

ASCLD/LAB-International

STATEMENT OF QUALIFICATIONS

Name	Lawrence Turner Pippin	Date	January 2011
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Laboratory	State of Alaska Scientific Crime Detection Laboratory
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Job Title	Forensic Scientist III - Physical
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Indicate all disciplines in which you do casework:

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| <input type="checkbox"/> Controlled Substances | <input type="checkbox"/> Toxicology |
| <input type="checkbox"/> Firearms/Toolmarks | <input type="checkbox"/> Biology |
| <input type="checkbox"/> Trace Evidence | <input type="checkbox"/> Questioned Documents |
| <input checked="" type="checkbox"/> Latent Prints | <input checked="" type="checkbox"/> Crime Scene |
| <input type="checkbox"/> Digital Evidence | |

List all sub-disciplines in which you do casework:

Fingerprints
 Crime Scene Diagramming
 Photography
 Snow and Dirt Casting
 Electrical Analysis and Schematic Preparation of Explosive Devices
 Blood and Trace Collection
 General Crime Scene Investigations

Education: List all higher academic institutions attended (list high school only if no college degree has been attained)

Institution	Dates Attended	Major	Degree Completed
Finley Engineering College.	1961-1964	Electrical Engineering	BSEE

Other Training: List continuing education, workshops, in-service and other formal training received.

10-02/03/09 - SCAFO - 16 hour seminar - Including 3 hours of fingerprint development using high voltage electricity - By Dr. John W. Bond - Univ. of Leicester, Northamptonshire Police Department
 11-14-08 – Business Grammar & Proofreading – 1 day
 07-29/30-08 – Expert Witness Testimony Techniques – by Ron Smith
 01-18-08 – Advanced Blood Spatter – 1 week – by Tom Bevel
 04-19-07 – Death Investigation – 8 hours
 08-04-06 – Crime Scene Photography – 8 hours
 04/12/06 – Laboratory Digital Photography – 8 hours
 10/01/05 - Collecting Vehicle Paint Transfer & Known Samples – 4 hours
 12/16/03 - Tire Documentation – 2 hours
 11/12/03 - Alternate Light Source Operation – 4 hours
 07/13/03 - Accupoint Operation
 05/13/03 - Crime Scene Van Operation – 1 hour, class taught by me
 19 Sept 2000 – Electrical Safety Course – 14 hours – Technology Transfer, Inc.
 1999 - Blood Evidence Collection – 4 hours
 1999 - Aviation Land and Water Survival – 2 days

04/08/03 - Blood Pattern Documentation - 6 hours
 10/28/97 - Using the Flash Meter - 2 hours
 02/11/97 - Trace Evidence Collection – 2 hours
 12/10/96 - Serology Evidence: Documentation & Collection
 11/25/96 - Presumptive Blood Tests
 11/12/96 - Latent Prints
 11/04/96 – Blood Spatter Interpretation
 10/28/96 - Advanced Electrostatic Lifter
 10/01/96 - Electrostatic Dust Print Lifter
 09/10/96 - Crime Scene Diagramming
 06/10/96 - Blood Spatter
 06/03/96 - Video Camera Imaging (Instructor)
 05/20/96 - Crime Scene Documentation with Computer Aided Design Program
 04/23/96 - Superglue Wand (Instructor)
 04/15/96 - Safe Cracker Powder & Use of Fire and Soot on Galvanized Metal
 04/08/96 - Latent Development Techniques
 01/09/96 - Evidence Evaluation/Documentation, Collection/Packaging
 12/14/95 - Photography
 10/24/95 - Preliminary Processing
 15 October 1993 – Senior Crime Scene Analyst – International Association of Identification
 11 June 1993 – Basic Evidence Response Team Training Course – 1 week – FBI
 28 May 1993 – Forensic Aspects of Latent Prints – 1 week – FBI
 1971 – Basic Police Course – 8 weeks
 1970 – Criminal Identification and Investigation Course – The Institute of Applied Science
 2001: DataMaster Breath Testing Operator, Supervisor and Maintenance Course, National Patent Analytical Systems, Inc.
 2000: Access 2000, Advanced, CompUSA Computer Training, Anchorage, Alaska (6 hours)
 Using Microsoft Office, CompuMaster, Anchorage, Alaska (8 hours)
 Access 2000, Intermediate, CompUSA Computer Training, Anchorage, Alaska (8 hours)
 Electrical Safety, Requirements and Procedures School, Seattle, Washington (2 days)
 1999: Datamaster Breath Alcohol School, National Patent Analytical Systems, Mansfield, Ohio (32 hours)
 EPROM Fix for the Intoximeter 3000 Y-2K Date Sequence
 1997: Shotgun Buckshot Course, Anchorage Police Department, Anchorage, Alaska (8 hours)
 1995: Electronic Warfare and Recovery and Destruction of Com of Forensic Scientists, Anchorage, Alaska (3 hours)
 1994: Advanced Palm Print Identification, Ron Smith (Instructor), Albany, New York (3 days)
 1993: Blood Borne Pathogens Training, Scientific Crime Detection Laboratory, Anchorage, Alaska (2 hours)
 Electronic Investigative Techniques, Alaska Peace Officers Association, Anchorage, Alaska (16 hours)
 Laser Fingerprint Development Workshop, Dr. E.R. Menze University, Lubbock, Texas (1 week)
 1992: Advanced Administrative Latent Fingerprint School, FBI Training Academy, Quantico, Virginia (3 weeks)

Anchorage Police Department
 1989: Breath Test Supervisor Certification (12/01/89 - 12/01/92), Scientific Crime Detection Laboratory, Sitka (1 week) - Instructor & Student
 1987: Breath Test Supervisor Certification (11/20/87 - 11/20/90), Scientific Crime Detection Laboratory, Anchorage (1 week) - Instructor & Student
 Factory Training on Intoximeter 3000, Cal-Detect, Richmond, California (1 week) Advanced Maintenance & Instructor's Course.

1985: Data Communications with the Intoximeter 3000, Alaska Department of Health & Social Services, Juneau (8 hours)

1984: Breath Test Supervisor Certification (12/26/84 - 12/26/87), Department of Health & Social Services, Anchorage (16 hours) - Instructor & Student
 Portable Breath Testing with the Alco Sensor III (6 hours)

1983: DWI Detection, Public Safety Training Academy, Sitka (1 week)
 Factory Training on Intoximeter 3000, Cal-Detect, Richmond, California (43 hours)
 Breath Test Supervisor Certification for Intoximeter 3000 (01/07/83 - 01/07/85), Alaska Pacific University, Anchorage (1 week)

1982: Uniformed Investigators School (1 week)

1980: Non-Verbal Communication & Interrogation Techniques (2 days)

1979: Revised Criminal Code Class, Alaska Department of Law Criminal Division (3 days)
 Death Investigation Seminar (5 1/2 days)

1978: Uniformed Officer Investigation School Search & Seizure, Seward Police Department (8 hours)
 Symposium on Forensic Pathology, State of Alaska Court System (3 days)
 Police Photography, Kodak Company, San Francisco, California (1 week)
 Explosive Tagents, Ft Richardson, Alaska (2 days)
 Certified Police Instructor Course – State of Alaska

1977: Instructor Training, Louisville Southern Police Institute, Public Safety Training Academy, Sitka, Alaska (2 weeks)

1976: Shotgun Training Course, FBI/Anchorage (9 hours)
 Crime Scene Processing Seminar, Chicago Police Department (1 week)
 Forensic Pathology (6 hours)

1975: Techniques and Responsibilities at Reported Gas Smells (8 hours)
 Rape Sensitivity Seminar (8 hours)
 Search & Seizure Seminar, FBI/Anchorage (2 days)

1971-1975: Police Administration, University of Alaska-Anchorage (25 credits)

1971 – First Class Radiotelephone Certificate – Passed Test – Federal Communications Commissions
 Locksmithing, The Locksmith Institute (correspondence course)
 Basic Police Training (8 weeks) The Anchorage Police Department
 S.C.U.B.A. Diving Certificate – 1 week – Inland School of Diving
 Passed the State of Missouri Engineer In Training Test after Graduating from College with B.S.E.E.

1962: Passed the Kansas City, Missouri Test for Electronic Radio and Television Repair Technician Certification

1957 thru 1970 85 Skydiving Parachute Jumps – Parachute Club of America and the U.S. Parachute Association

National Aeronautics & Space Administration (NASA)
 Operations Crew

1970: DHE Controller Technician

1969: Electronic Technician Classes on Systems – General Dynamics – Electronics Division

1968: VHF, S band Antenna Maintenance & Operations, VHF, S band Transmitter Operation & Installation & Maintenance Crew

1966 - 1967: Senior Maintenance of Satellite Tracking and Telemetry Receivers

Courtroom Experience: List the discipline(s) in which you have qualified to testify as an expert witness and indicate over what period of time and approximately how many times you have testified in each.

Electronics (39 years), In excess of 100 times
 Photography (39 years), In excess of 100 times
 Latent Fingerprints (39 years), In excess of 100 times

Professional Affiliations: List any professional organizations of which you are or have been a member. Indicate any offices or other positions held and the date(s) of these activities.

None

Employment History: List all scientific or technical positions held, particularly those related to forensic science. List current position first. Be sure to indicate employer and give a brief summary of principal duties and tenure in each position.

Job Title	Job Title: Forensic Scientist III - Physical	Tenure	February 1991 to present
Employer	Alaska Department of Public Safety Scientific Crime Detection Laboratory Anchorage, Alaska		
Provide a brief description of principal duties:			
Latent fingerprints, crime scene investigations, electronic repair and photography. Provide instruction in these areas. Provide court testimony on results of analyses.			

Job Title	Senior Patrolman	Tenure	1971 - 1991
Employer	Anchorage Police Department Anchorage, Alaska		
Provide a brief description of principal duties:			
Patrol, electronic repair and installation, photography, crime scene searches, court expert witness, and instructor in all above topics.			

Job Title	Electronic Technician	Tenure	1964 - 1971
Employer	Radio Corporation of America, NASA Satellite Tracking & Data Acquisition Station Gilmore Creek, Fox, Alaska		
Provide a brief description of principal duties:			
Installation, maintenance, and operation of all electronic equipment at the station.			

Job Title	Installer / Electronic Technician	Tenure	1957 - 1961
Employer	The Overhead Door Company Fairbanks, Alaska		
Provide a brief description of principal duties:			
Door installation and radio control repair.			

Job Title		Tenure	
Employer			
Provide a brief description of principal duties:			

Other Qualifications: List below any scientific publication and/or presentation authored or co-authored, research in which you are or have been involved, academic or other teaching positions you have held, and any other information which you consider relevant to your qualification as a forensic scientist.
 (Use additional sheets if necessary.)

INSTRUCTOR CERTIFICATION:

Alaska Police Standards Council Certified Police Instructor:

Police photography

Crime scene processing

Evidence collection, preservation, and transmittal

Fingerprinting

Casting of mud and snow tracks and tool marks

Intoximeter 3000 Breath Testing Instrument – Instruction, operation and repair

DataMaster Breath Testing Instrument – Instruction, calibration and repair

Alaska Police Standards Council Police Officer Ratings:

1976 - Basic

1978 - Intermediate and Advanced

INTERNATIONAL ASSOCIATION FOR IDENTIFICATION CERTIFICATION:

1993 - Senior Crime Scene Analyst

1996 - Renewed certification, Senior Crime Scene Analyst

Present - Expired

INVENTIONS and PROJECTS PRODUCED for Crime Detection and Police Work:

U.S. Patent Number 5289218, Rotorgraph - Capable of photographing a full 360 degrees around cylindrical surfaces.

High Voltage Fingerprint Developer for Fired Cartridge Casings (March 2010).

Major Case Fingerprint Field Kit October 2009

Stereo Microscope Light Source (Flashlights that plug into the wall outlet).

Shoe Photography / Inspection Adjustable Stand with Following Ruler.

Flash bulb Burglar Alarm System – no patent.

Brought and taught Sulfur Casting of snow tracks to Alaska Law Enforcement in about 1974.

Invented an Iodine Fuming Gun for fingerprinting Dead Bodies in about 1974 – no patent.

Ceiling speaker anti feedback device – no patent.

Alco Revolver – a device to rotate ALCO Bottles for final mixing of contents – no patent.

Rubber Glove processing stand and inflator – for fingerprinting and photographing rubber gloves – no patent.

Motorized Squirrel Cage Super Glue Plastic Baggie Tumbler – for fingerprinting a large quantity of small baggies at once – no patent.

Infrared Source Class Demonstrator Device for DataMaster Breath Testing – no patent.

Chopper Wheel/Filter Demonstration Device for DataMaster Breath Testing – no patent.

Operator's Manual for the Intoximeter 3000 and the DataMaster breath testing instruments.

Supervisor's Manual for the Intoximeter 3000 and the DataMaster breath testing instruments.

Maintenance Manual for the Intoximeter 3000 and the DataMaster breath testing instruments.

Special Bench Clamp for repairing Intoximeter and DataMaster Pressure Gages.

Modification to High Vacuum Fingerprinting Chamber to add water vapor after removing air from chamber.

Modification to Tri Super Glue Chamber to allow for individual control of light and heat to each chamber.

Modification to Crime Van to provide telephonic and intercom connections from Crime Van to Scene.

Designed numerous Class Handouts for Crime Scene Processing work.

Produced portable 3 foot long frosted glass Chart Review Cart for Laboratory.

Produced portable Intoximeter/DataMaster Alcohol Calibration/Certification Cart for alcohol simulators.

Produced NALCO Bottle Safety Stand for repair, calibration and certification of Intoximeter/DataMaster Instruments.

Produced a One to One camera adaptor for an older camera for fingerprint work.

Invented a strobe synchronizer to allow the use of a strobe on an older flash bulb camera – no patent.

Produced modified EPROM for the Intoximeter 3000 to continue operation past the year 2000.

Developed macro photography adaptor for photographing live rounds and spent cartridge casings using laser light.

Developed macro photography adaptor for using side lighting, top lighting or straight on lighting for fingerprints on plastic bags or bottles of liquid.

SCIENTIFIC PRESENTATIONS:

The Rotorgraph, A New Instrument to Facilitate Photographing Latent Prints on Small Cylindrical Objects, T. Pippin, International Symposium on Forensic Aspects of Latent Prints, FBI Training Academy, Quantico, Virginia, 1993.

SCIENTIFIC PUBLICATIONS:

The Rotorgraph, Forensic Science 13th Australian and New Zealand International Symposium, Sydney, Australia, September 1996, Article C3-51, Pp 15.51.

The Rotorgraph, 14th Meeting of the International Association for forensic Sciences, Tokyo, Japan, August 1996, Article OS42-1.

The Rotorgraph, International Association for Identification's Journal of Forensic Identification, Vol. 45, No. 6, Nov/Dec 1995, Pp 612-617.

The Rotorgraph, Collected papers from the International Forensic Science Symposium, November 27 to December 3, 1994.