

PROFESSIONAL VITAE TOM OWEN

FEDERAL ID 61-1187317

EDUCATION

B.A. History 1969

Bellarmino College, Louisville, Kentucky

Certificate of Achievement, Electro-Acoustics Synergetic Audio
Concepts, 1983

Completion of Voice Identification Course, 1985

Certification as Voice Identification Examiner, July 17, 1986 by the
International Association for Identification, Life Member Kentucky
Division Life Member New Jersey Division

Audio Engineering Society NY Chapter Board of Directors 1989-
1991 1996-1998

Chairman (1991 to Present) Audio Engineering Society WG0-12
Working Group "Forensic Audio"

The American Board of Forensic Examiners - BCFE, ABFE
Fellow, Life Member, Board Certified, Homeland Security
Advisory Board

Chairman Emeritus of the Board of Recorded Evidence -
American College of Forensic Examiners 1997, 1998, 2001,
2002, 2003, 2004, 2005, 2006, 2007, 2008

Diplomate in Audio/Video Authenticity and Voice Identification
Instructor "Southern Conference Seminar" Western Kentucky
University 1992

Instructor "New York Institute for Forensic Audio" 1993, 1994,
1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004,
2005, 2006, 2007

Special Deputy, Warren County Sheriff's Department, Bowling
Green, KY

Experience in the Recording Arts, 35 years

COURT QUALIFIED as EXPERT in VOICE
IDENTIFICATION, AUDIO AND VIDEO AUTHENTICATION,
SIGNAL PROCESSING, TAPE ENHANCEMENT,
RECORDING INDUSTRY PRACTICES. To date: New York

Southern District, New York Eastern District, New York, Buffalo, and New York State Court. Philadelphia, PA; Bethlehem, PA; Hartford, CT; Bridgeport, CT; New York Rockland County; Raleigh, NC; Newark, NJ; Mays Landing, NJ; Tottawa, NJ; Nashville, TN; Savannah, GA; Carmel, NY; Dover, DE; Tulsa, OK; Louisville, KY; Los Angeles, CA; Bowling Green, KY; Alexandria, VA; Zenia, OH; Kansas City, MO; Denver, CO; NY Bronx Superior Court, Manhattan Supreme Court; NYPD Arbitration Hearing Board; Morganville, West Virginia; Fresno, CA; Grand Cayman, Cayman Islands; Washington DC; Maryland; Florida; Idaho, Las Vegas, Nevada, Hartford, CT, Evanston, IL, Somerville, NJ, Brooklyn, NY, Miami, FL and others.

1981 to PRESENT: **PRESIDENT and CEO OWL INVESTIGATIONS, INC. P.O. Box 189 COLONIA, NJ 07067 732 574 9672732 381 4523 FAX** Responsible for overall operations of Forensic Consulting business (including but not limited to) Audio and Video Tape Authentications, Enhancement, and Voice Identification. Fully equipped Audio-Video processing laboratory with digital capabilities for audio-video signal processing.

CLIENTS SERVICED

Law Enforcement Agencies

State Police

the Federal Government

Insurance Companies

Prosecuting Attorneys

Defense Attorneys

Banks

Private Investigators

Security Directors

Legal Aid Society

Public Defenders

Corporations and the business community in general

PREVIOUS WORK EXPERIENCE:

January 1979 - September 1989 **NEW YORK PUBLIC LIBRARY AT LINCOLN CENTER** New York City, New York 10023 212 870 1609

CHIEF ENGINEER RODGERS AND HAMMERSTEIN ARCHIVES OF RECORDED SOUND

DUTIES: (included but not limited to) Audio Restoration, Video Restoration, Data Base Systems Management, Public Service Systems Management. Responsible for the Metropolitan Opera Archives (Broadcasts)

Responsible for 4 recording studios and public service projects.

Voice Identification, Tape Aging studies and Archival Storage.

1973 - 1978 Engineer, Producer, Quality Control for SPRINGBOARD, MUSICOR, VIVA, TRIP SPECTOR Record Labels.

Staff Producer for the above consortium of labels producing over 700 LP's.

PUBLICATIONS & SPEAKING ENGAGEMENTS

Tom Owen, *Audio Restoration and Transfer Technology*, Audio Engineering Society AES 1737 X-3 1981

Tom Owen and John Fesler, *Electrical Reproduction of Acoustically Recorded Cylinders and Disks*, Audio Engineering Society AES 1854 E-1 1981

Tom Owen, *Reproduction of Acoustically Recorded Cylinders and Disks*, Journal of the Audio Engineering Society Vol. 31 #4 April 1983

Tom Owen and George Alexandrovich, *A Technical and Historical Look at the Stylus Groove Interface in Recording, Past to Present*, Audio Engineering Society AES 2048 J-5 1983

Tom Owen, *Audio Restoration*, Association for Recorded Sound Collections Convention 1981 Lecture and Panel

Tom Owen, *New Directions in Recording Technology*, Association

for Recorded Sound Collections Convention 1983 Lecture and Panel

Tom Owen, Advanced Signal Processing Techniques, International Association for Identification, 70th Annual Conference, Savannah, GA July 1985

Tom Owen, Restoration of Sound, International Symposium on B. Pilsudski Cylinders, Hakkido University, Sapporo, Japan. Lecture and Session Chairman September 1985

Tom Owen, Forensic Audio and Signal Processing, Association for Recorded Sound Collections, Paper delivered at 20th Annual Convention, NYC Lincoln Center April 1986

Tom Owen, Forensic Audio, Signal Processing and Tape Enhancement, International Association for Identification, 71st Annual Conference, London, England August 1986

Tom Owen, A Forensic Audio Inspection of the Dictaphone 5000, International Association for Identification, 72nd Annual Conference, Washington, DC August 1987

Tom Owen, Voice Identification and Acoustic Analysis, International Association for Identification, Panel Moderator and Lecture on Authentication of Audio, Washington, DC August 1993

Tom Owen, Forensic Audio/Video Theory and Applications, Audio Engineering Society Journal Vol. 36, No. 1/2 Jan/Feb 1988

Tom Owen, Bruce Koenig, and Noel Herold, Tapping the Pros: Getting the Goods on Forensic Audio and Video, Audio Engineering Society, New York Section Meeting October 1988

Tom Owen, Introductory Voice Identification and Forensic Audio, Security Management Institute, John Jay College of Criminal Justice October 1988

Tom Owen, An Introduction to Forensic Examination of Audio and Video Tapes, Journal of Forensic Identification Vol. 39, No. 2

March/April 1989

Tom Owen, *Voice ID/Tape Enhancement & Authentication*, International Association for Identification, New Jersey State Division Cape May, New Jersey October 1989

Tom Owen, *Magnetic Tape Analysis and Voice Identification*, John Jay College of Criminal Justice, December 16, 1989

Tom Owen, Seth Winner, William Storm, Fred Layn, *Analog and Digital Archival Storage from Transcription to R-DAT*, Audio Engineering Society, New York Section Meeting, March 1990

Tom Owen, *Forensic Digital Video Enhancement of Surveillance Films*, International Association for Identification, Nashville, TN July 28 - Aug. 3, 1990

Tom Owen, *The Introduction of Voice Identification into the Courts. Frey and McCormick. Are they still an obstacle with Rule 702 and the other "Helpfulness to the Jury" Federal Rules*, International Association for Identification, Nashville, TN 1990

Tom Owen, Workshop Chairman, *Preservation and Restoration of Sound Recordings 1977 - 1990 Magnetic Tape Problems in Depth*, Audio Engineering Society 89th Annual Convention, Los Angeles, CA September 1990

Tom Owen, Workshop Chairman, *Investigating Forensic Audio*, Audio Engineering Society AES 91st Convention, New York City, NY Oct. 4 - 8, 1991

Tom Owen, *Forensic Audio Enhancement and Voice Identification*, Surveillance Expo '91 - Third Annual International Surveillance and Counter Surveillance Conference and Exposition, November 14, 15 & 16, 1991 Washington DC

Tom Owen, *Computer Based Video Enhancement*, Surveillance Expo '91 - Third Annual International Surveillance and Counter Surveillance Conference and Exposition, November 14, 15 & 16, 1991 Washington DC

Tom Owen, Jim Reames, Sean Walsh, *Southern Conference Seminar on Forensic Audio*, Spring Training Seminar, May 18-22, 1992 Bowling Green, KY

Tom Owen, *Board Meeting of the Audio Engineering Society's Forensic Audio Work Group WG-12*, Tom Owen Chairman October 1, 1992, San Francisco, CA

Tom Owen, *Voice Identification and Its Uses Today*, Meeting of the Kentucky Chapter of the International Association for Identification Local Chapter January 8, 1993 Bowling Green, KY

Tom Owen, Jim Reames, Mark Schubin, *New York Institute for Forensic Audio*, Spring Training Seminar, June 24 - 27, 1993 New York City, NY

Tom Owen, *Audio Voice Comparisons*, Fourth Annual International Training Conference, Law Enforcement Video Association, L.E.V.A., Baltimore, MD October 13 -16, 1993

Tom Owen, *Authenticating Videotape*, Fourth Annual International Training Conference, Law Enforcement Video Association, L.E.V.A., Baltimore, MD October 13 - 16, 1993

Tom Owen, *Board Meeting of the Audio Engineering Society's Forensic Audio Standards Committee*, Tom Owen, Chairman, October 9, 1993 New York City, NY

Tom Owen, *Voice Identification & Audio Tape Enhancement*, Society of Professional Investigators Inc. 7th Annual Workshop, College of Insurance, NYC November 5, 1993

Tom Owen, Mark Schubin, *Authenticating Videotape, Published Article*, Law Enforcement Video Association Journal, The Viewfinder April, 1994

Tom Owen, Don Ritenour, Mark Schubin, Steve Crump, *New York Institute for Forensic Audio*, Spring Training Seminar, May 11 - 15, 1994 New York City, NY

Tom Owen, *Voice Identification*, Eighth Annual New Jersey State Division of the International Association for Identification, October 16 - 19, 1994 Cape May, NJ

Tom Owen, *Board Meeting of the Audio Engineering Society's Forensic Audio Standards Committee*, Tom Owen, Chairman November 12, 1994 San Francisco, CA AED, Document AES27xxxx

Tom Owen, *Voice Identification, Theory and Legal Applications*, International Forensic Science Symposium, November 26 - December 3, 1994 Taipei, Republic of China

Tom Owen, Michael C. McDermott, Gabe Wiener, *An Introduction to Forensic Audio*, Audio Engineering Society, New York Section Meeting, January 10, 1995

Tom Owen, *Twin, Voice Identification of Twins*, 80th Annual International Association for Identification July 23 - 27, 1995 Costa Mesa, CA

Tom Owen, Don Ritenour, Bill Seidel, Mark Schubin, *New York Institute for Forensic Audio*, Fall Training Seminar, August 23 - 26, 1995 New York City, NY

Tom Owen, *Voice Identification, Past and Present*, American Academy of Forensic Sciences, Annual Meeting, Nashville, TN

Tom Owen, *Testimony before the Maryland Senate Bill Committee Regarding Voice Identification*, Senator Ida Rubin, March 5, 1996 Annapolis, MD

Tom Owen, Mark Schubin, Bill Seidel, Sean Walsh, *New York Institute for Forensic Audio*, Spring Training Seminar, May 1 - 4, 1996 New York City, NY

Tom Owen, Michael C. McDermott, *Voice Identification, The Aural/Spectrographic Method*, American College of Forensic Examiners, <http://www.acfe.com>, December 1996, Published on the Internet <http://www.acfe.com>

Tom Owen, *Voice Identification, Past and Present Panel*, American College of Forensic Examiners, South Annual Scientific Meeting, December 12 - 14, 1996 San Diego, CA

Tom Owen, Earnest Aschkanasy, Michael C. McDermott, *Forensic Audio, A Historical Perspective*, Audio Engineering Society, New York Chapter, January 21, 1997 New York

Tom Owen, *Forensic Audio I, II, III*, American Association for the Advancement of Science, 1333 H Street, NW, Washington DC AAAS Science Update April 1997

Tom Owen, James Reames, Steve Crump, Judge Leslie Crocker-Snyder, *New York Institute for Forensic Audio*, Spring Training Seminar May 19 - 23, 1997 New York City, NY

Tom Owen, *Forensic Audio Analysis - Authenticity Examinations*, The International Association for Identification, 82nd Annual Training Seminar, July 27 - August 2, 1997, Danvers, MA

Tom Owen, Anthony Pellicano, James Reams, Mark Schubin, Michael C. McDermott *Forensic Audio Workshop W-8*, 103rd Audio Engineering Society Convention, September 27, 1997

Tom Owen, Earnst Alexanderson, Jennifer Owen, *Forensic Audio Analysis-Authenticity Examinations*, American College of Forensic Examiners, 5th Annual Scientific Conference, December 11 -13, 1997 Hotel DelCoronado, San Diego, CA

Tom Owen, Mark Schubin, James R. Reames, *New York Institute for Forensic Audio*, Spring Training Seminar May 18 - 22, 1998, New York City, NY

Tom Owen, Judge O'Lander, Mary Galvin, Hugh Keefe, "*Junk Science*" Movie made June 10, 1998 in Connecticut State Court demonstrating Voice Identification Issues and Daubert Considerations. Judge Support Services, Continuing Education, CT

Tom Owen, *The Kennedy Assassination - Has the Zapruder Film Been Edited?* American College of Forensic Examiners Sixth

National Conference, October 12 -14, 1998 , The Registry Hotel,
Naples, FL

Tom Owen, *Forensic Audio, Forensic Video, and Theory and Legal Applications of Voice Identification*, Society of Professional Investigators, January 21, 1999 installation of new officers meeting at Harry's, New York City, NY

Tom Owen, *Introduction to Forensic Audio Applications and Voice Identification*, New Jersey Licensed Private Investigators Association Inc. April 15, 1999 Meeting at Holiday Inn, Carteret, NJ

Tom Owen, Mark Schubin, Rick Carlson, Craig Maier *New York Institute for Forensic Audio*, Spring Training Seminar June 7 - 11, 1999, Colonia, NJ

Tom Owen, Anthony Pellicano, Thomas Edwards, Michael C. McDermott, James Reames, *Advances in Forensic Analysis and Techniques*, Workshop Panel, Audio Engineering Society 107th Annual Convention September 24, 1999, Jacob Javitts Center, New York City, NY

Tom Owen, *Recorded Evidence: Experts and Their Challenges*, 1999 Meeting American College of Forensic Examiners, October 30, 1999, Waldorf Astoria Hotel, New York City, NY

Tom Owen, *Forensic Audio and Video Enhancement and Analysis, and Voice Identification*, Northeast Super Conference 2000, March 24, 2000, Atlantic City, NJ, Trump Plaza Hotel, Atlantic City, NJ

Tom Owen, Thomas Edwards, Mark Schubin, *New York Institute for Forensic Audio*, Spring Training Seminar June 6 - 9, 2000, Colonia, NJ

Tom Owen, *Theory and Application of Aural and Spectrographic Voice Identification*, American College of Forensic Examiners 8th Annual Conference, October 26, 2000, Las Vegas, Nevada

Tom Owen, Sal Gallina, Richard Carlson, *New York Institute for Forensic Audio*, Fall Training Seminar November 13 - 17, 2000,

Colonia, NJ

Tom Owen, Sal Gallina, Kevin Murray, Steve Crump, Mark Schubin, New York Institute for Forensic Audio, Spring Training Seminar June 11 - 15, 2001, Colonia, NJ

Tom Owen, Grant Fredericks, New York Institute for Forensic Audio/Video, Summer Training Seminar June 24 - 28, 2002, Colonia, NJ

Tom Owen, Sachs, Jessica Snyder "Graphing the Voice of Terror" Popular Science, March 2003 issue. Pg. 38-43

Tom Owen, Blades, Heather Barbre "Tom Owen, Voice Identification Audio & Video Analysis", The Forensic Examiner 12 Steps September/October 2003 pg. 15-21

Tom Owen, "How the Experts Identify Bin Laden", The Prosecutor September/October issue 2003 pg. 29-30

Tom Owen, Voice Identification and the Osama Bin Laden Tape, John Jay College of Criminal Justice, New York, Dec 3, 2003

Tom Owen , 12 Step Methodology, Audio, Video, and Voice Identification, American College of Forensic Examiners, Chicago, Illinois, October 14-16, 2004

Tom Owen, Voice Identification, The Aural Spectrographic 12 Step Methodology, John Jay College of Criminal Justice, New York, Dec 1, 2004

Tom Owen, Michael McDermott, Jennifer Owen, Jill Lindsay, Law and the Expert Witness- The Admissibility of Recorded Evidence, Audio Engineering Society, Denver, Colorado, July 2005

Tom Owen Audio and Video Enhancement, The World Investigator's Conference September 23, 2005

Tom Owen Audio an Video Authentication, The World Investigators Conference September 24, 2005

Tom Owen, Michael McDermott, Jennifer Owen, Jill Lindsay, *Law and the Expert Witness- The Admissibility of Recorded Evidence*, American College of Forensic Examiners, San Diego, California October 1, 2005

Tom Owen, *Forensic Audio, Video, Voice Identification, and Court Testimony: Applications In Education*, College of Digital Expressions, Oakland, California February 1, 2006

Tom Owen, *Forensic Audio, Forensic Video and Voice Identification: Workbook 101*, Monmouth University, Monmouth NJ February 22, 2006

Tom Owen, *Forensic Audio in the Digital Age*, Audio Engineering Society, NY Section. New York City, The New School University. June 13, 2006

Tom Owen, Stuart Allen, Allen French, Marc Schubert, Tom Hughes, *New York Institute of Forensic Audio Summer Training Session* June 19th-23rd, 2006 Colonia, NJ

Tom Owen *New York Institute of Forensic Audio Fall Training Session* November 13th-17th, 2006 Colonia, NJ

Tom Owen *Forensic Audio in the Digital Age, Audio Authenticity* American College of Forensic Examiners Annual Conference, Orlando, Florida September 19-24th, 2006

Tom Owen *Forensic Audio, Forensic Video, and Voice Identification: Workbook 102* Monmouth University, Monmouth NJ December 13th, 2006

Tom Owen, Stuart Allen, Scott Walter, Steve Peterson, Steve Crump *New York Institute of Forensic Audio 2007 Forensic Digital Recovery* Summer Training Session June 18th- 22nd, 2007 Colonia NJ

Tom Owen and Jennifer Owen *Forensic Digital Recovery* American College of Forensic Examiners, Kansas City, MO October 4th-6th, 2007

Tom Owen, Stuart Allen, Durand R. Begault, Catalin Gregoras, Garrett Husveth, Richard Sanders, Gregg Stutchman, AES Workshop W15 Forensic Audio, Forensic Video, and Voice Identification in the Digital Age Audio Engineering Society, SC03-12 New York City, NY October 7, 2007 Jacob Javitts Center

Tom Owen *Forensic Audio and Video Authenticity and Steganography* John Jay College of Criminal Justice, New York, October 24, 2007.

Tom Owen, Ivan Siparov, Polina Zubova *Speech Technology Center Seminar, New York Institute of Forensic Audio* Winter Training Session December 3rd-7th, 2007 Colonia NJ 07067

WINNER OF THE "AMPEX GOLDEN REEL AWARD" 1976

NOMINATED for 2 N.A.R.A.S. "GRAMMY AWARDS" 1986

WINNER of the "GOLDEN EAGLE AWARD" 1997 American Board of Recorded Evidence

AWARDED BY "AMERICAN COLLEGE OF FORENSIC EXAMINERS" for appreciation and gratitude for his dedicated leadership as Chairman of the American Board of Recorded Evidence 1997 - 1998

AWARDED BY "AMERICAN COLLEGE OF FORENSIC EXAMINERS" The ACFE Outstanding Service Award for his efforts and dedication to the ACFE Organization. October 2000, Las Vegas, NV

BOOKS PUBLISHED

Tom Owen, *Scaling the Fretboard* (Chappell Music 1973)
Tom Owen, *The Chord Coloring Book* (Chappell Music 1974)
Tom Owen, *Tenor Banjo* (Chappell Music 1975)
Tom Owen, *Lead Guitar* (Chappell Music 1976)
Tom Owen, *The Classic Blues Singers* (Chappell Music 1977)

ORGANIZATIONS:

AUDIO ENGINEERING SOCIETY

THE AMERICAN BOARD OF FORENSIC EXAMINERS,
Diplomat, Fellow

THE AMERICAN BOARD OF RECORDED EVIDENCE,
Chairman

THE AMERICAN ACADEMY OF FORENSIC SCIENCES
INTERNATIONAL ASSOCIATION FOR IDENTIFICATION,
NEW JERSEY DIVISION

INTERNATIONAL ASSOCIATION FOR IDENTIFICATION,
KENTUCKY DIVISION

MUSICIANS LOCALS 11, 637, 802 (resigned)

CONTRIBUTOR TO THE FOLLOWING PUBLICATIONS:

Audio Engineering Society,

International Association for Identification

Law Enforcement Video Association,

The Viewfinder,

Videography Magazine

NJ Division of The Criminalist,

American Academy of Forensic Sciences,

Proceedings

American College of Forensic Examiners,

Journal and Internet Web Site, Mix Magazine

Mr. Owen has appeared as a Consultant to ABC Nightline, NBC, CBS, CNN, MSNBC, FOX 5 NY, NPR Radio, NOVA, Taipei, Chinese Television, Dateline, 60 Minutes, Law & Order, Forensic Files, CSI, CSI Miami other Networks and Television Programs.