

Speckin Forensics, LLC

120 N. WASHINGTON SQUARE, SUITE 300
PMB 5068
LANSING, MICHIGAN 48933
517-349-3528 • FAX 954-839-8219

PLEASE DIRECT CORRESPONDENCE & PAYMENT HERE:
2450 HOLLYWOOD BOULEVARD, SUITE 700
HOLLYWOOD, FLORIDA 33020
954-763-6134 • FAX 954-839-8219

WWW.4N6.COM

LEONARD A. SPECKIN
RETIRED DOCUMENT ANALYST
DR. GEORGE F. JACKSON Ph.D.
FORENSIC TOXICOLOGIST

MICHAEL P. MULDERIG
FORENSIC FIREARMS
BALLISTICS SPECIALIST

MICHAEL J. SINKE
RETIRED LATENT PRINT SPECIALIST
RETIRED CRIME SCENE RECONSTRUCTION
RETIRED FORENSIC DOCUMENT ANALYST

ERICH J. SPECKIN
FORENSIC DOCUMENT ANALYST
INK DATING SPECIALIST
CRIME SCENE RECONSTRUCTION

ANTHONY A. MILONE
COMPUTER & GRAPHICS SPECIALIST
FORENSIC DOCUMENT SPECIALIST

ROBERT WALKER
CRIME SCENE ANALYST
FORENSIC FIREARM EXPERT

JUAN RUIZ
COMPUTER, MOBILE DEVICE SPECIALIST
THOMAS K. HUARD Ph.D.
DNA ANALYST & CONSULTANT

MARSHAUN J. BLAKE
ARSON INVESTIGATOR
VEHICLE FIRE SPECIALIST

DR. JULIE A. HOWENSTINE
SEROLOGIST
DNA ANALYST & CONSULTANT
CRIME SCENE RECONSTRUCTION

Michael Mulderig

michaelm@4N6.com

SUMMARY

Experienced Law Enforcement and Forensic Firearm and Toolmark Analyst. Proven ability to work independently and maintain high levels of productivity. Established high-level reputation and reliability. Testified extensively as a court certified expert on forensic cases in the courts of Washington, DC, and surrounding areas. Familiar with the National Integrated Ballistic Identification System (HIBIN)

EXPERIENCE

Speckin Forensics LLC, Forensic Firearms and Toolmark Examiner, January 2023 to Present

- Conduct in-depth review of forensic reports and analysis of firearms evidence.
- Photograph forensic evidence related to case analysis.
- Provide expert analysis of shooting distance determination and toolmark comparison.
- Conduct microscopic and chemical analyses on firearms, fired bullets, cartridge cases, clothing, and any evidence related to crime scenes.
- Provide extensive expert testimony in the United States courts.

Forensic Firearms and Toolmark Examiner Contractor, 2014 to 2021

Forensic Firearms and Toolmark Examiner, City of Washington, D.C., November 1995 to October 2012

- Provide expert analysis of all types of firearms to determine functionality and proper safety operation.
- Conducted in depth review of forensic reports and analysis of firearms evidence.
- Photograph all forensic evidence related to case analysis.
- Provided expert analysis of shooting distance determination, toolmark comparison, and serial number restoration.
- Conducted thousands of microscopic and chemical analyses on firearms, fired bullets, cartridge cases, clothing, and any evidence related to firearms.
- Provided extensive expert testimony in the courts of Washington, D.C., and surrounding jurisdictions.
- Provided expert training sessions to the United States Attorney's Office and the Office of the Public Defenders

Washington D.C. Police Officer, August 1982 to August 2007

- Investigated all offenses involving violations of Washington D.C. and United States Criminal Codes.
- Provide comprehensive reports of all investigative and arrest activity.
- Conducted interviews of witnesses, suspects, and victims
- Trained and experienced in processing crime scenes.
- Provided testimony concerning the results of processed crime scenes and criminal investigations in Washington D.C. Superior Court and United States Federal Courts
- Washington D.C. Police Academy classroom instructor for recruits and experienced officers on all areas of the police curriculum, including investigative techniques and firearms.

SKILLS

- Expertise in Firearms
- Strong Work Ethics
- Strong Communication Skills
- Strong Goals and Achievements
- Attention to Detail
- Ability to process crime scenes, especially those involving firearms.
- Ability to Deal Tactfully and Courteously with Others
- Able to Carry Out Any Investigation in a Neutral and Impartial Manner
- Photographic Experience
- Timely Project Completion
- Great Case Management Ability
- Team player
- Proven Ability to Work Unsupervised

ACCOMPLISHMENTS

- First Metropolitan Police Department Firearm Examiner to become certified by The Association of Firearms and Toolmark Examiners
- The only firearm examiner assigned to the Metropolitan Police Departments Firearms Unit to connect sixteen (16) Washington, D.C., and four (4) neighboring jurisdiction cases that included five (5) homicides and eleven (11) assaults representing the same ten (10) firearms used on twenty (20) different crime scenes.
- Successfully completed, with one hundred (100) percent accuracy, several proficiency exams provided by Collaborative Testing Laboratories
- Participated and completed with one hundred (100) percent accuracy, survey's that show consecutively manufactured firearm barrels and slides can be differentiated.
- Supervised and trained over five hundred (500) police recruits. One (1) recruit became Chief of Police, and another became Assistant Chief of Police of the Washington, D.C. Police Department

SPECIALIZED TRAINING

Completion of a two (2) year curriculum that included on site on the job training within the Washington, D.C. Police Departments Firearms Unit. This curriculum was written by a retired FBI Firearms Expert and a retired Virginia Firearms Expert and adopted by AFTE and the ATF Firearms Academy as their training curriculum.

Armorer's Courses:

Training provided by firearm manufacturers to disassemble and reassemble their firearms to manufacture specifications:

- Glock
- Benelli Shotguns
- Beretta
- Sig Arms
- Ruger
- Smith & Wesson

Gunshot Residue:

Determining the presence of residue and distance of muzzle to target in shooting incidents.

Firearm Ejection Port and Trajectory Analysis:

Determining the approximate location of the shooter.

Serial Number Restoration:

Training provided by the Bureau of Alcohol, Tobacco, and Firearms that explains the techniques used to restore obliterated serial numbers.

Integrated Ballistics Identification System: (IBIS)

Training provided by Forensic Technologies and The Bureau of Alcohol, Tobacco and Firearms in operating procedures and entering ammunition components recovered from crime scenes into a computer database to determine if other crime scenes may be associated.

- Capable of performing correlation of entries and comparison of High Confidence Candidates (HCC's) to ensure association.
- Travel to other agencies regarding HCC associations along with proper documentation.

Forensic Laboratories and Other Institutions Visited for Training:

- West Palm Beach Sheriff's Office
- Federal Bureau of Investigation
- Bureau of Alcohol, Tobacco and Firearms
- Virginia State Forensic Laboratory
- Illinois State Police Crime Laboratory

Professional In-depth Tours:

Ammunition Manufactures, detailed observation how ammunition is manufactured:

- Remington-Peters
- Federal Cartridge Company
- Olin Manufacturing
- Starline Ammunition

Firearm Manufactures, detailed observation of how firearms are manufactured:

- Winchester
- Ruger
- Colt
- Beretta
- Smith & Wesson
- Savage Arms

LECTURES

- Eastern Regional Training Conference for Firearms and Toolmark Examiners
- Crime Scene Technicians, Metropolitan Police Department, Washington, D.C.
- United States Attorney's Office, Washington, D.C.
- Public Defenders Service, Washington D.C.
- Metropolitan Police Department's Specialized Units, Washing, D.C.

CERTIFICATIONS

- Metropolitan Police Department, Washington, D.C.
- The Association of Firearms and Toolmark Examiners (retired)

PROFESSIONAL ASSOCIATIONS

- Former member of The Association of Firearms and Toolmark Examiners
- Current member of the Association of Retired Police Officers
- Current member of the National Rifle Association

AWARDS

Several commendations, press releases, and achievement awards presented by the United States Attorney's Office, Washington D.C., and The Metropolitan Police Department, Washington D.C. These awards recognize excellent proper case management; excellent clear and concise presentation of case analysis; and outstanding case completions of one hundred fifty to one hundred sixty cases a year. These cases consist of violent crimes such as Homicides and Assaults with Intent to Kill.

In addition, I was awarded the Firearms Examination Sections Silver Star Achiever for the calendar year of 2005. I made an examiner comparison on two different caliber firearms that connected three homicides and one assault case. With these connections and the assistance of the IBIS System, I ultimately connected 16 Washington D.C. cases and four cases from a neighboring jurisdiction that included five homicides and 11 assaults representing that the same 10 firearms were used on 20 different crime scenes. This was the largest inter-nexus of violent crime cases ever produced by anyone assigned to the Firearms Examination Section.