FTA

Forensic
Tape
Analysis

Steve Cain
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Services Offered:
Audiotape Enhancement
Audiotape Authentication
Videotape Authentication
Questioned Document Examination
Recorder Testing
Voice Identification/ Elimination
CD/DVD Tampering Examination

Free Consultation Available

Full Curriculum-Vitae

Steve Cain
M.F.S.; M.F.-S.Q.D.; D.A.B.F.E.; D.A.B.R.E.; F.A.C.F.E.
Audio & Video Analysis / Questioned Document

Steve Cain has over 20 years experience in examining audio and/or video tapes for the U.S. Department of Justice (including the White House Senate Select Judiciary Committee: Clarence Thomas/Anita Hill, the Senate Investigation Sub-Committee: "China Gate" Investigation), U.S. Attorney's Office, over 100 Public Defenders' offices, F.B.I., S.E.C., D.E.A., Customs, I.R.S., Secret Service, A.T.F., and over 1,000 law firms in both criminal and civil cases in the U.S. and overseas.

Following twenty two (22) years as both a Special Agent and a forensic specialist with the U.S. Secret Service and IRS National Crime Laboratories, Steve started Forensic Tape Analysis, Ltd. in Lake Geneva, Wisconsin. A variety of forensic services are offered although the majority of requests concern the identification of questioned voice recordings or issues relating to audio or video tape recording authenticity (i.e. tampering or editing evidence). Steve is also Board Certified as a Questioned Document Examiner. Experts in other forensic disciplines are available upon request.

Steve received his B.S. at the USAF Academy in 1967 and later completed two Masters of Forensic Science Degrees at George Washington University and Antioch School of Law. He has completed two years of a PhD in Criminology at the University of Maryland. He has attended numerous specialized courses of instruction in forensics throughout the U.S. and is both nationally board certified and court qualified (federal and state) in a variety of disciplines. A member of several international forensic organizations, Steve has published more than twenty articles in forensics, investigative, and legal journals and has been a guest speaker at numerous national/international conferences regarding forensic examination techniques.

He has testified in over 40 states, Hong Kong, Puerto Rico, and Canada in both criminal and civil cases. He has examined over twenty thousand (20,000) cases during his almost thirty five years of forensic experience. Mr. Cain is also President/CEO of the International Institute for Forensic Training (IIFT).

IIFT provides quality "hands-on" forensic instruction in a variety of different disciplines including audio/videotape examinations, voice identification or elimination, tape enhancement, and audio and videotape tampering identification techniques. IIFT instructors have provided training to foreign law enforcement and attorneys in the Middle East, Argentina, Turkey, South Africa, Dubai and other overseas locations.

References and a Federal Rule 26 listing of recent case testimony are available upon request. Steve was also a member of the Board of Directors of the Association of Forensic Document Examiners (AFDE) and the American Board of Recorded Evidence (ABRE).

Important Expert Witness Cases

- Angela Martin v Survivair - 2007
- United States of America v David L. Knellinger - 2006
- Atlanta Mutual Insurance Company a/s/o/ Tesso Technologies v Mayor and City Council of Baltimore, et. al - 2006
- Lullo v Chicago White Sox - 2006
- State of Wisconsin v Richard L. Kittilstad-(Innocence Project)-2005
- Homeland Security v Martha Taylor-2005
- Catherine Bosley et.al v WFMJ Television Inc. et. al-2005
- "48 Hours" News Special on State of Wisconsin v John R. Maloney-2004
- Slesinger v. Disney - "Winnie the Pooh" litigation - 2004
- Alfonso Gonzalez v Ford Motor Company - 2004
- United Airlines (employment litigation) 2004
- Consultant to MSNBC News – Authenticating "Bin Laden" Videotapes – Air, 2002
- "48 Hours" News Special – "The Bookie's Wife" (Texas v. Angleton – Murder Trial Acquittal – Broadcast January, 2002 and June, 2002)
- Senator John Danforth (Independent Counsel – "Waco" – 1999)
- Andrade v. Chojnacki; et al v. U.S. (Branch Davidian Law Suit – 1999-2000)
- JonBenet Ramsey – CBS News Consultant (1999)
- Texas v. Angleton murder case (all charges dismissed)(1997)
- U.S. v. Aisenberg (Florida 1999)
- CBS consultant re: 60 Minutes story on "The Scuffed Halls of Ivy" (1999)
- Forged Autograph Litigation re: Golfers, Nicklaus, Palmer and Tiger Woods (1996-1997)
- Consultant to: "The Artist Formerly Known as Prince" (1996)
- Consultant to "Court TV" (Voice Identification)
- "Waco" criminal case (1994-1995)
- World Trade Center Bombing (1993)
- CNN's expert for "Flowers/Clinton" audiotapes (1992)
- Over 425 Court Cases or Depositions (1978-Present)

Publication/Books:

Co-Author of book entitled Advanced Forensic Criminal Defense Investigations, published by Lawyers and Judges Publishing Co., Copyright 2000 and author of chapter entitled, "Forensic Tape Examination Techniques".

Present Positions:

President - Forensic Tape Analysis, Inc., - Forensic Audio/Video Tape Examiner/ Examiner of Questioned Documents, Lake Geneva, WI and Diplomat and Fellow, American College of Forensic Examiners.

Past Positions:

Editorial Advisory Board for the "Forensic Examiner" (2000-2006)
Chief Liaison Officer for Law Enforcement (Domestic & Foreign), American College of Forensic Examiners (Internationally accredited forensic organization) – Diplomat for the American Board of
Law Enforcement Experts (1997-2001)

President – Applied Forensic Technologies Intl., Inc., Lake Geneva/Williams Bay, Wisconsin (1989 – 2001)

Diplomat – American Board of Law Enforcement Experts (ACFE) (1998-2001)

Special Agent/Branch Supervisor, Senior Document Examiner, Chief Polygraph/Voiceprint Units – IRS National Crime Lab, Chicago, IL (1986-1989)

Special Agent/Questioned Document Examiner/Voiceprint Examiner/Polygraph Operator – U.S. Secret Service, San Antonio, TX and Washington DC (1971-1985)

Special Agent/Polygraph Examiner – USAF Office of Special Investigations (1967-1971)

Captain, USAF, assigned to San Antonio, TX and Republic of Vietnam (1967-1971), Honorable Discharge (August, 1971)

Major, U.S. Army Reserves (1981-1992) Honorable Discharge

Education:

B.S. – USAF Academy, Colorado Springs, CO (1967) - Bachelor of Science (Engineering)
Graduated with honors

M.F.S. – George Washington University, Washington DC, (1978) - Master of Forensic Science (General Criminalistics)

QD - M.F.S.Q.D. – Antioch School of Law, Washington DC, (1980) Master of Forensic Science Questioned Documents

PhD Candidate – University of Maryland (1984-1985) (Criminology)

Specialized Forensic Audio Training at the Following Institutions:

Michigan State Police Crime Laboratory, Lansing, MI 1981-1989

OJT Training Program - U.S. Treasury Department and Michigan State Police Crime Laboratory (1981-1985) (1987-1989)
Attended various orientation courses involving forensic tape analysis and voice identification techniques at FBI Crime Laboratory, Washington, DC; National Transportation Safety Board; Los Angeles Sheriff's Department; New York City Police Department, Michigan State Police; U.S. Postal Inspection Service; U.S. Secret Service (Technical Security Division) (1984-1989)
Attended numerous specialized seminars and forensic training and educational programs hosted by the International Association of Identification; Voice Identification, Inc.; Michigan State Police; Michigan State University; Audio Engineering Society (1981-present) American College of Forensic Examiners; New York Institute of Forensic Audio/Video

Forensic Audio Analysis Techniques, Accredited Seminar (1 week), Bowling Green, KY (May, 1992) -- Standards Meeting (AES), Bowling Green, KY (August, 1992), AES

Working Group (12)--Standards Committee for developing Audio Tape Authentication Criteria (1992-present)

New York Institute of Forensic Audio/Video Seminar (Accredited), New York, NY (1993) (1995) (May 1997) (May 1998) (June 2000) (May 2002) (June 2005). Approximately 40 Hours C.E.U. Credits Earned (1989-Present) (Engineering)

Certificates of Achievement /Completion:

CCTV – A Complete Review, Certificate of Completion (accredited) Stam Multimedia Inc. December 2003

New York Institute for Forensic Audio (Accredited), Forensic Audio and Video Examinations, June 1993, September 1995, May 1997, May 1998, June 2000, May 2002 and June 2005.

***Note:** National certification by New York Institute of Forensic Audio in Audio Tape Authentication Techniques in 1997 and 1998. Separate national certification by American Board of Recorded Evidence, May 1998, June 2005, and June 2007 in Video and Audio Tape Authentication.

Southern Conference Seminar - Forensic Audio - Western Kentucky University, May 1992 (Accredited)

Federal Interagency Polygraph Seminar, Washington DC, June, 1987, hosted by CIA and FBI Federal Bureau of Investigation, Advanced Polygraph Studies Program, University of Virginia, September - October, 1988

Federal Bureau of Investigation, Washington, DC, Audio Enhancement Training, 1984 (certificate issued)

Michigan Department of State Police/Michigan State University, Advanced Voice Identification and Acoustic Analysis Seminar, October, 1984

Michigan State University, Institute of Voice Identification, Voice Identification Workshop, March - April, 1983

George Washington University, Washington DC, course entitled, "Magnetic Recording Engineering", December, 1982

Antioch School of Law, Washington, DC, course entitled, "Physical Significance of Blood Stain Evidence", July, 1980

U.S. Secret Service Questioned Document School, Washington, DC, 1977

U.S. Secret Service, Special Agent Training Course & Technical Operations Schools. Washington, DC 1972 & 1974

U.S. Army Military Police School, Advanced Polygraph Examiner Course, No. 1, November - December, 1976

U.S. Army Military Police School, Polygraph Training, 18 August 69 - 9 November 69, Honor Graduate

Forensic Memberships/Past Certification:

QD - American Board of Forensic Document Examiners (August 1980-December 1988)

QD - United States Treasury Department (U.S. Secret Service and IRS) Polygraph, Voiceprint and Questioned Documents (1971-1985) (1986-1989)

American Polygraph Association (1972-1977)

QD - American Society of Questioned Document Examiners (A.S.Q.D.E. - 1982-1989)

Mid-Atlantic Association of Forensic Scientists (M.A.F.S.) (1981-1985)

Northeastern Association of Forensic Scientists (N.E.A.F.S.) (1985-1986)

American Academy of Forensic Sciences (A.A.F.S.) (1977-1984)

International Association for Identification (1977-1996) (Voiceprint Examiner)

Forensic Memberships/Present Certifications:

***Note:** Multiple certifications by New York Institute of Forensic Audio in Tape Authentication Techniques in 1997, 1998, 2000, 2002, 2005. Additional certification by America Board of Recorded Evidence (ABRE).

QD - Association of Forensic Document Examiners (Board Certified) (1991-Present), Member – Board of Directors (1997-2000)

American College of Forensic Examiners, M.F.S.; M.F.S.Q.D.; D.A.B.F.E.; D.A.B.R.E.; F.A.C.F.E; Diplomat and Fellow Audio and Videotape Analysis.

Other Organizational Affiliations:

Audio Engineering Society (National and Chicago Chapter Organizations-- AES) (1990-Present)
Chicago Crime Commission (Organized Crime Committee) (1991-1994)

Institute of Electrical & Electronic Engineers (I.E.E.E.) (1992-1997)

American Society of Industrial Security (ASIS) (1992-1996) (2002-Present)

International Narcotic Enforcement Officers Association (1990-1993)

National Association of Criminal Defense Lawyers (NACDL) (1990-2001) (Associate Member)

National Forensic Center (1990-1997)

Wisconsin Narcotic Officers Association (1991-1993)

World Association of Detectives (W.A.D.) (1995-2000)

Association of Professional Videographers (1995-1999)

Society of Motion Picture and Television Engineers (SMPTE) (1997-2002)

International Society for Optical Engineering (SPIE) (2001- 2005)

Law Enforcement and Emergency Services Video Association (LEVA) (2001-2004)

Published Articles:

Question Document:
"Potential Applications of Casting Materials in Document Examination Problems"- Journal of Police Science and Administration, 1978.

"Scientific Study of Pencil Lead Components" - Journal of Forensic Sciences, 1978

"Striation Evidence in Counterfeiting Cases" - Journal of Forensic Sciences, 1983

"Laser and Fiber-Optic Photographic Analysis of Single-Edge Paper Striations"- Journal of Forensic Sciences, 1984

"Examining Questioned Documents" - The Legal Investigator, 1990

"Disguised Writings"- Paper presented at AFDE annual meeting in Milwaukee, WI, 1998.

"Examining Questionable Documents" – Published – South Florida Investigators Association Journal, May, 2000.

"Locating, Qualifying, and Paying the Expert Forensic Witness" -The Legal Investigator, 1991

"Techniques for the Collection, Preservation, and Transmission of Evidence"- The Legal Investigator, 1991
"The Psychodynamics of the Presidential Assassin and An Examination of Theme/Graphic Variables of His Threatening Correspondence"- Forensic Science International, 1982

Audio Tape:

"CD Copies of Taped Audio Recording" A Poor Forensic Alternative for Attorneys' The Forensic Examiner, summer of 2004

"Voiceprint Identification" - Money Laundering and Narcotics Update, Department of Justice, 1988, and The Legal Investigator, 1990

"Examination of Telephone On-Hook Off-Hook Transients" - Submitted for publication October, 1991, Journal of Forensic Identification. Published March 1994

Contributing author of two chapters dealing with forensic document examination techniques and voice identification/acoustic analysis reported to be entitled, "Scientific Evidence", accepted for publication in 1993 by Shepard's/McGraw-Hill.

"Voice Identification", National District Attorneys Association, NDAA Bulletin, Vol. 110, No. 6,December 1993

"Tape Authentication", National District Attorneys Association, NDAA Bulletin, Vol.110, No. 6, January, 1992

"Sound Recordings as Evidence in Court Proceedings PROSECUTOR MAGAZINE, September/October1995 Volume 29, Number 5

Video Tape:

"Corrupted DVD's, An emerging forensic problem which may constitute untrustworthy evidence", published in the Forensic Examiner in winter 2008.

"The Forensic Examination of Video Tape—Technical, Integrity and Legal Issues"-- accepted for publication-American College of Forensic Examiners (AFCE) – published in The Forensic Examiner, Vol. 8, Nos. 11 & 12, November/December 1999.

"Forensic Examination of CCTV Digital Surveillance Recording Equipment", The Forensic Examiner, winter of 2005

Audio / Video Tape:

"Verifying the Integrity of Audio and Videotapes", Submitted to National Association of Criminal Defense Lawyers, Champion, (May, 1992), Accepted November, 1992; published in July 1993

"Audio for Video Post Production" – Paper presented at AES annual meeting, New York City, NY, September, 1999.

"The Forensic Examination of Audio and Videotapes" – Published papers presented at the Illinois Association Of Criminal Defense Attorneys – Southern Illinois University – Paper and Lecture – March, 2002.

"Emerging Forensic Technologies", OACDL Vindicator, (Fall, 1995) official publication of the Ohio Association of Criminal Defense Attorneys.

"Anomalies Associated with Computer Editing of Recorded Telephone Conversations"-- Published paper at the Second International Chemical Congress Forensic Symposium, Fall 1995, San Juan, Puerto Rico. (Program Coordinator).

Lecturer and Teaching Background:

George Washington University, Washington DC (1978-1979)

Northern Virginia College, Woodbridge, VA (1978-1980) Adjunct Professor of Criminalistics

University of Delaware, (Washington DC extension) (1980)

U.S. Secret Service Questioned Documents School, Washington DC (1978-1982)

Guest lecturer at Antioch School of Law, "Questioned Documents" (1980)

Guest lecturer at Harper College, Chicago, IL (1989)

National Association of Legal Investigators, (NALI) Mid-Winter Convention, Kansas City, MO (October, 1990)

NALI, Annual Convention Houston, TX, speaking to approximately 200 to 300 legal investigators, on June 20 and 21, 1991, speaking on Questioned Documents and other forensic subjects.

The International Association of Credit Card Investigators, (Milwaukee) Guest Speaker, 1991.

The Association of Financial Crime Investigators, Chicago, IL (July, 1990)

The Safety Deposit Association, Milwaukee, WI speaking to 100 investigators (July, 1990)

Cook County Public Defenders Office (Multiple Defendant Division) (June 3, 1991)

Cook County Investigators Seminar (Public Defender Office) speaking before 80 investigators (July 17, 1991)

Cook County Public Defender Office, Bridgeview, IL (August 20, 1991)

Cook County Public Defenders Office, District 2, Skokie, IL (August 21, 1991)

Iowa State Investigators Association, Semi-Annual Meeting, Des Moines, IA (August, 1991)

DuPage Criminal Defense Attorney's Association (September, 1991)

American Society of Industrial Security (ASIS), Annual Convention, Orlando, FL (September 1991)

Audio Engineering Society (AES), Annual Meeting, New York, (October 1991), Panelist on Forensic Audio Working Committee

Surveillance EXPO '91, Annual Meeting, Washington, DC, (November, 1991), Guest Speaker, Forensic Tape Analysis and Voice Identification Techniques

Wisconsin Narcotic Officers Association, winter 1991 Seminar, Milwaukee, WI, speaking to over 100 state and Federal Narcotics Enforcement Agents (November, 1991)

Chicago Bar Association, Criminal Defense Division (February, 1992)

National Association of Criminal Defense Lawyers (NACDL), Annual Spring Convention (May 1992)

ION '92 Conference, Denver, CO, (February, 1992) Faculty member and Guest Speaker for National Association of Certified Investigators (Questioned Document and Forensic Tape Analysis)

American Board of Criminal Lawyers Annual Board Meeting Phoenix, AZ (March, 1992)

MAGLOCLEN, Middle Atlantic Great Lakes Organized Crime Law Enforcement Network, Law Enforcement Investigators meeting, Cleveland, OH (January, 1992)

Chicago Crime Commission, Monthly Meeting, Spoke to over 40 federal law enforcement and other invited guests of the Organized Crime Committee, (April, 1992)

Wisconsin League of Financial Investigators, (Questioned Documents and Forensic Tape Analysis) Milwaukee, WI, (December, 1992)

National Association of Legal Investigators, Mid-Winter Convention/Seminar (Regions II & V) Guest Lecturer, Chicago, IL, (March 26, 1994)

American Academy of Forensic Sciences, "Authentication of Sound Recordings for Evidentiary Purposes", presented at 1994 Annual meeting (Jurisprudence Section) San Antonio, TX, February 18, 1994

Kent Law School, (Illinois Institute of Technology), 10 lectures on Forensic Science Techniques (1994-Present).

Third Pan American Chemical Congress, Guest Lecturer & Workshop Moderator, September 1995, San Juan, Puerto Rico.

Wisconsin Association of Criminal Defense Lawyers, Featured Speaker on "New Forensic Technologies", Annual Convention, 1996

Minnesota State Bar Convention, Minneapolis, MN, June 1996

Ohio Association of Criminal Defense Lawyers (O.A.C.D.L.), Annual Convention, "Emerging Forensic Technologies", Dayton, OH, June, 1996
Federal Special Agents Association, Annual Meeting, Guest Speaker, "Forensic Technologies" Chicago, IL, February 1997

Association of Forensic Document Examiners (Annual Meetings - Boston, MA, Chicago, IL,

El Paso, TX, San Juan, Puerto Rico) 1997 - "Identifying Forged Autograph Signatures"; Milwaukee, WI, 1998 - "Disguised Writings"

Chicago Bar Association & NACDL semi-annual meeting – Guest Speaker, "Tape Tampering Technologies", Chicago, IL, October 1998

American College of Forensic Examiners, Annual Convention, Guest Speaker, "Videotape Editing Detection – Forensic Tape Exam Issues", New York, NY, October 1999

Louisiana Association of Criminal Defense Lawyers (LACDL) – Guest Speaker on "Tape Authentication", New Orleans, LA, December 1999

American College of Forensic Examiners, Annual Convention, Guest Speaker, "Voice Identification – Theory and Applications", Las Vegas, NV, October 2000

American College of Forensic Examiners, Annual Convention, Seminar, "Audio and Video Tape Editing – Linear vs. Non-Linear Computer Editing", Las Vegas, NV, October 2000

American Academy of Forensic Sciences, "Audio and Video Tampering and Detection", presented at the 2001 Annual Meeting (Computer and High Technology Crime Panel and Workshop) Seattle, WA, February 22, 2001

National Association of Criminal Defense Lawyers (NACDL), Exhibitor and Speaker to NACDL Evidence Committee on CD-ROM corruption, Las Vegas, NV, February 2001

Illinois Association of Criminal Defense Lawyers (IACDL), Carbondale, Illinois (March 2002)

ACFEI Annual Meeting – Kansas City, MO (2003)

Wisconsin Rotary Club-Guest Speaker on "Forensic Technologies" Elkhorn Wisconsin, September 2005.

A.F.D.E. Annual Meeting-Guest Speaker- An overview of Dr. Sak's Criticism of Questioned Document Examiners. San Antonio, Texas, October 2005.

Kenosha Kiwanis Club-Guest Speaker on "Forensic Technologies" Kenosha Wisconsin, October 2005.

Smoky Mountain Criminal Justice Conference-Guest Speaker "Forensic Technologies" Gatlinburg Tennessee, November 2005.

Texas Criminal Defense Lawyers Annual Meeting, Guest Speaker on "Tape Editing and Corrupted Digital Evidence." October 2005, Dallas Texas.

ACFEI Annual Meeting – Orlando, FL (2006)

Associations of Forensic Documents Examiners Annual Meeting – Albuquerque, NM, October 2008 – "Web Submission Strategies".

Court Qualified:

Over 450 previous occasions. Called to testify in approximately 880 cases. Testified in over 40 states and overseas.

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