



Curriculum Vitae

Edward John Primeau, CCI, CFC

**1703 Star Batt Drive
Rochester Hills, MI 48309**

**248-853-4091
Direct**

**800-647-4281
Toll Free**

**248-659-1696
Fax**

Ed@PrimeauProductions.com

www.primeauforensics.com

www.audioforensicexpert.com

www.videoforensicexpert.com

**©2017
Revised January of 2017**

In 1979, I began my career as an audio engineer and was trained to record and edit spoken word recordings such as training tapes and audio books. I remained a dialog editor using razor blade editing as the only form of audio editing available back then. I used my audio perception (not visual perception, which is how audio editing is executed today) to match voice tone and levels, as well as create smooth content and flow for these products.

While employed at Ambience Recordings, I conducted my first audio forensic examination for the FBI in Detroit (case information available on the audioforensicexpert.com blog). In 1987, I left Ambience to pursue my career as a forensic expert.

I attended the University of Detroit from 1979 to 1985 with my major in communication studies and a minor in criminal justice (transcript available upon request). While at the University, I was a probation officer for the 53rd District court in Troy, Michigan under Judge Drury.

Since then, I have completed hundreds of successful audio and video forensic investigations, testified in Local, State and Federal courts across the United States and worked on various International cases.

I am a member of AES, ACFEI, and IAI. I am a Certified Criminal Investigator (CCI) and a Certified Forensic Consultant (CFC), as well as a member of the **American Board of Recorded Evidence** with the American College of Forensic Examiners International.

I help courts and law enforcement agencies understand the science and technology of audio and video forensics. Voice identification is one of my most sought after services at Primeau Forensics followed by audio and video authentication, clarification/enhancement.

With regard to voice identification, it is scientifically known that we all have distinctive characteristics to our voice and words as well as how we pronounce those words. Each of us has a unique nasal cavity, larynx, teeth, tongue, and mouth. These distinct characteristics all come together and create a unique sounding voice that can be examined and analyzed to determine if the voices in question are from the same person.

My forensic philosophy is that authentication and clarification of audio/video media combines art as well as science. The methods that I use require attention to detail and scientific principles, complemented by an appreciation for clarity and aesthetics. My techniques are derived from both a formal education and the application of skills gained by working in many forensics situations.

I also look at forensics as an experimental science because there are no two cases that are the same. As a forensic expert I conduct experiments that include variables and that measure how each outcome pertains to the scientific aspect of the case at hand. My forensic processes that I use to arrive at my opinions are accepted in the scientific community and are structured and methodological. I always take scrupulous (work product) notes that are a part of each case.

I have provided audio restoration of informant wire recordings that served as key evidence in convictions involving two Detroit area judges. In the course of my career, I have completed dozens of forensics-focused assignments for attorneys throughout the United States. I have testified in Federal, State and Local courts, as well as the Judicial Tenure Commission and the Michigan Public Service Commission.

Education and experience:

- **1979-1985:** University of Detroit (Communications major, Criminal Justice minor)
- **1978-1981:** Probation Officer, 53rd District Court, Troy, Michigan
- **1980-1988:** Ambience Recording Studio, Audio Engineer/National Sales Manager
- **2013-2014:** I worked with body camera manufacturer, VIEVU, based in Seattle, Washington, to help their research and development of their body worn cameras, which are primarily sold to more than 4,000 agencies in 16 countries. My team and I helped them test the field of view (FOV) for their cameras. We researched the various FOV options to learn what degree of a lens was most optimal in body worn camera situations for forensic enhancement applications.
- **2016:** Gave a presentation during the seminar 'More Than Meets the Ear: Audio Forensics from JFK to Trayvon Martin' at Duquesne University in Pittsburgh, Pennsylvania on September 9th, 2016

Organizations, memberships and certifications:

- Member of the Association for Information Science and Technology (ASIS&T)
- Member of the American Board of Recorded Evidence (ABRE)
- **1996 – present:** TASA audio and video identification/restoration/authentication expert

- **2006:** Member of International Association for Identification
- **2005:** Member of Audio Engineering Society
- **2006:** Member American College of Forensic Examiners
- **2010:** April 20, 2010 approved by ACFEI as a Registered Investigator (RI)
- **2012:** Earned certified forensic consultant designation (CFC)
- **2014:** Received Diplomate Status with ACFEI

Media and Publications:

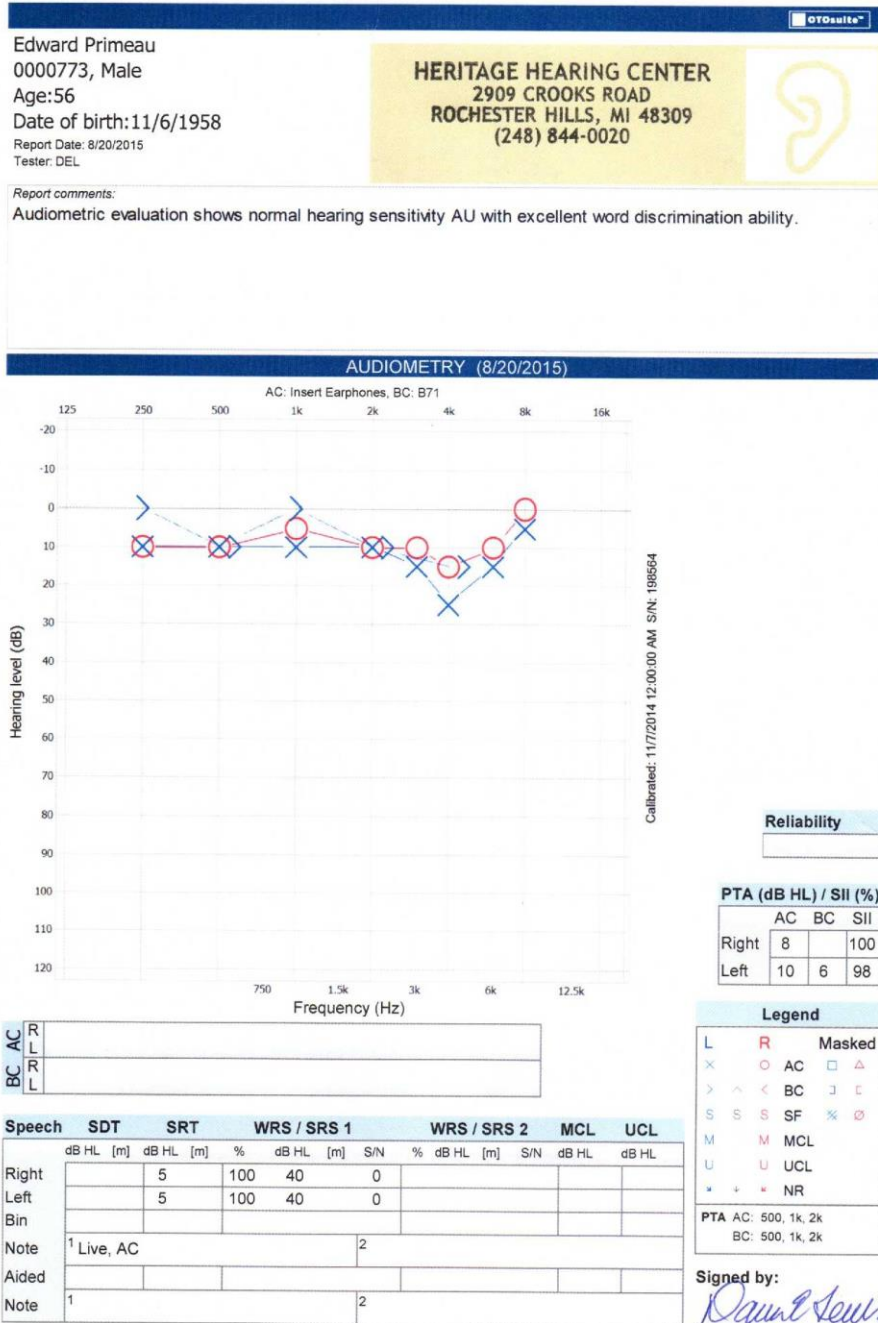
- Interviewed by Adobe regarding my use of their software:
<http://www.images.adobe.com/content/dam/Adobe/en/customer-success/pdfs/primeau-forensics-case-study.pdf>
- I authored the peer reviewed book “That’s Not My Voice! A Practical Understanding of the Art and Science of Modern Voice Identification”
- Served as Voice ID expert for the Wall Street Journal
- Published author of audio and video forensics articles (LEVA, Homeland Security magazine, American College of Forensic Examiners International, National Speakers Association). Articles available upon request
- Completed Voice ID for local News Channel WDIV regarding allegations against Warren, Michigan Mayor Jim Fouts

Training and Workshops:

- **2008:** Completed video analysis training with Pelco Global Training Institute

- **2013:** Completed training in Forensic Authentication of Digital Audio at the National Center of Media Forensics in September of 2013
- **2014:** Attended and took the classes at the 99th IAI International Educational Conference. Course topics included:
 - Forensic Digital Image Processing Tips and Techniques
 - The Fundamentals of Processing of Digital Evidentiary Photography
 - Introduction to Forensic Gait Analysis
- **2014:** Completed Resolution Video's Workshop: Digital Video Processing Techniques in September of 2014
- **2015:** ASIS&T Webinar: Digital Preservation Metadata and Improvements to PREMIS in Version 3.0
- **2015:** Completed Voice ID and Speech Analysis training with Owen Forensics in November
- **2016:** Completed Resolution Video's Workshop: Digital Video Evidence Recovery in September of 2016

2015: Completed a Word Discrimination Test at Heritage Hearing Center in Rochester Hills, Michigan. Results below:



As an audio and video forensic expert, I perform a multitude of forensic services, which are outlined below:

AUDIO FORENSIC SERVICES

Digital Audio Authentication
Analog Audio Authentication
Voice Identification/Recognition
Digital Audio Enhancement
Analog Audio Enhancement
Court Room Testimony

VIDEO FORENSIC SERVICES

Digital Video Authentication
Analog Video Authentication
Digital Video Analysis
Analog Video Analysis
Digital Video Clarification/Enhancement
Analog Video Clarification/Enhancement

The following is a list composed of cases I have testified in.

US Cases:

1. DiGiacomo & Baffa
16th Floor
1601 Market Street
Philadelphia, PA 19103

Defense

Audio Authentication

Fitzgerald V. Skobeloff

I provided forensic services for the plaintiff with counsel DiGiacomo in a medical malpractice suit against a doctor (Skobeloff) and hospital. The case involved a phone answering machine tape erasure – accidentally erased by court reporter. I confirmed the erasure and explained the information could not be recovered. **I testified in this case in Delaware County, Pennsylvania Circuit Court.**

2. Attorney Camille Conway
Pugh, Jones & Johnson
180 N. LaSalle St.
Suite 2910
Chicago, IL 60601

Prosecution

Video Authentication

E2 Disaster

People ex rel. City of Chicago V. Le Mirage, INC.

This was the well-publicized Chicago nightclub stampede disaster that made national news. I was retained by the city attorney of Chicago to examine a nightclub's digital surveillance system. The system had been tampered with and the original footage was not available to examine.

Several people were trampled while trying to evacuate a nightclub on Michigan Avenue. The surveillance system incorporated a digital video recorder. One of the owners was behind the accidental erasure of all video evidence.

3. Attorney Patrick Coolahan
Coolahan, DeMeo & Beard, P.C.
1900 Spring Rd., Suite 508
Oak Brook, IL 60523

Defense

Video Clarification

People of the State of Illinois V. Michael Hay

I provided forensic services for the defendant as a video expert. A CCTV video tape of a (jewelry store) robbery was provided and I captured some frames from the surveillance video and clarified them. I then made several prints of the captured video frames and sent the prints and video files (on a CD). **I testified to my findings in the DuPage County Circuit Courthouse, located at 1900 Spring Rd., Oak Brook, IL 60523.**

4. Attorney Mark Bendure
Bendure & Thomas
577 E. Larned, Suite 210
Detroit, MI 48226

Defense

Audio Authentication

The Judicial Tenure Commission V. Ferrara

I provided forensic services for the defendant, Judge Ferrara, with Counsel Mark Bendure. My responsibilities included voice identification and examining the tapes for tampering. The Executive Director, Allen Sobel, represented the JTC. **I testified in this case in Detroit, Michigan in front of the Judicial Tenure Commission.**

5. Attorney Margolis Edelstein
1500 Grant Building
Pittsburgh, PA 15219-2203
(412) 281-4256

Prosecution

Video Authentication

David Brinker V. Municipality of Marysville

I provided forensic services for the Municipality of Marysville to analyze general police department tapes for authenticity and possible alteration. I was hired by the police department in Marysville, Pennsylvania. **I testified via telephone.**

6. Attorney Charles McKinney
Columbus, Ohio

Defense

Audio Authentication

March 2006

People of Ohio V. Wendell Jackson

This is a criminal case **I testified** in where a CI made audio cassette recordings of a police officer during business transactions. He tried to entrap the officer with receiving stolen merchandise. I examined the cassette recordings **and testified in the Federal District Court of the Southern District of Ohio, Eastern Division Courthouse in Columbus, Ohio** for this criminal case and determined that they could not be authenticated. We won the case which went on to a civil case I also testified in.

7. Ron Snyder
Columbus, Ohio
614-461-4455

Plaintiff

Audio Authentication

March 2006

State of Ohio V. Wendell Jackson

This is the civil case as described above held in City Hall in Columbus Ohio. **I testified** on behalf of Wendell Jackson, the plaintiff, on March 29th 2006, **in the US Court of Appeals for the District of Columbia Circuit.**

8. Attorney Steven Potter
2701 Cambridge Court, #223
Auburn Hills, Michigan 48326
248-377-1700

Defense

Video Forensic Analysis

Haddad V. Indiana Pacers

I was the video expert for the defense, the Indiana Pacers, during this one week trial, took the stand once to explain the video evidence I had assembled from all network sources, including ESPN, Fox Midwest and WB20. **I testified in The United States Federal District Court, Eastern Division of Michigan.** The jury returned a not guilty verdict on behalf of the Pacers.

9. Attorney Garry Weiss
Merrillville, Indiana
219-736-5297

Defense

Video Authentication

State of Indiana V. Wesley English

Judge Thomas Stefandaker, Jr.

This is a criminal case in the **Circuit Court of Lake County, Illinois** in front of Judge Thomas Stefandaker Jr. that involved analog video tape.

I was retained by the defense to prove to the court that video evidence submitted was not reliable as video evidence and should not be used in the trial. **I testified** on behalf of the defendant Wesley English.

10. JKD Diamond Brokers
Attorney Dianne Marx
Dayton, Ohio
937-222-2500

Defense

Video Authentication

November 2008

U.S. Gold and Diamonds V. JKD Diamond Brokers

This case was in the Federal Court in Dayton Ohio on November 3rd, 2008. It involves my examination of an Integral Technologies digital video CCTV system examination and authentication of video evidence and the operational characteristics of the system itself. Although I did not testify at trial, I worked closely with the attorneys to have the opposing expert removed from the case and helped write numerous interrogatories that eventually proved the evidence was altered.

On November 24th 2008 the jury awarded my client a total of 6.9 million dollars in loss and compensatory damages as well as legal fees.

A letter from my client reads:

Ed,

Just writing to let you know the jury came back with a very favorable verdict: \$8,400 which represents the actual cost of the diamond, plus the cost of shipping (\$400); \$1.7

million representing the wholesale price of the diamond and \$2.3 million which represents the retail value. We are entitled to treble damages on the \$2.3 million. We couldn't have done it without you! We, obviously, are very, very pleased, as is Mr. Stafford. Thank you again for all your help.

Patty

Complete article appears in the Dayton Business Journal November 25th 2008.

Link to article: <http://dayton.bizjournals.com/dayton/stories/2008/11/24/daily21.html>

11. Attorney Jerry McHenry
Columbus, Ohio
614-466-5394
Ohio Public Defenders Office

Defense

Video Authentication

State of Ohio V. James McClellan

I testified in this video case held in the Allen County Court of Common Pleas and helped the court understand the details about a poor quality police car video tape of a traffic stop.

12. Jeff Updyke
Attorney Patrick Dunn
2701 Cambridge Court, #223
Auburn Hills, Michigan 48326
248-377-1700

Defense

Voice Identification

July 2009

People V. Jeff Updyke

I testified in the 37th District Court of Warren, Michigan on July 23, 2009 in a criminal matter where Jeff Updyke was accused of impersonating a police officer. The perpetrator called and left a voice mail message claiming the family's daughter was dead behind a shopping center and had overdosed on heroin. This was a voice identification case which included evidence recording and exemplar created by me here in our Rochester Hills location.

13. William Poss
Attorney R. Parker McFarland
Cumming, Georgia
770-889-2522

Defense

Audio Authentication

State V. Poss

I testified in the Superior Court of Forsyth County in Georgia about an original digital audio recording that had been intentionally deleted. A copy of the audio was admitted into evidence and I testified why that was not an actual original.

14. Louis Moux
Co-council: Thomas Sullivan
646-247-0346

Renee Hill Law Offices of Murray Richmond
Bronx, New York
718-892-8588

Defense

Video Clarification and Video Authentication

People V. Louis Moux

I testified in the Bronx Supreme Criminal Court in New York about a digital video file being used as evidence that was not an original. It included anomalies and could not be authenticated.

15. Mack Brooks
Attorney Mary Hickey
313-331-8262

Defense

Video Authentication

People V. Mack Brooks

I testified in the Hancock County Common Pleas Court in Ohio about a CCTV police car video being used in the trial of Mack Brooks.

16. Attorney Maureen Williams
829 Commerce Building
416 Main Street
Peoria, IL 61602
309-999-1177

Defense
Video Authentication
February 2011

People V. Awad Rasras

I testified in the Henry County Court in Illinois for an appeal to reconsider a previous decision. A digital video recording was used to convict in the original trial. My report convinced the judge to allow me to examine the video and hear my findings.

17. Thomas Rooney
9150 South Hills Blvd.
Cleveland, OH 44147

Union Arbitration Hearing
Voice Identification
April 2011

I was retained to identify a threatening voicemail message left on a supervisor's voicemail system. My work was successful and during my testimony at the hearing, the accused admitted responsibility.

18. Chuck Upchurch
Rochester Hills, Michigan

Defense
Video Clarification
2011

People V. Chuck Upchurch

This is a case where the probable cause was not clear as submitted by an Oxford, Michigan police officer. He stopped Mr. Upchurch because of the wrong color license plate tab. I clarified the police car video showing the tab was the correct color, eliminating probable cause and winning the case for the defense. **I testified in the 53-2 District Court in Rochester Hills, Michigan in front of Judge Julie Nicholson.**

19. Attorney Lisa Scolari
Law Office of Lisa Scolari
20 Vesey Street, Suite 400
New York, NY 10007

Defense

Video Clarification

March 2013

United States of America V. Anthony Boykin

US District Judge Colleen McMahon

I was able to restore and clarify images from a video to assist in this case for which **I testified in the US Federal District Court in the Southern District of New York.**

20. Attorney Shannon Smith
The Law Office of Shannon M. Smith, PC
122 Concord Road, Suite 102
Bloomfield Hills, MI 48304
248-636-2595

Defense

Digital Video Authentication
March 2013

People V. Mood

Homeland Security conducted the investigation for this case and were using the images for conviction. **I testified in the Oakland County Circuit Court in the state of Michigan** that the images could not be compared due to the resolution and format.

21. Attorney Dan Sussman
1017 N. Calvert St.
Baltimore, MD 21202

Defense
Sound Identification
June 2013

State of Maryland V. Richard Heymann

I testified in Baltimore County Circuit Court in Maryland to demonstrate to the Court that a 911 audio recording had one gunshot instead of two.

22. Eric Litwin
Attorney Nenyé Uche
661 W. Lake Street
Chicago, IL 10075

Attorney Tamara Walker
1016 W. Jackson, Suite I

Chicago, IL

Defense

Video Authentication

July 2013, October 2013, February 2014

People V. Eric Litwin

I testified, twice, in the LaSalle County 13th Judicial Circuit Court in Illinois in front of Judge Ryan on a motion to dismiss hearings and a third time at trial for this video authentication case. I authenticated video from both the Utica Police Department and the Illinois Police Department.

A review from Attorney Nenyé Uche reads:

“Ed Primeau is the best at what he does! As a trial attorney, I depend on experts to educate me in the relevant field for which they are hired. My focus has always been on finding an expert who not only simplifies the subject area, but is also creative in approach. I recently had a case in which I needed an audio and video forensic expert. I found Ed. Ed is a genius and was absolutely amazing in front of the jury.”

On September 17, 2015, the plea of guilty was reversed by the Appellate Court of Illinois, Third District.

23. Attorney Ilyas Rona
Millighan Coughlin
Seven Liberty Square – 2nd Floor
Boston, MA 02109

Civil Case – Plaintiff

Digital video enhancement

September 2013

**Jorge Correia and Cathleen Runnals V. The town of Framingham,
Scott Brown, Brian Blue, Dinis Avila and Michael Stratton**

**I testified in the United States Federal District Court of
Massachusetts** on digital video enhancement from a surveillance video
that had recorded a confrontation taking place

24. Officer Steve Hicks
Evansville, IN
812-629-3260

Defense

Video Enhancement

**Police Department Internal Affairs Investigation
2013**

Steve Hicks V. City of Evansville, Indiana

In October 2013 I was retained by Officer Steve Hicks of the Evansville, IN
Police Department. Officer Hicks was under departmental investigation,
based on a citizen complaint from a visit to a local bar. I examined video
from security cameras both inside and outside the establishment. **I
testified in this case but the testimony was not effective due to the
fact that I was not able to examine the actual video cameras or
equipment.**

25. Shirley Bolton
Attorney Ken Ravenell
1 S. Street, 23rd Floor

Baltimore, MD 21202

Attorney Stanley Reed
3 Bethesda Metro Center
Bethesda, MD 20814

Criminal Case - Defense
Video Authentication
2013/2014

State of Maryland V. Shirley Bolton

I testified on surveillance video for this case at the Ellicott City Circuit Court House in Maryland. I recovered video evidence from a home surveillance system in order to enhance and identify a series of events that took place. After the evidence was recovered, I assisted the defendant and the court with the ability to view this video during trial and the sentencing hearing.

26. Attorney Jeff Perry
7240 Muirfield Drive, Suite 120
Dublin, OH 43017

Civil Case
Audio Authentication
December 2014

Kovach V. Kovach

I was retained to conduct an authentication on a digital audio recording that was used as evidence in this divorce case. I discovered the audio was

edited and **testified accordingly at Licking County Court of Common Pleas in Newark, Ohio.**

27. Attorney Tom Barr
PO Box 756
Nasville, IN

**Criminal Case – Defense
Audio Authentication
September 2014**

State V. Bailey

I was retained to conduct a digital audio authentication examination in this criminal case. I discovered the audio was edited and **testified for six hours in Judge Stephen Heimann’s Court in Bartholomew County Circuit Court.**

28. Veronica Bindrim-MacDevitt
Office of the Attorney General
Medicaid Fraud Control Unit
300 Motor Parkway, Suite 210
Hauppauge, NY 11788

**Criminal Case – NY Attorney General Suffolk County
Video Forensics
May 2015**

People V. Kethlic Joseph/Medford Center for Living

I worked for the New York Attorney General to create a side by side demonstrative video from a four hour period of CCTV surveillance footage from a nursing home. **I testified in the Arthur Cromarty Court Complex in front of 2 grand juries and Judge Collins.**

29. Attorney Andrew St. Laurent
New York, New York
646-248-6010

Plaintiff

**Analog and Video Authentication
July 2015**

Stern V. Shammas

I was retained to authenticate analog and video recordings. **I testified in Federal Court in the Eastern District of New York** before Judge Nicholas G. Garaufis, both with and without presence of the jury.

Subsequent to my testimony, Attorney St. Laurent wrote:

"I just wanted to say thank you for your incredible contribution to our case. Your work, your testimony and your dedication to the case were all first rate. We are still continuing the case and the outcome is obviously yet to be determined but I know you made a critical contribution to our case."

30. Jonah Stevens
Hamilton and Stevens, PLLC
180 Town Mountain Road, Suite 113
Pikeville, KY 41502

Criminal Case – Defense

Video Enhancement

March 2016

Commonwealth V. Elkins

I forensically enhanced and stabilized video evidence extracted from YouTube. **I then testified in the Pike District Court, Division I, in Pikeville, Kentucky** about the forensic identification and analysis I performed on the video.

31. Attorney David Kramer
42400 Grand River Ave
Novi, MI 48375
248-348-7400

Criminal Case - Defense

Video Analysis and Enhancement

May 2016

People V. Djordje Jankulov

I analyzed and enhanced a Novi Police Dash Cam video to present to the Trier of Fact to determine if the vehicle crossed the center line. I played my work product at the bench trial and **testified in the 52nd District Court in Novi, Michigan** before Judge Travis Reeds.

32. Art Jensen
Houghton Lake, MI

Criminal Case - Defense

Video Enhancement and Authentication

May 2016

Patrick and Merry Hitchcock V. Art Jensen

I was retained to enhance CCTV footage of vandalism that occurred on Mr. Jensen's property. **I testified at a PPO Hearing in the 34th Circuit Court in Roscommon, Michigan** before Judge Robert Bennett.

33. Kelly Sassarini
Attorney Rosalind Lee
474 Williamette Street, Suite 302
Eugene, Oregon 97401
541-485-5110

Criminal Case - Defense
Video Authentication
July 2016

State V. Sassarini

I testified at a Motion in Limine hearing at the Circuit County Court of the State of Oregon in Curry County that the 3 video clips I was asked to authenticate were not original.

34. Kendra Lane
Attorney John E. Curran
Curran & Associates
3750 Osage Beach Parkway, Suite 100
Osage Beach, Missouri 65065

**Criminal Case - Defense
Video Enhancement CCTV Surveillance
August 2016**

State V. Timothy Barb

I testified in Randolph County Circuit Court in Huntsville, Missouri
about a CCTV video recording from a convenience store for the Defense.

35. Chris Trainor
9750 Highland Road
White Lake, Michigan 48386

**Evidentiary Hearing
Forensic Video Analysis
November 2016**

**Michelle Van Buren, Personal Representative for the Estate of
William Reddie, deceased and William Reddie V. Crawford County,
City of Grayling, John Klepadlo and Alan Somero**

**I testified at this evidentiary hearing in Judge Thomas L. Ludington's
Court on Washington Ave. in Bay City, Michigan.**

36. Megan O'Reilly
Blackburn Domene & Burchett
614 W. Main Street
Suite 3000
Louisville, Kentucky 40202

Civil Case

Forensic Video Analysis and Video Enhancement

January 2017

Charlestine Lindsey, et al. V. Louisville SW Hotel, LLC, et al.

I testified at the Circuit Court located at 700 West Jefferson Street in Louisville, Kentucky in regards to CCTV footage of a drowning in a hotel pool.

International Cases:

37. Trond Sefatsson
Rattskonsulterna AB
Box 55509
102 03
Sweden

Forensic Video Analysis

I was asked to examine still images from a bank robbery committed in Nassjo, Sweden in 2002. I was able to determine the number of people in the images as well as their height.

38. Lionel Tavera
Lieu-dit Curtanile
20231 Venaco
Corsica, France

Voice Identification

I conducted voice identification for this case from a DVD. I was able to determine whether or not Mr. Tavera's voice was part of a song featured in the film.

39. Indian Forensic Lab
Delhi, India

Audio Authentication

I was asked to conduct an investigation in regards to an audio recording. I was able to discover if there were any edits or anomalies in the recording.

40. Lila Pigliafiori
Mount Isa, Qld
Australia
M: 0439-164-713

Video Enhancement

I clarified and enlarged images from a surveillance video that showed an incident with an individual being struck by a car door. I was able to prove that the individual did not suffer the amount of physical injuries they claimed to from the door, but instead, that the injuries occurred after the incident when the individual instigated a fight.

An email from my client reads:

Hi Ed and Mike,

Just thought you may like to know how the court matter turned out. We won! All charges dismissed. No conviction and all thanks to the video.

Thank you.

Regards,

Lila Pigliafiori

Law Enforcement Section:

The following is a list of cases that I was retained to work on for different law enforcement departments across the US.

41. Sergeant Brad Wagner
Washington DC Municipal Police Department

Internal Affairs - Defense

Voice Identification

I worked for the defense on this internal affairs investigation. I generated a report but I did not testify.

42. Sgt. Kirk Deeken
St. Louis Metropolitan Police Department
1200 Clark Avenue
St. Louis, MO 63103

Internal Affairs

Audio and Video Enhancement

I was retained by the St. Louis Metropolitan Police Department Internal Affairs to conduct audio and video enhancement on a dash cam footage of a high speed police chase and OnStar satellite audio recording.

43. Detective Dorothy Peterson
Sparks Police Department
1701 E. Prater Way
Sparks, Nevada 89434

Prosecution

Video and Audio Clarification

I assisted Detective Peterson and the Sparks Police Department with both the audio restoration and transcription of a seven hour interrogation video. I did not testify in this case, however, I was on the witness list for the prosecution.

A portion of an email from Detective Peterson after the trial:

'I wanted to thank you once again for all your hard work, dedication, and your amazing assistance in cleaning up the noise in the interview recording. I cannot begin to tell you how helpful you were and how helpful the DVD was in this case. But no matter how thankful I am, I am sure that if my 2 ½ year victim's mommy had the information regarding the work that you put in and the time you dedicated, she would be even more grateful. I feel blessed to have been able to work with you even if it was over a very long distance.'

44. Detective Boulet
West Bloomfield Township Police
West Bloomfield, MI

Prosecution

Audio Enhancement and Sound Identification

The People of the State of MI V. Sandra Layne

I worked for the West Bloomfield, Michigan PD to identify and determine the number of shots that were fired during a homicide.

The following is a list of recent depositions that I have given:

1. Deposition for Danny Henderson:

Murphy V. Southeastern (6/16/15)

2. Deposition for Chris Trainor:

Michelle Van Buren V. Crawford County, City of Grayling, John Klepadlo and Alan Somero (9/10/15)

3. Deposition for Fred Bean:

Pamela Graszl V. Board of Education of Bloom-Carroll Local School District (9/14/15)

Publications:

Contributed to an article as voice ID expert for the Wall Street Journal:

Article:

THE WALL STREET JOURNAL.

WSJ.com

Yup, It's Him: A Pynchon Mystery Solved

Last Tuesday, long-suffering fans of the reclusive writer Thomas Pynchon received a double gift. Pynchon's latest book, "Inherent Vice," a stoned-out detective story set in early-'70s L.A., was released by Penguin Press (read the [Journal's review](#)). And to promote it, the publisher put out a [cool video trailer](#) featuring a narrator whose slow, lazy cadence sounds suspiciously like that of Pynchon's, as evidenced by a guest appearance on "[The Simpsons](#)" and this clip from what appears to be a [German TV spot](#). Inquiries by [GalleyCat](#) and others as to whether Pynchon is the guy channeling the novel's main character, beach bum private eye Doc Sportello, have been met with "no comment" from Penguin Press and the video's producers, Meerkat Media. And, of course, the man himself is mum (Would Pynchon fans expect anything else?).

In an effort to solve the mystery, Speakeasy did a little sleuthing and called Ed Primeau, a Michigan-based sound engineer and voice identification expert. Like handwriting analysis, voice identification is an inexact science, often used by law enforcement to rule out a suspect rather than to provide a 100% clear-cut ID. Still, people have unique vocal timbres and deliveries, especially Pynchon, who sounds like actor John Astin (i.e. Gomez Addams from the old TV show), mixed with a Midwest corn farmer, with a dollop of aging stoner.

So is it possible to rule out the man in the “Inherent Vice” trailer as being the same guy in the Simpsons episode and German TV clip? Not at all, according to Primeau. In fact, he says, based on a preliminary analysis the speech pattern and inflection is “virtually identical” in all three clips. “It’s a very unique style of delivery,” Primeau says. “It’s very up-and-down. He’ll hit these accented spots every few words. You know the TV show “Dragnet,” how Joe Friday talked? It’s the opposite of that.”

We should point out Primeau is an unbiased witness, having never read Pynchon (“I don’t know this guy but it looks like he has some history as an author,” he said). Nevertheless, if he hasn’t been taken by the man’s work, Primeau is intrigued by his voice, which he describes as “a tobacco-driven soft rasp.”

Primeau’s conclusion: “Beyond a reasonable degree of professional certainty, I believe these voices were delivered by the same person.” Confronted with Primeau’s findings, Tracy Locke, a publicist at Penguin, came clean and admitted, “It is, in fact, Thomas Pynchon doing the narration.”

Copyright 2008 Dow Jones & Company, Inc. All Rights Reserved

Letter from author of article:

Hi Ed,

Thanks again for your help with the story. Your critical ear was right; it was Pynchon. When I confronted the publisher with your findings they admitted it, so it was a great scoop for the Journal. Here's a link to the story.

Steven Krutz

Article:

Peter Goodspeed: CCTV puts eyes on London rioters

Peter Goodspeed Aug 9, 2011

As Britons woke to scenes of devastation from riot-hit cities across the country Tuesday, they were also bombarded with digital security camera images of some of the looters who caused the havoc.

Scotland Yard wasted no time in trolling through film from a plethora of closed-circuit television (CCTV) security cameras to retrieve shots of the thugs and arsonists who caused the mayhem.

The police are aided by the fact Britain, perhaps more than any other country in Europe, is saturated with hundreds of thousands of the cameras that monitor building lobbies, stores and streets for security, watch for traffic jams and bill motorists who drive into London's city centre in an attempt to reduce traffic congestion.

Every day, the average Briton is filmed many times — on trains and buses, in schools, hospitals and department stores, sports fields, streets and shops.

The looters and arsonists who have ravaged a half-dozen cities and boroughs are on the same cameras.

"It's incredible, they have cameras everywhere in London," said Edward Primeau, an audio-video forensic expert from Detroit.

"It's a huge advantage to law enforcement. Everything is digital and everything is done with a sophisticated system. The infrastructure and computers that record and sort information are mind-blowing.

"They can sift through 30 images a second and if they are advancing from image to image, all they have to do is hit the export button to distribute an image [of a suspect] from that surveillance footage."

On Tuesday, Scotland Yard released 15 photographs of riot suspects, posting the images on the Internet and asking citizens “to identify people that were engaged in criminality.”

“We will be coming to arrest you over the coming days — if necessary, weeks and months,” promised Tim Godwin, the acting police commissioner.

“Those who have or intend to go out and commit violent criminal acts should be warned. We will have photographs and evidence that we will use to identify you and bring you to justice,” added police Commander Simon Foy.

While rioters are using BlackBerries and smartphones to coordinate their looting sprees, police are also relying on sophisticated new technology.

Many looters have tried to disguise themselves by wearing bandanas, masks or hoods. But modern computer recognition software, combined with London’s plethora of surveillance cameras, can still home in on them.

Detectives scouring thousands of hours of CCTV video can use detailed digital images, isolated to individual pixels, to identify a suspect’s face or a special feature of their clothing. Then, they let high-speed computers search for that image on other surveillance footage.

It is possible to track a suspect’s movements before and after an offence. That can lead police to uncover images where people they are following may have removed their disguises and even identify where they live.

“The recognition software is out there,” said Mr. Primeau. “I know the FBI is using it here in the United States and I know the technology is available.”

Similar evidence from closed-circuit surveillance cameras helped British police arrest more than 180 people who vandalized buildings in downtown London during a recent student protest over increased tuition fees. The technology enabled counter-terrorism officials to track the movements of terrorists who

carried out bombing attacks on the capital's bus and subway system in July, 2005.

Police also could be turning to criminals themselves to make arrests.

Some looters have thoughtfully posted their own photographs and videos of the riots on Internet sites, such as Twitter, Facebook and YouTube, sometimes even posing with trophy items they stole.

National Post

pgoodspeed@nationalpost.com

Article:

Ed Primeau authenticates never before heard Elvis Presley song for WWMT TV Kalamazoo, Michigan

MICHIGAN (NEWSCHANNEL 3)

News channel 3's I-Team has uncovered a recording that could change music history.

Elvis fans have been living in the heartbreak hotel since his death, wanting to hear anything new from the king.

Now, a new, never before heard recording, potentially a demo track, has surfaced that could be Elvis Presley.

This is the story of a king, and a recording of a song called 'Living to Love You.'

According to Battle Creek attorney Violet Hinton, that recording has Elvis Presley singing. She says the song comes from songwriter Jimmie Crane and producer Albert Leigh, recorded in 1976, the year before Elvis died.

There was a series of unfortunate events, Hinton says Jimmie Crane passed away, Albert Leigh had a stroke, his studio was broken into and Leigh died after

a second stroke. The recording disappeared, only to be rediscovered years later, collecting dust in the attic of Albert Leigh's wife's home.

“Her house was foreclosed on,” said Hinton. “She just recently gave what was left of Albert Leigh's things to her sons. They were going through it, they found all this stuff.”

One of those sons lives in Battle Creek and brought the recording he believed to be Elvis to Hinton along with a table full of documents.

“All the tapes, all the contracts, all the songs written by Jimmie Crane, copyrights,” said Hinton.

Hinton, a lifetime fan of Elvis, couldn't help but be 'all shook up' by the possibility of an undiscovered recording.

“He was the greatest. There's no one like Elvis Presley, never will be,” said Hinton. “When I heard that, I knew that was Elvis Presley. I knew it.”

Hinton says she's verified the authenticity of the documents and says they connect Elvis, Jimmie Crane and Albert Leigh to the song. Perhaps most important are shipping records, on the song line, “Living to Love You,” on the artist line, “Elvis.”

However, Hinton admits there's no smoking gun, no one piece of evidence that proves the recording is Elvis Presley.

Hinton brought the case to News channel 3 and we tracked down forensic audio expert Ed Primeau and noted music journalist Gary Graff to help solve the mystery.

“A complete, previously unreleased song by Elvis is a grail, maybe not a Holy Grail, but it's still a significant find,” said Graff.

Primeau has done forensic audiovisual analysis work on dozens of legal cases. He says the best case scenario would be having Elvis sing the song today and matching the recording to that, but that's obviously not an option.

“So what we do is we go back to that same era, we pull a piece of music,” said Primeau. “We find a similar phrasing vocally in the music and call that our exemplar. We compare that to the sample that we want to know if it is indeed Elvis or not.”

The files in, and his ears ready, Primeau takes a close listen to the recording.

And then, Primeau listens, and listens and listens some more, to 'Living to Love You,' to 'What Now My Love' and 'I'll Remember You' off 'Aloha From Hawaii.'

He also analyzes the audio spectrum, watches the waveforms bounce and eventually the veteran witness from dozens of court cases, delivers his verdict.

“Putting you under oath, is this Elvis?” asked News channel 3's Mike Chesney.

“Yes,” said Primeau. “It's Elvis Presley, there's no doubt in my mind.”

The tonality, vibrato, phrasing and the spectrum, all a match.

And we took it one note further, comparing the out the audio from a known Elvis song and our mystery recording to an Elvis impersonator and another performer, we used Neil Diamond. They clearly didn't match.

“There's no two Elvis Presley's on this planet,” said Primeau. “We heard several nuances that were similar in the impersonator and Elvis, but at the end of the day, it's different.”

“Ed Primeau is one of the leaders in his field,” said Graff. “His word carries a substantial amount of weight.”

It's enough weight for Graff to also believe that the recording is Elvis.

Graff says by the mid-70s, Elvis wasn't doing much recording, which makes this find even more special.

“You're really talking about one of a handful, if that many, of new songs that Elvis recorded in that time period,” said Graff. “Who knows what the intent was here. Was this the beginning of a new Elvis album? Was he starting to look for material? Were there discussions about putting him back in the studio?”

“What you've discovered here is an update to an estate that has been quiet for a long time,” said Primeau.

“There's going to be a lot of commercial possibilities for this,” said Graff.

We want back to Hinton with the news, telling her that the forensic audio expert says the recording is in fact, Elvis.

“I knew it, I just knew it,” said Hinton. “I knew the first time I heard it that it was really Elvis. I know there are impersonators, but I knew this was Elvis.”

Now Hinton hopes to start the ball rolling for her clients, the family of producer Albert Leigh.

“I'm hoping this gets enough notoriety that the people I've been trying to reach, I'll be able to get through to now,” said Hinton.

And Hinton hopes to eventually make it so other Elvis fans across the world can enjoy the king's 'newest' song as well.

This may only be the beginning of the journey for the recording. Graff says if the right people hear about it, they could raise ownership questions. Also, the original reel to reel may also exist, but the Leigh family doesn't have that.

News channel 3 reached out to Graceland and Sony Music Entertainment about this story, but we did not get a response.

Article Link for ‘I’m the original voice of Siri’:

<http://www.cnn.com/2013/10/04/tech/mobile/bennett-siri-iphone-voice/>

Article and Video Links for JFK Assassination/Air Force One recordings:

Article:

JFK's last day: Rochester Hills audio expert's care, tapes reveal info, hint at more

November 10, 2013

Julie Hinds, Detroit Free Press

John F. Kennedy arrived in Dallas on Air Force One before noon on Nov. 22, 1963. Hours later, his body was being flown back to Washington, D.C., as radio communications crackled back and forth between the plane and various officials on the ground.

“The president is on board, the body is on board, and Mrs. Kennedy is on board,” a voice said at one point, starkly describing the just sworn-in Lyndon Johnson and the-now dead JFK.

This month, as events, books and TV specials mark the 50th anniversary of the assassination, a new piece of evidence with a metro Detroit connection has Kennedy researchers buzzing.

It’s an 88-minute audio recording of Air Force One radio transmissions that’s described as the most complete version of those communications yet.

And it may indicate that a longer version with fresh revelations is out there somewhere.

The recording is described on the JFKFacts.org website as among the most important pieces of assassination-related evidence to surface in the past five years.

It was enhanced for sound quality and combined from two separate tapes by audio and video forensic expert Ed Primeau and his Rochester Hills-based Primeau Forensics.

Like anything new about the JFK assassination, the recording is bound to be pored over by those fascinated by what a majority of Americans consider an unsolved mystery.

Conspiracy theories still exist that cast suspicions on everyone from the Cubans and the Russians to the mob and even portions of the U.S. government.

Primeau said he believes “100%” that there was editing done to the two tapes that were used in the 88-minute version. And that’s bound to raise the sort of questions that keep the search for answers alive.

Expert witness

Kennedy’s death is a 50-year-old case where almost anything can be viewed different ways by different people. But Primeau’s expertise is driven by fulfilling the assignment, not furthering an agenda.

“I work both sides,” he said of his past experience with both prosecutors and defense attorneys.

Primeau, 55, grew up in Detroit and Troy originally wanting to be a DJ. Instead, he built a career behind the scenes in audio and video production and founded Primeau Productions in 1984, which lists Bob Seger and Billy Sims Barbecue among its past clients.

In the mid-1990s, Primeau started focusing on the growing field of audio and video forensics. He has been an expert witness for criminal and civil cases across the country. In 2012, he was asked by the Orlando Sentinel to analyze the desperate voice overheard in the 911 call in the Trayvon Martin case, a task that led to appearances on CNN and MSNBC and to his being named as a potential witness by the prosecution.

Primeau's conclusion for the Sentinel? It was the 17-year-old Martin who lost his life that night, not the eventually acquitted George Zimmerman, who was screaming for help in the background.

"Bring the truth out, bring an objective opinion. I'm a third-party, non-biased person who comes into a case," he said of his approach to his work.

Something missing

In fall 2012, Primeau was contacted by author and JFK assassination researcher Bill Kelly, who wanted technical help in combining two audiotapes of Air Force One radio transmissions: one released in the 1970s from LBJ's presidential library and a longer one that came to light a couple of years ago from the belongings of Gen. Chester Clifton, a military aide to Kennedy.

Kelly transcribed the tapes. Primeau, working off and on starting in about January, spent time enhancing the sound quality, sharing his progress with Kelly along the way.

“I lowered the noise, equalized the recordings and added some filtering and brought them up to where they’d be more audible,” explained Primeau.

Brad Finegan of Primeau Forensics combined the two tapes in chronological order using Kelly’s transcripts and some overlapping as guides. In addition, Primeau obtained aerial video footage from a pilot friend that Finegan and Primeau’s son, Mike, used to create a captioned video version of the Air Force One recording.

It was Primeau’s idea to use video and captions so that “anyone who wanted to hear these recordings could actually see the words and follow the bouncing ball, if you will, of what’s being said.”

Kelly said Primeau took the assignment for free and did “tremendous work.” Last month, Kelly presented an analysis of the tapes at a 50th anniversary assassination symposium at Duquesne University’s Cyril H. Wecht Institute of Forensic Science and Law in Pittsburgh.

“The Air Force One tapes are sort of like the black box of the assassination. It has all the basic information there you want to know of what happened at the highest levels of government in the two hours after the assassination. And it all should be right there, but there’s some that’s missing,” said Kelly, whose website is <http://jfkcountercoup.blogspot.com>.

“Spine chilling” is how Primeau describes listening to history come to life on the tapes, which are peppered with code names like Volunteer (for LBJ) and Lace (for Jacqueline Kennedy) and urgent efforts to make arrangements for things like a lift to remove the casket from the plane in D.C.

Generals, Secret Service members and radio operators can be heard. Locations like the White House Situation Room and the Air Force command base are mentioned. At one point, the airborne LBJ is patched through to JFK’s mother, Rose, at the Kennedy compound in Hyannisport, Mass., to offer his condolences.

Primeau said he believes that the LBJ and Clifton recordings are what are called safety copies that don’t contain the entire radio transmissions from Air Force One.

“As I listen to the recordings, I can hear edits. I can actually go through and pick out spots where I believe there are pieces that were missing. And there’s lots of theories about why there would be pieces removed.”

That conclusion raises questions. “What was taken out, who took them out and where are they?” he asked.

It also points to the possibility that the entire record of the radio transmissions is somewhere out there, says author and former Washington Post reporter Jefferson Morley, who has led the charge to have the CIA release still-classified material on the assassination.

“It’s not the tape itself. It’s what the tape tells us. And what the tape tells us is that there was a longer recording of the Air Force One communications on Nov. 22.

That was never known before. What the tape tells us is there could be, somewhere, a recording of the reaction of the U.S. national security agencies to the president's death," said Morley, who's written about the new recording for the site he moderates, JFKFacts.org.

An original source tape with several more hours of content would be a big historical discovery. "It would be the record of the government's response to the assassination itself," Morley said.

Looking for answers

The Air Force One recording is considered significant by Morley, Kelly and others still looking for a credible explanation for the JFK assassination. But new information based on fact, not speculation, also interests conspiracy debunkers.

"Aside from what I might disagree with Kelly on, it's always a good thing to try to get the historical record in better shape, to clarify the material," said professor John McAdams of Wisconsin's Marquette University, whose JFK assassination website appeals to those who believe accused assassin Lee Harvey Oswald acted alone.

McAdams says there's probably more material online about the JFK assassination than any other historical subject — and he stresses that plenty of it is implausible. His website notes that sophisticated conspiracy theorists "likely understand that the mass of silly nonsense in conspiracy books and documentaries does no service to the cause of truth in the assassination."

Nationally, those who believe in a lone gunman — the government-run Warren Commission's conclusion — remain in the minority, but their numbers are

increasing, according to a 2013 Associated Press-GfK poll. It shows that 59% of Americans say they think multiple people were part of a conspiracy to kill Kennedy, but 24% think Oswald acted alone — the highest non-conspiracy percentage since the mid-1960s.

Morley says there's no justification for continued official secrecy about the assassination. "Things are withheld on grounds of national security, and that's not very plausible for 50-year-old documents about Cuba. The secrecy around the subject remains a big problem for public understanding, and it encourages suspicion."

Primeau suspects the original source tapes of the Air Force One tapes may no longer exist. "Will they ever surface? I don't think so. I think they're destroyed, like parts of the Watergate tapes were destroyed, permanently gone so that nobody could ever find out."

Even if that is the case, he adds, witnesses could still be found to speak to what was said all those years ago.

"I think it's everybody's hope that this might nudge somebody, I don't know how else to say this, (who) is going to be around for a few more years and doesn't care about telling the truth now, who might know something, and it might bring us another step closer to the truth."

Video Link:

<https://www.youtube.com/watch?v=Y2ExPowkomE>

Article:

Caught on Video

Cameras, Computers, and Control: Convenience or Conspiracy?

By Edward J Primeau

This ACFEI peer reviewed article provides an inside look at the ever-expanding role of today's security cameras and surveillance videos, used as a means of monitoring public activity and protecting citizens. I include a basic overview of the types of surveillance applications and compare their functional capabilities, strengths, and weaknesses. I also examine the role of surveillance video in litigation, as well as the many issues that can arise from its use as evidence in legal proceedings. Finally, I offer insight into the ways surveillance videos and other monitoring devices will play an even greater role in the future.

Article Link:

http://www.abchs.com/ihs/SUMMER2014/ihs_articles_6.php

Article:

Times reaffirms decision that Ted Rall's blog post did not meet its standards

*A blog post by political cartoonist Ted Rall, and a subsequent note to readers by Nicholas Goldberg, editor of The Times' editorial pages, have occasioned questions from readers. Below is a detailed look at the matter by Times editors.
-- Deirdre Edgar, readers' representative*

Article Link:

<http://www.latimes.com/local/readers-rep/la-ed-ted-rall-documents-recordings-20150814-htmlstory.html>

**Edward John Primeau, CCI, CFC
Audio Video Forensic Expert
Member of ABRE, ACFEI, AES, IAI
Primeau Forensics, LTD
(248) 853-4091
(248) 659-1696 (FAX)
Ed@PrimeauProductions.com**