

Photoarchive 3D Resume

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OVERVIEW

Vivid, eye-popping, photographic virtual worlds were a passion of mid-Victorian society. Compelling visually, comprehensive in scope, and affordable to the emerging middle classes, nothing like them had ever been seen before. By the late 1850's dual lens cameras were built to capture the world in 3D, with the lenses separated by the distance between human eyes. The resulting image pairs, each slightly different, created a true three-dimensional record. Today, public awareness has been stirred by elegant software renderings of virtual environments, and new display technologies can deliver these original historic 3D images to the individual at the desktop, or a group in an auditorium. This is a particularly welcome development in the case of cultural and archaeological sites, where ways of life and the condition of monuments have changed so radically during the interval of photographic documentation. George Mutter and Bernard Fishman created Photoarchive3D to bring original thematic 3D historic images to academic and public audiences.

ENABLING RESOURCES

- Exclusive access to a digital archive of approx. 28,000 original 19th and early 20th century historical photographic material of sufficient depth and range to have unique scholarly, entertainment, and educational value.
- Contemporary (vintage image labels and descriptions) and scholarly annotation of curated images to preserve and interpret their original context.
- Web-based presence for education, distributed access, and visibility.
www.Photoarchive3D.org

PROJECTION METHODS:

No special equipment is required, and we can supply the paper re-cyan glasses.

We usually use MS Office PowerPoint files (PPTX, powerpoint version 2007 or later is preferred) that can simply be loaded onto a local computer and projection system as you would for a standard lecture. Images are in a special digitally processed red-cyan anaglyph format. When projected in a dark room, the audience will see the images in 3 dimensions by viewing them through disposable glasses with colored gel filters.

Alternatively, we can produce sequentially numbered files as mpo or separate left-right images suitable for projection on specialized 3D equipment.

PUBLIC PRESENTATIONS:

We are experts on historical and archaeological topics presented by 3D projection in classroom, auditorium or theater style lecture format. The below listing of previous public presentations shows those subjects which have already been organized into talks, usually of 45-60 minutes. The corpus of available imagery extends well beyond these topics, and we are constantly compiling new topics. Events in brackets [] are future scheduled events.

Hidden World of the Czars: The Russian Empire in 3D Photographs.

April and May, 2015

Bernard P. Fishman and George L. Mutter
Museum of Russian Icons, Clinton, MA

Drawing on a trove of never-before-shown historic photographs, this virtual tour of Czarist Russia spans the earliest days of photography in the 1850s to the fall of the regime in World War I. High resolution original stereophotos will be projected in 3 dimensions, as they were intended to be seen. See serfs in the squalor of the 19th-century Russian peasant villages, bustling ports and cities of the new merchant classes, the glittering life of the czar and his court, and the wars and struggles that signaled the end of the empire. Through the magic of 3D, you will find yourself strolling the streets of Moscow or viewing houseboats in St. Petersburg, visiting ancient monasteries, walking through villages and farms, visit with Tolstoy and his long-suffering wife Sonia, and stand in the trenches with conscripted Russian soldiers. This is a never-to-be-forgotten chance to see the vanished and hidden worlds of Russia's storied past. Presented by Photoarchive3D

19th Century Istanbul in 3D: Center of Empire

November, 2014

George L. Mutter and Bernard P. Fishman

Howard Thurman Center for Common Ground, Boston University, Boston, MA

The dynamic urban bustle, and multicultural population of Istanbul were vividly recorded by nineteenth century photographers. This presentation of rare stereo-photographs from 1855-1900 Istanbul and related areas will bring the twilight of the Ottoman Empire to life, especially as the audience will be able to view these scenes in three dimensions as intended by the original photographers. During this period, Istanbul transformed from a city of wooden houses and imperial splendor to a European metropolis. Traditional ways of life will be seen directly through the eyes of those that populated the capitol and its dominions, and from the orientalizing fantasies of western Europeans. Sponsored by the 19th Annual Boston Turkish Cultural Festival.

Digitization, Documentation and 3-D Presentation of Historic New England Stereoviews:

November, 2014

New England Museum Association (NEMA) Conference in Cambridge, Mass.

Bernard P. Fishman and George L. Mutter

This 90-minute program begins with Dr. Mutter reviewing the technological processes of digitizing and presenting PhotoArchive 3D stereoviews and our experiences in bring them to the public in projected format. Mr. Fishman will then review the process and progress of the Hidden Collections project, a grant from the Council and Library and Information Resources that is enabling the Maine State Museum and the Maine Historic Preservation and Heritage Commission to jointly pursue the cataloguing of 16,000 stereoviews of Maine. Finally Mr. Fishman will present a 30-minute show of interesting New England stereoviews to provide an example of our subject and our work.

A 19th Century 3D Trip Up the Nile to Nubia. September 2014

College of Wm. and Mary, Williamsburg, VA

George L. Mutter

Dr. Mutter brings a virtual journey through Egypt by boat in the late 19th century to selected history classes (Nubia: and African Kingdom in American Thought, 1748-2014) and a freshman seminar (Ancient Egypt in Africa) in the Lyon Gardiner Tyler Department of History at The College of William & Mary. Host: Prof. Jeremy Pope

Life in 4D: The Human Experience Across Space and Time (various)

Magic Lantern Society, Boston Massachusetts, July 2014

Faculdade de Ciencias Medicas da Santa Casa de Sao Paulo, Brazil August, 2014

College of Wm and Mary, History Honors Society, Williamsburg, VA, Sept., 2014

George L. Mutter

This 3D presentation will immerse you in a series of exotic and unfamiliar situations, thematically organized to emphasise common human experiences of beauty, community, danger, amusement, and innovation during the last 150 years of the photographic era. Come on a journey through time and space to see how much we are alike despite social, environmental, and technological differences. Freshly digitized from the absolute best of 28,000 original 19th and 20th century stereophotographs in the vaults at Photoarchive3D, these images are projected for viewing in three dimensions as originally intended.

Photoarchive3D goes to Jail! Latin America in 3D. (April, 2014)

Maine State Prison in Warren, ME

Bernard P. Fishman.

Bernard Fishman presented 19th and early 20th century stereo images of Cuba and Mexico to a college class on Contemporary Latin American Literature being given to inmates at the Maine State Prison in Warren, ME. The class is taught by Dr. Ellen Taylor of the University of Maine at Augusta. The prisoners were highly interested and very responsive, and all in the class are working on major research projects involving some aspect of Latin American culture or history.

Mr Fishman reports: "Only the most dedicated prisoners are willing to jump the hurdles to take this kind of course, which is supported by a private foundation (the Sunshine Lady Foundation). The prisoners were exceptionally appreciative and constituted perhaps the most attentive class I have ever taught or presented to. "

Cuba in 19th Century Stereophotographs (March, 2014)

University of Maine at Augusta, Dept. of History
Bernard P. Fishman

Mr. Fishman presented historical background for a course on Cuban literature, for a group of college students. One goal was to prepare the class for an actual trip to Cuba. The presentation began with display of conditions in Cuba under Spanish colonial rule, on the eve of the American Civil War. This included actual pictures of slaves involved in plantation field and sugar production work. By comparison, Cuba at the end of the 19th century under early American occupation was shown under transition to independence. Teddy Roosevelt and “millionaire soldier” John Jacob Astor have cameo appearances in this vivid recreation of tumultuous change in the Caribbean.

19th Century Egypt in 3D: A Victorian Trip Up the Nile" . (October, 2013)

Museum of Science, Boston, MA
George L. Mutter and Bernard P. Fishman

A special 3D projection presentation of historical stereoviews of Egypt, with an emphasis on aspects of Egyptian monuments and ways of life that have changed since the 19th century. This is a travelogue-style Nile tour solely using 1856-1881 stereophotographs. All images are fresh digitizations of rare original photographs projected as they were intended to be seen, in 3D. Co-sponsored by the Ancient Egypt Research Associates, the Boston Museum of Science, and Massachusetts Archaeology Month.

19th Century Preservation in Historic Stereophotographs. (April, 2013)

Boston University, Boston, MA.
Bernard P. Fishman

Mr Fishman used vintage stereoviews from far ranging sources to discuss the development of historical consciousness and memory in the 19th century United States. Starting with examples of early preservation attempts of historical sites within the US such as Mt. Vernon, he then pursues the theme of an increasing awareness of the need for preservation worldwide. Attitudes towards, and changing condition of, heritage sites in Egypt and the Ottoman empire are illustrated along with a now lost way of regional life. Part of Christina Luke’s class on “Green Design and Cultural Policy” offered by the anthropology and archaeology departments.

Up the Nile in 1856-1870. (September, 2012)

Wm. and Mary College, Williamsburg, Virginia.
George L. Mutter

Dr. Mutter brought Dr. Jeremy Pope's history class up the Nile in 3D as part of their study of the western experience and perception of Nubia. Arriving at Alexandria after a brief quarantine, we were assaulted by the busy streets of Cairo on the way to the pyramids. Engaging a wooden dahibeyah to sail southwards, the monuments passed by in increasingly desolate surroundings after the first cataract. We saw the Nubian monuments before they were drowned by the Aswan dam, including Philae, Abu Simbel, and the many sites now submerged under Lake Nasser. It was a rare chance to see the original context of since moved monuments such as Dendur (NY), Taffeh (Netherlands) and Dabod (Madrid)

Egypt in 3D. (April, 2012)

Am. Research Center in Egypt (ARCE) Annual Meeting Providence, Rhode Island.

George L. Mutter and Bernard P. Fishman.

This ARCE special event sold out, and was their best attended fundraiser ever. Proceeds were awarded to best student abstract. A special 3D projection of historical stereoviews of Egypt, with an emphasis on aspects of Egyptian monuments and ways of life that have changed since the 19th century. Mr. Fishman presented "The Nile Under Glass," a travelogue-style Nile tour solely using 1856-1870 wet collodion stereoview images on glass. These represent the highest artistic and technical achievements in 19th century stereophotography and the views of Egypt made in this format were considered near wonders in their day. Alexandria, medieval Cairo, the Pyramids of Giza, techniques of Nile travel in the days of sail, Luxor, Karnak, Nubia, and many other ways of life and places of fascination are shown as they were before archaeology and tourism rendered them both too familiar and unrecognizable without their modern froth of crowds and sideshow qualities of mass commercialism. Then, Prof Mutter did "Up the Nile in 1882 with EL Wilson", to see how much tourism changed it, and highlight several discoveries that are iconic events of late 19th century Egyptology (such as discovery of the royal mummy cache in 1881). All these Egyptian sites have changed in the intervening 150 years and some have disappeared, and through these scenes their enduring interest and immortal majesty can be appreciated in ways utterly impossible to recover today. Never before has an early Victorian tour of Egypt using glass stereoviews exclusively been presented to any public audience in the world, let alone followed by a contrasting revisit a few years later.

Life in 4D, and A Trip Up the Nile. (March, 2012)

Photographic Historic Society of New England (PHSNE), Wakefield, MA

George L. Mutter and Bernard P. Fishman

Treasures from the vaults of Photoarchive3D were specially selected from an archive of stereo photographic images of broad topical and geographic coverage from 1855 through modern times. Freshly digitized from original stereophotographs in private collections, these images were projected for viewing in three dimensions as originally intended. PHSNE members will be swept on a grand tour of "Life in 4D" across space and time, using Victorian era photography incorporating all corners of the world as preserved in paper, glass, and tissue 3D stereoviews. The collection is particularly strong in early glass, tissues, Middle East and Europe, and historic events such as fairs and wars. High resolution capture and bright digital projection have transformed our ability to centrally capture large numbers of rare images as a virtual archive, from which they can easily be annotated, studied, and projected. Following Dr. Mutter's overview, Mr. Fishman will present a travelogue-style Nile tour utilizing beautifully preserved rare stereoviews on glass created from 1855 to the 1870's.

The Ottoman World in 19th Century 3D Photographs. (November, 2011)

16th Annual Boston Turkish Arts and Cultural Festival, Museum of Fine Arts, Boston, MA

George L. Mutter and Bernard P. Fishman.

Constantinople (Istanbul) inherited the rich architectural, social, and cultural traditions of the Byzantine and Ottoman empires. Its layered history, dynamic urban bustle, and multicultural population were vividly recorded by nineteenth century photographers whose voluminous work is only being rediscovered today. This presentation of rare stereophotographs from 1855-1900 Turkey and related areas in the Near East brought the twilight of the Ottoman Empire to life, especially as the audience viewed these scenes in three dimensions, as intended by the original photographers. We highlighted the transformation of Constantinople from a city of wooden houses and imperial splendor to a European metropolis. For comparison, views of the outlying Ottoman dependencies and their people,

Photoarchive3D (George Mutter and Bernard Fishman)
cities, and historic sites were shown. Traditional ways of life as seen directly through the eyes of those that populated the capitol and its dominions, and from the orientaling fantasies of western Europeans. Enter the world of the Sultans with us in a stunningly beautiful tribute to the Turkish people.

Egypt in the Victorian Parlor: EL Wilson's virtual tour. (July 2011)

Association for Study of Travel in Egypt and the Near East, Oxford, UK.

George L. Mutter

In 1882 Edward Wilson was the first to photograph Egypt by the dry plate process, a highly portable technology enabling unprecedented spontaneity and rapid capture. Down the Nile by steamer and overland through Suez and Sinai by camel, he was equally fascinated by people and monuments. Highlights include tomb DB320 (Luxor site of royal mummy cache), the Boulak Museum, street life, fellow travelers, and local personalities. His pictures are most widely known today through wood engravings in contemporary magazines. Rediscovery of the original photographic images, most as 3D stereoviews, provides a vivid experience of travel in 19th century Egypt. Presented as part of the ASTENE (Association for Study of Travel in Egypt and the Near East) biannual conference.

Victorian virtual reality: 19th century education in 3D. (May, 2011)

Immersive" Education (iED) Summit, Boston, MA

George L. Mutter and Bernard P. Fishman.

Virtual reality was solidly established in the mid 19th century as a tool for entertainment and education, producing a corpus of millions of images preserved today as photographic stereoviews suited to digital presentation. "Boxed sets" devoted to specific countries or industries were crafted for educational use in schools and libraries, where they became common immersive experiences for entire classrooms of stereoscope-equipped children who listened to scene descriptions read by their teachers. New viewing technologies have the capacity to redeliver these snapshots of a lost world to individuals at 3d-enabled workstations, and groups interacting in a classroom environment. This presentation used 3D anaglyph projection of digitized original vintage images to introduce the audience to the available range of Victorian virtual reality materials. Additionally, a recompiled 19th century "virtual tour" of Egypt illustrated the types of images and linear dialog that accompanied formal presentations intended for education and entertainment. Paper presented, with full stereo projection.

ABOUT US:

George Mutter and Bernard Fishman have over six decades of combined experience searching for, and studying, historic stereophotographs. The prospect of bringing these to a broad audience through digitization launched what has become a fruitful collaboration. The result is a freshly digitized archive of approximately 28,000 original photographic stereo images covering many subjects, most of which has not been seen by the public in the last century.

George Mutter (left, below) trained in medicine at Harvard and Columbia, and is currently a Professor of Pathology at Harvard Medical School. He is a prolific scientist and educator, having authored over 100 scientific papers, and delivered numerous invited lectures internationally. Bernard Fishman (right, below) is an Egyptologist trained at Columbia U. and U. of Pennsylvania. He worked in Egypt with the Oriental Institute of the University of Chicago before becoming a nonprofit institution administrator. He is presently the Director of the Maine State Museum in Augusta, Maine. Detailed CV's are available on request.



PRINTED WORKS:

By Photarchive3D:

- Mutter GL, Fishman BP. "Lost" photographs of Edward L. Wilson: The American who documented the discovery of the Royal Mummies cache. *KMT A Modern Journal of Ancient Egypt* 2009; 20:60-68.
- Mutter GL, Fishman B. First photos taken from the great pyramid. *AERAGram* 2013; 14(1):16-21.

Collaborative Works highlighting Photoarchive3D Materials:

- Paris, the Great Saga (in augmented reality), Didier Busson, Flammarion, 2012 (Stereoviews of Paris in 19th century)
- 3D Egypt Christmas Card, Ancient Egypt Research Associates (AERA), Boston, MA. 2012. (Giza from peak of pyramid, 1882)
- Newsletter of the Association for the Study of Travel in Egypt and the Near East (ASTENE) Newsletter, 2012.
- Norwich Catle Museum, Norwich UK. 2011 (Images of DB320 Royal cache site in Luxor, Egypt).