

THE LOST NEGATIVES OF ANSEL ADAMS



FINAL REPORT OF INVESTIGATIVE TEAM

JULY 27, 2010

DAVID W. STREETS GALLERY

BEVERLY HILLS, CALIFORNIA

INTRODUCTION

In 1937, a fire ripped through Ansel Adams' darkroom, destroying as many as 5,000 negatives. This loss represented one-third of his portfolio. Many of the negatives had never been developed into photographs. It was a heartbreaking loss for Adams and his wife, Virginia, and it has long been lamented by the art lovers who have wanted to trace how Adams found his artistic voice in the early phase of his career. Art historians assumed that the images and evidence of his early career were simply lost forever.

This critical void in Adams' collection of photographs remained until spring 2000. At a garage sale in Fresno, California, Rick Norsigian, a painter for the Fresno school district, chanced upon two boxes of antique glass negatives. Deteriorating from old age, the manila envelopes held glass photographic negatives wrapped in newspaper. The negatives were of a unique size and the manila envelopes contained writing which listed a date and the venue where the negative was created. With these indisputable facts, the question submitted to a team of experts was whether these negatives where in fact created by Ansel Adams.

TEAM OF EXPERTS

There is no uniform or standardized method of authenticating photographs. Unlike a painting, there is no signature or unique brush strokes method attaching the artist to a photograph. Therefore, each investigation into the provenance of a photograph must be unique and individualized. In this case, the following experts were engaged because they brought expertise in diverse areas to address various aspects of the inquiry into who created the glass negatives.

**Michael Nattenberg and Marcel Matley
Handwriting Analysis**

**Patrick Alt
Large Format Photography**

**Robert Moeller
Art Curator, Historian and Appraiser**

**Thomas Knowles
Forensics and Criminalistics**

**Manny Medrano
Evidence and Burden Of Proof Analysis**

**George Wright
Meteorology**

The statement of qualifications for each of these experts is appended to this report.

THE SCOPE OF THE INVESTIGATION

EACH OF THE EXPERTS BROUGHT THEIR OWN UNIQUE SKILLS TO THEIR TASKS. IN PATRICK ALT, THE PHOTOGRAPHY EXPERT, AND ROBERT MOELLER, THE ART EXPERT, SPENT A TIME EXAMINING THE NEGATIVES AND CONSULTING VARIOUS SECONDARY SOURCES OF AUTHENTICATION.

FOR MR. MOELLER, TWO SEPARATE VISITS TO THE CENTER FOR CREATIVE PHOTOGRAPHY IN TUCSON, ARIZONA, MADE POSSIBLE THE STUDY OF ANSEL ADAMS' PHOTOS IN THE ARCHIVES. HE SPENT MANY HOURS IN DISCUSSIONS WITH THE CURATOR AND ARCHIVIST ABOUT THE NORSIGIAN PRINTS AND ADAMS' POSSIBLE AUTHORSHIP. MR. MOELLER SPENT THREE DAYS IN YOSEMITE NATIONAL PARK, VISITING AND STUDYING ADAMS' PHOTOGRAPHY SITES, AS WELL AS TAKING TIME TO EXAMINE THE RESOURCES CONTAINED IN THE YOSEMITE MUSEUM ARCHIVES.

PATRICK ALT WAS ASKED TO BRING THE KNOWLEDGE AND EXPERIENCE OF A WORKING LARGE FORMAT PHOTOGRAPHER AND THE WEALTH OF INFORMATION HE HAD ACCUMULATED IN 40 YEARS OF MAKING IMAGES AS WELL AS STUDYING THE HISTORY OF PHOTOGRAPHIC TECHNOLOGIES AND THE HISTORY OF PHOTOGRAPHY. MR. ALT IN PARTICULAR HAD BEEN A STUDENT OF ANSEL ADAMS' WORK FOR MANY YEARS, HAVING READ MOST OF HIS BOOKS AND SEEN HIS WORK IN PERSON IN MANY EXHIBITIONS OVER THE YEARS.

THE PANEL WAS TASKED WITH DETERMINING THE PROVENANCE OR ORIGIN OF THE GLASS NEGATIVES. IN ADDITION, THE PANEL WAS ASKED TO ADDRESS SOME OF THE KEY QUESTIONS THAT HAVE BEEN RAISED BY INDIVIDUALS AND THE ANSEL ADAMS TRUST AS TO WHETHER THESE NEGATIVES WERE IN FACT CREATED

BY ANSEL ADAMS. IN PARTICULAR, MATTHEW ADAMS, ANSEL ADAMS' GRANDSON, HAD EXPRESSED SOME SKEPTICISM IN THE MEDIA ABOUT THE AUTHENTICITY OF THE NEGATIVES. MR. ADAMS WAS GRACIOUS ENOUGH TO MEET WITH MR. NORSIGIAN'S COUNSEL, RAISED A NUMBER OF QUESTIONS AND REQUESTED VARIOUS ITEMS INCLUDING THE MATERIALS PROVIDED TO THE HANDWRITING EXPERTS SO THAT A FAMILY MEMBER FAMILIAR WITH VIRGINIA ADAMS' HANDWRITING COULD MAKE HER OWN COMPARISON. THERE WAS NO RESPONSE FROM THE ADAMS FAMILY AS TO THEIR OWN ANALYSIS OF THE HANDWRITING. MR. ADAMS WAS ALSO PROVIDED AN ADVANCE COPY OF THE PRESS RELEASE ANNOUNCING THE RESULTS OF THE EXPERT INVESTIGATION. THE ADAMS FAMILY HAS NEITHER CONFIRMED NOR DISPUTED THE HANDWRITING ANALYSIS OR OTHER CONCLUSIONS REACHED BY THE PANEL OF EXPERTS.

ORGANIZATION OF THIS REPORT

THIS REPORT IS ORGANIZED PURSUANT TO EACH OF THE CONCLUSIONS REACHED BY THE PANEL OF EXPERTS. EACH CONCLUSION IS SUPPORTED WITH THE PRECISE EVIDENCE AND THE FACTS ON WHICH THE EXPERTS HAVE RELIED. THE LANGUAGE IN THE TEXT BOX ON EACH PAGE IS DIRECTLY FROM THE EXPERT AND HAS NOT BEEN ALTERED OR MODIFIED.

- 1.VIRGINIA ADAMS' HANDWRITING IS ON THE MANILA ENVELOPES IN WHICH THE NEGATIVES WERE FOUND**
- 2.ONE OF THE IMAGES IN THE NORGISIAN NEGATIVES IS VIRTUALLY IDENTICAL TO AN AUTHENTICATED ANSEL ADAMS PHOTOGRAPH**
- 3.THE LOGICAL CONCLUSION BY THE EXPERTS IS THAT THE TWO VIRTUALLY IDENTICAL PHOTOGRAPHS WERE TAKEN BY ANSEL ADAMS AND NOT A SECOND PHOTOGRAPHER**
- 4.THE FIRE DAMAGE TO SOME OF THE NEGATIVES LINK THE NEGATIVES TO THE 1937 ANSEL ADAMS' STUDIO FIRE**
- 5.TRACING THE NEGATIVES TO SOUTHERN CALIFORNIA IS CONSISTENT WITH ANSEL ADAMS' CAREER IN PASADENA**
- 6.SEVERAL OF THE IMAGES IN THE NORGISIAN NEGATIVES CORRESPOND TO ICONIC ANSEL ADAMS IMAGES**
- 7.SILVER TARNISHING IS CONSISTENT WITH AGE OF THE NEGATIVES AND PLACES THEM EARLY IN ANSEL ADAMS' CAREER**
- 8.THE SIZE OF THE NEGATIVES ARE UNIQUE TO ANSEL ADAMS**
- 9.AFTER DIRECT EXAMINATION AND ANALYSIS, A WORKING LARGE FORMAT PHOTOGRAPHER WITH 40 YEARS OF EXPERIENCE HAS CONCLUDED THAT THE NEGATIVES WERE CREATED BY ANSEL ADAMS**
- 10.THE FORMER DIRECTOR OF THE DUKE UNIVERSITY ART MUSEUM AND CURATOR AT THE MUSEUM OF FINE ARTS IN BOSTON EXAMINED THE EVIDENCE AND CAME TO THE CONCLUSION THAT THE NORSIGIAN NEGATIVES WERE CREATED BY ANSEL ADAMS**

VIRGINIA ADAMS' HANDWRITING IS ON THE MANILA ENVELOPES

Name ~~8036~~ 8053
Name _____
Remarks *Seagull*

No. *7072*
Name *Yosemite from Meadow*
Remarks _____

No. *8103*
Name *Valley View Geo*

No. *8104*
Name *Gates of the Valley*

No. *8082*
Name *Johnson Canyon from Glacier Point*
Remarks _____

6 13 0606 454 605 108 124 141274 6202 27 85'01 TEL 30-01-AMM

"WE THEREFORE CONCLUDE THAT THE WRITING ON BOTH SET OF DOCUMENTS WERE WRITTEN BY THE SAME PERSON, A WOMAN KNOWN AS VIRGINIA."

MICHAEL NATTENBERG, HANDWRITING EXPERT

VIRGINIA ADAMS' HANDWRITING IS ON THE MANILA ENVELOPES

"I was asked to examine copies of envelopes in which glass negatives created by Ansel Adams had been kept. The question was whether the notations on these envelopes were written by Virginia Adams, Ansel Adams' wife. I was supplied copies of samples of Virginia Adams' authentic writing for comparison. After I had made an oral report of my opinion that Virginia Adams had written the notations in question, I was supplied a Declaration, dated April 24, 2007, by Michael Nattenberg stating his opinion to the same effect. Since I am confident that Mr. Nattenberg would have sufficiently addressed the significant similarities that support his opinion, I suggested that I address why any apparent evidence to the contrary can be reasonably explained and thus was not cogent. I was instructed to follow this approach.

Although for this report I am only duplicating portions of the questioned and exemplar materials supplied to me, it must be borne in mind that my opinion is that all the questioned notations were written by the same person who wrote all the materials submitted as authentic writings of Virginia Adams. The selected samples serve to illustrate what is true about all the materials submitted for examination."

MARCEL B. MATLEY, HANDWRITING EXPERT

**ONE OF THE IMAGES IN THE NORSIGIAN NEGATIVES IS
VIRTUALLY IDENTICAL TO AN AUTHENTICATED
ANSEL ADAMS PHOTOGRAPH**



ANSEL ADAMS NEGATIVE



NORSIGIAN NEGATIVE

"In my opinion, based on a reasonable degree of meteorological probability, the clouds present in each photograph in type, elevation and sky coverage. Based upon the clouds in the photographs and the snow cover present in the mountains, it is my opinion that these photographs were taken on the same day."

GEORGE WRIGHT, Meteorologist

THE LOGICAL CONCLUSION IS THAT THE TWO VIRTUALLY IDENTICAL PHOTOGRAPHS WERE TAKEN BY ANSEL ADAMS AND NOT A SECOND PHOTOGRAPHER

"SO WITH DEDUCTIVE REASONING, IF ANSEL TOOK ONE OF THE PICTURES, WHICH IS A GIVEN, THEN ANSEL HAD TO TAKE THE OTHER. NO OTHER EXPLANATION IS REASONABLE OR POSSIBLE. THIS IS THE ONE NONDEBATEABLE FACT OF ALL OF THIS RESEARCH. AS TO WHETHER THE SPACING BETWEEN THE POINTS OF COMPARISON MAY NOT MATCH, THAT IS EASILY EXPLAINED BY HIS USING A DIFFERENT LENS, WHICH WOULD CHANGE THE SPACIAL RELATIONSHIPS BASED ON THE FOCAL LENGTH OF EACH LENS. ALONG WITH THE FACT OF VIRGINIA'S HANDWRITING AND ALL OF THE OTHER NONQUANTIFIABLE ASPECTS SUCH AS HIS PERSONAL STYLE, HIS USAGE OF THIS PARTICULAR CAMERA FORMAT, THE FIRE DAMAGE ON THE NEGATIVES, AND THE SUBJECT MATTER ALL TOGETHER HAS ME CONVINCED WITHOUT QUESTION OR HESITATION THAT THESE ARE INDEED EXAMPLES OF SOME OF HIS EARLY FORMATIVE PHOTOGRAPHS."

PATRICK ALT, PHOTOGRAPHY EXPERT

**THE POSSIBILITY OF ANOTHER PHOTOGRAPHER IS
HIGHLY UNLIKELY BECAUSE OF THE STRONG
CONNECTIONS THAT THE NEGATIVES HAVE
TO ANSEL ADAMS**

"I have considered the possibility that this collection might be the work of one or several other photographers known to have photographed Yosemite in the early 1900s. I have found no reason to support this idea. I am convinced that the negatives, as a contained unit, are the work of one artist. In addition, my research found no other Yosemite photographer, during the identified date range, using 6.5 x 8.5 glass plate negatives, taking photographs of the Carmel Mission, views of a rocky point in Carmel, Fisherman's Wharf, San Francisco, a picture of fisherman and their boats, a view of a sailing yacht at sea, an image of sand dunes, which betrays a less than horizontal horizon line (tripod sank at the moment of exposure?). The fact that these locations were well known to Adams, and visited by him, further supports the proposition that all of the images in the collection were most probably created by Adams."

ROBERT MOELLER, ART EXPERT

**THE POSSIBILITY OF ANOTHER PHOTOGRAPHER IS
HIGHLY UNLIKELY BECAUSE SUCH A SUGGESTION IS NOT
LOGICAL IN LIGHT OF THE VERY STRONG
CORROBORATING EVIDENCE**

"TWO QUESTIONS HAVE ARISEN REGARDING THE VERACITY OF THIS WORK. FIRST WAS THE POSSIBILITY THAT OTHER PHOTOGRAPHERS SUCH AS TABER AND FISK COULD EASILY HAVE TAKEN THESE IMAGES. WITHOUT ANY OF THE OTHER CORROBORATING EVIDENCE, THIS IS INDEED A VALID QUESTION. BUT THIS IS IMMEDIATELY DISMISSED AS A POSSIBILITY IN THEN HOW DID VIRGINIA ADAM'S HANDWRITING END UP ON THE NEGATIVE SLEEVES. THERE IS NO POSSIBLE SCENARIO THAT COULD BE IMAGINED TO ALLOW THIS TO HAVE HAPPENED AND AS SUCH IS NO LONGER SUBJECT TO CONSIDERATION.

THE SECOND, HOWEVER, TAKES A LITTLE BIT MORE TO RESPOND TO. THIS WAS THAT THE BEST STUDIO IN YOSEMITE, BELONGING TO VIRGINIA'S FATHER, MADE IMAGES OF YOSEMITE TO BE THEN HANDCOLORED AND SOLD TO THE TOURISTS AS THEY VISITED THE PARK. AS A HANDCOLORIST FOR OVER 30 YEARS, IT HAS BEEN MY EXPERIENCE THAT ONLY CERTAIN IMAGES LEND THEMSELVES TO THIS PROCESS. THERE IS VIRTUALLY NOT A SINGLE ONE OF THE NORSIGIAN NEGATIVES THAT I WOULD EVER CONSIDER WORTHY OF COLORING. THIS, I AM AWARE, IS AGAIN A SUBJECTIVE EVALUATION AND CANNOT BE QUANTIFIED. BUT THEN THE QUESTION ARISES IS HOW DID THESE NEGATIVES BECOME FIRE DAMAGED AS THE BEST NEGATIVES WERE NOT PART OF ANSEL'S DARKROOM. SECONDLY, WHY WOULD THERE BE NOT ONLY BOAT PICTURES IN THIS GROUP AS THESE WOULD NEVER BE PUT UP FOR SALE IN A TOURIST GALLERY IN YOSEMITE NOR WOULD THE CARMEL PICTURES EITHER. LASTLY, UNDER WHAT CIRCUMSTANCES WOULD BEST IMAGES HAVE MADE IT TO LA. AGAIN, THERE IS NO SCENARIO THAT COULD POSSIBLY EXPLAIN SUCH A JOURNEY, ESPECIALLY WHEN IT WAS WELL KNOWN THAT ANSEL WAS HERE FOR SEVERAL YEARS TEACHING AT [THE PASADENA] ART CENTER. SO BOTH QUESTIONS, VALID WHEN CONSIDERED BY THEMSELVES, COMPLETELY FALL APART WHEN EXAMINED BY BOTH LOGIC AND FACTS."

PATRICK ALT, PHOTOGRAPHY EXPERT

THE FIRE DAMAGE TO SOME OF THE NEGATIVES DIRECTLY LINK THE NEGATIVES TO THE 1937 ANSEL ADAMS' STUDIO FIRE

"THE RESULT OF THIS FIRE CAUSED THE LOSS OF OVER 5000 NEGATIVES, MANY OF WHICH WERE FROM HIS FORMATIVE YEARS DURING THE 1920S. IN LOOKING AT THESE NEGATIVES IT IS VERY EASY TO IMAGINE HIM, EDWARD WESTON, AND OTHERS HELPING HIM SAVE MANY NEGATIVES FROM DAMAGE BY THROWING THEM IN A BATHTUB FILLED WITH WATER AS HE STATES IN HIS AUTOBIOGRAPHY. IT TOOK DAYS TO CLEAN AND DRY THEM. IT IS HERE, I BELIEVE, THAT VIRGINIA ADAMS HELPED BY WRITING THE NAMES ON THE PAPER SLEEVES AS EACH ONE WAS SAVED. IT IS INDEED HER WRITING ON THE SLEEVES AND THIS HAS BEEN VERIFIED AND CONFIRMED BY INDEPENDENT HAND WRITING ANALYSTS. THERE WOULD BE NO OTHER INSTANT I CAN THINK OF WHERE VIRGINIA WOULD BE WRITING ON HIS NEGATIVE SLEEVES AS SHE HAD VERY LITTLE INTERACTION WITH HIS PHOTOGRAPHY, ESPECIALLY IN THE DARKROOM. SO, THOUGH NOT COMPLETELY VERIFIABLE, THIS EVIDENCE IS VERY COMPELLING AND LOGICAL GIVEN THE PHYSICAL EVIDENCE OF THE NEGATIVES."

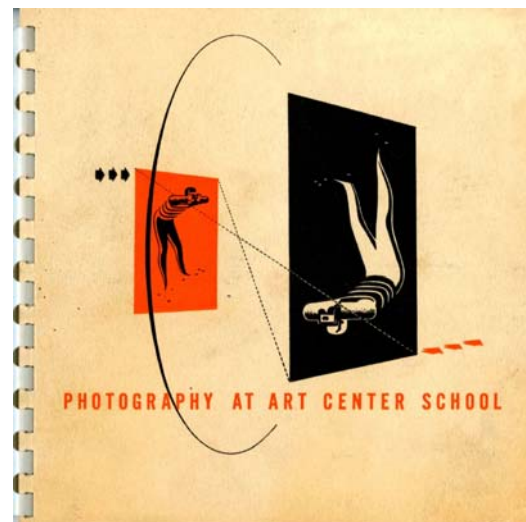
PATRICK ALT, PHOTOGRAPHY EXPERT



TRACING THE NEGATIVES TO SOUTHERN CALIFORNIA IS CONSISTENT WITH ANSEL ADAMS' CAREER IN PASADENA

"IN TALKING WITH MR. NORSIGIAN ABOUT WHAT HE FOUND OUT AS TO THE ORIGIN OF THESE NEGATIVES, HE FOUND THAT THE PERSON HE BOUGHT THEM FROM HAD ACQUIRED THEM IN THE 1940S FROM A WAREHOUSE SALVAGE IN LOS ANGELES. IT IS KNOWN THAT ANSEL WAS IN LA IN THE EARLY 40S TEACHING HERE AT [THE PASADENA] ART CENTER, WHICH WAS WHERE THE ZONE SYSTEM WAS CREATED. IN THINKING ABOUT HOW THIS WORK GOT HERE, IT IS MY BELIEF THAT HE BROUGHT THESE NEGATIVES WITH HIM FOR TEACHING PURPOSES AND TO SHOW STUDENTS TO NOT LET THEIR NEGATIVES BE ENGULFED IN A FIRE. I THINK THIS CLEARLY EXPLAINS THE RANGE OF WORK IN THESE NEGATIVES, FROM VERY EARLY PICTORIALIST BOAT PICTURES, TO IMAGES NOT AS SUCCESSFUL, TO IMAGES OF THE HIGHEST LEVEL OF HIS WORK DURING THIS TIME PERIOD. HIS HUMOR WAS LEGENDARY AND IT WOULD NOT BE UNREASONABLE FOR HIM TO SHOW THE FIRE DAMAGED PLATES AND REGALE HIS STUDENTS WITH WHAT WAS SURELY A GREAT STORY. IT WILL NEVER BE POSSIBLE TO KNOW WHY HE WOULD HAVE LEFT THESE NEGATIVES IN STORAGE, BUT LEFT THEM HE DID. THEIR JOURNEY FROM HIS CAMERA, THROUGH HIS FIRE, DOWN TO LA, AND THEN TO BE FOUND IN FRESNO, OF ALL PLACES, IS TRULY ONE OF THE MOST REMARKABLE IN THE ANNALS OF ART AND PHOTOGRAPHIC HISTORY."

PATRICK ALT, PHOTOGRAPHY EXPERT



THE VENUES OF THE NORSIGIAN NEGATIVES HAVE A DIRECT CONNECTION TO ANSEL ADAMS

“Mr. Norsigian has matched images to sites known by or frequented by Ansel Adams, principally Yosemite National Park. The Yosemite views make up the majority of the collection. Other images appear to portray Fisherman’s Wharf, San Francisco, Carmel Mission, a point of land in Carmel with the ocean beyond. There are also photographs of a view of sand dunes and a sailing yacht, and pictures of fisherman in their boats.”

ROBERT MOELLER, ART EXPERT



YOSEMITE



CARMEL



FISHERMAN'S WHARF

SILVER TARNISHING ON THE NEGATIVES IS CONSISTENT WITH THE AGE OF THE NEGATIVES AND PLACES THEM EARLY IN ANSEL ADAMS' EARLY CAREER

"ON THE EMULSION SIDE OF THE NEGATIVES, THERE CAN PLAINLY BE SEEN A METALLIC SHEEN WHICH IS A RESULT OF THE OXIDATION OF THE SILVER IN THE EMULSION. THIS OCCURS OVER A LONG PERIOD OF TIME AS THE SILVER MOLECULES REACT WITH AIR. THE PROCESS CAN ALSO BE SEEN IN PRINTS FROM THIS TIME PERIOD AS IT APPEARS TO TAKE 70 TO 100 YEARS FOR THIS TO MANIFEST ITSELF. THIS HELPS PLACE THESE NEGATIVES IN THE RIGHT TIME PERIOD. WHEN THE UNEXPOSED SILVER HALIDES, WHICH THROUGH DEVELOPMENT CREATES THE IMAGE, HAS BEEN PROCESSED, THE SILVER HALIDES BECOME A MOLECULAR COMPOUND OF SILVER SULFIDE. THIS MOLECULE IS WHAT IS TARNISHED IN THE EMULSION BY OXYGEN. IT WAS LATER WHEN IT WAS FOUND THAT BATHING THE PROCESSED NEGATIVE OR PRINT IN A SOLUTION OF SELENIUM THAT ELIMINATED THE PROBLEM. SELENIUM TRANSFORMED SILVER SULFIDE INTO SILVER SELENIDE, A MOLECULE RESISTANT TO OXIDATION. THIS HAS BECOME AN INTEGRAL PART OF ALL MODERN SILVER PRINT PROCESSING TO BE CONSIDERED ARCHIVAL OR LONG LASTING."

PATRICK ALT, PHOTOGRAPHY EXPERT

SIZE OF THE NEGATIVES ARE UNIQUE TO ANSEL ADAMS

"The size of the Norsigian glass plates are known to be a format that Ansel used throughout the 1920s and into the 30s. On page 3 from Ansel's book, *Examples. The Making of 40 Photographs*, he talks about using his 6 ½ x 8 ½ inch Korona view camera to make one of the most important images in his career. This image, *Monolith, The Face of Half Dome*, was for him the first time he used a process which became for him, and many others that followed, a seminal event that he used for the rest of his life. This was the concept of previsualization, which for him meant that while he was looking at the image on the ground glass of the camera, he imagined what he wanted the finished print to look like. He then proceeded to expose, and using other tools as necessary, to create a negative that would give him a print that corresponded to the feeling he had at the time of exposure. His mastery over all of the technical aspects of photography ultimately resulted in the creation of the famous Zone System. This system allowed him and many other photographers, including myself, to create negatives that would make prints of the desired quality and expressiveness. In the list of equipment he carried on that fateful day were 12 Wratten glass plate glass negatives. So from his own writing we have confirmation that during this period he did indeed shoot glass plate negatives of the same size as the Norsigian negatives. This fact cannot be disputed."

PATRICK ALT, Photography Expert

SEVERAL OF THE IMAGES IN THE NORIGSIAN NEGATIVES CORRESPOND TO ICONIC ANSEL ADAMS IMAGES

“In addition to the Jeffrey Pine matches, there are images of other subjects in this collection, which I believe relate in meaningful ways to known Adams pictures taken in Yosemite within the time frame of the images under consideration. In the CCP [Center for Creative Photography where Ansel Adams’ papers are maintained], for instance, there are fairly comparable photographs of Bridal Veil Falls, Vernal Falls, Nevada Falls, and Happy Isles thought to be dated around 1925 plus or minus, by Adams himself. Further, I believe that with additional study, it would be possible to date more accurately individual Norsigian images which span the years from 1919 to the 1930s.”

ROBERT MOELLER, ART EXPERT



**AFTER DIRECT EXAMINATION AND ANALYSIS, A WORKING
LARGE FORMAT PHOTOGRAPHER WITH 40 YEARS OF
EXPERIENCE HAS CONFIRMED THAT THE NEGATIVES WERE
CREATED BY ANSEL ADAMS**

"In almost all of the photographs, the compositions are virtually flawless, truly being made by a photographer of singular vision and talent. These were not works by an amateur up for a weekend visit to Yosemite. Comments have been made that many photographers took pictures of Yosemite. And while this is true, by this time most people would have used Kodak Brownies. Glass plate negatives were not for the amateur as a darkroom was necessary and extensive darkroom skills were required to process these very fragile plates. To my knowledge there is no historical record of anyone during this era to have the skills and technical knowledge to work with this combination of equipment nor have the refined eye that was brought to bear on the subject matter.

He was also very careful to include in most of his work some form of atmospheric, such as clouds, dappled sunlight, and even fog. This, as every landscape photographer knows, is an essential component to bringing out the most expressive qualities of the scene that is being photographed. Virtually all of his classic images are noted for the extraordinary good fortune he had in finding images that had this quality. From *Moonrise* to *Clearing winter Storm*, his sensitivity to these components of the natural environment made his images known throughout the world. He was truly one of the great photographic geniuses of the 20th century."

PATRICK ALT, PHOTOGRAPHY EXPERT

THE FORMER DIRECTOR OF THE DUKE UNIVERSITY ART MUSEUM AND CURATOR AT THE MUSEUM OF FINE ARTS IN BOSTON EXAMINED THE EVIDENCE AND CAME TO THE CONCLUSION THAT THE NORSIGIAN NEGATIVES WERE CREATED BY ANSEL ADAMS

"Reaching a conclusion in regard to the attribution of the negatives cannot, in my view, take us to the point of certainty. Only probability defines the limits of the conclusion and its usefulness. Certainty would require nothing less than the artist's word. Short of that a signature, contemporary testimony, additional information and more meaningful evidence, could conceivably, bring further proof to the matter. After more than six months of close study, it is my opinion, within a high degree of probability, that the images under consideration were produced by Ansel Adams."

ROBERT MOELLER, ART EXPERT

THE CUMULATIVE EVIDENCE IS OVERWHELMING

"I HAVE SENT PEOPLE TO PRISON, FOR THE REST OF THEIR LIVES, FOR FAR LESS EVIDENCE THAN I HAVE SEEN IN THIS CASE. IN MY VIEW, THOSE PHOTOGRAPHS WERE DONE BY ANSEL ADAMS."

MANNY MEDRANO, EVIDENCE AND BURDEN OF PROOF EXPERT

"WHEN I LOOK AT EVERYTHING, WHEN I LOOK AT THE TOTALITY OF INFORMATION THAT THEY'VE COLLECTED, THEN I BELIEVE THE REASONABLE PERSON, THE REASONABLE INDIVIDUAL WOULD LOOK AT THIS AND SAY ABSOLUTELY. JUST BETWEEN MR. MUELLER AND MR. ALT, THEY'VE GOT 80 YEARS IN THE PHOTOGRAPHY ART WORLD. THE HANDWRITING EXPERT, THERE AGAIN THAT'S SOMEONE WHOSE BEEN APART OF THAT BUSINESS FOR OVER 20 YEARS."

THOMAS KNOWLES, FORENSICS AND CRIMINALISTICS EXPERT

PANEL OF EXPERTS

STATEMENT OF QUALIFICATIONS

PATRICK ALT

Born in 1950, in Sheboygan, Wisconsin, Patrick has lived in various parts of the country until 1970 when he moved to Southern California to attend California Institute of the Arts. He received a BFA in 1972. Graduate school was completed in 1974 at UC Irvine with a MFA in painting and photography. His first job was exhibition design curator at the Bowers Museum in Santa Ana. In 1976 he relocated to his loft in downtown Los Angeles where he lived continuously for over 25 years. In 2000, he and his wife Melissa moved to their new house in Culver City which he designed and built.

He has been photographing for over 32 years. His photography is represented by several galleries around the country and he has exhibited his work extensively in both group and one man shows. His photographic work continues the tradition of large format black and white photography, concentrating mostly on the platinum/palladium printing process. One of the founding members of the Los Angeles League of Platinum Printers, he exhibited with the group around the country until its demise in 1997.

He uses numerous large format cameras to create his images. These range from 8" X 10", the 12" X 20" banquet camera and the 18" X 22" mammoth plate camera, some of which are up to 100 years old. Many of his images are created using old antique lenses as well, giving a distinctive look to the final print. The main body of his work deals with the nude in the landscape and more recently with rural and urban documentation. His work reflects the Pictorialist's sensibility and their belief in Beauty as the prime source of image making. He had a service to restore and refinish old wooden large format cameras, as well as the manufacturing of wooden large format cameras of his own design. He has currently embarked in a new direction in his work incorporating photographic imagery into large scale constructions, paintings, and sculpture.

ROBERT C. MOELLER

Robert C. Moeller is a recognized professional engaged to help the new or established collector in every aspect of the formation and maintenance of an art collection. Mr. Moeller, for over forty years, has enjoyed the pleasure and privilege of discovering and acquiring fine paintings and works of art for institutional and private collectors. His experience in the field includes six years of specialized graduate training and research in Art History at Harvard University which later prepared him for an appointment as Director of the Duke University Art Museum, and then as a Curator at the Museum of Fine Arts in Boston, where he spent ten rewarding years. As an experienced advisor, Mr. Moeller brings considerable experience and wide ranging interest in diverse fields of collecting. He also maintains strong connections with the art market in the United States and abroad. Above all, Mr. Moeller represents the highest standards of judgment in matters of quality, authenticity and condition of works of art and his integrity is beyond question.

MICHAEL NATTENBERG

Born 14 April, 1936 at Chicago, Illinois. Educated grammar school in Chicago, junior high school at Longfellow Junior High in Fresno, graduated Roosevelt High School in Fresno, June 1953. Attended Fresno State College freshman and junior years 1953-1955. Accepted at and attended the University of Heidelberg, Germany junior year, 1955-1956 and received diploma as interpreter from the Interpreters Institute at the University of Heidelberg, July, 1956. Graduated from University of California at Los Angeles with a bachelor's degree, June, 1957. Completed two years of graduate work at the University of California, Berkeley, 1957-1959.

Commenced study of forensic document examination in 1986 and attended various seminars around the country with experts such as Ted Widmer and Marcel Matley of San Francisco at the International School of Handwriting Science.

Admitted as an expert witness in handwriting examination in December, 1989 in Superior Court, County of Fresno, *McCarty v Selma Honda* for the first time, and subsequently in every California Superior Court for the Counties of Madera, Fresno, Kings, Tulare, Kern, and Los Angeles. Admitted as an expert witness in Federal Court in *re: Fagan*, 1 March 1995, and several criminal trials thereafter.

Appeared as expert witness in US Federal Court ninth District against the Department of Justice, Federal Bureau of Investigation and currently acting as consultant for defense in *US Department of the Interior v Jesse McGill*. I am the handwriting expert of record for the Fresno County Office of the Public Defender and have acted as expert for the Tulare County Public Defender.

Conducted two three-hour seminars on forgery at the National Association of Document Examiners in October, 1993 at San Francisco, and addressed the

annual convention of public defender lawyers on the fundamentals of handwriting identification held in Las Vegas on 30 March, 2003 under the direction of David Rendahl, assistant public defender for Tulare County and under the auspices of the American Bar Association. Currently a member of the National Association of Document Examiners. Attended an international symposium on document examination in Quebec City May 18-21, 2005.

MARCEL B. MATLEY

PROFILE:

Marcel B. Matley has been a document examiner since 1985, providing a spectrum of services in the discipline. His experience includes evaluation of the work product of examiners to unearth their accuracy and/or their mistakes by establishing proper observation, logic, scientific theory and technical methods.

EXPERIENCE INCLUDES:

Assistance in discovering erroneous, incomplete or incompetent opinions regarding documents and handwriting.
Consultant to other document examiners.
Handwriting authentication and signature verification, including numerals.
Genuineness of logs, diaries, and other writings in series.
Determination and demonstration of alterations, deletions or additions to documents.
Formulation of questions for voir dire of opponent's document examiner.
Preparation of pertinent citations for cross-examination from learned treatises.
Identification of the writer of poison pen letters and anonymous writings.
Other aspects of questioned document examination.

CREDENTIALS:

Board Certified, National Association of Document Examiners, October 2000.
Vanguard Network, Board Certified Handwriting Professional, April 28, 1998.
Certification with commendation, Paul de Sainte Colombe Center, January 28, 1981, with
honorary Charter Membership Certificate, April 8, 1982.
Consultant and mentor to other document examiners.
Confidentially consulted by several public agencies on administrative issues.

CLASSES AND LECTURES:

Presentations at NADE Conferences:

2008, Austin, TX: Pre-conference with Jacqueline Joseph, *The Two Pillars of Individuality*

and *Identifiability in Handwriting*.

2007, Tucson, AZ: Pre-conference with Jacqueline Joseph, *Book Smarts for the Document*

Examiner.

2006, aboard *Mariner of the Seas: You're a what? Featuring techniques for inoculating the jury (including CD)*.

2004, Anaheim, CA: Pre-conference: *Daubert and Handwriting Expert. Conference:*

Kumho Case.

2003, New Orleans, LA: *Humorous Moments in History of Handwriting Expertise*.

2002, Ann Arbor, MI: *Examination of Russian Birth Certificates*.

2001, Crawley, England: *Angle Value [jointly with Maureen Ward-Candy]; A Case with the Kinderprint*.

2000, Albuquerque, NM, *How to Read Things Critically*.

1994, Concord, MA, *Answering Challenges on Voir Dire*.

1993, San Francisco, CA, two-day intensive course: *The Physiology and Forensic*

Identification of Handwriting.

1992, Atlanta, GA, *Human Graphic Motor Sequence*.

Poster Sessions at NADE Conferences:

2008, Austin, TX: *Alleged Chinese Suicide Note*.

2004, Anaheim, CA: *INS Case*.

2003, New Orleans, LA: *Daubert*.

2002, Ann Arbor, MI: *Examination of Russian Birth Certificates*.

2000, Albuquerque, NM, *Examination of Graffiti Writing*.

2003 AAHAIAHAF Joint Conference: *Alzheimer's and Handwriting; Linguistic Changes*

in the Normal Elderly [based on two forensic cases and research in academic literature].

2002 AHAF Nor Cal Seminars: *Health and Handwriting*. March: Toomey 's 25
Health
Clues. April: *Review of Research Published in Medical Literature*.
1999 AAHAI AHAF Joint Conference, Post-Conference Workshop: *Physiological*
and
Psychological Foundations [of the production of handwriting]: *Forensic*
Applications.
1998 Vanguard Pre-Conference: *Speed in Handwriting*.
1 997 Vanguard Conference: *Physiology of Handwriting Exemplified by Writer*
's Cramp.
1995 IGS-AFDE Joint Conference: *A Protocol for Research in Disguised*
Handwriting as
Illustrated by Slant.
1995 AHAF Symposium: *The Physiology of Handwriting*.
1993 ABFHA Conference, *Qualzjkations Impeachment*.
1990-1992, organizer, instructor and co-producer with Ted Widmer at the
annual *Seminar in*
Document Examination, in San Francisco.
Lecture series titled: *Seminars and Workshops in Handwriting Sciences*, for
professionals
and advanced students, 1985- 1993.

PUBLICATIONS:

QDE Index: Periodical Articles in English on Document Examination ..., 2008 ed.
Testing the Reliability of Expert Opinions in Texas: Guidelines from Kelly,
du Pont/Daubert and Their Progeny, 2004.
"Indagine Critica Sulla Datazione Della Pasta Biro," pages 204-209 in *Carta &*
Inchiostri:
Tecniche di Accertamento, Pacifico Cristofanelli e Silvio Lena, editors, Ancona,
Italy, AGI,
1999. [Translation of "Dating Ballpoint Inks: A Survey and Critique."
Oh, My aching arm: The cause and cure of general writer's cramp, 1997.
Forgery: Detection and Defense; a Guidebook for the Legal Professional, 1988.
SERIES: STUDIES IN QUESTIONED DOCUMENTS.
1. *Photocopies in Document Examination*.

2. *Exorcism of Ignorance; a Reply From a Handwriting Expert*. 2nd ed: *In the Exercise of Ignorance: Replies to the Critics of Handwriting Expertise*.
3. *Logged Entries: Made Separately or Sequentially?*
4. *Exemplars for Comparison*.
5. *Health and Handwriting, an Annotated Bibliography*. 3rd ed.
6. *Employing and Examining of the Expert*.
7. *Reliability Testing of Expert Handwriting Opinions*.
8. *Signature Disguise by Change of Slant*.
9. *Examination of Russian Birth Certificates*.

Also published in professional journals, including:

Journal of the National Association of Document Examiners

San Francisco Attorney Magazine

Scientific Sleuthing Review

International Journal of Forensic Document Examiners

Vidocq Journal

Practical Litigator

Medical-Legal News.

NOTE: Complete list of professional publications available upon request.

MEMBERSHIPS:

National Association of Document Examiners (NADE). Parliamentarian and Member of Certification Committee.

The Expert Witness Institute (EWI), London, England.

American Handwriting Analysis Foundation (AHAF). Foundation Librarian

Vidocq Society, Philadelphia, PA, Special Member.

The American Society for Testing and Materials (ASTM). Committee E30.

American Association for the Advancement of Science (AAAS).

COURT QUALIFIED WITNESS:

Federal District, Bankruptcy and Immigration Courts; State Courts in California, Texas, New

Jersey, and Hawaii. List of testimonies for past four years available upon request.

EDUCATION:

American Academy of Forensic Sciences, Annual Meetings:

2007, San Antonio, TX.

2005, New Orleans, LA.

2001, Seattle, WA.

2000, Reno, NV.

1998, San Francisco, CA. Saturday: Jurisprudence Section, Erroneous but Convincing: The Courtroom Impact of Evidence Shaping.

Thermo Scientific, all-day seminar. Near-IR Seminar, 2007.

Expert Witness Testimony that Wins, presented by Phil Walker, JD, 2006.

Annual Conference, NADE, May 19-21, 2005, Quebec, Canada.

Adobe Photoshop and Document Examination, intensive workshop by Gary Herbertson,

July 16-17, 2005, Berkeley, CA.

Thermo Scientific, all-day seminar. Vibrational Spectroscopy, 2005.

Seminar on forensic features in handwriting of criminals, conducted by Ted Widmer.

2000 Vanguard post-conference, Forensic Document Examination, by Judith A. Housley.

Oregon Criminal Defense Lawyers Association, Winter Conference, Portland, OR:

1999, Dynamic Cross-Examination.

1997, Expert Witnesses.

Third Annual Conference for Testifying & Consulting Experts, San Francisco, 1996. Also

pre-conference: Preparing for Cross-Examination: Developing 'Active Listening' Skills.

Professional Education Systems, Inc., California Evidence Workshop, San Francisco, 1996.

1979-80 privately instructed by Rose Toomey, author of Health Clues in Handwriting.

Immaculate Heart College, Los Angeles, CA. MALS, June 1963.

San Diego State College, San Diego, CA, 1962-63. Graduate studies, Political Science.

Immaculate Heart Seminary, University of San Diego, San Diego, CA, 1954-60.

Courses included Philosophy, Logic, Rational Psychology, History, Rhetoric.
Saint Francis College, El Cajon, CA, 1952-54. Liberal arts, science.

SPECIAL RESOURCES:

Personal collection of more than 13,000 items in handwriting science, document

examination and case law, along with current subscriptions.

Developed proprietary databases exceeding 12,000 citations to forensic, academic and legal

periodicals and to case reporters. These are all on-going projects.

Haas Atlas, the most complete collection of typewriter fonts.

NADE and AHAF maintain lending libraries of professional literature for members.

Optics such as stereoscopic microscope and other standard tools.

Specialized equipment such as Kinderprint Indentation Materializer (equivalent of ESDA), Video IR and UV, various filters, cameras, magnifiers.

George Wright

Highlights of Professional Experience:

- American Meteorological Society (AMS) Certified Consulting Meteorologist
- BS and MS degrees in meteorology from Rutgers University
- Experienced in preparing reports and expert testimony on past weather conditions including slip and falls, car accidents, flooding, wind incidents and hail damage
- Twenty years of experience as an air quality specialist performing dispersion modeling, air permitting and related environmental analyses
- Presently serving as Chairman of the Atmospheric Sciences Section at the New York Academy of Sciences
- Currently employed as a meteorologist and weather producer for WPIX TV and WABC TV in New York
- Presently employed as a broadcast meteorologist with Cablevision's News 12
- Formerly employed as a technical advisor in the New York City Mayor's Office under Rudolph Giuliani and the Department of Environmental Protection (DEP)
- Former instructor of meteorology at Rutgers University
- Studied air pollution and applied meteorology at the graduate level at Rutgers University and authored a masters thesis on snowfall in the Northeast United States
- Previously employed as a television meteorologist for 10 years on WLNY in New York

Education:

Master of Science, Meteorology, Rutgers University, New Brunswick, NJ
Bachelor of Science, Meteorology, Rutgers University, New Brunswick, NJ

Certifications:

AMS Certified Consulting Meteorologist Certification AMS Seal of Approval for
Television AMS Seal of Approval for Radio National Weather Association (NWA)
Television Seal of Approval (Inactive) Environmental Assessment Association
Certified Environmental Inspector Occupational Safety and Health
Administration (OSHA) 40-Hour Training Course **Employment:**

Meteorologist 1998 to Present Wright Weather Consulting, New York, NY .
Certified Consulting meteorologist and air quality specialist

Television Meteorologist 2006 to Present News 12 Cablevision, Yonkers, NY ·
Meteorologist and broadcaster

Meteorologist & Weather Producer 2004 to Present WPIX TV, New York, NY ·
Meteorologist, weather producer and graphics specialist

Meteorologist & Weather Producer 2006 to Present WABC TV, New York, NY ·
Meteorologist and weather producer for *World News Tonight*.

Meteorologist 1997 to 2007 WLNY Television, Melville, NY · Meteorologist and
broadcaster

Air Pollution & Environmental Scientist 1999 to 2002 LI Engineering Firm,
Melville, NY · Manager of an air quality services division at a private
engineering firm · Performed air quality dispersion modeling, emissions
calculations, Title V permitting under the Clean Air Act, traffic studies and site
assessments · Analyzed traffic noise and performed ambient measurements

Meteorologist 1988 to 1998 Weather Consulting Firm, Hackettstown, NJ · Meteorologist for a firm that specialized in forecasts for private industry, aviation and radio · Prepared past weather reports and testimony on weather conditions for law firms and insurance companies

Meteorologist 1996 to 1997 Dow Jones, Inc., WBIS Television, New York, NY · Chief meteorologist and reporter for a television station in New York City

Air Quality Specialist and Meteorologist 1996 to 1999 Metro Commute, New York, NY · Performed air quality dispersion modeling, emissions calculations, traffic studies and site assessments · Analyzed traffic noise and performed ambient measurements · Forecasted the weather for field work and the firm's web site

Senior Technical Advisor 1995 to 1998 New York City Mayor's Office, New York, NY · Served as environmental advisor and liaison between the Mayor's Office of Environmental Coordination (OEC) and the New York City DEP · Provided technical assistance and managed the New York City's Brownfields Program for the Environmental Protection Agency (EPA) · Performed air quality analyses, traffic studies and noise assessments

Air Quality Specialist 1993 to 1995 New York Department of City Planning, New York, NY · Performed air quality dispersion modeling for mobile and stationary sources · Analyzed traffic noise and performed ambient noise measurements · Review air quality and noise submissions and managed projects

Air Quality Specialist 1991 to 1993 Gibbs & Hill, Inc. New York, NY · Performed air quality dispersion modeling, emissions calculations, Title V permitting under the Clean Air Act, traffic studies and site assessments · Analyzed traffic noise and performed ambient noise measurements · Worked on landfills and toxic waste sites performing technical analyses and Phase II sampling for PCBs and heavy metals

Meteorology Instructor 1989 to 1991 Rutgers University, New Brunswick, NJ · Taught evening classes in meteorology and climatology

Meteorologist 1987 to 1990 WABC Talk Radio, Capital Cities, New York, NY · Broadcast meteorologist for a large radio station in New York City

Soil Erosion Specialist and Meteorologist 1986 to 1989 New Jersey Dept. of Agriculture, Verona, NJ · Assisted in the enforcement of environmental regulations (NJ Chapter 251) related to soil erosion from construction sites in Hudson, Passaic and Essex Counties of New Jersey · Developed soil erosion and hydrological software for use in plan review

· Frequent public speaker on soil erosion, air quality, weather and toxic waste issues at schools and civic organizations · Forecasted meteorological conditions related to flooding and soil erosion

Meteorologist 1987 to 1988 Time Warner Cable, TV-10, Palisades Park, NJ · Meteorologist and reporter for a television station in Bergen County, NJ

Meteorologist 1984 to 1986 Weather Consulting Company, Morristown, NJ · Prepared past weather reports on weather conditions for law firms and insurance companies · Meteorologist specializing in forecasts for private industry, aviation and radio

Air Quality Scientist 1984 Enviroplan, Inc. West Orange, NJ · Air quality scientist for a private consulting firm · Performed air quality dispersion modeling, emissions calculations and Title V permitting

Teaching Assistant 1983 to 1984 Rutgers University, New Brunswick, NJ · Prepared class assignments, graded exams and taught meteorology laboratory · Developed air quality dispersion assignments · Assisted in climatological research · Developed oceanographic computer programs for oceanography courses

Recent Expert Meteorological Studies and Testimony:

· Expert testimony at deposition for a wind case in Leonardtown, MD · Expert testimony at trial for a slip and fall case in Long Branch, NJ · Expert testimony at trial for a slip and fall case in Queens, NY · Expert testimony at trial for a slip and fall case in Newark, NJ · Expert testimony at mediation for a wind incident in Brooklyn, NY NJ · Expert testimony at a hearing for a slip and fall in Long

Island · Expert testimony for a slip and fall incident in New Britain, CT · Deposition expert testimony for a wind incident in Wilmington, DE · Evaluation of the presence of ice for a slip and fall in Brooklyn, NY · Thunderstorm rainfall intensity and duration for a slip and fall in Chicago, IL · Rainfall analysis for San Rafael, CA for a case involving water damage · Determination of the presence of wet pavement in New York, NY · Likelihood of ice accumulation for a slip and fall case in Gloucester, NJ · Snow accumulation on a roadway in Sterling, MA for a car accident claim · Analysis of thunderstorms and hail involving auto damage in Ellsworth, KA · The presence of high winds for an injury claim in Swan Falls, ID · The amount of snow accumulation for a plowing dispute in Plainview, NY · Analyses of the visibility for a traffic accident in Ham Lake, MN · The amount of snow/ice on pavement for a slip and fall in Jersey City, NJ · An analysis of high winds for a construction-related claim in Naples, FL · The presence of ice and fog for a traffic accident in Springfield, MA · Determination of the likelihood of black ice on a sidewalk in Bronx, NY · Analysis of temperature for frozen food transport in Blackfoot, ID · Climatic analysis of peak wind gusts in Lander County, WY · Temperature analysis for a case involving frozen pipes in Yonkers, NY · An analysis of heavy rain for a construction dispute in Moreno Valley, CA · A report on the potential for wet pavement on steps in New York, NY

Environmental Projects and Testimony:

· Air quality analysis for an auto body shop in Brooklyn, NY · Phase I Study, Providence Rest Home, Bronx, NY · Phase I Study, W, 96th St Gas Station, New York, NY · Phase I Study, Western Beef, Staten Island, NY · Air quality expert for the Town of Poquott, NY · Expert testimony on soil erosion for the Town of Roseland, NJ · Air pollution modeling analysis for the SUNY Cogen Facility, Buffalo, NY · Air dispersion analysis of two New York City Con Edison Power Plants · Air permitting for Crestwood Metals, Inc., Bohemia, NY · Air quality modeling and permitting for Prima Asphalt, Inc., Holbrook, NY · Air quality modeling analysis for the Gowanus Expressway, Brooklyn, NY · PSD air quality analysis for New Jersey Steel, Inc., Sayreville, NJ · Emission credit reduction analysis for Rason Asphalt, Inc., Farmingdale, NY · Air quality and noise assessment for the Wakefield Rezoning, New York, NY · Air quality analysis for the Regal Recycling transfer station in Jamaica, NY · Noise analysis for the Queens Boulevard Rezoning EIS, Queens, NY · Air quality and noise study for

the Melrose Commons EIS, Bronx, NY · Development of carbon monoxide screens for the New York City DEP · Dispersion modeling for power plants in Indianapolis, IN and Cleveland, OH · Noise and traffic study for Pilgrim State Hospital in Islip, NY · Phase II field sampling for PCBs/heavy metals at landfills in Canarsie, NY · Indoor air quality sampling for asbestos in a nursing home in Hicksville, NY · Air permitting and noise analysis for an asphalt plant in Farmingdale, NY

Research and Independent Studies:

· A Study of the Weekday Precipitation in Central Park, NY 1999 · A Snowfall Climatology for the Northeast United States, 1993; masters thesis prepared for the Rutgers Meteorology Department · A Rainfall Climatology for Northern New Jersey, 1986; research prepared for a private contractor · Long Term Weather Prediction Using Teleconnection Patterns, 1983; research performed under a grant from the National Science Foundation at the Rutgers University Meteorology Department

Speaking Engagements and Seminars:

. Fox News Channel, New York, NY, 2004 - talk show guest discussing meteorological consulting . State University of New York, Stony Brook, NY, 2002 - guest speaker on meteorology as a career and television broadcasting . Suffolk County Community College, Plainview, NY, 2001 - guest speaker on weather private weather consulting and the media . Rainbow Media, Inc., Upton, NY, 2000 - meteorologist for educational video, Weather: A First Look . American Meteorological Society Annual Conference, Long Beach, CA, 2003 . National Academy of Sciences, Space Weather Presentation, New York Academy of Sciences, New York, NY, 2005

Professional Affiliations:

Member of the American Meteorological Society, Boston, MA Member of the National Weather Association, Raleigh, NC Chaiman, Atmospheric Sciences Section, New York Academy of Sciences, New York, NY

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THOMAS CHARLES KNOWLES

PROFESSIONAL EXPERIENCE

SRA INTERNATIONAL, September 2006 – Present

Hired as a consultant to assist California Homeland Security in the establishment of the Regional Terrorism Threat Assessment Center (RTTAC) & Terrorism Liaison Officer (TLO) program. The RTTAC/TLO Program involves instructing local, state and federal law enforcement, as well as fire and emergency service personnel in the identification of early warning signs and detection concerning potential acts of both domestic and international terrorism.

FEDERAL BUREAU OF INVESTIGATION, 1985 - 2006 (Retired)

Manager, FBI Central California Joint Terrorism Task Force (JTTF), Fresno, CA, July 2002- July 2006. Managed task force consisting of multiple Federal, State and local law enforcement agencies pursuing terrorism related investigations involving central California.

Chief of FBI Violent Criminal Apprehension Program (ViCAP), FBI Academy,

Quantico, Virginia, 2001-2002. Managed analytical and investigative staff pursuing the identification of U.S. based serial killers.

Chief, International Operations Section, FBI Headquarters, Washington, D.C.
1998-2001

Department of Justice, Senior Executive Service (Grade SES-3). Oversaw daily operations of FBI international operations involving 44 international offices and 300+ overseas employees. Administered \$35-million annual budget.

Achievements:

- Championed implementation of and arranged training/information exchanges between FBI personnel and CIA counterparts to improve operational capabilities.
- Chosen by FBIHQ Director in 2001 to lead an FBI team into Afghanistan in pioneering agency effort to establish joint working arrangements with military regarding al-Qaeda activities, ensuring agreements that complemented both organizations' goals and gaining agency access to high-value al-Qaeda detainees. Also established system to allow seized al-Qaeda documents to be exploited by U.S. intelligence organizations.
- Selected by FBI Director to participate in 2000 presidential project to implement U.S.-sponsored Southeast European Cooperative Initiative (SECI), assisting then-ambassador Richard Schifter to create/implement bilateral law-enforcement operations center across 11 involved foreign European nations.
- Requested by FBI Director in 1999 to meet with leading commanders of French, British, American, Bosnian and Croatian groups in assessing feasibility/safety of sending organization's agents to Bosnia-Herzegovina and Croatia relevant to implementation of Dayton Peace Accord.
- Instrumental at improving working relationships with agencies of the U.S. Intelligence Community specifically CIA, DOD & Department of State. Personally developed an instructional course on FBI international operations for outgoing FBI personnel and, which subsequently was adopted for use with outgoing U.S. ambassadors, military attachés, other U.S. intelligence organizations and Department of Justice personnel.

Legal Attaché (Legat), Athens, Greece, 1995-1998

Managed FBI office operating out of U.S. Embassy, Athens Greece.

Responsibility involved the daily operation and oversight of predominate International Terrorism & Russian Organized Crime investigations involving Greece and 12 other nations across a geographical area which included the

Balkans, the former USSR “Stan” countries, as well as several Middle Eastern countries to include Lebanon, Syria, Cyprus and Israel.

Achievements:

- Successfully established first-ever FBI international terrorism task force involving the FBI and Greek counter-terrorist law-enforcement group, which ultimately dismantled terrorist group 17 November.
- Leveraged strong Greek relationships to reach agreement allowing FBI to deploy personnel to Greece to collaborate with Greek authorities in investigating the downing of TWA Flight 800.
- Established and developed pioneering relationships and information exchanges with former Soviet Union breakaway states.
- Revived working/operational relationship with U.S. intelligence community and Lebanese officials in Lebanon to target potential terrorist subjects, opening communication channels closed since Lebanese civil war.

Additional Experience:

Supervisor of FBI International Terrorism-Radical Islamic Extremist Matters, FBI Headquarters, Washington, DC, 1991-94.

Lead HQ supervisor of the NY terrorist plot to blow up both the Lincoln and Holland Tunnels. Seventeen Islamic Extremist arrested, convicted and sentenced to life in prison.

Drug/Gang Enforcement, Los Angeles FBI, CA; 1989 – 91. Working as an Investigator, worked Los Angeles street gangs with local law enforcement task forces, as well as Asian and Russian Organized Crime matters.

General crimes investigations, Oklahoma Division, FBI 1985 – 89. Pursued violations of federal crimes such as white collar crime, bank robbery’s, political corruption, interstate groups and/or organizations.

Police Officer, Fresno Police Department, Fresno, CA; U.S. Army Military Police, Investigator, U.S. European Command, Stuttgart, Germany.

Specialized Experience:

Worked diplomatic protection while with the military. Member of both police and FBI SWAT teams. Worked closely with U.S. Congress, U. S. State Department and American Intelligence community. Worked inside several U.S. Embassies dealing with foreign governments on legal/judicial matters of mutual interest. Worked with U.S. and friendly foreign militaries in an active war zone. T

Traveled and worked extensively in the world law enforcement community representing the FBI.

Professional Consulting -

Book- Blood of Others, Authored by Rick Mofina, published by Pinnacle Books. Provided investigative authentication concerning serial killing investigations and the use of the FBI's ViCAP system.

TV Documentary- No Access, Inside the FBI, Produced by The Donna Canter Co. for Discovery Channel. Provided detailed interview concerning FBI's ViCAP (serial killer) program.

Book- The Bureau: The Secret History of the FBI, Authored by Ronald Kessler, published by St. Martins Publishing. Provided FBI investigative authorities, procedures and policies concerning international investigations.

TV Series- Without a Trace, written by Hank Steinberg, produced by Jerry Bruckheimer Studios. Provided technical and investigative expertise in the development of the pilot.

Movie- Eagle Eye, Directed by D.J. Caruso, Co-Produced by Steven Spielberg, Dreamworks Studios. Provided FBI technical expertise to actors, assisted in script writing changes with writers, assisted PropDepartment in authenticating FBI scenes.

TV Series- Fringe, written by JJ Abrams and Alex Kurtzman, Fox Studios.
Provided FBI technical expertise during the development of the pilot,
conversed/educated the actors concerning their roles as FBI employees.

Manny Medrano

Manny Medrano is an Emmy award-winning broadcast journalist and experienced trial attorney. He represents and advises clients in a broad range of civil litigation and criminal investigations and trials. Before founding Medrano & Carlton, Mr. Medrano was Of Counsel with the international firm Sonnenschein Nath & Rosenthal, and an associate with Cox Castle & Nicholson, where he successfully conducted complex business litigation in state and federal courts, including government and commercial contracts, qui tam/whistleblower suits, employment law, construction defect and premises liability. He also focused on white collar defense and investigations, and is experienced in winning appeals in California state and federal appellate courts. Mr. Medrano also served as a federal prosecutor for ten years in the Los Angeles U.S. Attorney's Office, where he was a trial attorney and supervisor of several sections. He served as Chief of the Asset Forfeiture Section, and Deputy Chief of the Criminal Complaints Unit.

He tried 60 cases to verdict, never losing a jury trial. As a lead prosecutor he tried numerous precedent-setting cases, including, with partner Mr. Carlton, the 1985 kidnapping, torture and murder of DEA Special Agent Enrique Camarena in Mexico, for which he received the prestigious Department of Justice Director's Award for Superior Performance. During Mr. Medrano's decade as a federal prosecutor, he conducted lengthy grand jury investigations, and prosecuted cases involving complex financial crime and RICO, narcotics, government fraud and violent crime.

He was recognized for his outstanding government service with numerous awards and commendations from federal investigative agencies, including the DEA, FBI, ATF, and IRS, among others. A highly gifted and sought-after speaker, Mr. Medrano served as a Lecturer and Group Leader for the U.S. Attorney General's Trial Advocacy Program.

He is an Adjunct Professor of Law at the University of Southern California Law School, Loyola Law School, Pepperdine University School of Law and Southwestern University School of Law, where he has taught Evidence, Trial Advocacy, Ethics and Negotiation. Mr. Medrano has lectured at numerous

training sessions for state and federal law enforcement officials around the country. He is a featured keynoter and panelist at bar and judicial association conferences on a wide range of legal and media topics. He has served as a Judge Pro Tem in Los Angeles County. Mr. Medrano is a cum laude graduate of Harvard College and Harvard Law School.

He has distinguished himself as an Emmy and Golden Mike award-winning reporter/anchor for KTLA News and KNBC News in Los Angeles, and is a former member of the prestigious ranks of the U.S. Supreme Court press corps, where he served as a Supreme Court/Legal Affairs correspondent for ABC News in Washington, D.C. He appears regularly as a legal commentator on network and local television and radio programs, including ABC, NBC, CNN, MSNBC, CNBC, E! Entertainment and NPR.

He is admitted to practice in federal and state courts throughout California, and the Ninth Circuit Courts of Appeal. Mr. Medrano was named to Hispanic Business Magazine's "100 Influentials List 2005," and has been profiled and quoted in numerous publications, including the Wall Street Journal, New York Times, Los Angeles Times and Los Angeles Daily Journal. Mr. Medrano is fluent in Spanish and active in numerous charities. He has received numerous awards and recognition for his work benefiting the community from members of Congress and state legislators, as well as corporations, government agencies, non-profit entities and universities.