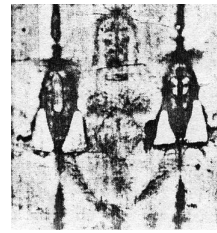


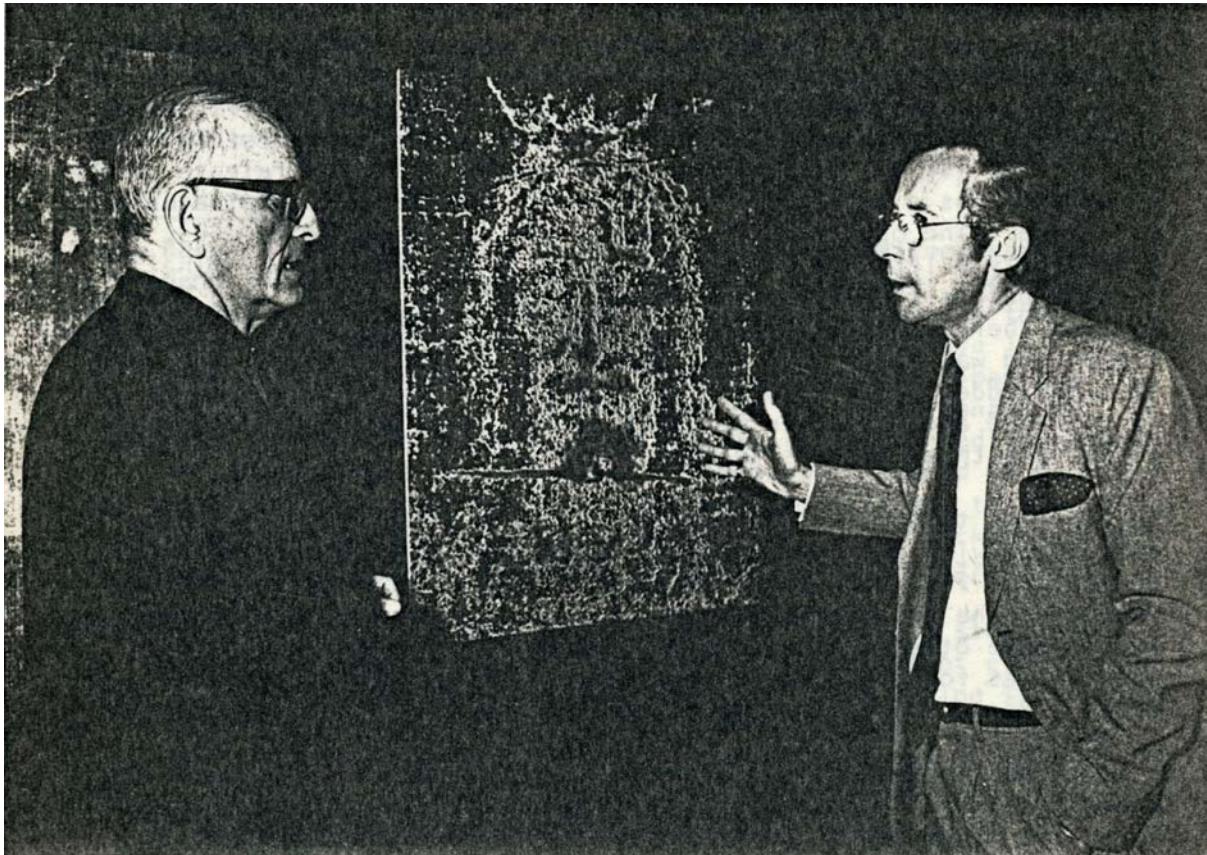
SHROUD NEWS

A NEWSLETTER ABOUT THE HOLY SHROUD OF TURIN
By REX MORGAN - Author of PERPETUAL MIRACLE



Issue No. 7

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FATHER ADAM OTTERBEIN, President of the Holy Shroud Guild, and author REX MORGAN discussing one of the colour computer-enhanced photographs of the Holy Shroud of Turin at the Brooks Institute of Photography, Santa Barbara, California, during the official opening of the STURP team visual data exhibition on Good Friday 1981

PHOTO: JOHN LEWIS, Brooks Institute, Santa Barbara, California

EDITORIAL

Readers of SHROUD NEWS must have thought that the newsletter had gone out of existence and I apologise for the lack of issues during April and May this year. I mentioned in the last editorial that I would be well employed during April for the fortnight before Easter with a series of public lectures on the Holy Shroud in conjunction with the showing of the film THE SILENT WITNESS and this prevented me from compiling an issue that month.

The time problem was compounded when I received, through Father Adam Otterbein, President of the Holy Shroud Guild in New York, an invitation to go to California for the official opening of the first public exhibition of photographs taken by the Shroud of Turin Research Project Inc (STURP) at Turin in 1978 together with the release of new information as a result of the scientific studies done at that time and since. The opportunity was one I was not prepared to miss. Accordingly I left for California within a few hours of my final lecture before Easter to be in Santa Barbara on Good Friday. What I learned there, the interviews I attended and conducted, the photographs I took and was given, the many members of the STURP team I met, all this has added greatly to the information for my next book on the Holy Shroud and has given me a vast amount from which to draw upon to share with my readers in SHROUD NEWS.

In addition to meeting about a dozen of the scientists and others associated with the STURP project in California I went to Chicago to meet and interview Father Francis Filas, I spoke again with Joy Pagano of the British Society for the Turin Shroud in London and later, during some other business in Belgium which takes me there every year, I was fortunate enough to secure an hour with Professor Gilbert Raes, the world-famous textile expert at Ghent University.

I have thus increased my library of Shroud material in the past few weeks by literally dozens of photographs, articles, scientific papers, sound and video tapes, books and newspaper items and have met many of the people whose work has been cited in SHROUD NEWS.

I hope that this issue, in which I begin the story of the California visit, and the succeeding ones now in preparation will more than make up for the two months silence. Thank you for your patience.

REX MORGAN

SANTA BARBARA AND THE HOLY SHROUD -- a report by REX MORGAN

California is a beautiful place. I arrived in San Francisco from Hawaii and Sydney in the evening of Maundy Thursday several hours before I had left Sydney the same day. Impressed by the legendary hospitality and welcoming nature of Californians, if not most Americans, I connected with a commuter airline to fly over (just over) the mountain ranges between San Francisco and the southern part of California to arrive in Santa Barbara at about midnight. Having taken the only taxi at the Spanish style airport to my hotel and having eaten well at one of the numerous all-night eating establishments which exist on every highway and in every town and city in the vast United States, I rested before the great event scheduled to take place on the following day, Good Friday, 1981.

Spanish origin

Santa Barbara was discovered in 1602 by a Spanish galleon seeking safe anchorage from a storm and was named by a thankful Carmelite monk who was a passenger in the ship. Later settlement by the Spanish and subsequent rule by Mexicans and Americans have left their mark all over Santa Barbara. Most placenames are Spanish, most of the architecture is Spanish and many of the inhabitants are of Spanish and Mexican descent. The climate is not un-Mediterranean and Santa Barbara is a well-known holiday mecca but seemed to be far less commercialised than one might have expected (if one thinks, for example, of such places as the Gold Coast, Manly or Blackpool with their ice-creams, public lavatories and materialistic razzamatazz).

Santa Barbara boasts a number of fine quality shops and stores both big and small, a large number of excellent restaurants of every style, efficient taxi services, good hotels, numerous fine state and private schools and institutions, magnificent scenery, public telephones which work, beautifully laid out streets and delightful houses. There are two major institutions with which I came into contact on this visit for Holy Shroud purposes.

Father Otterbein

The Santa Barbara Mission was established by the Roman Catholic Church in 1786 on the feast day of Saint Barbara and is a vast Spanish-style mission and church which today houses many members of religious orders and visiting priests, whatever their business may be in Santa Barbara. It is said that Santa Barbara never really

developed in a fully American style because the Spaniards kept it looking and feeling like Spain. The Mission is no exception. The President of the Holy Shroud Guild of New York, Father Adam Otterbein was staying at the Mission and we met on Friday afternoon for the first time in person. This remarkable man, who has championed the cause of the study of the Holy Shroud of Turin for more than a generation and who had only a month or two before undergone cardiac bypass surgery, was bounding about with energy and enthusiasm for the occasion which had brought both of us and many others to this beautiful Southern Californian city.

Carbon Dating

We spent a couple of hours discussing all the latest developments in the Shroud saga with Otterbein giving me all kinds of advance information about the function we were to attend that evening and a brief outline of the people I would be meeting. Even as we sat in his room a newspaper reporter telephoned from Rochester to discuss with the good father a wire story from Turin which seemed to imply that the authorities had that day given permission for carbon dating tests to be carried out on the Shroud forthwith. It seems that this information had been misconstrued from a statement made in Turin and whilst we all know that the Church is willing for the tests to be done eventually there has been no specific approval yet given until the obvious requirements of a foolproof modus operandi has been presented by several independent, reputable and competent laboratories.

Otterbein speculated with the journalist and with me that a Vatican Commission might have agreed in principle to the plan and that this was a step along the way to enable Cardinal Ballestrero to agree to the specifics in due course.

Shroud News

Our conversation ranged over the McCrone controversy and Father Otterbein did me the courtesy of saying that he gained much information which he did not otherwise obtain from reading SHROUD NEWS. He repeated this statement later in the weekend in the presence of several other key figures in the study of the Shroud and it seems that SHROUD NEWS sources, which are world-wide, and its (normally) quick production and circulation enable us to be a useful clearinghouse for information from and to the rest of the world, even from so remote a location as Australia.

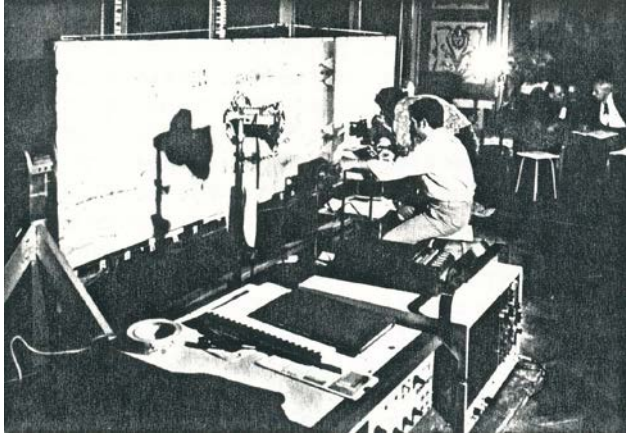
Visual Data Exhibition

Father Otterbein had arranged for me to be invited to the official opening of the first public exhibition of visual data from the scientific studies conducted in Turin in October 1978. At that time the team of some thirty American scientists had been allowed, after the 1978 Exposition of the Holy Shroud, to gather in the Royal Palace adjacent to St John's Cathedral and spend five days and nights using one of the most remarkable arrays of scientific instruments ever assembled in Turin and perhaps ever assembled in history for one intensive scientific study of one archaeological item. The scientists, from every advanced technological discipline, took samples and photographs upon which they were to work for the next few years in order to try to solve some of the mysteries of the Holy Shroud. We have already read the results of some of these tests over the past year or so, and several important scientific papers have already been published and commented upon in such publications as SHROUD NEWS. We have also read such articles available to the general public as Ken Weaver's in the National Geographic of June 1980 which reported some of the progress and showed several of the photographs of the STURP team at work.

The principal photographers at the Turin congress were Vernon Miller and Barrie Schwartz of the Brooks Institute of Photography in Santa Barbara, California. It was now in April 1981 that the Brooks Institute itself was to sponsor the first public exhibition of some of the highly advanced and technical photographs taken in Turin and photographs of the team at work on the project. Many members of the team were scheduled to be present and Dr John Jackson would have a VP8 Image Analyser on display and working.

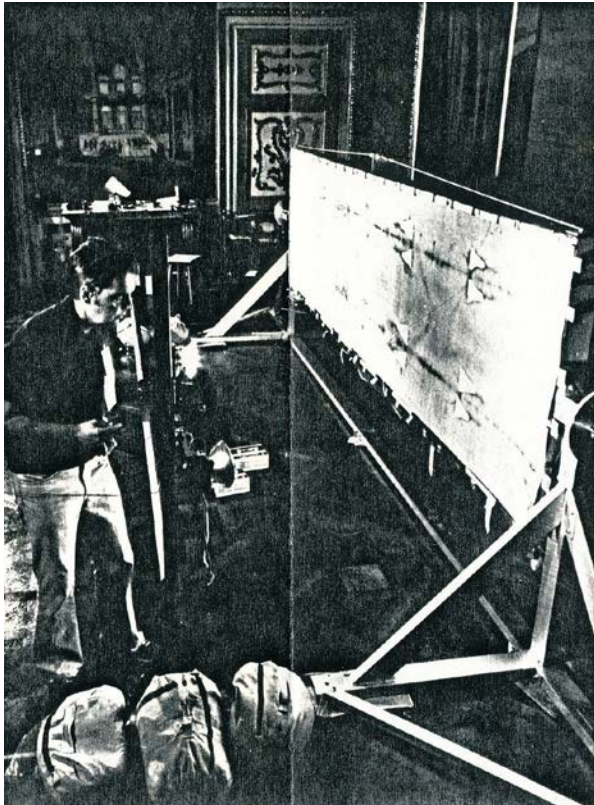
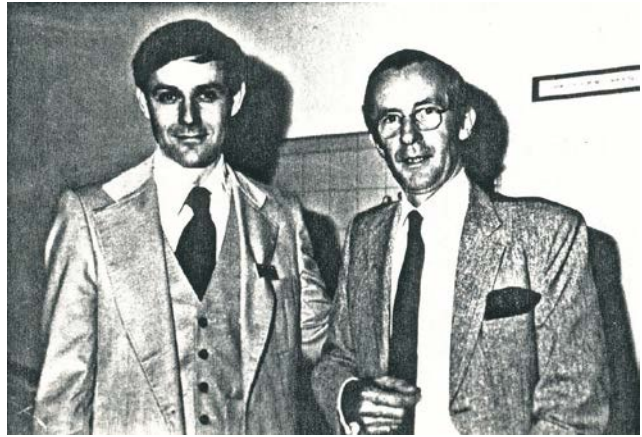
The Brooks Institute

More than a generation ago Ernest H. Brooks founded the Brooks Institute School of Photographic Art and Science. Today, under its genial President, Ernest H Brooks II, the Institute spreads over three separate campuses, Montecito, Riviera and Jefferson and houses classrooms and laboratories, residential facilities, exhibition galleries and one of the largest photographic libraries in the world, all set in surroundings of architectural and landscaping genius which combine the unique characteristics of the Santa Barbara environment with the American capacity for superb planning and aesthetic brilliance.



Left: Members of the scientific investigation team set up complex equipment in the Royal Palace at Turin in October 1978 PHOTO: Brooks Institute of Photography

Right: US Air Force Academy Dr JOHN JACKSON with author REX MORGAN at the Visual Data Exhibition at Brooks Institute, Santa Barbara, California, on Good Friday 1981 PHOTO: JOHN LEWIS, Brooks Institute, SB



Left: Chief photographer VERNON MILLER working in Royal Palace, Turin, on the Holy Shroud, October 1978. PHOTO: Brooks Institute, Santa Barbara



Above: Members of the Shroud of Turin Research Project team at Santa Barbara L to R: Dr DONALD LYNN, Dr ROBERT BUCKLIN, Dr LARRY SCHWALBE, Fr ADAM OTTERBEIN, VERNON MILLER, KEN STEVENSON, BARRIE SCHWORTZ, Dr JOHN JACKSON, ? , ERNEST BROOKS, Dr SAM PELLICORI - PHOTO: JOHN LEWIS, Brooks Institute, SB

Below: EUGENE STREETER demonstrates the VP8 Image Analyzer to REX MORGAN at Brooks Institute, California, Good Friday 1981 PHOTO: JOHN LEWIS, Brooks Institute, SB



The Brooks Institute, as a fully accredited degree-giving university, is perhaps the most famous school of photography in the world whose several faculties cover every aspect of the art and science of photography: Basic Photographic Skills, Applied Photography, Portraiture, Commercial, Industrial, Scientific, Illustration, Cinema, Video, Animation, Colour Technology, Photojournalism, Visual Communications, Nature and Environment Photography, Undersea Technology, and Master of Science postgraduate programmes.

When the team of scientists were planning their programme for the Turin congress of 1978 and as some of their own institutes are in or near California it was natural that highly skilled photographers from Brooks would be involved in the project. Thus thousands of photographs, using every modern technology known, were taken during the Turin sessions. Permanent record photographs of every square centimeter of the Shroud as well as microscopically enlarged photos, coloured, infrared, ultraviolet, fluorescence, x-ray, reflectance and other highly specialised procedures were all used.

The Exhibition Opens

Father Otterbein and I arrived at Brooks in good time for the opening and private preview of the Exhibition which was to run publicly from 18th April to 19th June. We were met by President Ernest Brooks II and I was given a particularly warm welcome as the only delegate from Australia. In command of the gallery itself was Mr Eugene Streeter, a prominent member of the Institute and he took great time and care to discuss and explain the exhibits to Father Otterbein and me. The exhibition itself, consisting of several hundred photographs of the STURP team at work in Turin and of the Shroud itself, was mounted as one of the finest exhibitions I have ever seen, whatever the subject. In the spacious, tasteful gallery, superbly and artistically lit, it was possible to study each exhibit from close or distant range and the photographs themselves ranged from page-sized colour prints of the team at work to full-size image-enhanced photographs of the whole Shroud. Some of these have been reproduced in magazines and newspapers but many of them were on public view for the first time. Included in the exhibition was a VP8 Image Analyzer connected to a colour television screen and operating to show various Shroud photographs producing the now famous three-dimensional effect discovered by Jackson and Jumper in 1976. Also on display was the

original cardboard three-dimensional representation of the whole body of the man in the Shroud made by Jackson and Jumper from their computer calculations of the relationship between image intensity and distance of the body from the cloth.

Not seen before were full-size coloured photographs with the images enhanced by computer which showed in far greater detail the features of the image on the cloth. Some of the most spectacular photographs (which regrettably we cannot reproduce in colour in SHROUD NEWS) were the computer generated photographs giving various substances in the cloth assigned colour representations indicating the presence of blood, aloes and other substances and suggesting their deposit by contact or otherwise. Also on display was the original reproduction of the Shroud made for use in David Rolfe's film *The Silent Witness*.

Australian Peter Skinner

Early after my arrival I had the pleasure of meeting Mr Peter Skinner, the Public Relations Director of Brooks Institute. Peter is a Queenslander who has been in his present position for the past year after himself graduating from Brooks. His earlier career was as a journalist in the Gold Coast and, perhaps partly on account of national affinity but largely as a first-rate Director of Public Relations, Peter afforded me a great deal of co-operation and help with my own mission of gathering as much information as possible for Australian readers and listeners. I am indebted to him for the supply of press-kit photographs, very sparingly distributed, and for his making available the services of Mr John Lewis, a staff photographer of the Institute some of whose excellent photographs, together with official ones by Vernon Miller and others will appear in this and subsequent issues of SHROUD NEWS and elsewhere.

The Strawberries

Once the exhibition got under way there were some 500 invited guests from all over the United States at this exciting first night. Whilst it may seem banal I must acknowledge the typical and tremendous hospitality afforded by Brooks to all the guests by way of one of the most elaborate suppers I have ever seen which ran all evening and consisted of exquisite Californian dishes and examples of their superb wines, not to mention the biggest strawberries in existence -- the size of small apples. The ever-ready and expansive hospitality of the

ladies committee who continued to provide this fare throughout the evening was something long to be remembered.

STURP Team

During the evening and next day I had the privilege of meeting several members of the Shroud of Turin Research Project Inc (STURP) and I have recorded interviews with most of them. In forthcoming issues of SHROUD NEWS I shall report on these and other interviews held with Father ADAM OTTERBEIN, President of the Holy Shroud Guild, New York; VERNON MILLER, Director of the Industrial and Scientific Faculty, Brooks Institute; BARRIE SCHWORTZ, photographer and STURP member; Dr JOHN JACKSON, United States Air Force Academy; Dr DONALD LYNN, NASA Jet Propulsion Laboratory; Dr SAMUEL PELLICORI, optical research physicist at Santa Barbara Research Center; Dr ROBERT BUCKLIN, Los Angeles coroner and forensic pathology expert; KEN STEVENSON of IBM; Dr LARRY SCHWALBE, Los Alamos National Laboratories; and Dr JOE WESLEY DICKERSON of Kansas, a keen supporter of the project.

Other Experts

Later in the month I met and recorded interviews with Father FRANCIS FILAS of Loyola University in Chicago who has developed the theory of coin identification (see SHROUD NEWS No 2) and with Professor GILBERT RAES in Ghent, Belgium, who is the textile expert called by the Turin Commission in 1973 to identify the nature of the cloth itself. All these interviews contain fascinating information which will take me some time to organise for publication.

New Conclusions and Results

The overwhelming new evidence to emerge from the Brooks Institute gathering was widely publicised at the time throughout the world. I understand that the national news in Australia carried the wire story which emanated from Santa Barbara that weekend and this received very wide press coverage throughout the United States. Australians will also have seen the replay on Sydney Channel 10, and presumably in other states, a week or two ago of the programme from the American television 20 - 20 which summed up the latest findings. This programme was made to coincide with the Santa Barbara Exhibition and we saw it played at the conference.

The basic new statements to be made by the STURP team are:

1. There is actual blood on the Shroud and there is probably far more blood associated with the image than only at the obvious areas of the forehead, side, hands and feet.
2. There is also evidence of other residual chemical substances such as aloes on the Shroud
3. There is no evidence, under very high magnification, of any artist's pigments anywhere on the cloth (thus denouncing again the McCrone fake theory)
4. The nature of the image formation is now thought to be by some process of contact or exudation from the body which has produced what was a latent image and through later cellulose degradation of the fibres has formed the image visible today. Whilst this is an uncertain conclusion this argument is now favoured more strongly than the previously postulated radiation flash method of image production. But there is no theory yet as to how the image really was transferred to the cloth. This major question is still exercising the minds of the scientists at work in the United States, in England and in Italy.

I shall attempt to give SHROUD NEWS readers more details of all these matters in forthcoming issues and keep up to date with whatever emerges from the various sources we have.

CATHOLIC WEEKLY

SHROUD NEWS was gratified to discover that the May 17th edition of the widely-read Catholic Weekly carried a full-page article by Father Frank Mecham entitled ANOTHER VOICE (Australian) ACCLAIMS THE SHROUD. In this article Father Mecham makes kindly reference to Rex Morgan's book PERPETUAL MIRACLE and to SHROUD NEWS. He also gives an account of latest developments at that time in the Shroud studies and particularly reports on Father Filas's coin identification theory. SHROUD NEWS gained a number of new subscribers as a result of this publicity.

SUBSCRIPTIONS

Our list of subscribers is increasing and we welcome new readers to the circle. Subscriptions run at \$3 for batches of four issues. Current subscribers are financial to at least Issue 8.

MORE SUBSCRIBERS

Please encourage those of your acquaintance to join our subscription list. In this way we can only improve the newsletter in the future. Our four-issue subscription does not over commit either the subscriber or the publisher. We do not anticipate the demise of the newsletter at the moment!

CONTRIBUTIONS

Please feel free to write to SHROUD NEWS with any comment about the newsletter itself or about the subject of the Holy Shroud. The newsletter now goes beyond our circle in Australia to several other countries.

FUTURE ISSUES

We have in hand several more scientific reports as well as much information gained since the Santa Barbara congress. This will be published in the next few issues as well as latest information as it becomes available.

PUBLICATION

All information and opinion published in this newsletter is given in good faith to pass on to interested persons, matters concerning the Holy Shroud of Turin. It is edited (and mainly written) by REX MORGAN and is published by:

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