy the texas historical commission discovered the belle one of la salle's ships and the css hunley was found by a joint project of south carolina and a private nonprofit organization called numa

this heavily illustrated book is written by top archaeologists who study florida's sunken heritage in unique underwater sites learn from them the secrets at the bottom of springs and rivers discover drowned prehistoric waterfront neighborhoods paddle into the past on ancient canoes swim across wrecked spanish galleons and slave ships record the contents of a civil war troop transport and study waterlogged artifacts in the laboratory submerged history takes readers on professionally guided tours along the broad spectrum of florida's hidden watery past to illustrate what these fascinating sites can reveal about the people who came before us

the theory and practice of underwater archaeology includes nearly every archaeological discipline from prehistoric archaeology to the modern era

the book discusses various aspects of the technical support of underwater archaeological research in marine and freshwater areas this book considers the relevance specificity and artifacts of underwater archaeological research stating the factors of flooding of archaeological artifacts the authors describe the basic equipment for underwater work as well as the equipment for remote study of the bottom and underwater archaeological research this book presents the usage of instrumentation in underwater archaeology case studies included in this book correspond to the flooded ancient greek cities of fanagoria and patraeus in the taman bay of the black sea flooded neolithic settlements on lake sennitsa in the pskov region of russia sunken ships in the north of the black sea and sunken liner titanic in the atlantic ocean the book is intended for students graduate students and archaeologists who are interested in the specifics of underwater archaeological research and are planning to conduct it

using an anthropologically oriented research design this investigation of the wrecks of six sailing ships dating from the middle to late nineteenth century shows how merchant sailing attempted to

compete with steamships not only through technological adaptation but also through increased risk taking souza addresses risk taking behavior its archaeological signatures and supporting evidence highlights include maps photographs and contemporary illustrations tables of anchor and chain size a list of all wrecking vessels known to have operated in dry tortugas and a glossary of nautical terms the result is a work with broad applications to the study of cultural change and a model for a new kind of underwater archaeology

our blue planet provides a comprehensive introduction to the field of maritime and underwater archaeology situating the field within the broader study of history and archaeology this book advocates that an understanding of how our ancestors interacted with rivers lakes and oceans is integral to comprehending the human past our blue planet covers the full breadth of maritime and underwater archaeology including formerly terrestrial sites drowned by rising sea levels coastal sites and a wide variety of wreck sites ranging across the globe and spanning from antiquity to world war ii beginning with a definition of the field and several chapters dedicated to the methods of finding recording and interpreting submerged sites our blue planet provides an entry point for all readers whether or not they are familiar with maritime and underwater archaeology or archaeology in general the book then shifts to a thematic approach with chapters exploring human interactions with the watery world both along the coasts and by ship these chapters discuss the relationships between culture technology and environment that allowed humans through time to spread across the globe because ships were the primary means for humans to interact with large bodies of water they are the focus of several chapters on the development of shipbuilding technology the lives of sailors and the uses of ships in exploration expansion and warfare the book ends with chapters on how and why the non renewable submerged archaeological record should be managed so that both current and future generations can learn from the achievements and failures of past societies as well as on how anyone can become involved in maritime and underwater archaeology throughout the reader benefits from the personal reflections of a number of leading figures in the field

this volume is an indexed bibliography of underwater archaeology and related topics it covers a range of subjects including shipbuilding and naval architecture underwater archaeology artefacts conservation and archaeological sites

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

to what extent can underwater archaeology and underwater cultural heritage support a state s maritime claim many states have plausibly extended their maritime legislative and executive jurisdiction to the outer limit of the contiguous zone to better protect underwater cultural heritage

however some states such as canada in the arctic china in the south china sea or russia in crimea are going further claiming sovereignty over disputed maritime areas or even the high seas maritime claims and underwater archaeology aimed at internationalists and archaeologists critically assesses these recent practices reviewing this search for buried sovereignty from a legal historical and ethical perspective

delve into the captivating world of underwater archaeology with this comprehensive book that explores the methods challenges and discoveries of excavating beneath the waves from uncovering sunken ships and lost civilizations to investigating underwater landscapes and industrial sites this book covers a wide range of topics in this fascinating field discover the cultural significance of underwater archaeological sites the impact of maritime history on our understanding of the past and the conservation methods used to protect underwater artifacts with insights into the future of underwater archaeology and the advancements in technology shaping the field this book is a must read for anyone interested in the mysteries hidden beneath the seas

case studies written primarily by latin american and caribbean archaeologists demonstrate exciting and cutting edge research conservation site preservation and interpretation of underwater and maritime archaeology in the region

man 12 000 years under the sea is the dramatic story of underwater archaeology it starts when greek sponge divers discover ancient statues in the sea and covers the history of marine archaeology from this early beginning to the present it describes such things as the discovery of a primitive bronze device later believed to be a marvelous combination of cogs and wheels that was used as an early computer one in use by greek navigators 82 years before christ it takes us along with the earliest of wreck hunters whose efforts off north africa reveal to them the cannons of the gods they are all here searching out the unbelievable including modern day divers finding the remnants of a prehistoric forest one the author photographed 52 feet under water that carbon dated to over 30 000 years before present time even more intriguing are the dives of pioneer bill royal who first found and then urged scientists to investigate ice age man s 12 000 year old remains deep down in once dry florida springs where no one had ever been before the reader joins that expedition recovering saber tooth tiger skeletons among those of early man whose underwater cave wall contained the embedded hand sized fossil tooth of a prehistoric shark over 50 feet long after that we journey to the greek isles with dr george bass and his divers to find and explore a 3 000 year old bronze age shipwreck with its cargo still intact later we dive warm tropical seas on a long lost spanish treasure galleon then join a crew in a submersible making their first dive to the long lost monitor and still later we follow scientists combing loch ness to discover something more than a monster exists there burgess writes of these adventures with the eye of one who was on hand to witness some of the earliest contemporary archaeological efforts to understand the meaning of these long overlooked mysteries for example how was it possible for searchers to recover a skull of an ice age cave man from the depths of a florida spring only to find that it contained his brain still intact working closely with today s deep diving scientists robert burgess reveals answers to these and other mysteries that enable us to have a clearer

view of early man and his world you will find this photographically illustrated e book an exciting read from beginning to end in man 12 000 years under the sea robert burgess gives us a peek at the work done by sponge divers treasure hunters and underwater archaeologists the excitement and hazard of underwater exploration is so clearly described that i was tempted to get a diving suit to join them the sacramento bee this book is more than intriguing it is a necessity mensa bulletin man 12 000 years under the sea will appeal to all readers who like action and adventure publisher s weekly

at the end of the last ice age sea level around the world was lower coastal lands stretched further and the continents were bigger in some cases landmasses were joined by dry land that has now disappeared beneath the waves the study of the now submerged landscapes that our ancestors knew represents one of the last barriers for archaeology only recently have advances in underwater technology reached the stage where a wealth of procedures is available to explore this lost undersea world this volume considers the processes behind the rising and falling of relative sea levels and then presents the main techniques available for the study and interpretation of the archaeological remains that have survived inundation case studies are used to illustrate particular applications finally a review of projects around the world highlights the varying scale and period of sites concerned submerged archaeological sites often include the preservation of fragile materials such as decorated timbers that shed rare detail on the communities of prehistory in other cases the features of the landscape context into which they are set can be extraordinarily well preserved this is not a book about shipwrecks but about landscapes now lost beneath the waves it is written for all archaeologists whether they work on land or at sea and for all who are interested in the past it illustrates the shape of the world as it once was and explains why we need to understand it it offers an easily accessible introduction to the exciting realm of underwater archaeology

underwater cultural heritage investigates cases of underwater cultural heritage exploring ethical issues that have never been studied before a vast cultural heritage lies beneath the sea including the archaeological remains of more than three million vessels as well as historic monuments and whole cities in addition climate change population growth and current events around the world mean that new underwater cultural heritage is being created faster than ever before it is therefore essential that the ethical issues related to the management of such heritage are considered now especially as decisions made now will bestow the heritage with a value and will establish legal frameworks that could be used either to protect or harm underwater heritage in the future considering a range of challenges related to underwater cultural heritage including preservation management use sustainability valuation politics identity human rights and intangible heritage the book presents case studies that both illustrate the key ethical issues and also offer possible solutions to help navigate such challenges the book will also explore the various legislative instruments protecting underwater cultural heritage and emphasise the importance of revising and updating legal frameworks whilst also taking into account ethical concerns that may expose cultural heritage to more serious menaces underwater cultural heritage draws on case studies from around the globe and as such should be of great interest to academics researchers and students working in heritage studies archaeology history politics and sustainability it should also be appealing to heritage practitioners and policymakers who

want to learn more about the issues surrounding not only management of underwater cultural heritage but management of cultural heritage in general

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