

5/11/92

Rick A. Swope

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CURRICULUM VITAE

PROFESSIONAL EXPERIENCE:

Professional Traffic Accident Reconstructionist

Serving the law profession in civil and criminal proceedings since 1986.

Consultant to Municipalities

Investigating criminal collisions of a complex nature.

Consultant to Broward State Attorney's Office

Accident reconstruction.

Consultant to Insurance Companies

Reference opinions of a technical nature.

Consultant to Prosecution and Defense Attorney's

Criminal cases and Civil proceedings for plaintiffs and defendants.

Consultant to Training and Design Companies

Offering technical input in training programs developed for law enforcement officers.

Expert in Accident Investigation and Reconstruction

Recognized in both civil and criminal courts of law.

Expert in Drunk Driving cases

Involving standardized field sobriety tests and Intoxilyzer 5000 and 5000R.

PRACTICAL EXPERIENCE:

Deputy Sheriff – Broward Sheriff's Office

August 27, 1984 to July 27, 1990

Assigned to the Traffic Homicide and DUI Unit.

- Accident Reconstruction Specialist, investigating, reviewing, and reconstructing numerous collisions of all types.
- Additional assignments included working part-time with the Sheriff's Office Training Division, with over 1,000 employees attending Defensive Driving instruction yearly.

Police Officer – City of Monroe Police Department

January 2, 1979 to August 24, 1984.

Assigned to the Road Patrol Division

- Handled and investigated traffic accidents and traffic fatalities.

TEACHING EXPERIENCE:

Instructor – Criminal Justice Institute of Broward County.

Accident investigation; DUI field sobriety testing; Defensive Driving – motor vehicle dynamics of skidding vehicles; First-Responder and CPR; traffic direction and control, report writing.

Instructor – Palm Beach Criminal Justice Institute.

Defensive driving.

Substitute Teacher – Broward County School Board.

Faculty Member/Instructor – Davis Training and Development.

On-scene Accident Investigation; Traffic Homicide Investigation; Advanced Accident Investigation; Selective Traffic Enforcement; Vehicle Testing Procedures; Inspection of Motor Vehicles; Traffic Homicide Reporting; Accident Photography; Measuring and Diagraming; Hit and Run Investigation Procedures; Bulb Examinations; Advanced Formulas; and Accident Reconstruction.

Adjunct Faculty Member – Southern Police Institute, Louisville, Kentucky.

Adjunct Faculty Member – Institute of Police Technology & Management, Jacksonville, Florida

EDUCATIONAL BACKGROUND:

ST. THOMAS UNIVERSITY – Miami, Florida

Bachelor of Arts degree in Criminal Justice.

NORTHWESTERN TRAFFIC INSTITUTE – Macomb County Community College,

Macomb, Michigan

Basic Accident Investigation

Techniques, Preparing, and Basic formulas of Accident Investigations.

INSTITUTE of POLICE TECHNOLOGY and MANAGEMENT, University of North Florida

Jacksonville, Florida

Basic Accident Investigation

On-scene Accident Investigation; Traffic Homicide Investigation; Basic Physics and Formulas in Accident Investigation; Interpretation of Roadway and Vehicle Physical Evidence; Measurements, Diagraming, and Field Sketches of the Accident Scene; Accident Investigator Techniques; Accident Photography.

Technical Accident Investigation

Advanced Traffic Homicide Investigation; Advanced Formulas and Physical Evidence Interpretation; Bulb Examination; Scale Diagraming; Tire Forensics; Time-distance Equations; Photogrammetry in using Perspective Graphics; Statement Taking; Diagraming of crush information.

EDUCATIONAL BACKGROUND Continued

Accident Reconstruction Specialist

Derivations of Speed Equations; Motorcycle Speed Estimates; Tire Forensics; Conservation of Linear Momentum Speed Estimates; Weight Shift Principles and Problems; Newton's Laws pertaining to collisions; Scale Drawings; Accident Photography; Seat Belts; Occupant Kinematics; Time-distance Equations; Physical Evidence Evaluation and Interpretation.

Investigation of Pedestrian Accidents and Human Factors

Car vs. Pedestrian Accidents; Throw Distance Formulas; Inspection of Vehicle; Path and Travel of Pedestrian; Photographing/Reconstruction of Scene.

Radar Instructor

Use and Operation of Radar; Radar in Court and Case Law; Speed Estimates.

UNIVERSITY of NORTH FLORIDA – Jacksonville, Florida

Traffic Accident Photography

Camera and Video Use; Collision Scene Photography; Flash and Lighting Conditions; Court Admissibility of Photographs.

Advanced Accident Reconstruction with Microcomputers

Computer Use in Accident Reconstruction Analysis; SLAM, CARS, CRASH Programs; Conservation of Linear Momentum; Scale Diagramming.

Commercial Vehicle Accident Investigation

Weight Shift Problems and Principles; Commercial Vehicle Inspection; Conservation of Linear Momentum; Trucking Laws and Requirements.

CRIMINAL JUSTICE INSTITUTE, Broward County Community College – Davie, Florida

Driving Instructor

Vehicle Dynamics; Skid Control and Handling; Pursuit Driving; Backing Drills; Mechanics of Vehicle Inspections; Vehicle Use.

First Responder, CPR Instructor

Requirements of CPR by American Heart Institute; First on Scene Treatment; Practical Experience.

SAE CONFERENCE – Detroit, Michigan

February 25-28, 1991

Braking & Anti-Lock Braking - Computer Reconstruction & Simulation

ENGINEERING DYNAMICS – Miami, Florida

EDC Simulations

November 1991

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SEMINARS/WORKSHOPS

BROWARD CRIMINAL JUSTICE INSTITUTE – Davie, Florida

Presented by Broward Sheriff's Office

Standardized Field Sobriety Testing

National Highway Traffic Safety

Standardized Testing – 21 hour course

BROWARD CRIMINAL JUSTICE INSTITUTE – Davie, Florida

Presented by Institute of Police Technology and Management, Jacksonville, Florida

Bicycle Law Enforcement Seminar

Bicycles in Accident; the Bicycle Rider; Reconstructing the Bicycle Accident.

Presented by Criminal Justice Institute – Davie, Florida

Breathalyzer/Intoxilyzer Course

Operation of the Breathalyzer; Intoxilyzer 5000; Extrapolation.

INSTITUTE of POLICE TECHNOLOGY and MANAGEMENT, Jacksonville, Florida

Symposium on Alcohol and Drug Enforcement

Effects of Alcohol; Horizontal Gaze Nystagmus; Extrapolation; the Drunken Driver; Accident Reconstruction Principles involving Intoxicated Drivers.

Presented at Palm Beach County

Investigation of Seat Belts and Child Restraint Systems

Operations of Seat Belts; the Child Restraint System(s); Reconstructing the Seat Belt Accident.

Presented at Cape Kennedy, Florida

Retraining Seminar for Traffic Accident Investigator

Conservation of Linear Momentum; Vectoring; Scale Diagraming; Advanced Formulas; Weight Shift.

PEOPLES GAS SYSTEMS – Dade County, Florida

Gas and Fire Emergency Training

Hazards of Chemical Accidents; Symbols on Vehicles.

VEHICLE CRASH TESTING - Broward County, Florida

Vehicle Crash Analysis & Interpretation

MEMBERSHIPS/ASSOCIATIONS:

Member of Florida High School Activities Association

Umpire – Baseball; Referee – Football

Certified PADI – Open Water Diver

Member of Maryland Association of Traffic Accident Investigators, Inc.

National Association of Traffic Accident Reconstructionists

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MEMBERSHIPS/ASSOCIATIONS Continued:

Society of Automotive Engineers

South Florida Investigators Association

National Association of Sports Officials

Member TIGHAR

Amateur Softball Association

Broward PBA