


Columbia International Forensics Laboratory 202 Casey Court, Newport, WA. 99156-9363	Trace	Voice: (509) 447-2067 Fax: (509) 447-4184 Email: 4n6@povn.com
	Ballistics	
	Firearms	
	Toolmarks	
	Physical Evidence	
		
Reconstruction	Gaylan Warren Forensic Microscopist	
Investigation		
Examination		
Evaluation		
Analysis		

**Mr. Gaylan Warren, Principal
COLUMBIA INTL. FORENSICS LAB.**

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FFL : 9-91-051-01-2L-87000

CDL

Mr. Gaylan Warren

Forensic Microscopist, Toolmark and Firearm examiner.

Established COLUMBIA INTERNATIONAL FORENSICS LABORATORY

October 1, 1988 for the purpose of providing independent forensic reconstruction, investigation, examination, evaluation, and analysis.

Firearm Examination : Function, design, operation, defects, distance determination, means of discharge, ammunition/reloading questions, trajectory, path, wound/terminal ballistics, shooting scene reconstruction.

Comparison Microscopy : Impressions, striations, marks, tracks, bullet / cartridge case identification, toolmarks, footwear impressions, tire / wheel tracks, documents, alterations, scene reconstruction.

Chemical microscopy / trace examination : Hair, fibers, glass, paint, soil, alterations, trace substances, wear, mechanical abuse, documents, scene reconstruction.

Forensic Consultant : Crime scene reconstruction. Blood spatter examination. Report review; the meaning, value, and usefulness of technical reports. Exhibit preparation.

Education:

Bachelors of Science (Biology) 1971, double major - Chemistry and Biology, Whitworth College, Spokane, Washington. Associate of Applied Science (Professional Photography) 1979, Spokane Falls Community College, Spokane, Washington.

Training:

TASER Evidence Collection and Analysis Certification Course. TASER International 2009
223 - "Carbine" - August 2006, Gunsite Academy
350 "Intermediate Defensive Pistol" - July 2006, Gunsite Academy
UNDERSTANDING & INVESTIGATING AN OFFICER INVOLVED SHOOTING. Dr. William Lewinski and Dr. Alexis Artwohl, Force Science Research Center. June 2006
TASER X26 & ADVANCED TASER M26 Instructor Course. May 2006, West Richland PD
260 "Defensive Shotgun" -October 2005 Gunsite Academy
270 "General Rifle" -August 2005 Gunsite Academy
Winning Extreme Encounters from Street to Court -June 2005, Dr. Bill Lewinski, Force Science Research Center.
250 "Defensive Pistol" - August 2004 Gunsite Academy
HiPoint Armorer's course - 2004 HiPoint / AFTE
Savage Armorer's course - 2004 Savage / AFTE
Glock Armorer's course - October,2003, Glock Inc. / NWAFS
Scientifically Defensible Criteria for the Identification of Toolmarks - 2003, AFTE
Shooting Scene Reconstruction Oct.14-18, 2002 Haag & Haag / Gunsite Academy
Smith & Wesson Academy "Pistol Armorer" 1999 S&W Academy
H&K-USP Armorer's course - 1995, H&K / AFTE
Glock Armorer's course - 1994, Glock Inc. / AFTE
Ruger pistol, revolver, & rifle familiarization / armorer course - 1993, Sturm, Ruger & Co. / AFTE
Colt * All American 2000 pistol armorer's course - 1992. Colt / AFTE
Advanced Bloodstain & Spatter Analysis - 1992, J.L. Bunker & Associates / Spokane Police Training Center.
Tire Footprint Identification - 1991, Peter McDonald / NWAFS
Fingernail Striae Symposium - 1991, AFTE
Sig/Sauer Pistol Armorer's course - 1991, SIGARMS / AFTE
Bloodstain Pattern Analysis - 1991, J.L. Bunker & Associates / Spokane Community College.
Exterior Ballistics Workshop - 1990, R. Nennstiel / AFTE
C.A.D. Trajectory Program - 1990, J. Roberts / AFTE
Footwear Impression Evidence - 1990, W. Bodziak, F.B.I. / NWAFS
Basic AutoCAD - 1989, I.T.T. Technical Institute, Spokane, WA
Criteria for Identification Committee Symposium - 1989, F.B.I. / AFTE
Glock Armorer's course - 1989, Glock Inc. / AFTE
Gunpowder and Primer Residues - 1981, F.B.I.
Smith & Wesson Revolvers armorer school - 1979, Smith & Wesson
Smith & Wesson Pistols armorer school - 1979, Smith & Wesson
C.L.I.S. Rifling Characteristics - 1979, F.B.I.
Forensic Microscopy of Soils - 1978, McCrone Research Institute
Explosive Taggants - 1978, A.T.F. Department of Treasury
Applied Polarized Light Microscopy - 1977, McCrone Research Institute
Criminalistics - 1976, F.B.I.

Polarizing Microscopy - 1975, E. Leitz, Inc.
Crime Laboratory Photography - 1975, F.B.I. / University of Virginia
Latent Impressions in Metals - 1974, N.A.T.B.

Experience & accomplishments :

- Instructor presenter 2 day workshop :Shooting Scene reconstruction” 2004 NWAFS
- AFTE Board of Directors. 2001 to 2003
- AFTE Member of the year 1997-1998
- AFTE Webmeister web page editor 1995-2001 www.afte.org/
- Wound Ballistics Terminology/Shooting Scene Reconstruction Committee. 1995,6. AFTE
- Automation Technology Committee.- Chairman 1992,3,4. AFTE
- Instructor / Presenter AFTE “Forensic Reloading” workshop.
- Instructor / Presenter NWAFS “Toolmarks in Reloading” workshop.
- Instructor / Presenter AFTE “Shooting Scene Reconstruction” workshop.
- Instructor / Presenter NWAFS “Shooting Scene Reconstruction” workshop.
- Instructor / Presenter AFTE “Trajectory / Trajectory reconstruction” workshop.
- Forensic Firearms Imaging Standardization Conference. AFTE Digt.1991, Montreal, Canada
- AFTE Distinguished member award . 1991
- Criteria for Identification Committee. Chairman 1991,2. Member 1988,89,90. AFTE
- 17 years (71-88) experiece with the Washington State Crime Laboratory (Spokane). Criminalist in charge of Toolmark, Firearms, and Photographic areas. Senior microscopist. Maintenance and operations manager of the laboratory.
- Applied for membership in AFTE 1978, application notice published 1979.
- CLIS General Rifling Characteristics test group 1979
- Participant in AFTE Training Seminar since 1975 ‘San Diego, CA’
- Expert witness testimony: Alaska, Arizona, British Columbia, California, Colorado, Hawaii, Idaho, Minnesota, Mississippi, Montana, New York, Ohio, Oregon, Texas and Washington in excess of three hundred occasions.
- Consultant: Alabama, Alaska, Arizona, Arkansas, Barbados, British Columbia (BC), California, Colorado, Connecticut, Florida, Guam, Hawaii, Idaho, Illinois, Indiana, Iowa, Kansas, Kentucky, Louisiana, Maryland, Michigan, Minnesota, Mississippi, Missouri, Montana, Nevada, New Jersey, New Mexico, New York, North Carolina, North Dakota, Ohio, Oklahoma, Ontario (ON), Oregon, Pennsylvania, Puerto Rico, Quebec (PQ), South Carolina, South Dakota, Tennessee, Texas, Utah, U.S. Virgin Islands, Virginia, Washington, Wisconsin, and Wyoming.
- Adjunct faculty / guest lecturer: Washington State Patrol Academy, Spokane Police Academy, Washington Criminal Justice Training Center, Eastern Washington University, Gonzaga University, University of Idaho, Others.

Publications / presentations :

- Shooting Scene Reconstruction / Physical Evidence - NWAFS workshop presentation
- System for Toolmark Identification: Electronic Imaging, Recording, and Comparison - AFTE Journal
- Glass Cutter Impression Identification - AFTE Journal
- Simple Measurement of Angles of Elevation - AFTE Journal
- Temperature Initiated Discharge - AFTE Journal
- SnowPrint Wax - Footwear / Tire Impressions in Snow - AFTE Journal
- Shooting Scene Reconstruction / Total Station - NWAFS presentation
- Infrared crime scene / evidence search and documentation - IABPA Symposium

- Forensic Significance of Loading Toolmarks - AFTE workshop presentation
 - Shooting Scene Reconstruction - AFTE Symposium
 - Reloading - a Forensic Perspective - AFTE Symposium
 - Microsurface Topography Comparison Recording - AFTE presentation
 - Marks from the Reloading Bench - AFTE presentation
 - Glass Cutter Impression Comparison - AFTE presentation
 - Tire Tread Impressions - Steel Wheels - NWAFFS presentation
 - Muzzle Brakes, Their Powder Patterns - AFTE presentation
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Professional Associations :

- AFTE** - Association of Firearm and Toolmark Examiners - Distinguished member. #391
 WebMeister 1995-2001; AFTE home page = <http://www.afte.org/>
- NWAFFS** - Northwest Association of Forensic Scientists - Charter member.
- IAA** - International Ammunition Association, Inc. - Life member. #34
- IWBA** - International Wound Ballistics Association - Member.
- IABPA** - International Association of Bloodstain Pattern Analysts - Member. #394
- IAI** - International Association for Identification - Associate member. #12504
- NRA** - National Rifle Association - Life member.
- BPA** - Biological Photographers Association - past member.
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Employment history :

* Currently, since October 1988 :

Self employed, Principal - Columbia International Forensics Laboratory. Located in the Columbia River drainage in northeastern Washington about 30 miles north of Spokane and about 4 miles west of Idaho. Providing independent forensic; consultation, reconstruction, investigation, analysis, examination, evaluation, exhibits, and expert witness testimony.

* 1977 to Sept. 1988 :

Criminalist 3

Washington State Patrol Crime Laboratory
 100 Public Safety Building, Spokane, WA 99260
 (509) 456-4144 *supervisor:* John Kearns

Criminalist in charge of Toolmark / Firearm unit, responsible for providing scientific support to all investigative agencies in Eastern Washington state. Ensure timeliness, responsiveness, and correctness of examinations and reports. Determine needs and budget accordingly. Assign work priorities, monitor the quality and quantity of work. Review the analytical work and maintain a statistical database of activity.

Manage the Photographic unit. Provide photographic support in all phases of laboratory activity. Provide technical aid and assistance both in and out of the laboratory. Determine needs and budget accordingly.

As senior microscopist, provide technical aid and assistance both in the laboratory and to users of the laboratory. Review and monitor the quality and quantity of analytical work.

Report results of findings, tests conducted and give opinion testimony.

Manage and monitor the entry, acquisition, and retrieval of the laboratory management data. Perform accuracy and completeness checks. Assist in program development and implementation of the computerized database.

Operations manager for the physical plant. Determine needs and budget accordingly. Maintain materials and supplies for the operation of the facility. Maintain an inventory. Maintain MSDS records.

Perform and supervise the maintenance and repair of the laboratory analytical instrumentation.
Conduct, attend and participate in training seminars. Stay abreast of current practices, research and developments in forensic science.

* 1974 to 1977 :

Criminalist 2

Washington State Patrol Crime Laboratory
100 Public Safety Building, Spokane, WA 99201
(509) 456-4144 *supervisor:* John Kearns

Criminalist conducting all manner of physical evidence examination. Principal areas of examination: serology, microscopy, and toolmark / firearms. Responsible for the training and work of two other criminalists in the area of controlled substance analysis. Participated in the design of, and supervised the construction of the laboratory and subsequent major remodel. Designed and built or had built a number of items to enhance the laboratory. (MP-4 copy system stand, bullet recovery tank, bullet trap safety cabinet, gasses delivery manifold, etc.)

* 1971 to 1974 :

Criminalist 1

Eastern Washington State Crime Laboratory
Public Safety Building, Spokane, WA 99201
(509) 456-4144 *supervisor:* John Anderson

Criminalist primarily assigned to controlled substance analysis. I was the first working criminalist in Eastern Washington. In addition to drug examination, I provided crime scene assistance, biological specimen examination, and toolmark / firearm examination in what was otherwise a drug lab facility. I helped to develop the State Crime Laboratory system.

* 1969 to 1971 :

Museum Curator

Whitworth College, Spokane, WA
Biology Department *supervisor:* Roger Shoemaker

Specimen preparation, animal keeper, greenhouse keeper and property control for the Biology Department. I used numerous biological techniques in the specimen preparation for classroom and archival use in the departmental museum. I was research assistant in a taxonomic study of the arachnids from under the wing covers of dung beetles.

Personal :

Born - April 11, 1949 - Yakima, Washington. 6'0", 190 lbs., married 03/11/73, wife - Heather is a grade school teacher. Two adopted children; daughter - Lara (1980) and son - Reece (1981). Christian, member and elder - (Peaceful Valley Church) and Gideon (Pend Oreille Camp).
