

# Relic, Icon or Hoax?

Carbon Dating

of the Turin Shroud

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# Relic Icon Or Hoax Carbon Dating The Turin Shroud

**F Dworschak, R Holzle**



## **Relic Icon Or Hoax Carbon Dating The Turin Shroud:**

Relic, Icon or Hoax? Harry E Gove, 2024-11-01 Interest in the Turin Shroud continues to the present day even though it was finally carbon dated in 1988 and shown not to be of an age consistent with Christ's burial. Scientifically the age of the shroud cloth is of little consequence but to the general public it is of considerable significance. The author Harry E Gove is a co-inventor of accelerator mass spectrometry and was responsible for its use in establishing whether the Turin Shroud could have been Christ's burial cloth. Relic Icon or Hoax Carbon Dating the Turin Shroud presents an eyewitness account of the events that culminated in the final determination of the age of the linen cloth of the Turin Shroud and some of the subsequent reactions to the results. The book discusses the application of accelerator mass spectrometry to the carbon dating of the Turin Shroud using samples only a few square centimeters in area and weighing only a few tens of milligrams.

**Relic, Icon or Hoax?** Harry E Gove, 1996-01-01 Interest in the Turin Shroud continues to the present day even though it was finally carbon dated in 1988 and shown not to be of an age consistent with Christ's burial. Scientifically the age of the shroud cloth is of little consequence but to the general public it is of considerable significance. The author Harry E Gove is a co-inventor of accelerator mass spectrometry and was responsible for its use in establishing whether the Turin Shroud could have been Christ's burial cloth. Relic Icon or Hoax Carbon Dating the Turin Shroud presents an eyewitness account of the events that culminated in the final determination of the age of the linen cloth of the Turin Shroud and some of the subsequent reactions to the results. The book discusses the application of accelerator mass spectrometry to the carbon dating of the Turin Shroud using samples only a few square centimeters in area and weighing only a few tens of milligrams. The Holy Shroud Gary Vikan, 2020-05-05 A towering figure in the art world unravels the mystery of the world's most controversial relic. The history of the Christian church is strewn with holy relics and artifacts none more controversial than the Shroud of Turin, the supposed burial cloth of Christ. In The Holy Shroud Gary Vikan shows that the shroud is not the burial cloth of Jesus but rather a photograph-like body print of a medieval Frenchman created by a brilliant artist serving the royal court in the time of the Black Death. It was gifted by King John II to his friend Geoffroi de Charny, the most renowned knight of the Middle Ages who shortly thereafter died at the disastrous Battle of Poitiers while saving the King's life. Though intended as nothing more than an innocuous devotional image for Geoffroi's newly built church in the French hamlet of Lirey, it was soon misrepresented. Miracles were faked, money was made. Combining copious research and decades of art world experience with an accessible wry voice, Gary Vikan shows how one of the greatest hoaxes in the history of Christian relics came into being.

The Crucifixion of Jesus, Completely Revised and Expanded Frederick T. Zugibe, 2005-04-01 In a language that is both precise and easy to understand, Dr. Zugibe presents his discoveries culled from years of exhaustive research. Documented with 95 illustrations that explore the impact of crucifixion on the body, he demonstrates the realities behind the crucifixion on the body, providing a virtual autopsy on Christ from across the centuries. *Religion, Supernaturalism, the Paranormal and*

*Pseudoscience* Hodayun Sidky, 2019-11-30 Religion Supernaturalism the Paranormal and Pseudoscience provides a comprehensive rejoinder to the challenges posed to science scientific anthropology evolutionary theory and rationality by the advocates of supernatural paranormal and pseudoscientific perspectives and modes of thought associated with the current rise of irrationalism antiintellectualism and emboldened religious fundamentalism and violence Drawing upon H Sidky's scientific anthropological background and ethnographic field research of supernatural and paranormal beliefs and practices in several cultures over three decades the book answers several important questions Why do humans have a proclivity for the supernatural and paranormal thinking Why has humanity remained shackled to sets of ideas inherited from a violent past that have no basis in reality and which bestow an illusionary solace promote bloodshed endless cruelties and fervent hatreds and have come at a high cost Why have ancient superstitions been held as sacred inviolate truths while other aspects of the archaic belief systems of which they were a part have long been discarded Why have not humans outgrown religion and paranormal beliefs

The Shroud of Christ Michael Kowalski, 2023-06-30 The Shroud of Turin has been the focus of extensive study by historians and researchers since the beginning of the twentieth century It is possibly the world's most studied historical artifact generating a regular flow of new research publications There is however one scientific test that overshadows all other research the 1988 radiocarbon dating This test dated the cloth to the period 1260-1390AD and was given such extensive publicity that most people today no longer accept the Shroud to be a true relic Sadly very few people are aware that this test has been widely criticized for falling short of acceptable scientific standards Similarly most people remain unaware of the wealth of compelling evidence that contradicts the conclusions of that test and supports claims of the Shroud's authenticity This book reveals extracts from secret discussions on dating evidence from the Shroud Science Group a private international forum of Shroud researchers and provides a detailed account of the dating evidence revealed by over a hundred years of research It outlines reasons why the 1988 radiocarbon dating test continues to attract criticism from respected scientists and also describes a series of innovative flax dating techniques which have recently been used to measure the age of Shroud material producing results that contradict the radiocarbon date

*Shroud Encounter* Russ Breault, 2024-06-12 It was a crime scene investigation like no other A man was tortured beaten and killed He was popular with the people but many in power wanted Him dead After a mock trial the powerful had their way He was given a hasty burial but now the body has disappeared Was there a clue left behind A bloody sheet offers evidence of a horrific execution Was the body stolen By whom and why Did it just vanish What does the cloth reveal about the disappearance The Shroud of Turin Italy bears the faint front and back image of a bearded crucified man with corresponding bloodstains that match the Gospel accounts of what happened to Jesus It is the most analyzed artifact in the world yet remains an unsolved mystery While there are no artistic substances on the linen cloth the blood is real and testing corresponds with type AB The blood has soaked through the cloth however the image resides only on the top 1 percent of the surface fibers Could it be the same

Shroud that wrapped Jesus in the tomb The Shroud poses the ultimate either/or proposition as either the actual burial cloth of Jesus or the product of human effort as a work of devotional art or a masterful hoax There is nothing in between The culmination of a lifetime of research countless presentations and ongoing associations with Shroud experts worldwide Russ Breault's Shroud Encounter Explore the World's Greatest Unsolved Mystery examines the science history and theology surrounding this profound enigma If proven one day to be authentic the implications could truly shake the world *The Shroud* Ian Wilson, 2010-03-24 Two decades after radiocarbon dating declared the Turin Shroud a mediaeval fake brand new historical discoveries strongly suggest that this famous cloth with its extraordinary photographic imprint is genuinely Christ's shroud after all In 1978 in his international bestseller *The Turin Shroud* Ian Wilson ignited worldwide public debate with his compelling case endorsing the shroud's authenticity Now 30 years later he has completely rewritten and updated his earlier book to provide fresh evidence to support his original argument Shroud boldly challenges the current post radiocarbon dating view that it is a fake By arguing his case brilliantly and provocatively Ian Wilson once more throws the matter into the public arena for further debate and controversy

**THE TRUTH OF THE ORIGIN OF THE UNIVERSE** Sabrie Soloman, 2024-06-12 In a world filled with scientific explanations and theories it can be easy to lose sight of the ultimate truth of our existence The truth is that the universe with all its intricate complexities did not come into being by mere chance or a random explosion It was carefully designed and orchestrated by a higher power a Creator who holds everything together When we look up at the night sky and see the countless stars and galaxies stretching out into infinity we cannot help but be in awe of the sheer magnitude and beauty of it all The heavens declare the glory of God as it says in the Bible and remind us of the greatness of the one who made it all The theory of the Big Bang which posits that the universe began as a singular point and expanded over billions of years is a flawed explanation for the origin of the universe It fails to account for the intricate design and order that we see in the cosmos as well as the existence of life on earth The marvel of our planet Earth with its perfect conditions for sustaining life points to a Creator who had a purpose and a plan in mind when he made it The countless galaxies and stars that we observe in the universe are a testament to the power and creativity of God They show us that we are part of a vast and wondrous creation one that was made by an intelligent designer who had a vision for it all The theory of evolution put forth by Charles Darwin is another flawed explanation for the diversity of life on earth It fails to explain the intricate complexities of living organisms and their unique design as well as the existence of the human soul It is clear that we are not the product of blind chance or random mutations but rather the handiwork of a loving and powerful Creator The truth of the origin of the universe points to a Creator who holds everything together and has a purpose and a plan for it all God stretches out the heavens and allows light to reach us here on earth showing us his care and provision for his creation We are not the product of random chance or blind evolution but rather the cherished creation of a loving God who made us in his image Let us never forget the marvel and wonder of the universe and the greatness of the one who made

it all     **THE TRUTH OF THE ORIGIN OF THE UNIVERSE** Dr. Sabrie Soloman,2024-08-01 The topic of undeserving credit given to the Big Bang and UFOs is a controversial one with many people having strong opinions on the matter While both the Big Bang theory and the existence of UFOs have been widely accepted the author argues that they are given too much credit and recognition without sufficient evidence to support their claims The Big Bang theory is widely accepted as the most plausible explanation for the origin of the universe Some critics argue that it is not the only possible explanation for the universe's origins Some alternative theories such as the steady state theory or the oscillating universe theory have been proposed as alternatives to the Big Bang theory Similarly the existence of UFOs is a topic that has been hotly debated for decades While there have been countless reports of UFO sightings and encounters there is a lack of concrete evidence to support the existence of extraterrestrial visitors While the Big Bang theory and UFOs may be popular topics in popular culture it is important to approach them with a critical eye and to consider the evidence before giving them undeserving credit

**The Science of Paintings** W.Stanley Jr. Taft,James W. Mayer,2006-04-18 The physics and materials science behind paintings the pigments binders canvas and varnish that go into making a painting appear the way it does The text discusses the physical principles behind the colors seen and how these change with illumination the various types of paint and binders used in both old and modern paintings and the optics and microscopic structure of paint films Chapters on dating binders and dendochronology have been contributed by experts in the respective fields     Science and Religion Paul Kurtz,2003 In this stimulating collection of articles contributors discuss the Big Bang and the origin of the universe the nature of the soul near death experiences and spiritualism     Accelerator Mass Spectrometry Claudio Tuniz,W. Kutschera,D. Fink,Gregory F. Herzog,John R. Bird,1998-03-25 This extensive undertaking Accelerator Mass Spectrometry conducts an elaborate and comprehensive summary of one of the foremost catalysts of progress in scientific research Accelerator mass spectrometry AMS an innovative analytical technique measures rare atoms at unprecedented levels of sensitivity revolutionizing the science of radiocarbon dating and accessing new natural radioisotopes as environmental tracers and chronometers This book demonstrates how AMS is applied in the studies of extraterrestrial materials the earth sciences the future of the global environment and the history of mankind This compendium also highlights the significant impact of AMS on several fields of scientific investigation spurring remarkable studies in global climate change ancient artifacts pollution nuclear safeguards geochronology and materials characterization The myriad of sample types and variety of applications in this examination include Meteorites from Mars Ancient air trapped in Antarctic ice The Shroud of Turin The dating of human bones The colonization of the Americas and Australia Ancient rock art The crown of Charlemagne Cancerogenic effects of cooked meat The consequences of the Chernobyl accident The role of aluminum in Alzheimer's Disease This unique edition has compiled the diverse set of scientific literature into a single volume suitable as a text or resource on the major AMS related outcomes issues and methods     Radiocarbon Dating R.E. Taylor,Ofer Bar-Yosef,2016-06-03 This volume is a major



revision and expansion of Taylor's seminal book *Radiocarbon Dating: An Archaeological Perspective*. It covers the major advances and accomplishments of the  $^{14}\text{C}$  method in archaeology and analyzes factors that affect the accuracy and precision of  $^{14}\text{C}$  based age estimates. In addition to reviewing the basic principles of the method, it examines  $^{14}\text{C}$  dating anomalies and means to resolve them and considers the critical application of  $^{14}\text{C}$  data as a dating isotope with special emphasis on issues in Old and New World archaeology and late Quaternary paleoanthropology. This volume again a benchmark for  $^{14}\text{C}$  dating critically reflects on the method and data that underpins in so many cases the validity of the chronologies used to understand the prehistoric archaeological record.

**From Hiroshima to the Iceman** Harry E Gove, 2022-02-14 *From Hiroshima to the Iceman: The Development and Applications of Accelerator Mass Spectrometry* presents a fascinating account of a breakthrough in science and the insights it has brought that would not have been possible without it. Involved since its invention, Harry Gove recounts the story of the development of accelerator mass spectrometry and its use as an ultrasensitive detection technique in many fields of science and the arts. A key advantage of the technique is that it requires only very small samples of material. The book explores the areas where the technique has increased understanding and provided solutions to problems including the clean up and storage of nuclear waste, the effects of the atomic bombing of Hiroshima, biomedical research, the settling of the Americas, and carbon dating of many precious artifacts. Objects dated include the Turin Shroud, the Iceman, the elephant bird egg, and the Dead Sea scrolls.

*Porcelain Analysis and Its Role in the Forensic Attribution of Ceramic Specimens* Howell G. M. Edwards, 2021-11-09 The material for this book arose from the author's research into porcelains over many years as a collector in appreciation of their artistic beauty, as an analytical chemist in the scientific interrogation of their body paste, enamel pigments, and glaze compositions, and as a ceramic historian in the assessment of their manufactory foundations and their correlation with available documentation relating to their recipes and formulations. A discussion of the role of analysis in the framework of a holistic assessment of artworks and specifically the composition of porcelain, namely hard paste, soft paste, phosphatic bone china, and magnesian, is followed by its growth from its beginnings in China to its importation into Europe in the 16th Century. A survey of European porcelain manufactories in the 17th and 18th Centuries is followed by a description of the raw materials, minerals, and recipes for porcelain manufacture and details of the chemistry of the high temperature firing processes involved therein. The historical backgrounds to several important European factories are considered, highlighting the imperfections in the written record that have been perpetuated through the ages. The analytical chemical information derived from the interrogation of specimens from fragments, shards, or perfect finished items is reviewed, and operational protocols established for the identification of a factory output from the data presented. Several case studies are examined in detail across several porcelain manufactories to indicate the role adopted by modern analytical science, with information provided at the quantitative elemental oxide and qualitative molecular spectroscopic levels where applicable. The attribution of a specimen to a particular factory is either supported thereby or in

some cases a potential reassessment of an earlier attribution is indicated Overall the information provided by analytical chemical data is seen to be extremely useful for porcelain identification and for its potential attribution in the context of a holistic forensic evaluation of hitherto unknown porcelain exemplars of questionable factory origins

**Symposium Of North Eastern Accelerator Personnel, Sneap 31** F Dworschak, R Holze, 1999-09-20 Electrostatic particle accelerators are used in a number of fields such as nuclear physics atomic physics materials science accelerator mass spectrometry environmental science and even art The annual SNEAP meetings act as an efficient medium for exchanging experiences in the operation of electrostatic particle accelerators The proceedings with submitted manuscripts transcribed discussion sessions and technical laboratory status reports are a valuable source of practical knowledge for all accelerator staff In the 31st Symposium of Northeastern Accelerator Personnel 76 delegates from 19 countries representing 47 laboratories and companies Fourteen papers dealt both with the operating status and new developments at low energy linear accelerator laboratories in Australia France Germany Hungary India Russia and the United States Additionally laboratories from Austria Germany and Sweden introduced the function of their accelerators in high quality accelerator mass spectrometry and four laboratories from Germany Japan and the United States demonstrated interesting applications of electrostatic particle accelerators Finally seventeen laboratories presented their annual reports

*The DNA of God* Leoncio A. Garza-Valdes, 2012-05-09 In 1988 radiocarbon dating showed that the Shroud of Turin long regarded as the burial cloth of Jesus of Nazareth could not be from the time of Jesus but was of a more recent origin What scientists did not know at that time but what author Dr Leoncio Garza Valdes came to discover is that bacteria produce an organic coating what he calls a bioplastic coating over time on ancient textiles textiles including the Shroud itself This coating which the author first discovered on Mayan artifacts so distorts the carbon dating process that objects on which it is found such as the Shroud are actually significantly older than the data show The scientific community has hailed Dr Garza Valdes s findings since this new knowledge is of significance for archaeologists around the world For those interested in the mysterious history of the Shroud it is again possible to regard this artifact as originating in the first century and consequently as being the burial cloth of Jesus But Dr Garza Valdes s amazing discoveries did not end with this breakthrough His examination of pieces of the Shroud under a microscope has revealed incredible clues consistent with the Scriptural accounts of the death of Jesus Bacteria that produce acetic acid vinegar were isolated from the Shroud Do they belong to the vinegar offered to Jesus before his death on the cross Could human blood remnants that contain a man s DNA be traces of the blood of Jesus Does it contain the DNA of God The DNA of God is the fascinating story of this microbiologist s journey of discovery and of the earthshaking secrets he has revealed about the Shroud of Turin

**The Sign** Thomas de Wesselow, 2013-03-05 How did a first century Jew called Jesus manage to spark a new religion Christianity was born nearly two thousand years ago and has won untold millions of followers Yet historians still cannot say how it really began The Sign finally provides the answer Traditionally the birth of



Christianity has been explained via the miracle of the Resurrection but historians have been unable to account for Christianity's remarkable success without the Resurrection to spark it. If no one really saw the Risen Jesus how were people convinced that he was their immortal Messiah? Art historian Thomas de Wesselow has spent the last seven years deducing the answer to this puzzle. Reassessing a much misunderstood historical source and reinterpreting critical biblical passages de Wesselow shows that the solution has been staring us in the face for more than a century. The Shroud of Turin widely thought to be a fake is in fact authentic. And it holds the key to the greatest mystery in human history.

Radiation in Art and Archeometry D.C. Creagh, D.A. Bradley, 2000-06-14 in: [inca publications misc creaghcov htm](#) About the cover This book contains twenty chapters covering a wide range of research in the fields of scientific conservation of art and archaeometry. The common thread is the use of radiation in these analyses. The term radiation is used in the widest possible sense. The book encompasses the use of electromagnetic radiation in its microwave, infrared, visible, ultraviolet, x-ray and ray forms and the use of particulate forms such as electrons, neutrons and charged particles for which the Planck's Law relation applies. In many cases there is an interplay between the two forms for example proton induced x-ray emission (PIXE), secondary ion mass spectrometry (SIMS). As far as possible the chapters have been arranged in order of ascending particle energy. Thus it commences with the use of microwaves and finishes with the use of rays. The authors were chosen on the basis of their expertise as practitioners of their particular field of study. This means that for example the mature fields of study such as the IR and UV study of paintings have been written by senior researchers whereas for the emerging fields of synchrotron and neutron techniques the chapters have been written by talented researchers at the commencement of their careers.

The book delves into Relic Icon Or Hoax Carbon Dating The Turin Shroud. Relic Icon Or Hoax Carbon Dating The Turin Shroud is a vital topic that needs to be grasped by everyone, ranging from students and scholars to the general public. The book will furnish comprehensive and in-depth insights into Relic Icon Or Hoax Carbon Dating The Turin Shroud, encompassing both the fundamentals and more intricate discussions.

1. This book is structured into several chapters, namely:
    - Chapter 1: Introduction to Relic Icon Or Hoax Carbon Dating The Turin Shroud
    - Chapter 2: Essential Elements of Relic Icon Or Hoax Carbon Dating The Turin Shroud
    - Chapter 3: Relic Icon Or Hoax Carbon Dating The Turin Shroud in Everyday Life
    - Chapter 4: Relic Icon Or Hoax Carbon Dating The Turin Shroud in Specific Contexts
    - Chapter 5: Conclusion
  2. In chapter 1, the author will provide an overview of Relic Icon Or Hoax Carbon Dating The Turin Shroud. The first chapter will explore what Relic Icon Or Hoax Carbon Dating The Turin Shroud is, why Relic Icon Or Hoax Carbon Dating The Turin Shroud is vital, and how to effectively learn about Relic Icon Or Hoax Carbon Dating The Turin Shroud.
  3. In chapter 2, the author will delve into the foundational concepts of Relic Icon Or Hoax Carbon Dating The Turin Shroud. The second chapter will elucidate the essential principles that need to be understood to grasp Relic Icon Or Hoax Carbon Dating The Turin Shroud in its entirety.
  4. In chapter 3, the author will examine the practical applications of Relic Icon Or Hoax Carbon Dating The Turin Shroud in daily life. This chapter will showcase real-world examples of how Relic Icon Or Hoax Carbon Dating The Turin Shroud can be effectively utilized in everyday scenarios.
  5. In chapter 4, this book will scrutinize the relevance of Relic Icon Or Hoax Carbon Dating The Turin Shroud in specific contexts. The fourth chapter will explore how Relic Icon Or Hoax Carbon Dating The Turin Shroud is applied in specialized fields, such as education, business, and technology.
  6. In chapter 5, the author will draw a conclusion about Relic Icon Or Hoax Carbon Dating The Turin Shroud. The final chapter will summarize the key points that have been discussed throughout the book.
- This book is crafted in an easy-to-understand language and is complemented by engaging illustrations. It is highly recommended for anyone seeking to gain a comprehensive understanding of Relic Icon Or Hoax Carbon Dating The Turin Shroud.

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