

30 May 2019

SUBJECT: Curriculum Vitae of Mr. William Bailey, President, Bailey Firearm Forensics, Inc. (BFF), 8902 Charlotte Mountain Road, Rougemont NC 27572

1. President of BFF, which is a forensic training and consulting corporation responsible for providing forensic support to attorneys, law enforcement agencies, insurance companies, private investigators, military organizations and civilian personnel. I'm also a forensic firearm and toolmark examiner.

Some of my duties include the examination of firearms; the examination of ammunition and ammunition components; the microscopic comparison of questioned bullets, cartridge cases and toolmarks; the restoration of obliterated serial numbers; distance determinations (both gunpowder and shotgun pattern analysis), the examination of security devices such as padlocks and safes and shooting reconstruction.

2. The following is a detailed listing of training completed with regard to firearm and toolmark examination, comparison and identification:

- a. Completed a formal two-year resident program of instruction for Firearm and Toolmark Examiners given by the FFTS, Inc. Upon completion of this training, which started in 2016, I received a certificate from the FFTS, Inc. authorizing me to conduct firearm and toolmark examinations. I have been an examiner in excess of 2 years.
- b. Received instruction from FFTS, Inc., in the subject of fracture analysis and shooting reconstruction. This training was conducted at the Fayetteville Police Department, Forensic Unit on 27 June 2016.
- c. Participated in a Forensic/CSI ride-along program with the Durham Forensics Unit, Durham, NC on 1 July 2016, as part of my formal training program.
- d. Attended a 5-day Advanced Shooting Reconstruction Course at Central Piedmont Community College, Huntersville, NC between the dates of 3-8 October 2016.
- e. Attended an advanced workshop dealing with firearm functionality and operability, assembly and disassembly, firearm function testing and firearm safety mechanisms given by FFTS, Inc. on 21 December 2016.
- f. Attended a Serial Number Restoration Workshop hosted by the Fayetteville Police Department Forensics Unit on 1 February 2017.

- g. Participated in a one-day workshop dealing with Gunshot Residue/Distance Determination hosted by the York County Sheriff's Office, York, SC, on 21 February 2017.
- h. Attended a three day Firearms Injury and Distance Determination Course at the Central Piedmont Community College at Huntersville, NC between the dates of 1-3 March 2017.
- i. Extensive Reloading/Handloading background and experience in handgun (pistol and revolver), rifle and shotgun cartridges.

3. In addition to these school/courses, I have toured the following major manufacturers and exhibits within the United States in order to become familiarized with manufacturing techniques and historical technological developments:

- a. U.S. Army Ordnance Museum, Aberdeen Proving Ground, Maryland on 12 October 2008.
- b. Atlanta Arms Ammunition Company, Villa Rica, GA, 15 November 2016.
- c. Airborne Museum, Fayetteville, NC on 4 December 2016.
- d. North Carolina Museum of History, Raleigh, NC on 2 December 2016.
- e. Sirchie Manufacturing Facility, Youngsville, NC.
- f. Attendance at numerous trade shows, firearm and ammunition shows.

4. Professional Organizations:

- a. International Ammunition Association (IAA)
- b. International Association of Identification (IAI)
For North Carolina
- c. .50 Caliber Shooter's Association
- d. National Rifle Association (NRA)

5. Education:

- a. Bachelor of Science Electrical Engineering, San Francisco State University
- b. Formal two-year program of instruction for Forensic Firearm and Toolmark Examiner.

6. Professional papers/books that I have written and conducted research on within this forensic science discipline. This also includes firearm related training and work within committees:

- a. Battlefield Forensics for Persian Gulf States: Regional and U.S. Military Weapons, Ammunition and Headstamp Markings. Available in hard and soft cover as well as downloadable from Amazon. ISBN-13: 978-1138370609

7. Lectures given:

- a. Co-instructed a 5-day Advanced Shooting Reconstruction Course at Central Piedmont Community College, Huntersville, NC between the dates of 3-8 October 2016.
- b. Co-instructed a three day Firearms Injury and Distance Determination Course at the Central Piedmont Community College at Huntersville, NC between the dates of 1-3 March 2017.
- c. Co-instructed a three day Firearms Injury and Distance Determination Course at the Central Piedmont Community College at Huntersville, NC between the dates of 4 and 6 October 2017.

8. Visits to Crime Laboratories:

- a. Durham Forensics Unit, Durham Police Department, Durham, NC
- b. Fayetteville Forensics Unit, Fayetteville Police Department, Fayetteville, NC
- c. ATF, Atlanta, GA
- d. York County Sheriff's Office, York, SC

9. Seminars Attended:

- a. Seminar For Experts and Attorneys, sponsored by North Carolina Indigent Defense Services, 4 January 2019.

In addition to the above I've also received two weeks of advanced firearm and toolmark identification-related training at the York County Sheriff's Office Forensics Unit at York, SC.