

Recently Published Papers & Articles

December 5, 2022

Medieval artists, Anachronisms and the Shroud of Turin by **Pam Moon** – *Academia.edu* – November 18, 2022 – Here is the introduction: “Could an artist have created the Shroud of Turin in the Middle Ages? This paper suggests it would not have been possible. Given the existing technologies, they would not have had the foresight. Using the image Thamar and Apprentice from the manuscript *De Cleres et Nobles Femmes* by Giovanni Boccaccio (1361-62), the paper examines the knowledge base of medieval artists and argues they would not have made an image which is a photographic negative or one which has three-dimensional properties. To suggest otherwise is anachronistic.”

Image Formation Hypotheses Pertaining to the Shroud of Turin – an English-Language Bibliography by **Joseph G. Marino** – *Academia.edu* – November 16, 2022 – Here is an excerpt from the introduction: “...This article will list citations in separate sections for papers/articles: *1) that propose one or more radiations as a cause for the images *2) that deny that radiation could be the cause *3) that propose pro-biochemical effects as a cause for the images *4) that entail miscellaneous pro-authenticity hypotheses that don't involve radiation *5) anti-authenticity (artistic) hypotheses...”

APPENDIX TO: Raymond Rogers' Communications to the Shroud Science Group on the Anomalous Nature of the C-14 Corner by **Joseph G. Marino** – *Academia.edu* – November 14, 2022 – Here is the introduction: “I recently published “Raymond Rogers' Communications to the Shroud Science Group on the Anomalous Nature of the C-14 Corner.” In it, I highlighted material in an unpublished expanded paper of a published paper co-authored by multiple members of the online “Shroud Science Group” In the Epilogue, I stated that I would eventually publish detailed postings made by Ray Rogers on the C-14 corner. This appendix contains those postings.”

Visualization of Plasma and Serum Pattern Formation in Drying Drops of Blood by **Kelly P. Kearse** - *ARC Journal of Forensic Science*, Volume 6, Issue 1, 2022, PP 1-5 – November 11, 2022 – Here is the abstract: “Whole blood is a colloidal suspension consisting of ~55% liquid plasma and ~ 45% cellular components. A thorough understanding of drying blood drop pattern formation is important in forensic applications involving the blood of a murder victim or suspect. Previous studies on drying blood drops have focused on the movement of the blood cellular portion, or on plasma that has been physically separated from whole blood; however, no analyses have been performed to evaluate the movement of plasma within whole blood during this process. The current study utilizes ultraviolet light 365 (UV 365) to monitor the migration of plasma in drying blood on both glass and skin. These data show that a distinct sequence of events occurs in the movement of plasma within drying whole blood and provide the first specific visualization of this process.”

Raymond Rogers' Communications to the Shroud Science Group on the Anomalous Nature of the C-14 Corner by **Joseph G. Marino** – *Academia.edu* – November 7, 2022 – Here is an excerpt from the introduction: “I recently published an article titled, “Raymond Rogers' Explosive Studies of the Turin Shroud.” That article focused on emails that Rogers had sent to my late wife Sue Benford and me regarding the sample used for the 1988 C-14 dating, which he believed was not valid to determine the Shroud's age, as shown as in his 2005 paper in the peer-reviewed journal *Thermochimica Acta*. In late 2002, an online group called the “Shroud Science Group” (SSG) was formed. Rogers was a member of the group. His postings to the group provided a preview to group members what would be revealed in his 2005 paper...”

[Perfumes and Pollens on the Shroud - Scientific and Religious Approach](#) by **Rosanna Callipari, Giuseppe Gentile and Giovanni Fazio** – *Global Journal of Archaeology and Anthropology* – **Juniper Publishers** – November 4, 2022 – Here is an excerpt from the introduction: “...The Shroud of Turin is one of the many riddles scientists and technicians have eagerly faced, an enigma many await to be unraveled: is the linen a real burial sheet? Among scientists there is no uniformity, and it has been so for over 100 years. Therefore, it is necessary to know if burial ointments were sprinkled over the corpse...”

[On Nicolotti, the Flagrum and the Shroud](#) by **William Meacham** – *Academia.edu* – November 3, 2022 – Here is the online description: “Commentary and critique of Nicolotti's essay on the Roman flagrum and its relevance to the Shroud.” [**Editor's Note:** This is the author's critique of the 2017 paper by Italian historian and noted Shroud skeptic, **Andrea Nicolotti** titled, [The Scourge of Jesus and the Roman Scourge: Historical and Archaeological Evidence](#)].

[Raymond Rogers' Explosive Studies of the Turin Shroud](#) by **Joseph G. Marino** – *Academia.edu* – November 1, 2022 – Here is an excerpt from the introduction: “The late Ray Rogers was the head of the chemistry group for the 1978 Shroud of Turin Research Project (STURP), which studied the cloth for five days around the clock and concluded that the image was not the product of an artist. Rogers' resume is impressive. The “Explosive” part of the title is an allusion to part of the resume, which states, “Major research interests were explosives safety, super-energy explosives, low-intensity conflict (non-violent war), energy resources, applications of chemical methods (primarily thermal) to the study of archaeological samples, and application of chemical science to intelligence operations...”” Also available is an [online discussion page](#) with the author.

[Into the Lion's Den](#) by **Barrie Schwartz** – *Shroud.com* – October 24, 2022 – Here is the Prologue to the article: “In a recent article titled, “Dr. Walter McCrone's Research on the Shroud of Turin Under a Microscope,” (see below), Joe Marino, one of the most prolific Shroud scholars of modern times, briefly mentioned an interesting event that I participated in back in 2002, which I had originally described to him in a phone conversation. Upon reading his article, I realized there was a lot more to the story that should be told, so I decided to write this article and include all the details (for the historical record). So thank you Joe for providing me with the incentive to do so.”

[Case Study: The Shroud of Turin – Iconic Relic or Fake? The Role of Raman Spectroscopic Analysis in Its Forensic Appraisal](#) by **Howell G. M. Edwards, Peter Vandenabeele and Philippe Colomban** - *Raman Spectroscopy in Cultural Heritage Preservation*, pp 439–452 – October 14, 2022 – Here is an excerpt from the abstract: “One of the most important linen textile specimens to be subjected to scientific analysis is unquestionably the Shroud of Turin, which is believed by many to have been the burial cloth of Jesus Christ in which He was placed in the garden tomb following His crucifixion. Intense periods of multidisciplinary scientific activity over approximately 40 years, including a radiocarbon dating of 1260–1390 CE with a mean value of 1325 +/- 65 in 1989, which unequivocally placed the linen manufacture in the mediaeval period, has resulted in an acrimonious and highly controversial furor of debate and division of opinion between the protagonists. Some believe that it is a fake and there are those of a contrary opinion who believe that the radiocarbon date is incorrect and that the artefact is genuinely the burial shroud of Christ...”

[Dr. Walter McCrone's Research on the Shroud of Turin Under a Microscope](#) by **Joseph G. Marino** – *Academia.edu* – October 12, 2022 – Here is the introduction to the article: “This article examines the work on the Shroud of Turin by the late microscopist Dr. Walter C. McCrone. Some scientists and other researchers found his competence and integrity suspect. The repercussions of the various facts and opinions gathered about McCrone are considered.”

[The Pontifical Academy of Sciences' Controversial Involvement in the Turin Shroud's C-14 Dating](#) by **Joseph G. Marino** – *Academia.edu* – October 8, 2022 – Here is an excerpt from the introduction: “The Pontifical Academy of Sciences is the Pope's scientific advisory body, which promotes the progress of the mathematical, physical, and natural sciences as well as the study of related epistemological issues. However, many people knowledgeable about the Turin Shroud are unaware of its involvement in the controversial 1988 C-14 dating of the Shroud. This article will document their enigmatic role in the whole affair...”

[The long journey of the Turin Shroud retold by DNA](#) by **Gianni Barcaccia** – *Researchgate.net* – October 2022 – Here is an excerpt from the article: “...As part of a research project financed by the University of Padua, samples of genomic DNA isolated from organic residues of various origins were analysed. These came from dust aspirated in 1978 from the back of the Shroud, in correspondence with different parts of the body image, and from portions taken from the side edge used in 1988 for radiocarbon dating of the Shroud. The experimental procedure consisted of several phases based on specific protocols for sequencing specific genes and intergenic regions of the chloroplast DNA (from plant species) and mitochondrial DNA (from animal and human origin), in order to identify the presence of environmental and individual contaminations from any form of organism which came into contact with the Shroud over the centuries...”

[Long-Term Temperature Effects on the Natural Linen Aging of the Turin Shroud](#) by **Liberato De Caro, César Barta, Giulio Fanti, Emilio Matricciani, Teresa Sibillano and Cinzia Giannini** – *Information Special Issue - Techniques and Data Analysis in Cultural Heritage* – September 28, 2022 – Here is an excerpt from the abstract: “In 2021, Wide-angle X-ray Scattering (WAXS) was applied to a sample of the Turin Shroud as a new method for dating ancient linen threads by inspecting their structural degradation. The major result of the research was to estimate the natural aging of the linen of the Shroud, through which it was found to be compatible with the hypothesis of a 2000-year-old relic, and not a medieval fabric. The present work regards the theoretical natural aging of the linen versus different alleged historical–geographical paths of the Shroud through cities where the presence of icons of Jesus Christ is attested...”

[Ultraviolet fluorescent detection of elevated bilirubin in dried blood serum](#) by **Kelly P. Kearse** – *Journal of Forensic Science and Research* – September 23, 2022 – Here is the summary: “Increased levels of bilirubin in blood serum may result from numerous physical conditions including hepatitis, cirrhosis, enzyme deficiency, drug reactions, autoimmune disorders and physiological trauma. No presumptive test for high bilirubin levels in blood serum stains currently exists, which could prove useful in the assessment of crime scenes involving victims with one of the above disorders. Here, the use of ultraviolet 365 (UV 365) is described as a simple, nondestructive method for the detection of blood serum containing elevated levels of bilirubin.”

[Could the VUV Radiation Yield the Shroud Body Image?](#) by **Giovanni Fazio** – *Global Journal of Archaeology & Anthropology* – September 13, 2022 – Here is an excerpt from the abstract: “We investigate the Vacuum UV radiation with the aim to understand if a radiative mechanism is able to

produce the Shroud Body Image. The ENEA team showed that a radiation (with $\lambda = 193$ nm) penetrated the linen fibrils for about 200 nm (the primary cell wall) as it is for the Shroud. The inner part remained colorless. With the same radiation, the above scientists obtained a latent Shroud-like coloring with the right hue...”

[The Rev. H. David Sox: His Intriguing Role in the Shroud's C-14 Dating](#) by **Joseph G. Marino** – *Academia.edu* – September 2, 2022 – Here is the online introduction: “This article examines the role of England-based American Episcopalian priest H. David Sox, who, after initially leaning toward the Shroud being authentic, quickly changed to believe that the Shroud was a forgery. It expands on the views of three other Shroud researchers' suspicions toward Sox. His self-insertion into the proposed C-14 dating of the Shroud and his interactions with several other key figures in the process are analyzed. While few solid answers are attainable, many key questions about Sox's involvement and possible implications are considered.”

[Injuries to the Hands of the Man of the Shroud](#) by **Dr. Andrew Husselbee** with **Pam Moon** – *Academia.edu* – May 27, 2022 – BSTS Shroud Conference, Brewood – Here is the introduction: “Dr Andrew Husselbee BA, BM, BCh (1986 Oxford) DA, MRCP did his medical training at Oxford University and worked as a doctor in Nigeria. For years now he has been the highly respected senior partner at Brewood Medical Surgery. When the exhibition of the Shroud of Turin was in Brewood in 2017, I had written that there are no thumbs on the Shroud because of median nerve damage. Andrew challenged that. We would like to explore the injuries to the hands of the Man of the Shroud in a question and answer format...”

[Editor's Note: The following are some older but important articles that we felt should be included in our archives]:

["He Saw and Believed!" Is the Shroud of Turin in the Background of John's Resurrection Narrative? \(John 20:1-10\)](#) by **Larry Stalley** – *Academia.edu* – 2020 – Here is the introduction: “The author of the Fourth Gospel spends ten verses telling the opening story about what the disciples first discovered on the morning of the Resurrection. Much of that narrative focuses on the funeral linens left behind in the empty tomb. Concerning those linens, we are told that the apostle John "saw and believed." This paper will analyze this passage and strive to discern what exactly the writer intended for his readers to understand. Since this author believes the scientific 2 and historical 3 evidence for the Shroud of Turin is more than enough to conclude it is the authentic burial cloth of Jesus, he will explore the possibility of this text being a veiled reference to that Shroud.” **[Editor's Note:** This paper will be archived in the **[Religion & Philosophy](#)** section of the site].

[On the Possible Whereabouts of the Shroud in Post-Resurrection Times](#) by **Vlad Protopopescu** – *Academia.edu* – 2020 – Here is an excerpt from the introduction: “From the very beginning the linen wrappings in which the Christ has been laid down in the tomb have been viewed as material evidence of the Resurrection. The Gospel of Saint John (20, 3-9) tells us that “the other disciple, whom Jesus loved” reached the empty tomb ahead of Peter, “bent over and saw the linen wrappings, but he did not go in”. Peter saw that the linen wrappings lying there and the cloth which had been round Jesus' head lying apart rolled up by itself. “Then the other disciple, who had reached the tomb first, also went in; he saw and believed...” **[Editor's Note:** This paper will be archived in the **[Religion & Philosophy](#)** section of the site].

[The Holy Shroud of Turin, the Sudarium of Oviedo, the Eucharistic Miracles and AB Blood Group](#)

by **Pam Moon** – *Academia.edu* – 2020 – Here is the introduction: “The Holy Shroud of Turin, the Sudarium of Oviedo and multiple Eucharistic miracles (Lanciano, Buenos Aires, Tixtla, Cúa, Sokółka and Legnica), have the same blood group: AB. This is an extraordinary co-incidence. In ancient Israel, archaeologists have discovered that AB was the most common blood-group, but across the worldwide population today it is rare. Based on modern-day frequency of AB in the population (5.5%), the probability of the same blood group being found in the Shroud of Turin, the Sudarium of Oviedo and the six Eucharistic miracles mentioned above is in the order of 22 billion to one. The obvious explanation is that the blood all relates to the same person, Jesus Christ. This paper follows on from the work of Kelly Kearse, adding more details about individual Eucharistic miracles.”

[The Kuznetsov Dossier Part 1: Dmitry Kuznetsov, the Imaginary Scientist](#) (2013 updated translation)

by **Gian Marco Rinaldi** – The original Report was published in Italian in 2002 – Here is the introduction: “In autumn 2000, while I was conducting a critical review of studies on the Shroud of Turin, I got in touch by mail with Dmitry A. Kuznetsov, a Moscow biochemist who in recent years has been a champion of the cause of the “sindonologists” (the supporters of the authenticity of the Shroud, a relic which they suppose to be the burial cloth of Jesus). After the linen of the Shroud has been radiocarbon dated in 1988 and assigned to the Middle Ages, he claimed to have experimentally demonstrated that the radiocarbon date was wrong and that the relic could actually be more ancient and could date from the time of Christ. He stood out, among other sindonologists, for having published his experimental reports, between 1994 and 1996, in high level scientific journals.”

[The Kuznetsov Dossier Part 2: Fraud in Experimental Reports](#) (2013 updated translation) by **Gian**

Marco Rinaldi – The original Report was published in Italian in 2002 – Here is the author’s foreword: “I present the results of an inquiry I have conducted about presumed cases of fraud in experimental reports published by the biochemist Dmitry A. Kuznetsov. It shall always be understood that when speaking of a possible fraud, we refer only to what is defined as “scientific fraud,” i.e. a behavior that, save for exceptions, is not liable to criminal prosecution.”