

# The Shroud of Turin



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**Based on the Trial of the Shroud Presentation**

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**FOR MORE INFORMATION**

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**or visit**

**The Shroud of Turin Website**

**[www.shroud.com](http://www.shroud.com)**

## **SHROUD OF TURIN EXHIBIT BOOK**

**The Shroud of Turin is an ancient burial cloth containing the front and back images of a scourged, crucified man that many believe is Jesus the Christ. It is totally unique and the most studied artifact in human history.**

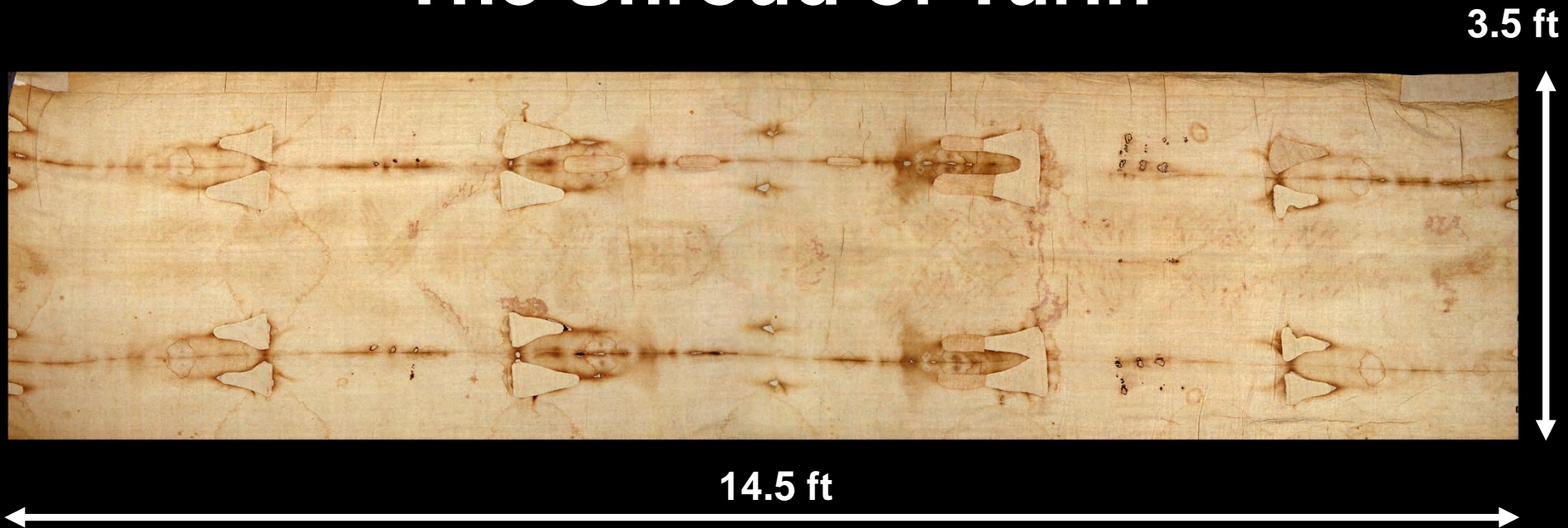
**In October 1978, the Shroud of Turin Research Project (STURP) performed the first and only in-depth scientific examination of the Shroud in its history. This team consisted of outstanding scientists and researchers chosen solely for their scientific skills and expertise. STURP included athiests, agnostics, Jews and Christians. They used the most advanced scientific instruments available over a period of five days and nights.**

**Their findings were published in 24 scientific papers that appeared in highly respected, peer reviewed scientific journals and their results are summarized in this book.**

**The Holy Shroud of Turin was called the greatest relic in Christendom by Pope John Paul II.**



# The Shroud of Turin

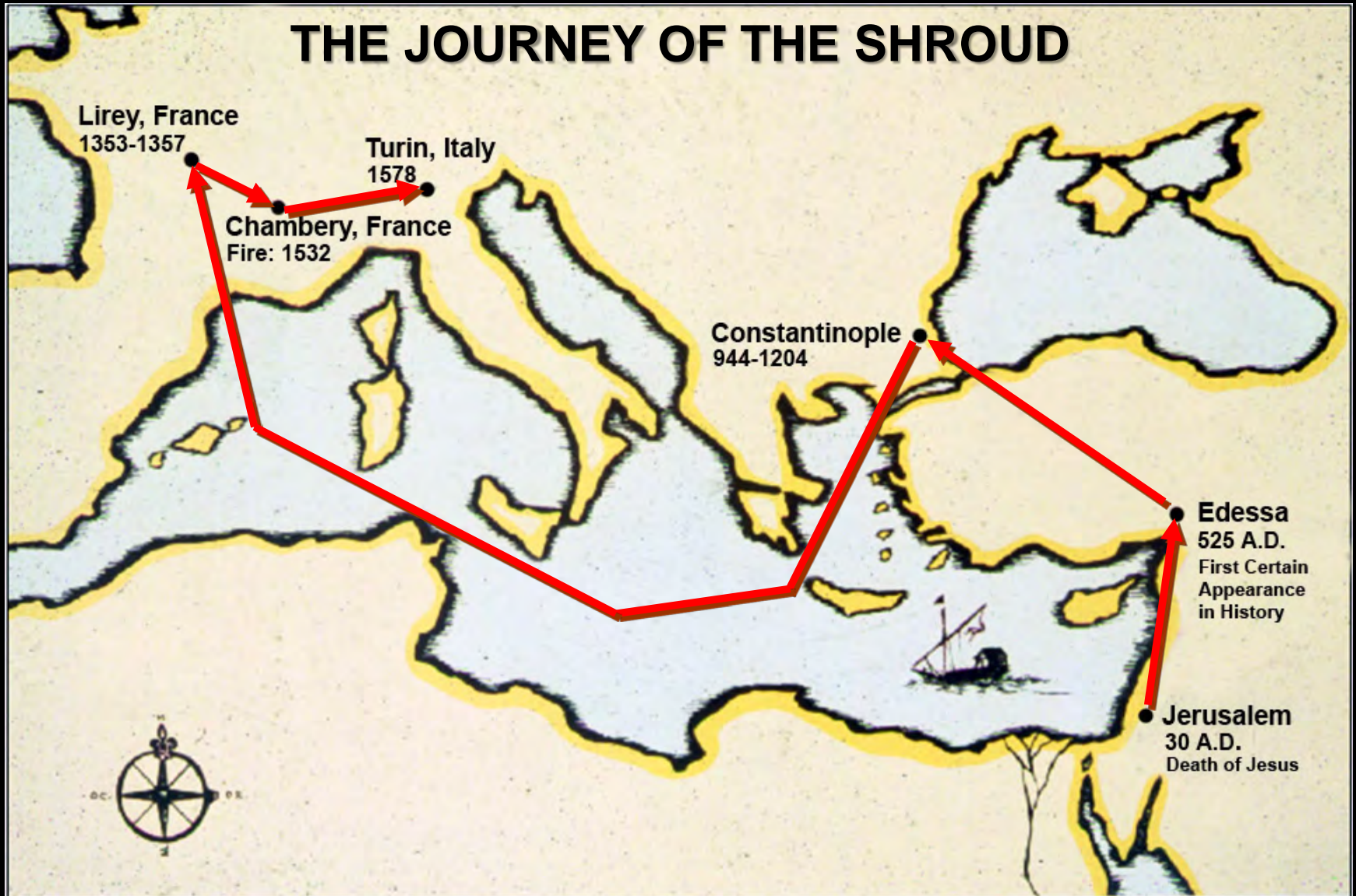


**The Shroud is permanently stored in the  
Cathedral of St. John the Baptist in Turin, Italy**





# THE JOURNEY OF THE SHROUD



Courtesy Professor Dan Scavone

**17<sup>th</sup> Century painting showing  
how the Shroud was wrapped  
around the body to create the  
head to head image**



**Giovanni Battista Della Rovere Painting - c. 1625**



## Natural Color

Face \_\_\_\_\_

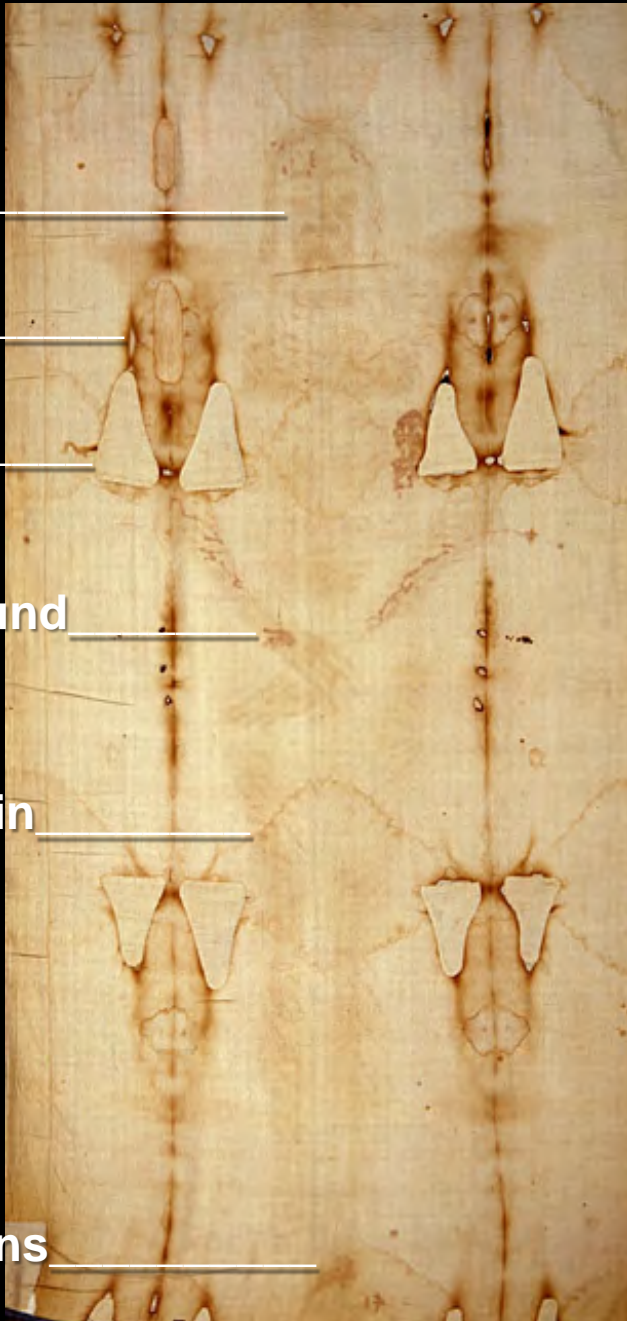
Scorch \_\_\_\_\_

Patch \_\_\_\_\_

Wrist Wound \_\_\_\_\_

Water Stain \_\_\_\_\_

Bloodstains \_\_\_\_\_



## As seen on a B&W Negative

Bloodstains

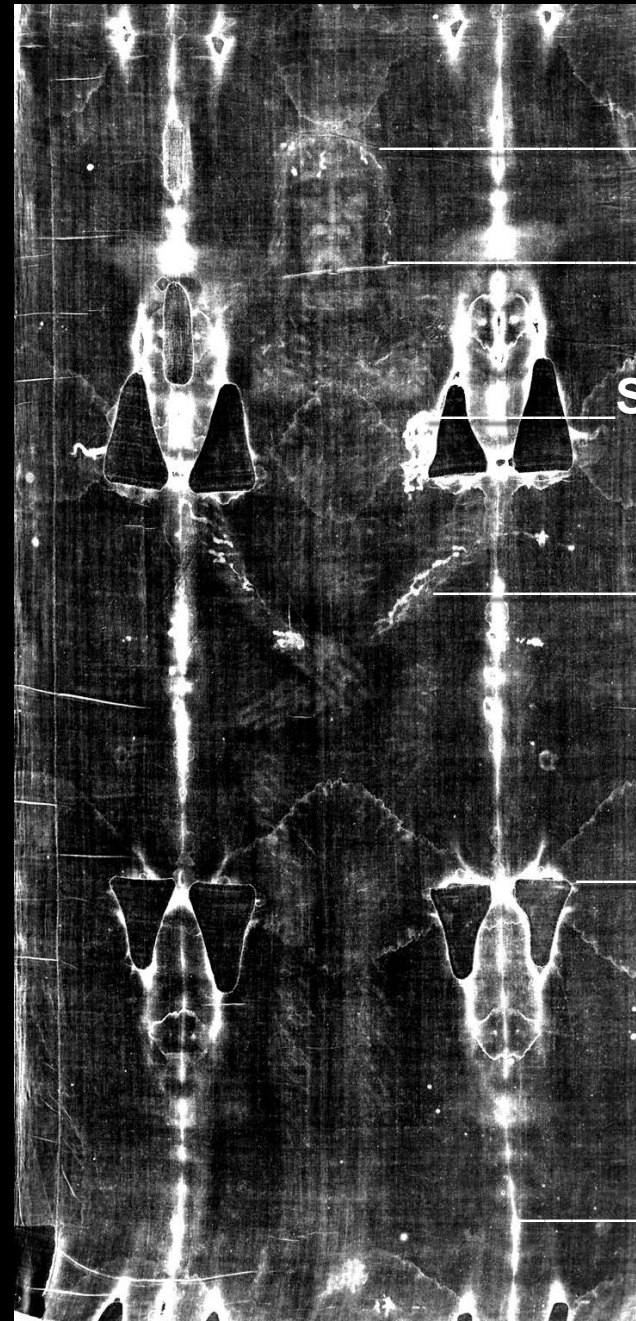
Crease

Spear Wound

Bloodstains

Patch

Scorch





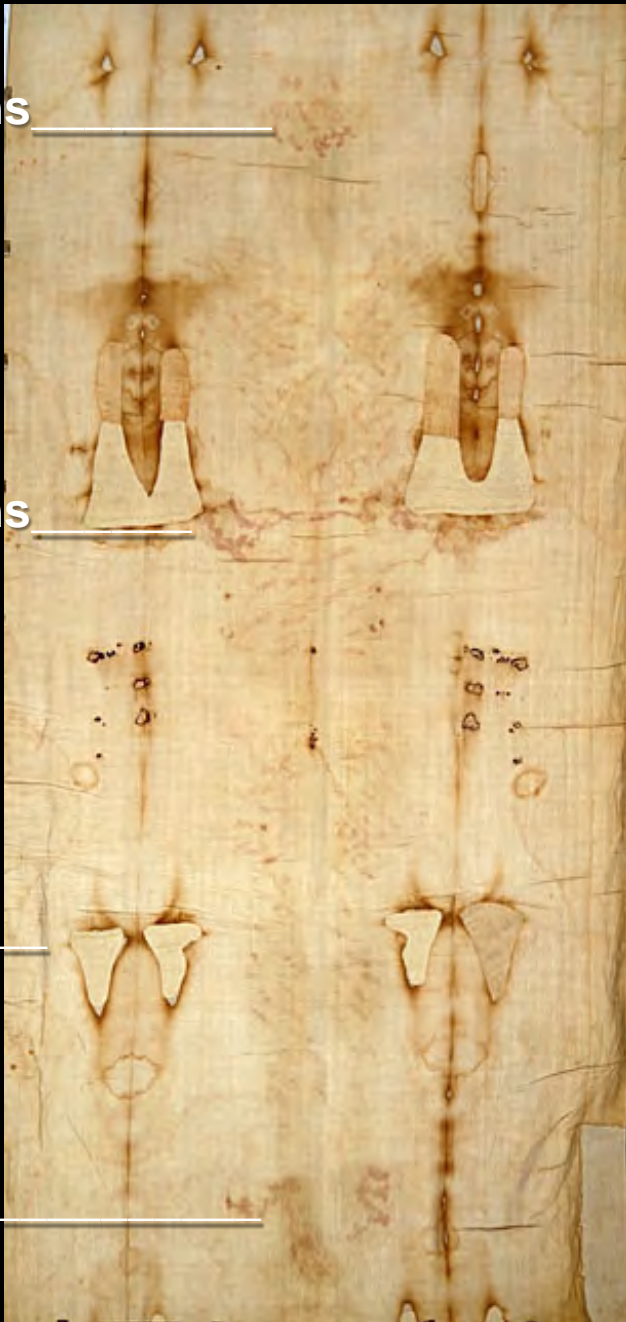
Natural Color

Bloodstains

Bloodstains

Patch

Footprint



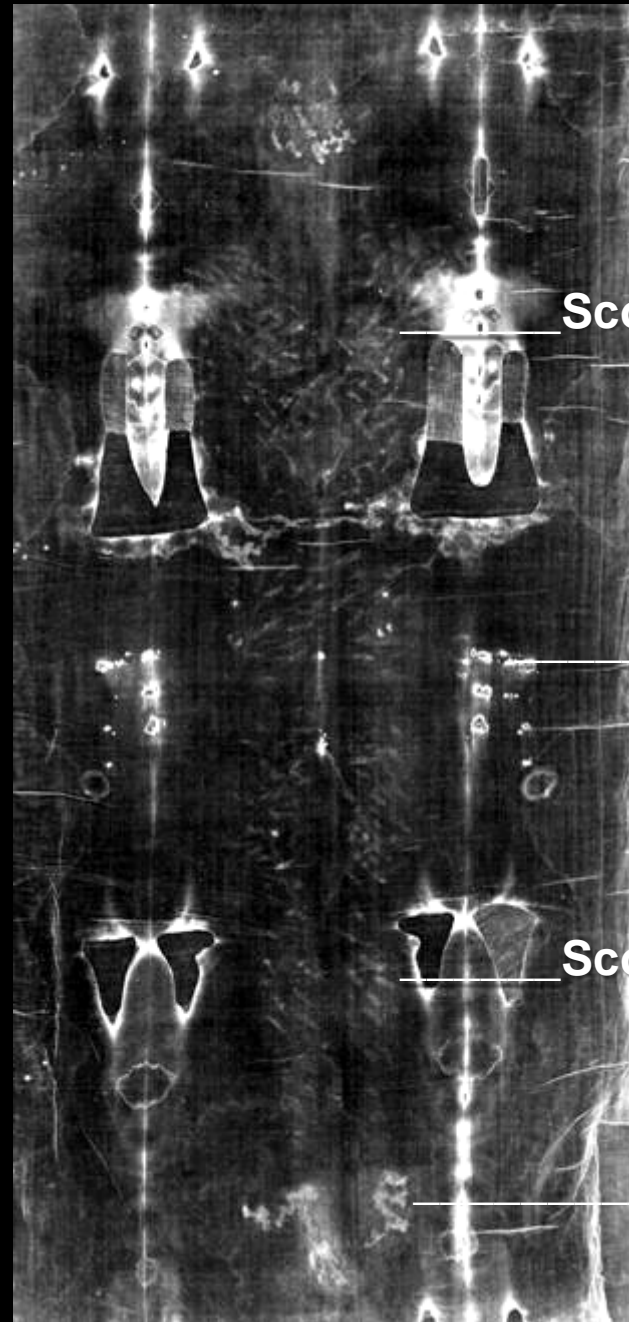
As seen on a B&W Negative

Scourge Marks

Burn Holes

Scourge Marks

Heel Blood





**In October 1978, a group of 24 American scientists and researchers known as the Shroud of Turin Research Project (STURP), spent five days and nights performing the first and only in-depth scientific examination of the Shroud of Turin in its history.**



# **Organizations represented within the Shroud of Turin Research Project (STURP)**

**Lockheed Corporation  
U.S. Air Force Weapons Laboratories  
Brooks Institute of Photography  
Harris County, Texas, Medical Examiner's Office  
Oceanographic Services Inc.  
University of Colorado  
Los Alamos National Scientific Laboratories  
IBM  
Western Connecticut State University  
Nuclear Technology Corporation  
Los Angeles County Museum  
St. Agnes Medical Center  
Oriel Corporation  
Rocky Mountain Thermograph  
New England Institute  
U.S. Air Force Academy  
Jet Propulsion Laboratory  
Sandia Laboratories  
Santa Barbara Research Center  
Barrie Schwartz Studios**

**Chosen solely for their scientific skills,  
STURP included atheists, agnostics, Jews and Christians**

**Textile experts established that the triple herringbone weave of the Shroud linen is consistent with fine, first century weaving**

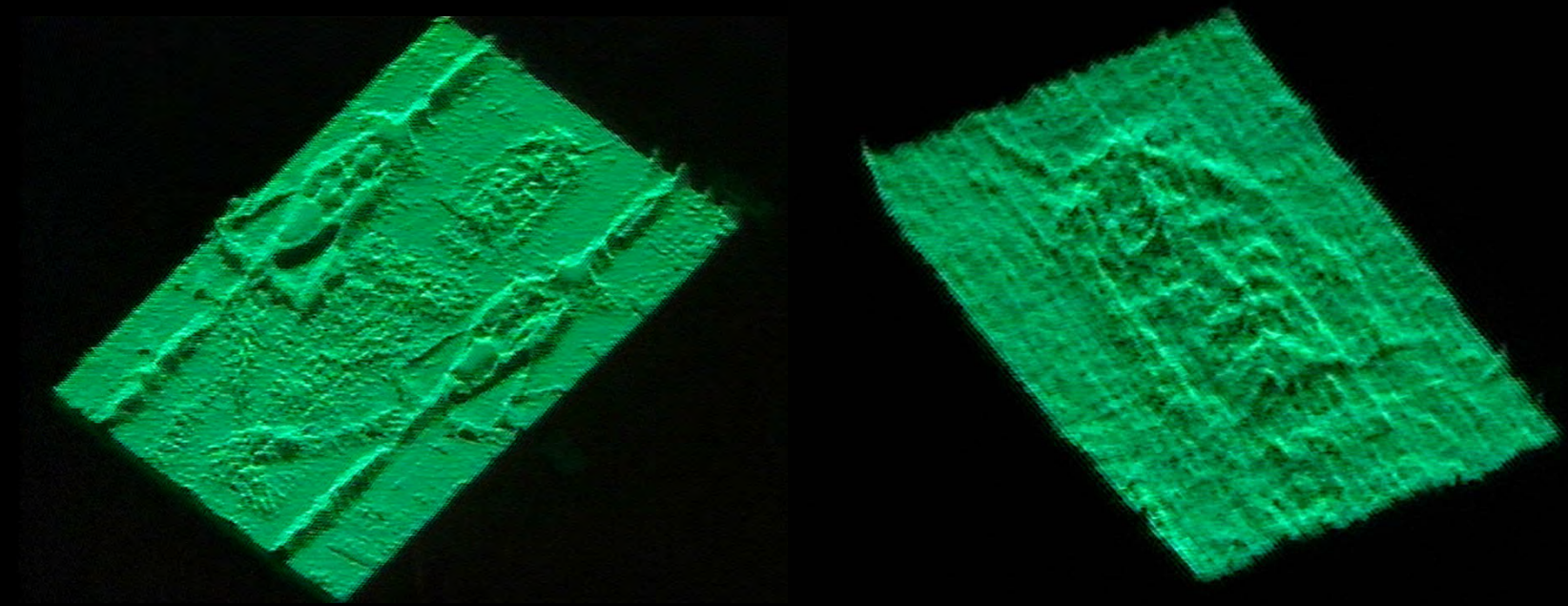


**©1978 Mark Evans Collection, STERA, Inc.**



## The VP-8 Image Analyzer

Visualizes the 3-D Properties of the  
Shroud Image on a TV monitor



Images Taken Directly from the VP-8 Screen

©1997 Barrie M. Schwartz Collection, STERA, Inc.



### Edge Enhancement (Photo-Relief)

**Darkroom Technique Used to  
Extract 3-D Image from Shroud**

**©2000 Aldo Guerreschi**



**Sculpture Based on the 3-D  
Properties of the Shroud Image  
Showing Body in Rigor Mortis**



**©2002 Luigi Mattei**

# 1978 STURP FINDINGS

**No pigments, paints, dyes or stains have been found on the fibrils.**

**X-ray, fluorescence and microchemistry on the fibrils preclude the possibility of paint being used for creating the image.**

**Ultra Violet and infrared evaluation confirm these studies.**

**Computer image enhancement and analysis by a VP-8 image analyzer show that the image has unique, three-dimensional information encoded in it.**

**Microchemical evaluation has indicated no evidence of any spices, oils, or any biochemicals known to be produced by the body in life or in death.**

**It is clear that there has been a direct contact of the Shroud with a body, which explains certain features such as scourge marks, as well as the blood.**





# 1978 STURP FINDINGS

Experiments in physics and chemistry with old linen have failed to reproduce adequately the phenomenon presented by the Shroud of Turin.

There are no chemical or physical methods known which can account for the totality of the image, nor can any combination of physical, chemical, biological or medical circumstances explain the image adequately.

The answer to the question of how the image was produced or what produced the image remains, now, as it has in the past, a mystery.

We can conclude for now that the Shroud image is that of a real human form of a scourged, crucified man. It is not the product of an artist.

(Quoted directly from the STURP Final Report - 1981)

STURP's data supported authenticity and was published in 24 different scientific papers, most of which appeared in highly respected peer reviewed scientific journals.





**Courtesy Dr. Frederick Zugibe**

**Frederick T. Zugibe, M.D., Ph.D. has studied the Shroud as if it were a crime scene for the last 50 years. He is recognized worldwide as a respected forensic pathologist and crucifixion expert.**

**Zugibe's extensive studies concluded:**

- Features and bloodstains on Shroud are natural, forensically accurate and indicate direct contact with a human body**
- Not applied by an artist's hand**



## **Zugibe Further Concluded:**

**Severe anxiety at Gethsemane caused “Hematidrosis,” i.e. Sweat became blood**

**“The scourging was particularly brutal.”**

**Crown of Thorns was in the shape of a cap, not a circlet. Caused “Trigeminal neuralgia,” i.e. “The worst pain that man is heir to. It is devastating and unbearable.”**

**“Shroud reflects blows to forehead, brow, right upper lip, jaw and nose.”**

**“Shoulder abrasions are consistent with injuries sustained while carrying the cross piece of the cross.”**

**“...there is little doubt that Jesus stumbled and fell numerous times before arriving at Calvary.”**

## **Zugibe Further Concluded:**

**“I find it extraordinary that he was able to make the trek to Calvary at all in the condition that he was in.”**

**“The nailing caused “causalgia” - an “...agonizing pain like lightning bolts traversing the arms and legs.”**

**“Cause of Death: Cardiac and respiratory arrest due to hypovolemic and traumatic shock, due to crucifixion.”**

**Zugibe also noted that the travertine aragonite dust taken from the bloody foot area of the Shroud was noted by Dr. Joseph Kolbeck and that Dr. Ricardo Levi-Setti of the University of Chicago compared the Shroud “dirt” to Jerusalem samples using a scanning ion microprobe of high resolution and found a very high match.**

**“In spite of the bleeding and brutality depicted in (Mel Gibson’s) movie, it is important to emphasize that Jesus actually suffered more than the movie depicted.”**



## The Sudarium of Oviedo

There is a second, related burial cloth known as the Sudarium of Oviedo.

It is the size of a handkerchief and has a unique pattern of blood stains that closely match those on the head of the Shroud.

The cloth was wrapped around the head of a crucifixion victim while on the cross, re-wrapped when body was in a horizontal position and remained in place while he was transported to a nearby location.

In 1989, a team of forty scientists concluded that : “It is clear that the two cloths must have covered the same corpse.” All agree that the Sudarium has been in Spain since 630 A.D. Thus the Shroud is older than that.



© Centro Español de Sindonologia



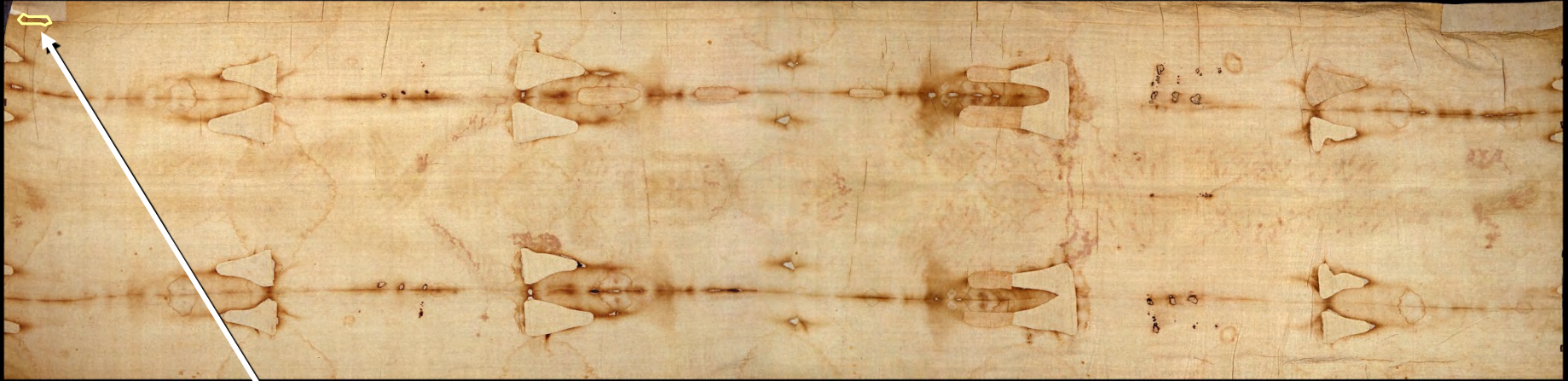


©1988 Telegraph Group Ltd., London

**Three labs performed independent carbon dating tests on the Shroud in 1988. They concluded the Shroud dated between 1260 and 1390 A.D., was medieval in origin and was therefore not old enough to have wrapped the body of Jesus. Their conclusion was generally accepted around the world.**



## However.....



**A single strip of only 1.2 cm x 8 cm (.47 in x 3.15 in) was removed from the Shroud for the Radiocarbon Dating in 1988. Only half of that was used and it was divided into three sections.**

**Prior to the radiocarbon dating of 1988, there was credible historical evidence that proved the Shroud was older than the earliest C14 date of 1260 AD.**

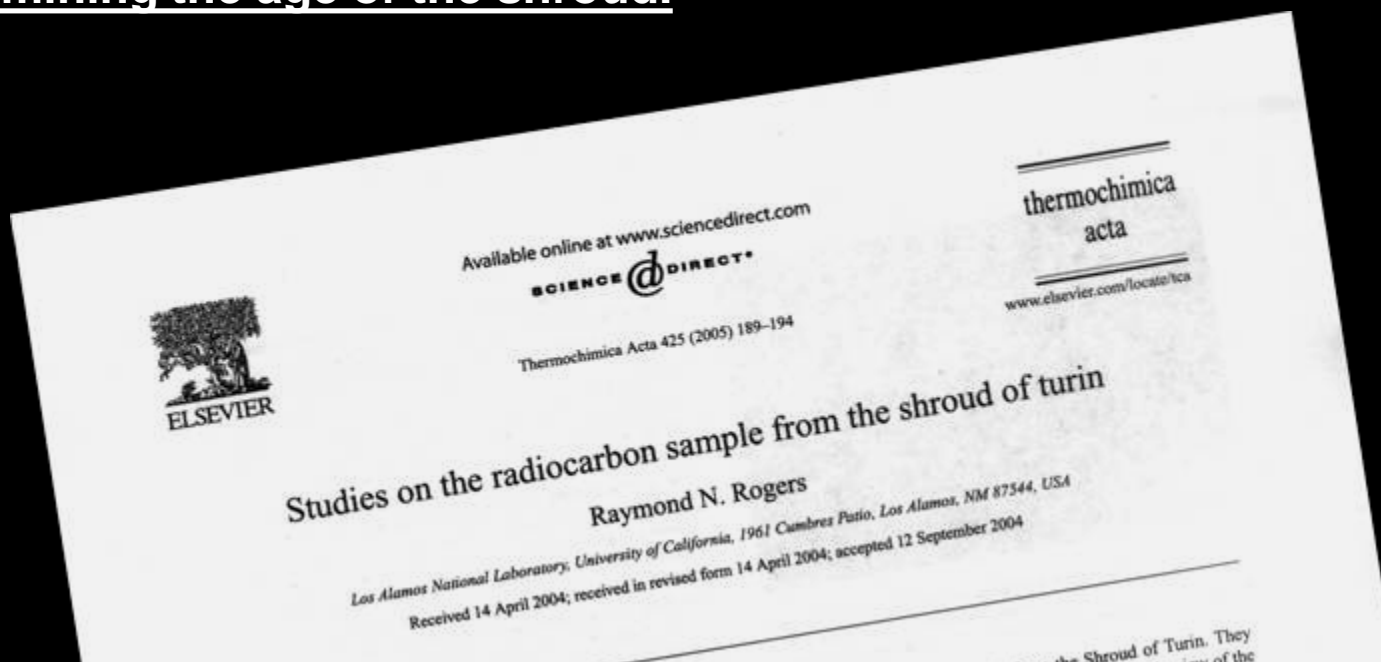
**Most scientists who had studied the Shroud rejected the radiocarbon dating of 1988, but did not know exactly what had gone wrong..... that is until 2005.**

**On January 20, 2005, a paper by Ray Rogers, leader of STURP'S Chemistry Group, was published in "THERMOCHIMICA ACTA," a highly respected peer reviewed scientific journal.**

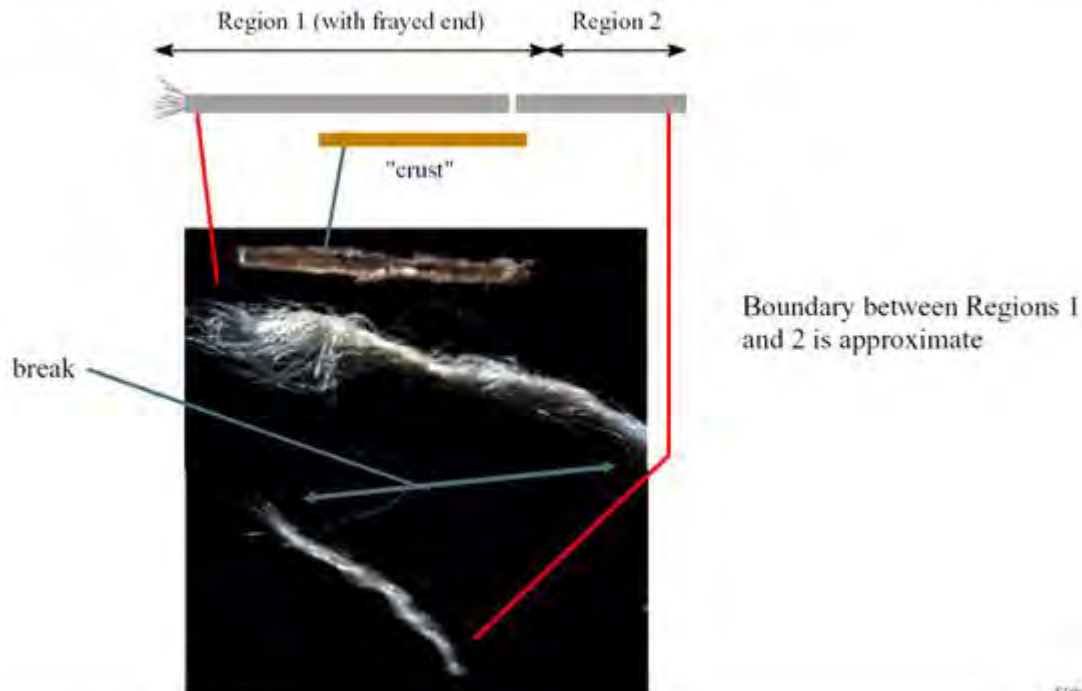
**The paper concludes:**

**The combined evidence from chemical kinetics, analytical chemistry, cotton content, and pyrolysis/mass spectrometry proves that the material from the radiocarbon area of the shroud is significantly different from that of the main cloth.**

**The radiocarbon sample was thus not part of the original cloth and is invalid for determining the age of the shroud.**



## The Splice Fiber Sample



©2008 Robert Villarreal - Los Alamos National Laboratory

**In August 2008, Robert Villarreal and a team of eight researchers from Los Alamos National Laboratory analyzed Rogers' samples and presented their results at the Columbus, Ohio, Shroud Conference. Their data further corroborated all of Rogers' conclusions.**





## THE CLOTH

A distinct, triple herringbone weave known to exist in 1<sup>st</sup> century, A.D.

And Joseph of Arimathea "...wrapped the body in a linen Shroud." Luke 23:53.

## THE "BLOOD"

- Blood on cloth prior to image - impossible to forge.
- Actual human blood in wounds of feet, wrists, side, scourge marks, head and brow.
- Human blood stays red **ONLY** as the result of severe, prolonged torture.
- Serum "halos" surrounding blood stains only visible with 20<sup>th</sup> century UV fluorescence photography.

## THE IMAGE

- Lights & darks reversed, like on a photographic "negative," only such image on earth.
- Encoded with 3-D information of body, only such image on earth.

## THE IMAGE

- Depicts a scourged, “crowned,” speared and crucified man, approximately 5 ft. 11 in. tall weighing approximately 175 lbs.
- Not a painting - image color insoluble in all 25 solvents tested.
- Not a scorch from a heated statue - does not fluoresce under UV illumination.
- Not a rubbing of iron oxide - image does not consist of iron oxide.
- Not produced by an artist.
- Not a medieval photograph - not produced by any light process.
- Not produced by bodily secretions.
- Body in rigor mortis - image created within forty- eight hours of death.
- A medieval forger would have needed to be an expert in biochemistry, medicine, anatomy, forensic pathology, photography and 3-D computer analysis.



## THE HISTORY

- The 1988 carbon dating sampled a rewoven area not representative of the main cloth and proved nothing about the Shroud.

- “L-shaped” burn holes and other Shroud landmarks are pictured in a manuscript documented from 1191.

- Historical support cited by Wilson and Scavone traced the Shroud back to the first century.

- Rare Shroud dirt from foot area matches Jerusalem samples.

- Once on the same body as the Sudarium of Oviedo - in Spain since 631 A.D.

- Treatment parallels Scriptural accounts of Jesus of Nazareth, including scourging (more severe than routine), beating (dislocated nose), piercing through side, leg bones not broken, bruises on shoulders (from carrying cross), wounded knees (from falling), nailing of hands and feet, mocking crown of thorns.

- The victim was buried, not devoured by animals as usual.



**THE  
FACTS**



## THE SCIENCE

- Science cannot duplicate the image.
- Science cannot even explain how the image was formed.
- In spite of those facts, ALL peer-reviewed scientific articles in the past 30 years support authenticity except for the C14 dating paper. However, those conclusions have now been set aside by many scholars, as they were apparently based on the use of an anomalous sample and were consequently incorrect.
- The facts stated above are all based on peer-reviewed science. Many scientific experts have therefore concluded that the state of the evidence since 2005 clearly establishes the authenticity of The Shroud of Turin.





**The Catholic Church has not yet officially declared whether the Shroud is the burial cloth of Jesus Christ or not.**

**Popes have said the following:**

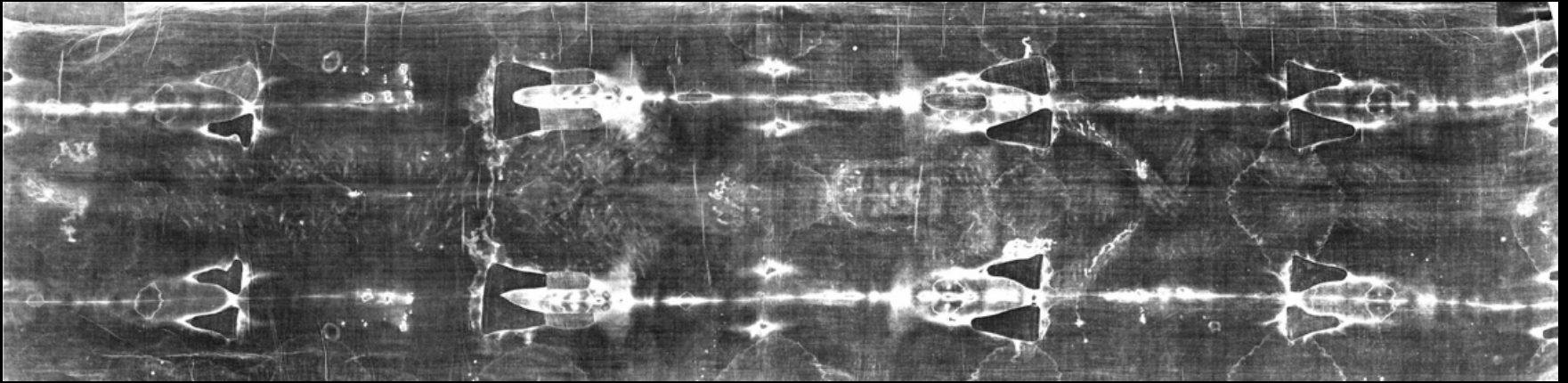
**“The Shroud of Turin offers us the image of how his body lay in the tomb during that time; time that was brief chronologically – about a day and a half – but was immense, infinite in its value and significance.” Pope Benedict XVI, May 2010**

**“The Shroud is a challenge to our intelligence. It first of all requires of every person, particularly the researcher, that he humbly grasp the profound message it sends to his reason and his life.” Pope John Paul II, May 1998**

**“Perhaps only the image from the Holy Shroud reveals to us something of the human and divine personality of Christ.” Pope Paul VI, June 1967**

**Between Pope Paul VI and Pope Gregory XIII (1582), nineteen other popes expressed their personal confidence in the authenticity of the Shroud.**

# A QUESTION



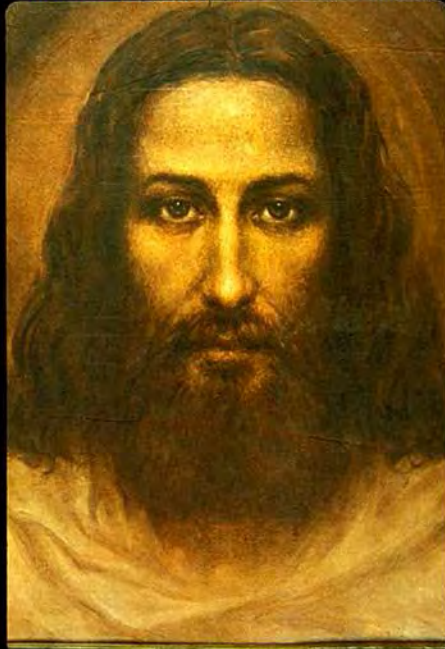
**If the Shroud is the burial cloth of Jesus Christ, why did he create it? Did he leave it for us...**

- **To strengthen our faith with physical evidence, like he did for doubting Apostle Thomas (*John 20: 25-27*) and like he did for the Apostle John at the tomb on Easter morning? (*John 20: 5-9*)**
- **To reconcile Faith and Reason by helping to prove the ultimate foundation of the Christian faith, i.e. the resurrection (*1 Corinthians 15:14*), through the science of forensics?**
- **To unite all people of all religions in His name as he intensely prayed for immediately prior to His passion? (*John 17:20*)**

**OR... was it simply to SHOW us how much he loves us?**



Ariel Agemian Painting Based on Shroud circa 1935



Courtesy Confraternity of the Precious Blood

**WHY DO  
YOU THINK  
HE DID IT?**