

CURRICULUM VITAE

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Present Positions:

- Director, Forensic Training & Consulting, LLC since 1997
- Adjunct Professor/Forensic Training Coordinator, University of North Texas, since 1999

Former Positions:

- Instructor of Chemistry, Blinn College, Brenham, Texas 1970-1974
- Assistant Laboratory Director, Fort Worth Police Department, 1974-1983
- Adjunct Instructor of Chemistry, Weatherford College, Weatherford, Texas 1976-1980
- Adjunct Instructor of Criminal Justice, University of Texas at Arlington, 1980-1983
- Supervising Criminalist, Arizona Department of Public Safety, 1983-1996 (retired)
- Adjunct Instructor of Police Science, Northern Arizona University, 1984-1994
- Firearms Examiner, Tulsa Police Department, Tulsa, Oklahoma 1996-1997
- Adjunct Instructor of Police Science, Tulsa Community College, 1997
- Laboratory Manager, Weckerling Scientific Laboratories, Carrollton, Texas 1997-1998
- Criminalist, Forensic Consultant Services, Fort Worth, Texas, 1998-1999

Formal Education:

- B.S., Chemistry, Sam Houston State University, 1968
- M.A., Chemistry, Sam Houston State University, 1971

Special Courses Attended:

- *DEA Forensic Chemist Seminar*, McLean, Virginia, 1975
- *FBI Glass Analysis Course*, Quantico, Virginia, 1976
- *Applied Molecular Spectroscopy*, Arizona State University, Tempe, Arizona, 1977
- *ATF Arson Residue Analysis Course*, Rockville, Maryland, 1980
- *FBI Gunshot Residue Analysis Course*, Quantico, Virginia, 1981
- *Ballistics and Handloading Course*, Trinidad State College, Trinidad, Colorado, 1982
- *Polarized Light Microscopy*, McCrone Institute, Austin, Texas, 1982
- *FBI Instrumental Analysis of Paints and Polymers Course*, Quantico, Virginia, 1983
- *FBI Symposium on Footwear and Tire Tread Examination*, Quantico, Virginia, 1984
- *X-Ray Fluorescence Class*, Tracor Corporation, Flagstaff, Arizona, 1985
- *FBI Specialized Techniques in Firearms Identification Course*, Quantico, Virginia, 1987
- *Ruger Police Armorer's Course*, Phoenix Police Academy, Phoenix, Arizona, 1987
- *Crime Scene Reconstruction Class*, Dr. Henry Lee, Scottsdale, Arizona, 1988
- *AFTE Glock Armorer's Class*, Virginia Beach, Virginia, 1989
- *AFTE Remington 1100 Service Class*, Houston, Texas, 1991
- *Photomicrography Class*, Leitz Corporation, Phoenix, Arizona, 1991
- *Crime Scene Photography*, Flagstaff, Arizona 1992
- *Wound Ballistics Class*, Dr. Martin Fackler, Glendale, Arizona, 1992
- *Blood Spatter Interpretation and Crime Scene Reconstruction*, Scottsdale, Arizona, 1993
- *FBI Footwear and Tire Tread Examination Seminar* (presenter), Quantico, Virginia, 1994
- *SWAFS Shooting Reconstruction Class*, Colorado Springs, Colorado, 1995
- *SWAFS Lamp Bulb Examination Class*, Colorado Springs, Colorado, 1995

- *Accident Reconstruction and Low-Speed Crash Evaluation*, Texas A&M University, 1996
- *Bloodstain Pattern Interpretation*, University of North Texas, 2000
- *Recovery of Buried Remains*, University of North Texas, 2001
- *Bloodstain Pattern Interpretation*, University of North Texas, 2002

Professional Affiliations:

- Fellow of the American Academy of Forensic Sciences
- Distinguished Member of the Association of Firearm and Tool Mark Examiners
- Emeritus Member of the Southwestern Association of Forensic Scientists
- Emeritus Member of the American Society of Crime Laboratory Directors
- Member of the Association for Crime Scene Reconstruction
- Member of Clandestine Laboratory Investigating Chemists Association

Papers Presented :

- “Developing Regional Lab-User Agency Communication,” Southern and Southwestern Assns. of Forensic Scientists, Baton Rouge , Louisiana, 1986
- “Mikrosil Casting in Firearms Examinations,” Assn. of Firearm and Tool Mark Examiners, Houston, Texas, 1991
- “The Jennifer Wilson Homicide: A Study in Trace Evidence,” SW Assn. of Forensic Scientists, Tucson, Arizona, 1991
- “The Use of Videomicroscopy in Footwear Comparisons,” Southern and Southwestern Assns. of Forensic Scientists, Shreveport, Louisiana, 1992
- “The Reconstruction of a Double Homicide near Ashfork, Arizona,” SW Assn. of Forensic Scientists, South Padre Island, Texas, 1993
- “Gunshot Residue Testing of Blood Stained Garments,” SW Assn. of Forensic Scientists, South Padre Island, Texas, 1993
- “The Use of Hand-Held Laser Pointers in the Reconstruction of Events at Crime Scenes,” Southern and Southwestern Assns. of Forensic Scientists, Little Rock, Arkansas, 1994
- “The Application of Videomicroscopy to Footwear Identification,” International Symposium on Footwear/Tire Tread Identification, FBI Academy, Quantico, Virginia, 1994
- “Footwear/Tire Tread Identification-The Northern Arizona Perspective,” International Association for Identification, Phoenix, Arizona, 1994
- “The Application of Videomicroscopy to Footwear Identification,” International Association for Identification, Phoenix, Arizona, 1994
- “A Bizarre Homicide,” SW Assn. of Forensic Scientists, Houston, Texas, 1995
- “The Portable Scopeman-A Powerful New Crime Scene Tool,” SW Assn. of Forensic Scientists, Fort Worth, Texas, 1996
- “Defense Experts- The Good, The Bad, and The Ugly,” Texas Criminal Defense Lawyers Assn., El Paso, Texas, 1998
- “Forensic Science for the Prosecution and the Defense,” University of Texas Law School, 2000
- “The Defense of Shawn Berry,” Louisiana Criminal Defense Lawyers Association, Lafayette, Louisiana, 2000
- “The Defense of Shawn Berry,” University of Texas Law School, 2000
- “Private Forensic Labs – The Good, The Bad and The Ugly,” International Conference of the American Society for Industrial Security, 2001
- “Bloodstain Pattern Interpretation,” Oklahoma City University Law School, 2002
- “Crime Scene Deconstruction-Reconstruction,” Oklahoma City University Law School, 2002
- “Re-Analysis of Physical Evidence – A Defense Perspective,” American Academy of Forensic Science Annual Conference, Dallas, TX 2004

Specialized Forensic Classes Taught:

(List of classes taught from 1984-1998 is available upon request)

- *Shooting Reconstruction*, El Paso Police Department, 1999 (40 hrs)
- *Shooting Reconstruction*, Prince William County Police Training Center, Nokesville, Va., 1999 (40 hrs)
- *Shooting Reconstruction*, Florida Dept. of Law Enforcement, Pensacola, Fla., 1999 (24 hrs)
- *Shooting Reconstruction*, Salt Lake Co. Sheriff's Training Center, Salt Lake City, Ut., 1999 (24 hrs)
- *Shooting Reconstruction*, Tri-County Police Training Center, Fergus Falls, Minn., 1999 (24 hrs)
- *Clandestine Drug Lab Investigation*, Tarrant Co. (TX) Drug Task Force, Cleburne, Tx., 1999 (24 hrs)
- *Blood Spatter Interpretation*, Arlington Police Training Center, Arlington, Texas, 1999 (24 hrs)
- *Advanced Homicide Investigation*, Turkish National Police, Ankara, Turkey, 1999 (40 hrs)
- *Advanced Homicide Investigation*, Turkish National Police, Istanbul, Turkey, 1999 (40 hrs)
- *Shooting Reconstruction*, Gastonia Police Training Center, Gastonia, N.C., 1999 (24 hrs)
- *Shooting Reconstruction*, Tallahassee Police Department, Tallahassee, Florida, 1999 (24 hrs)
- *Shooting Reconstruction*, Tri-Cities Police Academy, Richardson, Texas, 1999 (24 hrs)
- *Shooting Reconstruction*, West Palm Beach Co. Sheriff, West Palm Beach, FL, 2000 (24 hrs)
- *Crime Scene Investigation*, Office of the Attorney General, Guatemala City, Guatemala, 2000 (40 hrs)
- *Officer-Involved Shooting Incidents*, University of North Texas, Denton, Texas, 2000 (16 hrs)
- *Advanced Shooting Reconstruction*, University of North Texas, Denton, Texas, 2000 (24 hrs)
- *Shooting Reconstruction*, Las Vegas Metro Police Department, Las Vegas, Nevada, 2000 (24 hrs)
- *Advanced Shooting Reconstruction*, West Palm Beach Police Department, Florida, 2000 (24 hrs)
- *Shooting Reconstruction*, East Texas Police Academy, Kilgore, Texas 2000 (24 hrs)
- *Shooting Reconstruction/Adv. Shooting Reconstruction*, NYPD, New York City, New York, 2000 (48 hrs)
- *Shooting Reconstruction*, Grossmont College, San Diego, California, 2000 (24 hrs)
- *Advanced Crime Scene Investigation/Reconstruction*, University of North Texas, Denton, Texas, 2000 (40hrs)
- *Shooting Reconstruction*, Suffolk County Crime Lab, Hauppauge, New York, 2000 (40 hrs)
- *Shooting Reconstruction*, Missouri State Police Academy, Columbia, Missouri, 2001 (24 hrs)
- *Shooting Reconstruction*, Bannock County Sheriff's Office, Pocatello, Idaho, 2001 (40 hrs)
- *Shooting Reconstruction*, Syracuse Police Department, Syracuse, New York, 2001 (40 hrs)
- *Shooting Reconstruction*, Federal Bureau of Investigation, Dallas, Texas 2001 (40 hrs)
- *Shooting Reconstruction*, Washington Metropolitan Police, Washington, D.C., 2001 (24 hrs)
- *Shooting Reconstruction*, Special Investigations Unit, Mississauga, Ontario, Canada, 2001 (24 hrs)
- *Shooting Reconstruction/Officer-Involved Shootings*, Northwestern University, Chicago, 2001 (40 hrs)
- *Footwear/Tire Tread Evidence*, Metropolitan Police Department, Washington, D.C., 2001 (24 hrs)
- *Officer-Involved Shootings*, Baton Rouge Police Department, Baton Rouge, Louisiana, 2001 (16 hrs)
- *Officer-Involved Shootings*, East Texas Police Academy, Kilgore, Texas, 2001 (16 hrs)
- *Bio-Terrorism*, Kimberly-Clark Corporation, Dallas, Texas, 2001 (4 hrs)
- *Advanced Shooting Reconstruction*, East Texas Police Academy, Kilgore, Texas, 2001 (24 hrs)
- *Shooting Reconstruction*, Santa Barbara County Sheriff's Office, Santa Barbara, California, 2002 (24 hrs)
- *Bio-Terrorism*, Solutions 2000, Austin, Texas, 2002 (8 hrs)
- *Gunpowder and Primer Residues*, University of North Texas, Denton, Texas, 2002 (40 hrs)
- *Advanced Shooting Reconstruction*, University of North Texas, Denton, Texas, 2002 (24 hrs)
- *Shooting Reconstruction*, Metropolitan Police Department, Washington, D.C., 2002 (total of 72 hrs)
- *Shooting Reconstruction/Officer-Involved Shootings*, Northwestern University, Chicago, 2002 (40 hrs)
- *Shooting Reconstruction*, Special Investigations Unit, Mississauga, Ontario, Canada, 2002 (24 hrs)
- *Shooting Reconstruction*, Federal Bureau of Investigation, Dallas, Texas 2002 (40 hrs)
- *Shooting Reconstruction*, El Paso Police Department, El Paso, Texas 2002 (40 hrs)
- *Tool Mark Comparison*, Centre of Forensic Science, Toronto, Ontario, Canada, 2002 (40 hrs)
- *Shooting Reconstruction*, Sioux Falls Police Department, Sioux Falls, South Dakota, 2002 (40 hrs)

Specialized Classes Taught (continued):

- *Footwear/Tire Tread Evidence*, East Texas Police Academy, Kilgore, Texas, 2002 (24 hours)
- *Crime Scene Analysis/Reconstruction*, East Texas Police Academy, Kilgore, Texas, 2002 (24 hours)
- *Shooting Incident Analysis/Reconstruction*, Las Vegas Metro Police, Las Vegas, NV, 2003 (48 hours)
- *Shooting Incident Reconstruction*, St. Louis County Police Academy, St. Louis, MO, 2003 (24 hours)
- *Crime Scene Analysis/Reconstruction*, NYPD, New York, New York, 2003 (24 hours)
- *Bloodstain Pattern Analysis in Crimes of Violence*, NYPD, New York, New York, 2003 (24 Hours)
- *Advanced Trajectory Analysis*, Special Investigations Unit, Mississauga, Ontario, Canada, 2003 (24 hours)
- *The Abuse and Sexual Assault of Children*, East Texas Police Academy, Kilgore Texas, 2003 (16 hours)
- *Advanced Trajectory Analysis*, Federal Bureau of Investigation, Dallas, Texas, 2003 (40 hours)
- *Gunpowder & Primer Residues in Distance Determination*, Denton County Sheriff's Training Center, Denton, Texas, 2003 (40 hours)
- *The Analysis/Reconstruction of Crimes of Violence*, UNT Police Academy, Denton, Texas, 2003 (24 hours)
- *Advanced Trajectory Analysis*, UNT Police Academy, Denton, Texas, 2003 (24 hours)
- *Shooting Incident Reconstruction*, Charlotte-Mecklenburg Regional Police Training Center, Charlotte, NC, 2003, (40 hours)
- *Shooting Incident Reconstruction*, Nashville Metro Police Academy, Nashville, Tennessee, 2003 (40 hours)
- *The Investigation of Officer-Involved Shootings*, Drug Enforcement Administration Academy, Quantico, Virginia, 2003 (40 hours)
- *Gunpowder & Primer Residues in Distance Determination*, San Diego Police Department, San Diego, CA, 2003 (40 hours)
- *Crime Scene Analysis/Reconstruction*, East Texas Police Academy, Kilgore, Texas, 2003 (24 hours)
- *Bloodstain Pattern Analysis*, UNT Police Academy, Denton, Texas 2003 (40 hours)
- *Crime Scene Analysis/Reconstruction*, Florida Public Defenders Association, Ft. Lauderdale, FL, 2003 (16 hours)
- *The Investigation of Officer-Involved Shootings*, Drug Enforcement Administration Academy, Quantico, Virginia, 2004(40 hours)
- *Gunpowder & Primer Residues in Distance Determination*, NYPD, New York, New York, 2004 (40 hours)
- *Forensic Photography*, St. Louis County Police Academy, St. Louis, MO, 2004 (24 hours)
- *Advanced Trajectory Analysis*, St. Louis County Police Academy, St. Louis, MO, 2004 (24 hours)
- *Forensic Photography*, East Texas Police Academy, Kilgore, TX, 2004 (24 hours)
- *Advanced Trajectory Analysis*, Federal Bureau of Investigation, Dallas, TX, 2004 (40 hours)
- *Crime Scene Reconstruction*, Special Investigations Unit, Mississauga, Ontario, Canada, 2004 (24 hours)
- *Officer Involved Shootings*, Drug Enforcement Administration, Quantico, VA, 2004 (24 hours)
- *Bloodstain Pattern Analysis*, Fort Worth Police Department, Fort Worth, TX, 2004 (40 hours)
- *Introduction to Shooting Incident Reconstruction*, S.C.I.A.I., Columbia, SC, 2004 (8 hours)
- *Shooting Reconstruction/Officer Involved Shootings*, NWU, Evanston, IL, 2004 (40 hours)
- *Introduction to Shooting Incident Reconstruction*, Monterrey County S.O., Monterrey, CA, 2004 (40 hours)
- *Introduction to Shooting Incident Reconstruction*, Helena Police Department, Helena, MT, 2004 (40 hours)

Publications:

- "Reaction of Azobenzene with Triphenylphosphine," co-authored with R.E. Humphrey, *Journal of Organic Chemistry*, 1971
- "A Procedure for the Isolation and Identification of LSD in a Single Dosage Unit (The Microdot Tablet)," *Microgram*, 1976
- "A Comparison of Decomposition Products from Selected Burned Materials with Common Arson Accelerants," co-authored with R.W. Clodfelter, *Journal of Forensic Sciences*, 1977
- "An Examination of Selected Automobile Rubber Bumper Guards," co-authored with R.W. Clodfelter, *Journal of Forensic Sciences*, 1977
- "Techniques for Extraction of Spermatozoa from Stained Clothing: A Critical Review," *Journal of Forensic Sciences*, 1977
- "Tannic Acid as a Field Test for Caffeine," *Microgram*, 1982

- “Toy Store Bomb Paraphernalia,” *AFTE Journal*, 1984
- “Forensic Aspects of Shotgun Buffers,” *AFTE Journal*, 1984
- “Enhancement of Footwear Impressions on Glass,” co-authored with R.A. Erfert, *SWAFS Journal*, 1985
- “Stripping of Lead Bullets in a Browning High Power Pistol,” *AFTE Journal*, 1988
- “The Browning of Firearms Serial Numbering System,” *AFTE Journal*, 1988
- “An Anti-Splashback Lid for Water Traps,” *AFTE Journal*, 1988
- “A Preliminary Report on the Application of Fiber-Optic Videomicroscopy to Firearm and Tool Mark Examination,” *AFTE Journal*, 1990
- “Class Characteristics of Mossberg C-Lect-Choke Barrels with Factory Porting,” *AFTE Journal*, 1990
- “The Examination of Goodyear Neolite Cowboy Walking Boot Heels,” *SWAFS Journal*, 1992
- “The Application of Fiber-Optic Videomicroscopy to Firearm and Tool Mark Examination- A Further Look,” *AFTE Journal*, 1993
- “Calculation of Trajectory Angles Using an Inexpensive Angle Gauge,” *AFTE Journal*, 1993
- “Gunshot Residue Testing of Blood Stained Garments,” *AFTE Journal*, 1993
- “Gunshot Residue Testing of Blood Stained Garments,” *SWAFS Journal*, 1994
- “The Use of Hand-Held Laser Pointers in the Reconstruction of Events at Crime Scenes,” co-authored with B.M. Courtney, *SWAFS Journal*, 1994
- “The Portable Scopeman- A Powerful New Crime Scene Tool,” *SWAFS Journal*, 1996
- “Some Observations on Blood Back-Spatter,” *SWAFS Journal*, 1997
- “A New and Economical Forensic Light Source for Crime Scene and Laboratory Use,” *SWAFS Journal*, 2003

Books Contributed To/Written:

- Mozyani, A. and Noziglia, C., “The Real Crime Lab” (chapter on Firearm/Tool Mark identification), Humana Press: New Jersey, Publication Pending 2004
- Hueske, E.E., “Fingerprints and Firearms”, Essentials of Forensic Science Series, Facts on File: New York, Publication Pending 2005
- Hueske, E.E., “The Analysis and Reconstruction of Shooting Incidents”, CRC Press: London, Publication Pending 2005

Training Videos Written/Produced (Through the Law Enforcement Training Network of Carrollton, Texas, 2002-03):

- “Bloodstain Pattern Analysis I”
- “Bloodstain Pattern Analysis II”
- “Blood Spatter in Shooting Incidents”
- “Bloodstain Evidence Documentation”
- “The Proper Use of Trajectory Rods”
- “Bullet Ricochet Phenomena I”
- “Bullet Ricochet Phenomena II”
- “Finding Invisible Footwear Impressions at Crime Scenes”
- “Photographing & Casting Impression Evidence”
- “Tire Tread Evidence Deductions”
- “Producing Test or Elimination Impressions”
- “The Use of Gunshot Residue in Distance Determinations”
- “Cartridge Case Ejection Pattern Testing”

Professional Offices Held:

Association of Firearm and Tool Mark Examiners:

- Reviewer for *AFTE Journal*, 1989-present

Southwestern Association of Forensic Scientists:

- Program Chairman, 1984

- Member, Board of Directors, 1986-1988
- Chair of Professional Development, 1988-1990
- *SWAFS Journal* Editor, 1988-1992
- President, 1993-1994
- Chairman, Board of Directors, 1994-1995
- Fall Meeting Workshop Chair, 1993

American Society of Crime Lab Directors:

- Member, Board of Directors, 1986-1989
- Chair, Publication Committee, 1986-1987
- Chair, Membership Committee, 1987-1989
- Laboratory Accreditation Inspector (ASCLD-LAB), 1987-1995
- Laboratory Accreditation Board Member (ASCLD-LAB), 1996
- Forensic Science Operations and Program Committee, 1988-1991
- Member, Management Committee, 1992-1994
- Chair, Crime Scene Investigation Standards Committee, 1996

Advisory Board Membership

- Currently serve as a member of the NYPD Laboratory Accreditation Advisory Board

Awards/Honors:

- “Distinguished Member Award,” AFTE, 1988
- “James Zotter Award,” SW Assn. of Forensic Scientists, 1991, (“For Outstanding Dedication and Contributions to the Southwestern Association of Forensic Scientists and Forensic Science.”)
- “Best Technical Paper,” Southern and SW Assns. of Forensic Scientists, 1992, “The Use of Videomicroscopy in Footwear Comparisons”
- “Best Technical Paper,” SW Assn. of Forensic Scientists, 1993, “The Reconstruction of a Double Homicide near Ashfork, Arizona”
- “Best Technical Paper,” Southern and SW Associations of Forensic Scientists, 1994, “The Use of Hand-Held Laser Pointers in the Reconstruction of Events at Crime Scenes,” co-authored with Max Courtney
- Awarded Emeritus status in the American Society of Crime Laboratory Directors, 1996
- Awarded Emeritus status in the Southwestern Association of Forensic Scientists, 1997