



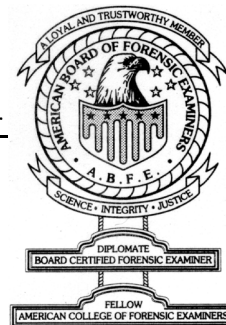
FIREARMS/SELF DEFENSE CONSULTANTS **WAYNE N. HILL SR.**

Fellow, Board Certified Forensic Examiner

P.O. Box 873 * 335-17th Ave.(UPS/FEDEX),East Moline, IL 61244

(309) 755-0551 * Fax # (309) 755-5770

Website * <http://www.derbytech.net/forensics>



RESUME/CURRICULUM VITAE

Website: <http://www.waynehillsr.com> e-mail: whill@revealed.net



MEMBER

International Academy of Forensic Examiners & Investigators

American Board of Forensic Examiners

American College of Forensic Examiners

American Society of Law Enforcement Trainers

Professional Criminologists Association of the Philippines

Vidocq Society

APPROVED INSTRUCTOR

Homicide Events Reconstruction Sciences

Crime Scene Reconstruction

Crime Scene Investigation

Crime Scene Photography

AUTHOR

Police Officer Survival & Weapons Use

Bullet Performance In Human Tissues-Volumes I & II

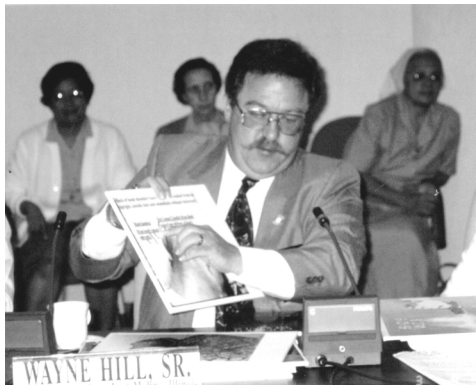
Homicide Events Reconstruction Guide

Homicide Events Reconstruction Sciences-(1st) & -2nd Edition

BOARD CERTIFIED FORENSIC EXAMINER

Homicide Events Reconstruction Sciences

HOMICIDE EVENTS RECONSTRUCTION-DEFINED: The forensic speciality of Homicide Events Reconstruction comes from the multi-disciplined scientific reconstruction of events, based upon the determination of the finite circumstance(s) possible which would have produced the individual items of evidence as they are observed in the overall evidentiary picture.



Forensic Scientist Wayne Hill Sr., shown here as he testifies before the Philippine Senate regarding Naval Officer's murder

Counsel and Court would be most familiar with this process from the determinations made by Medical Examiners and to some extent, Firearms Examiners, Crime Scene Reconstructionists though they don't utilize the Homicide Events Reconstruction title as their expertise identifier.

My reconstructions utilize the scientific disciplines of: Terminal Ballistics and Body Actions/Mobility (medical field); Forensic Ballistics-Wound Appearance-Soot & Stippling-Bullet Impact/Ricochet damage (medical and forensic firearms field); Fight or Flight Reflex psychophysiology (Psychological and physiological effects of lethal threat encounters-medical and this very finite area of psychology).

EDUCATIONAL BACKGROUND:

1980 North American School of Firearms, Scranton, PA.

Included gunsmithing, ballistics, instructing and business operations.

1976 Rock Valley College, Rockford, IL

Emergency Medical Technician (Ambulance)- Certification achieved in IL., Louisiana, and National Registry. *Specifics listed below.

1975 Rock Valley College, Rockford, IL

A.A.S. Degree-Major: Police Science.

Certificate of Competence w/Honors-Police Science

PROFESSIONAL MEMBERSHIPS:

American Board of Forensic Examiners (ABFE)

Member-(1994-1997)Executive Board of Scientific & Technical Advisors (ABFE)

Contributing Editor-The Forensic Examiner (ABFE publication)1994-1997

Check Mate Services, Inc.

*International Academy of Forensic Examiners & Investigators



FIREARMS/SELF DEFENSE CONSULTANTS

Continuation Page



*Co-Chairman of the Committee for Professional Standards
*Co-Chairman of the Advisory Board
*Editor-IAFEI Journal-Considered Findings & Opinions (2002 - present)
The Vidocq Society
Professional Criminologists Association of the Philippines (PCAP) (1997-1998)
American Society of Law Enforcement Trainers (ASLET)
Police Self-Defense Instructors-International (PSDI) (1988-1995)
Who's Who of Entrepreneurs (for 2000)
Empire's Who's Who of Executives & Professionals (2003)
Law Enforcement Alliance of America (LEAA)

FORENSIC EXPERT RECOGNITION:

American Board & College of Forensic Examiners:
Board Certified Forensic Examiner
Diplomate-American Board of Forensic Examiners
Fellow, American College of Forensic Examiners
Recipient American College of Forensic Examiners' Golden Eagle Award for Excellence. (1 of 3 recipients for 1995)

Massachusetts Department of Education

Approved as Private Occupational School Instructor in subjects of:
Homicide Events Reconstruction
Crime Scene Investigation
Crime Scene Photography

International Academy of Forensic Examiners & Investigators/ Checkmate Forensic Services, Inc.

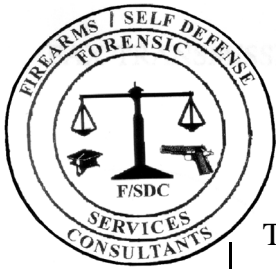
Level 1-Certification in Homicide Events Reconstruction
Distinguished Member for 1998 Certificate Awarded-1998
*Editor-IAFEI Journal-Considered Findings & Opinions (2002 - present)

3. Since accumulating the necessary areas of knowledge and experience and offering my expertise as a Forensic Expert/Consultant specializing in Homicide Events Reconstruction Affiant has been recognized and testified in the following State's Courts and International Governmental bodies:

DOMESTIC EXPERT TESTIMONY: Recognized by Court and/or *Expert Opinion testimony given as Homicide Events Reconstruction Expert- common title being Forensic Scientist.

1-Alaska 2-Arizona 3-Florida (X2) 4-Georgia 5-Hawaii(X3) 6-Illinois (X4)
7-Kentucky 8-Michigan 9-Minnesota 10-N. Carolina(X2) 11-Oklahoma
12-S. Carolina(X6) 13-Texas(X2)

INTERNATIONAL EXPERT TESTIMONY: Found Qualified and have given Expert



FIREARMS/SELF DEFENSE CONSULTANTS

Continuation Page



Testimony before: 1-Philippine Senate Committees (sitting jointly)
Committee on Justice & Human Rights
Committee on National Defense & Security

EXPERT TESTIMONY BY DEPOSITION

Arizona Florida (X4) Minnesota

EXPERT'S FORMAL REPORT SUBMITTED IN AFFIDAVIT FORMAT TO FEDERAL COURT:

Federal District Appellate Court-Charleston, SC area.
8th Circuit Court of Appeals-Minnesota

MAJOR PUBLICATIONS:

Feb '97-Revised/Expanded, HOMICIDE EVENTS RECONSTRUCTION-2ND EDITION- 624 page course text book with 411 illustrations and photo's (10 pages of full color photo illustrations) clarifying the text's multi-disciplined approach to the science of reconstructing the Events of a homicide or other violent encounter.

Sep '96-HOMICIDE EVENTS RECONSTRUCTION -586 page course text book with over 380 illustrations and photo's clarifying the text's multi-disciplined approach to the science of reconstructing the Events of a homicide or other violent encounter. *(Reviewer Dr. Joseph Lichtor, Orthopedic Surgeon, Consultant) "The author is very bright, has unusual knowledge + experience, + is obviously a real expert. He is a fine teacher, conveys information + then gives practical illustrations. Every aspect of his subject is fully covered, step by step in each chapter. I was also impressed by the section on medical terminology-very usable + practical. ..."*

April '89 issue-The Champion-"REBUTTING THE PRESUMPTION OF HOMICIDAL INTENT FROM EVIDENCE OF MULTIPLE BULLET WOUNDS."-Educational discussion of human psycho/physiology as it relates to lethal confrontations with discussion of appropriate questions for M.E.'s and other expert's to show this relationship.

1989 Annual-Guns & Weapons for Law Enforcement-"THE REAL GLAZER SAFETY SLUG TEST-REPORT FROM THE MORGUE"-In depth study and report.

SPECIALIZED TRAINING:

MAJOR SEX CRIME INVESTIGATION (involving homicide.) Seminar-1973 Investigation of sex crimes which culminate in a homicide, including Auto-erotic deaths; Homosexual confrontation and mutilations; Homicidal child sexual abuse; Hetero & Homosexual Rape and Deaths by Sexual Misadventure (death during willing participation in Sadomasochistic sexual practices). Included reconstructing positions and actions based upon evidence found, studied and recovered from the scene/bodies, including wounds, bruises, marks, bloodstains, bodily fluids stains/deposits, ligatures & restraints and other devices, etc. Instructed by the Chicago, IL Police Homicide Division Officers at Rock Valley College.



FIREARMS/SELF DEFENSE CONSULTANTS

Continuation Page



***EMERGENCY MEDICAL TECHNICIAN (AMBULANCE)**

Rock Valley College-1976 Achieved Certified Status in ILL- Cert. #13625, Louisiana-Cert. #070933, National Registry-Cert. #70933. Course content included human physiology, anatomy and function as well as the effects of various forms of trauma, toxicology and disease; such as blunt trauma, cutting injuries, gun shots wounds, impalements, amputations and fractures. Techniques taught included the observation of the environment where injury occurred, in conjunction with the inflicted injuries and correlations made to determine potential severity of injury and/or determination of potentially "hidden" injuries. Course content also included practical application exercises as well as a pass/fail practical application final exam.

RITUALISTIC CRIME 1989(Satanist/Cult/Paganist-including human sacrifice/cannibalism) Ideologies, symbolisms, practices of Satanic, Cult and Paganistic worshipers; including recruitment, systematic physical/sexual abuse and mental degradation of children, unrecorded births to provide human sacrifices, cannibalistic sacrificial practices as well as the seasonal significances, enforcement of "code of silence".

Blackhawk College, Law Enforcement training Center, East Moline, IL

CRIMINAL INVESTIGATION-Rock Valley College-1973

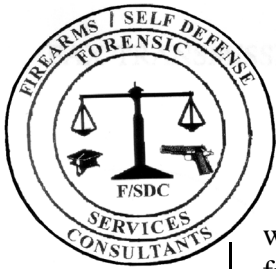
Course taught crime scene investigation, including the recognition of potential crime scene dimensions, recognizing evidence and items/circumstances of potential evidentiary value and how to properly protect, record, collect and preserve these items. The methods of production and significance of various blood, firearms, toolmark, ligature and other types of evidence was taught and used in the practical application final exam.

POLICE CRIME SCENE PHOTOGRAPHY-Blackhawk College, Law Enf. Trng Cntr-1989

Course content included characteristics and qualities of the various films available, proper use of these films, camera controls and operations. Course also included recognizing evidence such as various blood spatter and and bleeding patterns, wounds and marks on victim/suspect and the environment (such as windows, doors, furniture, etc.) and then searching for the tools, objects and/or weapons which could have create the observed wounds/marks shape and then properly photography recording all these items of evidence. Course final exam consisted of practical application photography of overall crime scene, discovered evidence, low light and stop action photography, as well as, nighttime outdoor crime scene and surveillance photography.

TRAFFIC CRASH INVESTIGATION WORKSHOP-Police Trng. Inst.-Univ. of

IL. -1977 While this course taught the techniques of reconstructing vehicle crashes, it contained techniques which are relevant to and applicable in the reconstruction of homicides. These areas are: the observation and study of individual and overall damages of each vehicle and/or object with subsequent correlation and matching of damages/evidence to determine each point of the usual multiple individual impacts involved in a vehicle crash; the observation and study of human occupant produced damage/evidence (such as blood spatter/bleeding patterns, skin and tissues deposited within and around the vehicle and hair and fiber embedded within broken glass and the vehicle/environs) to determine occupant(s) actions such as striking



FIREARMS/SELF DEFENSE CONSULTANTS

Continuation Page



windshield, impalement or impact with projecting vehicle interior parts, partial or full ejection from vehicle and whether vehicle subsequently passed over or landed on top of occupant.

Police Training Institute, University of IL.-Hosted by Rock Falls, IL. P.D.

GUN PRO(FESSIONAL) COURSE (Distance Training)-North American School of Firearms-1980

Course included: firearms design(s) and function, repair, rebuilding, customization and manufacture of various firearms; Bullet concepts, designs, manufacturing, uses and ballistic performance; Cartridge concept/designs and manufacturing; Propellant powders components, performance, uses and production; Complete firearm cartridge design, production, testing and manufacture. Techniques for determining ballistic flight performance of various rounds.

HAND TO HAND, EDGED WEAPONS & COMBAT FIGHTING-U.S Marine Corps.-1969/70-As part of the Viet Nam era training, Marines were taught hand to hand and lethal unarmed combat as well as effective offensive uses of edged weapons (knives, etc.) and defensive tactics for edged weapons. Effective and lethal bludgeoning techniques with rifles and other improvised bludgeoning weapons were taught, as well as the use of ligatures and garroting techniques. Firearms functions and use, fields of fire and firearm maintainance were also taught. Weapons instructed in/used: M-1911A1 .45 ACP pistol, M-14 *selective fire rifle (*full automatic fire capable), M-16 *selective fire rifle, 12 GA. shotgun, M-70 grenade launcher, .50 caliber machinegun-Helicopter door mounted.

1995-ANNUAL NATIONAL ACADEMY-the AMERICAN COLLEGE of FORENSIC EXAMINERS***(I was also a Staff Instructor on Homicide Events Reconstruction)***
Attendees included Medical Examiners, M.D.'s, Psychologists, Police Investigators, etc..

1994-ANNUAL NATIONAL ACADEMY-the AMERICAN BOARD of FORENSIC EXAMINERS***(I was also a Staff Instructor on Homicide Investigation)***
Attendees included Police, Engineers, Medical Examiners, M.D.'s, Behavioral Profilers.

1994-ANNUAL NATIONAL ACADEMY COURSES:

- FBI's Behavioral Profiling vs The Psychological Autopsy-Bruce Danto M.D.
- Quality Control in the Investigative Process-Ira Rimson
- Light Energy for Law Enforcement-Robert W. Baker
- Crime Scene Investigation (& The JFK Assassination)-Vincent Scalice
- Forensic Hypnosis-Ron Rice
- The British Forensic Examiner-Maureen Ward Gandy
- Behavioral Profiling-Ron Rice
- Borderline Personality Disorder-Renate Griffiths

VARIOUS LAW ENFORCEMENT TRAINING COURSES: Various other law enforcement training courses have contained sections which again dealt with Chemical Test Reagents use, functions and reactive qualities; blood spatters/stains; wounds and gunshot produced evidence; human reflexes and reactions, etc.

Mandatory Firearms Training-ILL State Police Dist 16-11/27/76



FIREARMS/SELF DEFENSE CONSULTANTS

Continuation Page



Basic Law Enforcement Course-Police Training Inst./Univ. of IL-08/26/77
Narcotics Enforcement-Police Training Inst./Univ. of IL-12/02/77
Breath-Alcohol Testing(Breathalyzer/Intoxilyzer)-P.T.I./Univ. of IL-06/18/82
Field Sobriety Testing-Quad-Cities Law Enf. Training Cntr-05/21/85
Patrol Survival Tactics-Quad-Cities Law Enf. Training Cntr-11/09/89

1990 ANNUAL-POLICE SELF-DEFENSE INSTRUCTORS INTERNATNL SEMINAR

*Police Defensive Tactics Instructor Training-Fort Lauderdale, FL-10/28/90
Japanese Control Tactics-10/26 & 28/90 Chemical Agents for Police-10/28/90
Flex-Baton Certification course-10/27/90 Instinctive Defensive Tactics-10/27/90
*Certificate bears dates of issue rather than dates of training (88Hr total)

CALIBRE PRESS'-STREET SURVIVAL '92-TACTICAL EDGE SEMINAR-09/23 & 09/24/92

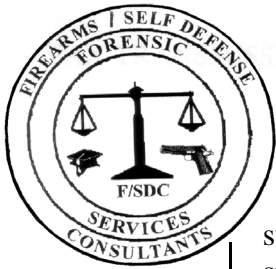
CALIBRE PRESS'-STREET SURVIVAL '92-THE WIN SEMINAR-09/25/92

SUMMARY OF QUALIFYING SPECIAL EXPERIENCE

EVIDENCE RECOGNITION, COLLECTION & CORRELATION: Initially as a police officer I performed crime scene investigations which entailed applying both my college and police training in the scene investigation, evaluation and evidence recognition, preservation and retrieval. This specifically included observing and recognizing damage and/or modifications to the victim, scene and environment. I observed injuries to victims and assessed potential methods and instruments of infliction, as well as preliminary determinations of severity of injury (to ascertain level of Emergency Medical assistance to summon) and the potential for "dying declarations". Initially, I primarily utilized my prior Marine Corps training in aiding military combat type wounds and traumas, while later I utilized my EMT(A) and all other medically oriented training I'd received. During this time I personally observed blood stains patterns being created by the injured persons, the nature and severity of bleeding from various types of wounds and tracked blood trails to find victims and/or suspects.

FIREARMS/MEDICAL EXPERIENCE:

During my time in the U. S. Marine Corps and since, I have had extensive experience with firearms including revolvers, pistols, machinepistols, rifles, shotguns, sub-machineguns, and (.50 caliber) Helicopter machineguns. Subsequent to my completing a training program in gunsmithing, ammunition manufacturing and ballistics I obtained my Federal Firearm gunsmith's (dealer) license and Ammunition Manufacturer's license. I have been a licensed and performing gunsmith since 1979 and upgraded my license to a firearms manufacturer status in 1992, producing a high capacity, custom featured .45 ACP Pistol. However, I turned in my initial Ammunition Manufacturer's license after two years and ceased (small scale custom) commercial ammunition manufacturing, feeling the federal tax(es) paperwork burden was more than operation was worth. I did, however continue to research and experiment with different load types and loadings. Eventually I graduated to obtaining autopsies from shootings with various bullet types and clinically studying the actual injuries and their effects in real life



FIREARMS/SELF DEFENSE CONSULTANTS

Continuation Page



subjects. I published two studies and two texts based upon these findings and my studies of my student police officers who have themselves been through shootings, some of whom have themselves been wounded.

MEDICAL EXPERIENCE: For almost two years I took a break from law enforcement and took the Department of Transportation approved Emergency Medical Technician Ambulance training. During this period I worked as an ambulance driver, EMT-A attendant and Field Training Officer. As such my duties were: determining nature and extent of injuries and/or illness, degree of life threatening potential, where appropriate, performing triage, the determination of the victims potential for survival and assigning the priority for their transport. Further, part of my formal training was period of supervised practical application, spread between the three major hospital Emergency Rooms within the Rockford, IL (Pop. approx. 250,000) area. During this practical application and also during my actual field duty I was able to observe major surgeries, including an emergency abdominal Aortic artery replacement. I was also shown/taught basic X-ray studies interpretation by the E.R. radiologists. I was called upon several times to assist Emergency Room personnel during periods of "overflowing" patients. I assisted physicians in the setting of fractured bones, closely monitored the vital signs of a pregnant mother and her fetus, who were injured in a two car headon collision, which injured 9 people, as I recall. Finally, I was the primary EMS officer at several multi-agency response, victim extrication cases, with final responsibility for decisions regarding victim care, calling in of additional assistance, what extrication equipment/techniques would be used and whether to summon Trauma Doctors from the hospital to the actual scene in extended period extrication situations.

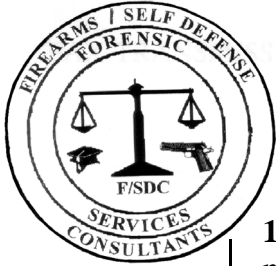
From this training and experience I gained my expertise in the review of autopsies, as well as radiographic materials (X-Rays, Cat-Scans, Etc.) and communicating with relevant medical personnel regarding their findings, as well as understanding the significance of the injuries.

Since 1988 I have exchanged research findings and been conferred with by Medical Examiners and Doctors regarding some particular bullets expected performance or terminal appearance for identification of brand/type. Further, I have published numerous articles on terminal ballistics and have consulted with and shared research results with forensic ballisticians.

PROFESSIONAL EXPERIENCE:

14 years as a law enforcement officer in positions ranging from dispatcher thru Chief of Police in a small community. During this time the extensive opportunities for specialized training were taken. Please see detailed listing of training for specifics.

Duties included the investigation/evaluation and reconstruction of incident/crime scene events from the evaluations of victim/witness/suspect statements, crime scene observations and evidence. These crime scenes did include vehicle crashes (both unintentional and maliciously intended crashes, as well as hit and run vehicle identifications), burglary scenes, battery and aggravated battery scenes. Duties also included testifying in both IL State and Federal Courts as a law enforcement officer witness.



FIREARMS/SELF DEFENSE CONSULTANTS

Continuation Page



1979 to PRESENT: 24 Years owning/operating my own Federally/State licensed gunsmith/manufacturer and instructor business. Part-time from 1979 to 1988, when I commenced full time operations.

During this time period I have inspected, repaired and customized various makes of firearms as well as manufacturing my own line of 1911A1 style, high capacity .45 automatics. Numerous times I have diagnosed/repared and/or reassembled a "basket case" firearm that other dealers had given up on. Further, from 1979 to approximately 1982 I manufactured custom ammunition. I continue to manufacture for my own use/experimentation, though I ceased commercial manufacturing in approximately 1982. (*Refer to the TEACHING EXPERIENCE section for that area of my operation.)

TEACHING EXPERIENCE:

Nov 2002-Washington DC Public Defender's Office CLE Seminar, (poc Attorney Michael Ryan)

Instructed section on physical evidence and it's value to determining what actually happened. Included demonstrative photo's, videos of bleeding, blood spatter patterns, shooting speed capabilities and injuries resulting to shooter from high powered shotguns sawed off to miniscule dimensions.

Oct. 1998-CHANGING PICTURE OF HABEAS CORPUS, Third Annual National Habeas Corpus Seminar. -Sponsored by the Habeas Assistance & Training Council, the Federal Defender Training Group, and The Administrative Office of the United States Courts.

Instructed section on how the physical actions of violent confrontation create evidence and this evidence allows reconstruction of those creating actions.

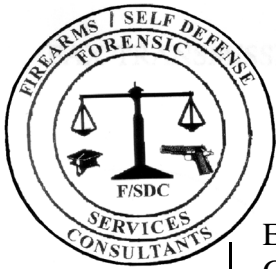
Feb. 1996-LIFE AND DEATH IN THE 1990'S-South Carolina Assoc. of Criminal Defense Lawyers. Instructed section on how the physical actions of violent confrontation create evidence and this evidence allows reconstruction of those creating actions.

Sept. 1996-FORENSIC SCIENCE AND HOMICIDE INVESTIGATIONS SEMINAR-the OHIO ASSOCIATION OF CRIMINAL DEFENSE LAWYERS. Instructed section on physical actions of violent confrontation create evidence and this evidence allows reconstruction of those creating actions.

Dec. 1996-DEATH PENALTY SEMINAR-Georgia Indigent Defense Council. Instructed section on how the physical actions of violent confrontation create evidence and this evidence allows reconstruction of those creating actions.

1995-ANNUAL NATIONAL ACADEMY-the AMERICAN COLLEGE of FORENSIC EXAMINERS***August, 1995-Staff Instructor-instructed section on Homicide Events Reconstruction***Attendees included Medical Examiners, M.D.'s, Psychologists, Police Investigators, etc..

1994-ANNUAL NATIONAL ACADEMY-the AMERICAN BOARD of FORENSIC



FIREARMS/SELF DEFENSE CONSULTANTS

Continuation Page



EXAMINERS*** August, 1994-Staff Instructor-instructed section on "Homicide Investigation Geared Toward Forensic Reconstruction."***Attendees included Police, Engineers, Medical Examiners, M.D.'s, Behavioral Profilers.

1991-T.A.C.D.L.. YEAR END SEMINAR-(Tennessee Association of Criminal Defense Lawyers): Instructed one hour segment on Homicide Scene Reconstruction. "Attorneys' comments about Mr. Hill's presentation were very favorable, and I think our organization, the Tennessee Association of Criminal Defense Lawyers---(Conference sponsor)...--benefitted greatly from his expertise and program."

Taught Emergency Medical Technician techniques to subordinates at Rock Valley Ambulance service, Rockford, IL from October 1974 to August 1975, as the assigned Field Training Officer for the Boone County, IL branch.

*I have trained many inexperienced persons in the safe handling and usage of firearms, both for target and self defense use.

As an Iowa Department of Public Safety approved Firearms Safety Course (required training for issuance of a Professional Concealed Weapons Permit) instructor from 1990-1998 and an IL Police Training Board approved instructor I have taught hundreds of police and security officers in the areas of Use of Force Continuum (ranging from psychological dissuasion to empty handed and armed lethal force techniques), edged weapons/firearms capabilities as well as specialty shooting techniques and Homicide Events Reconstruction which includes instruction in forensic evidence recognition, collection/preservation and interpretation, human anatomy and physiology and their relationship to a violent encounter's evidence production.

I have trained officers from the U.S. and Canada (primarily Toronto region) in the Use of Force (Lethal and Non-lethal)

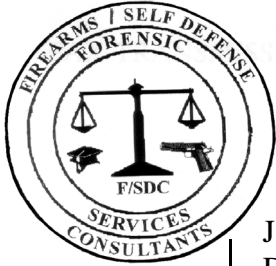
I have been consulted by former students (investigators), Prosecutor and Defense Attorneys to review evidence for ongoing Homicide investigation cases to assist in reconstructing the homicides events.

PUBLICATIONS/PRODUCTIONS:

1987-Instr. Video-"IN THE HOME w/FAMILY & SAFETY"-Instructional video tape teaching firearms safety and simple self-defense in the home with special section for child safety.

1987-Instr. Video-"SURVIVE CRIMINAL ATTACK (legally & Physically)"-Instructional video tape with emphasis on proper defensive tactics when faced with home invasion & other confrontational attacks in the home, ways to avoid confrontations if possible, proper and legitimate uses of firearms during such confrontations.

1988-Forensic Study-BULLET PERFORMANCE IN HUMAN TISSUE-VOL. I-A comparative study of the performance of various styles of ammunition in real life shootings, with emphasis being on Glazer Safety Slugs.



FIREARMS/SELF DEFENSE CONSULTANTS

Continuation Page



Jan/Feb '89 issue-The Gun Owner's Magazine-"THE REAL ONE SHOT MAN STOPPER"-Discussion of the real life qualities of Glazer Safety Slugs and their performance.

1988-Forensic Study-"BULLET PERFORMANCE IN HUMAN TISSUE-VOL. II"- A further study of bullet performances from real life shootouts. Emphasis is again placed on Glazer Safety Slugs with overall and individual comparisons between each bullet's type design.

April '89 issue-The Champion-"REBUTTING THE PRESUMPTION OF HOMICIDAL INTENT FROM EVIDENCE OF MULTIPLE BULLET WOUNDS."-Educational discussion of human psycho/physiology as it relates to lethal confrontations with discussion of appropriate questions for M.E.'s and other expert's to show this relationship.

1989-Training text-"POLICE OFFICER SURVIVAL & WEAPONS USE"-A Police training text with illustrations of bullet styles and their predictable performance, comparative study of bullet travel and wound effects in human tissue (based upon autopsies of actual shooting victims). Discussion/illustration of the Mammalian Fight or Flight Reflex and it's psycho/physiological effects upon the human mind & body. Discussion of Officer Safety/Survival tactics for patrol use and the preparations needed to minimize or alleviate the usual Post Traumatic Stress effects. Partially reprinted by the National Association of Treasury Agents in their June '89 issue of The Agent magazine.

**1989-Combat Handguns Mag., Harris Publications -"COMBAT AMMO-WHAT WORKS/WHAT DOESN'T"-Solicited by Editor to write feature column on effectiveness of various bullets in real life shootout cases. Premier column published in the Nov/Dec '89 issue.

**Nov/Dec '89 issue-"COMBAT AMMO COLUMN"-Review of results of robbery shootout w/9mm against .38 Special and .380 ACP, resulting in six wounds to two subjects. 5 non-fatal and one fatal wound reviewed.

1990-Instr. Audio Tape-"POLICE GUNFIGHT SURVIVORS-THEIR ADVICE"-Interviews of 4 survivors of lethal threat encounters and wounds, w/discussions of the needed mindset and training necessary for preparedness and survival. Other police survival trainers have incorporated this tape into their courses.

1990-Training Text-"HOMICIDE EVENTS RECONSTRUCTION GUIDE"-A guide to the value and proper use of the forensic resources available for homicide investigations. Instructs in Blood evidence, firearms and wounds, also human anatomy, physiology and various wound's and marks interpretation; as well as evidence recognition, collection and documentation.

Sept. '90 issue-The Agent-"SURVIVAL REQUIRES ACCURACY, AND BIGGER BULLETS HELP"-National Assoc. of Treasury Agents requested article on realities of gunfight survival, discussing Terminal Ballistics in relation to human physiology.

Sept. '90 issue-Alpac Journal-"IN THE BEGINNING"-Editorial discussion regarding the body



FIREARMS/SELF DEFENSE CONSULTANTS

Continuation Page



armor testing standards controversy. (Assoc. of Law Enforcement Purchasing Agents Cooperative-I was appointed Officer Survival Editor for the journal.)

**Jan/Feb '90 issue-COMBAT AMMO COLUMN-Review of effectiveness of five shots from .38 Special +P fired from a S&W Chief Special Airweight striking knife wielding drunken assailant in his arm and torso.

**May/Jun '90 issue-COMBAT AMMO COLUMN"-Review of 35 round gun battle between a police officer and suicidal drunken driver with explanation of why assailant withstood 12 rounds which inflicted 24 wounds, before the final two rounds stopped him. Subject received total of 16 rounds which created 27 entry/exit wounds, w/Officer being struck by 4 rounds.

**Jan/Feb '91 issue-"COMBAT AMMO COLUMN"-Review results of police/assailant shootout at contact range with Federal .357 Magnum Hollowpoint ammunition.

**May/Jun '91 issue-"COMBAT AMMO COLUMN"-Reviewing general overall performance of all brands of 158 grain, round nosed lead and military ball, .38 Special. (Which is notorious for over-penetration and ricocheting.)

**Jul/Aug '91 issue-"COMBAT AMMO COLUMN"-Review of injuries inflicted with and the deterioration of expected performance from overloading reloaded .44 Magnums.

**Jan/Feb '92 issue-"COMBAT AMMO COLUMN"-Review of one shot stop (heart wound) of assailant with assailant's own .32 ACP Derringer during struggle.

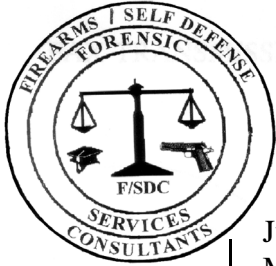
**Mar/Apr '92 issue-"COMBAT AMMO COLUMN"-Review of injuries inflicted with .38 Spl. Super Vel ammo, with explanation and drawing depiction of bullets tumbling deflection from impact with rib, plus the results of assailant's own machine pistol burst of fire.

**May/Jun'92 issue-"COMBAT AMMO COLUMN"-Review of reconstruction of confrontation involving a .380 automatic against edged weapon, resulting in two fatal wounds.

**Jan/Feb '93 issue-COMBAT AMMO COLUMN"-Review and reconstruction of shootout by multiple assailants against one victim, involving .45 ACP, 9mm, .357 Magnum and small caliber ammo and weapons, resulting in victim seriously wounded and ringleader dead from wound inflicted by a bullet ricocheting off a car roof.

April 1994 issue-The American Boards' FORENSIC EXAMINER-discussion regarding practice of microscopically examining recovered bullets for tissue remnants which can be DNA tested for matching to wounded suspects, as well as the type body tissues expected to be found.

May/June '94 issue-THE BEAT-"Blowing the Whistle Can Mean Career Suicide"-discusses the real life consequences and reprisal tactics used against police officers who "blow the whistle" on superior's improprieties and illegal conduct.



FIREARMS/SELF DEFENSE CONSULTANTS

Continuation Page



June 1994 issue-The American Boards' FORENSIC EXAMINER-product review-of Polaroid's MicroCam SLR camera discussing it's ease of operation and value as a tool for documenting trace evidence during microscopic examinations.

June 1994 issue-The American Board's FORENSIC EXAMINER-Tachypsychia-discussion of the results of the effects on perceptions of the mammalian body alarm reaction, know as the Fight or Flight reflex, which induces, Tachypsychia and Tunnel Vision/Hearing/Touch and how this precludes the subject from ever accurately describing the event's times, distances, etc.

July/August '94 issue-THE BEAT-"Forensic Science and the Street Cop"-article on forensic value of microscopically examining bullets for trace tissues/fibers/materials and correlating the materials to other visible areas of similiar type evidence located at the scene to reconstruct the events. Included three photomicrographs of bullets with traces of tissues, wood, fibers and cuts from broken bone edges in the deformed lead nose.

August/Sept '94 issue-THE BEAT-"Killed by Kindness-In Memoriam" A discussion of approach errors made by SC State Trooper allowing an 18 yr old traffic stop suspect to surprize and seriously wound him and ultimately fatally shoot Trooper with his own .357 Magnum.

October '94 issue-THE FORENSIC EXAMINER-"Wound Characteristics-.38 Special Thunderzap." Report of the effects in tissues of this particular handgun cartridge/bullet. Detailed wound diameter (single & multiple impacts), depth, tissue damage type as well as level of tissue blowback. Cartridge's characteristics. Video of tests for by ABFE Resource Library.

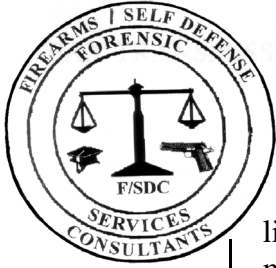
Jan/Feb '95 issue-The FORENSIC EXAMINER-"Considerations Regarding Tachypsychia on Penalty-Sentencing." Discussion of the relevance of the Tachypsychia effect on penalty phase expert testimony.

Jan/Feb '95 issue-The FORENSIC EXAMINER-"Safe Live Fire Examination of Soot Deposition/Tissue Damage to Hand From Muzzle and Cylinder Gap Gases-.44 Magnum Class." Instructional article regarding proper simulated hand construction to conduct safe soot deposition testing and inherent hazards of such testing, making simulated hand necessary.

March '95 issue-AMERICAN POLICE BEAT-" Need Help On A Tough Case" Expert Are Ready Top Assist."- Article discussing requirements for membership, ethics and ideology of the American Board of Forensic Examiners (ABFE), as well as assistance available to agencies.

Sep/Oct '95 issue-The FORENSIC EXAMINER-"Determining Body Extremity Position From Length of Oblong Entry/Exit Wounds." Instructional article regarding correlating length of oblong entry/exit wounds with other bullet trajectory and wound path data to determine the relative position of the wounded arm or leg at the instant of wounding.

Jan/Feb '96 issue-AMERICAN POLICE BEAT-"FANTASY KNIVES the movie props in real



FIREARMS/SELF DEFENSE CONSULTANTS

Continuation Page



life"- Instructional article showing and discussing the multi-bladed knives currently on the market as well as the appearance and characteristics of these knives' wounds.

May '96 issue-AMERICAN POLICE BEAT-Forensic Update "FELT TIPS CAN BAG YOUR BAD GUY"-Instructional article showing and discussing firearms Discharge Flares, their significance and interpretation and how to use a felt tip marker to identify the chamber which was under the hammer when recovered.

Mar/Apr '97-American Police Beat-"A forensic report, A SHOT IN THE BACK"-discussion of the physical dynamics involved in a multiple officer/multiple shot shoot out that can result in the suspect being shot in the back, without any intent to so.

May '97-American Police Beat-"Body Armored, Full-Auto Bad Guys-Alternative tactics and target points on the body of the "armored" Bad Guys for L.A. "Heat"-style shootouts."



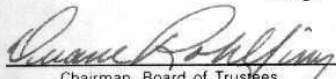
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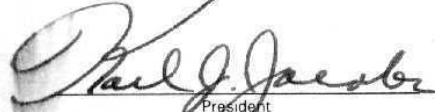
Certificate of Competence

Rock Valley College

This certifies that *Wayne N. Hill Sr.* has successfully completed the *Police Science* curriculum at Rock Valley College, Rockford, Illinois, and is hereby awarded this Certificate of Competence by the faculty and Board of Trustees this *twenty-first* day of *May*, 19 *75*


Chairman, Board of Trustees




President

Rock Valley College




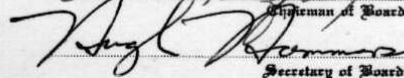
*Upon the recommendation of the faculty
has conferred upon*

Wayne N. Hill, Sr.

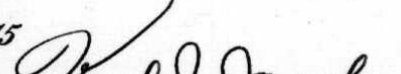
the degree of

**Associate in Applied Science
in Police Science**

*with all the Rights, Honors and Privileges pertaining thereto
In Witness Whereof, we hereunto affix the signatures of the
authorized officers at Rockford, Illinois,*


Chairman of Board

Secretary of Board

May 21, 1975


President of the College