

Curriculum Vitae

[Current May 5, 2006]

Jon J. Nordby, Ph.D., D-ABMDI

Address: *Final Analysis Forensics*
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University Place, WA 98466

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Web Page: www.finalanalysisforensics.com

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Cell: 253-691-2932

Present Positions: Consultant in forensic science and forensic medicine, *Final Analysis Forensics*; Medical Investigator & Forensic Specialist, National Disaster Medical System, DMORT, Region X, Federal Emergency Management Agency FEMA [formerly with the Department of Homeland Security]; Instructor, Washington State Criminal Justice Training Academy [Police – Patrol & Detective Training Facility]

Areas of Practice in Forensic Science & Forensic Medicine

Medico-legal Death Investigation; Bloodstain Pattern Analysis; Ballistics, Firearms & GSR Testing; Trace Evidence Analysis; Crime Scene Investigation & Event Reconstruction

Research

1. Publications Including Books

Sleuthing: Method Meets Murder, Jon J. Nordby, Ph.D. Pacific Lutheran University, Tacoma, WA, 1st Edition, 1978

Sleuthing: Method Meets Murder, Jon J. Nordby, Ph.D., assisted by Karen Brandt, Forensic Science Associates, Tacoma, WA, 2nd Edition, 1991

“How Approximations Take Us Away From Theory and Toward the Truth” Nancy D. Cartwright, Ph.D. & Jon Nordby, Ph.D., *Pacific Philosophical Quarterly*, July 1983

How the Laws of Physics Lie, written by Nancy Cartwright, with Jon Nordby co-authoring Essay #6, “For Phenomenological Laws,” pp. 100-127; further acknowledgment of Nordby in Introduction, pp.1-20; Clarendon Press, Oxford University Press, New York, NY, 1983

Synthese: The Philosophy of Applied Science, Jon Nordby, Ph.D. & Vivian Weil, Editors, Vol. 81, Kluwer Academic Publishers, 1989

“Bootstrapping While Barefoot [Crime Models vs. Theoretical Models in the Hunt for Serial Killers]” Jon Nordby, Ph.D., *Synthese*, Vol. 81, pp. 373-389, 1989

“Can We Believe What We See If We See What We Believe? Expert Disagreement” Jon Nordby, Ph.D., *Journal of Forensic Sciences*, Vol. 37, No. 4, July 1992

“Can We Believe What We See If We See What We Believe? Expert Disagreement” Jon Nordby, Ph.D., Reprinted, *The International Society of Air Safety Investigators Forum*, Vol. 26, No. 3, September, 1993

“Science is as Science Does: The Question of Reliable Methodologies in ‘Real Science’,” Jon Nordby, Ph.D., *Shepard’s Expert and Scientific Evidence Quarterly*, Vol. 2, No. 3, winter 1995

“The Study of Philosophy Can Help Solve Mysteries,” Jon Nordby, Ph.D.,
Pacific Lutheran Scene Magazine, fall, 1996

“A Member of the Roy Rogers Riders Club Must Follow the Rules Faithfully” Jon Nordby, Ph.D.,
Journal of Forensic Sciences, Vol. 42, No. 6, November, 1997

Dead Reckoning: The Art of Forensic Detection,” Jon Nordby, Ph.D., CRC Press, 1999

Careers in the Forensic Sciences, Jon J. Nordby, Ph.D., contributor, Forensic Sciences
Foundation, Colorado Springs, CO, 2000

“Is Forensic Taphonomy Scientific?” Jon Nordby, Ph.D., [Chapter in *Forensic Taphonomy: Volume II*, W.
D. Haglund, Ph.D. & M. H. Sorg, Ph.D., Editors, CRC Press, 2002]

Forensic Science: An Introduction to Scientific and Investigative Techniques, edited by Jon Nordby, Ph.D.,
and Stuart James; and *chapters 1, 30* written by Jon Nordby, Ph.D., CRC Press, released August, 2002,
copyright 2003

Forensic Science: An Introduction to Scientific and Investigative Techniques, edited by Jon Nordby, Ph.D.,
and Stuart James, CRC Press, Second Edition, copyright 2005

Instructor’s Guide for Forensic Science: An Introduction to Scientific and Investigative Techniques, edited
by Jon Nordby, Ph.D., Stuart James, Sara R. Kreisman, CRC Press released September, 2002, copyright
2003

Encyclopedia of Forensic and Legal Medicine, edited by Jason Payne-James, Roger Byard, Tracey Corey,
and Carol Henderson, Elsevier Science Ltd, Volume 2, Crime Scene Management Systems, United States
of America, Jon Nordby, Ph.D., page 46, copyright 2005

2. Reviews

On the Trail of Murder; Inside Murder, a Psychiatric Portrait, by Walter Bromberg, MD
Book Draft editorial review for MIT Press, 1995

Ethics in Forensic Science by Peter D. Barnett, Protocols in Forensic Science Series, CRC Press 2002,
Book review for the *Journal of Forensic Sciences*, spring 2002

Lust Murder/Sexual Homicide Book Draft proposal review for Elsevier Science Publishing, 2005

Associate Editor, *International Association of Bloodstain Pattern Analysts Review*, from 1993 –
Reviewed many technical articles for publication to date

Guest Editor, *Journal of Forensic Sciences*, reviewer of articles or books on ethics, scientific method,
issues of bias and ‘scientific neutrality’

3. Computer Programs

Della, [Investigative reasoning training tool, teaching the logic of homicide investigation], Stanford
University and Pacific Lutheran University, Aid Association for Lutherans, 1982-1983

DOA, [Death Occurrence Analyst], reference and inference tool for the investigation of sudden, unexpected
deaths, including homicides of each model type, with Clifford Jo, Copyright 1988

4. Radio and Television

Behind the Shield, “Homicide Investigation,” with Mark Mann, Produced by Lane Ficke, Cable Channel 12, 1994

Cop Talk, “Dead Reckoning – Forensic Sciences & Law Enforcement,” with Mark Mann, KVI 570 Seattle, Washington, 1995

Discovery Channel; Cronkite Ward Company, Documentary film – “Sherlock Holmes and the Hound of the Baskervilles,” producer, Philippa Gilmore, Washington DC, 2002

5. Work in Progress

Crime Scene Atlas, CRC Press, forthcoming book, 2008

6. Laboratory Research

Florescence Spectrometry in the Detection, Photography, and Analysis of Gun Shot Residues

The Identification and Detection of RPG residues at a distance through non-destructive analytical methods
SBIR Topic AF05-075: “Visualization of Propellant Residues from Shoulder-Fired Rockets upon Skin and Clothing,” U.S. Air Force, Wright-Patterson AFB

SWGSTAIN Validation study participant: *BackTrack* bloodstain pattern analysis program – FBI [Federal Bureau of Investigation]

7. Discussions of Dr. Nordby’s work

Ramsland, Katherine, *The Forensic Science of C. S. I.*, published by Berkley Boulevard Penguin Putnam Inc., New York N.Y. 2001, chapter 6, especially pp. 128 – 132.

Discovery Channel; Cronkite Ward Company, Documentary film – “Sherlock Holmes and the Hound of the Baskervilles,” producer, Philippa Gilmore, Washington DC, 2002

Grants and Fellowships

Aid Association for Lutherans, [awarded 1981-82] Regency Advancement Awards [two], NJI [not awarded], NSF [not awarded], PLU Presidential Grant, [\$1000, 1986] Dr. Reike; Guy’s Hospital Senior Research Fellowship [awarded 1994], other minor grants

Awarded Phase 1 SBIR Topic AF05-075: “Visualization of Propellant Residues from Shoulder-Fired Rockets upon Skin and Clothing,” U.S. Air Force, Wright-Patterson AFB

Papers and Presentations

<u>Date</u>	<u>Title</u>	<u>Status</u>
1988	<i>Introducing Death Investigation to Legal and Human Services Professionals</i> PCME Workshop, Marriott Hotel Seattle Washington	Co-Organizer & Presenter [Student Evaluations]
1989	<i>Sleuthing Random Homicides</i> University of Portland Portland, Oregon	Invited lecture
1989	<i>Investigating a Mutilation Murder</i> St. Louis University School of Medicine St. Louis, Missouri	Peer Review [prior review]

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|---|------------------------------------|
| 1990 <i>Forensic Applications of Logic & Probability Theory</i>
American Academy of Forensic Sciences
Cincinnati, Ohio | Peer Review
[prior review] |
| 1991 <i>Can We Believe What We See If We See What We Believe?</i>
American Society of Forensic Odontology
Anaheim, California | Invited by Peers
[prior review] |
| 1991 <i>Logic and Computer Science as Emerging Forensic Sciences</i>
American Academy of Forensic Sciences
Anaheim, California | Peer Review |
| 1991 <i>Logical Problems in Knowledge Engineering: Criminal Investigative Analysis</i>
FBI Academy
Quantico, Virginia | Invited by Peers
[prior review] |
| 1991 <i>Murder Unrecognized</i>
Highline Community Hospital
Riverton Campus,
Seattle, Washington | Invited by UW
CME Officer |
| 1991 <i>The Perfect Murder</i>
Mystery Writers of Seattle
Seattle, Washington | Invited by Peers
[prior review] |
| 1992 <i>Observation and the so-called 'Expert Witness'</i>
University of British Columbia Department of Forensic Pathology
Vancouver, British Columbia | Invited by Peers
[prior review] |
| 1992 <i>Listen to the Silent Majority and Learn to Autopsy</i>
Presidential Forum, Pacific Lutheran University
Tacoma, Washington | PLU Pr. Forum
Invited |
| 1993 <i>Taking the Mystery Out of Murder: Processing Indoor & Outdoor Crime Scenes</i>
Pacific Lutheran University
Tacoma, Washington | PLU Women
By invitation |
| 1993 <i>Offering an Opinion of Your Opinion: What is Expert Opinion</i>
<i>"Held to a Reasonable Degree of Medical or Scientific Certainty"?</i>
American Academy of Forensic Sciences
Boston, Massachusetts | Peer Reviewed
[prior review] |
| 1994 <i>Extracting Signs From Scenes: Advanced Bloodstain Pattern Analysis</i>
University of British Columbia Dental School
Vancouver, British Columbia | Invited by Peers
[prior review] |
| 1994 <i>The History and Philosophy of Forensic Science</i>
University of Washington Dept. of Clinical Medicine
Seattle, Washington | Invited by Peers
[prior review] |
| 1994 <i>Science, Law, and the Quincy Myth</i>
Training Course for Coroners and Forensic Pathologists
Office of the Chief Coroner Ministry of the Solicitor General
Toronto, Ontario Canada | Invited by Peers
[prior review] |
| 1994 <i>Open Mind, Case Closed or Closed Mind, Case Open</i>
Training Course for Coroners and Forensic Pathologists | Invited by Peers
[prior review] |

Office of the Chief Coroner Ministry of the Solicitor General
Toronto, Ontario Canada

- | | |
|---|------------------------------------|
| 1994 <i>A Tabloid Explanation Meets Sherlock's Logic:
Dousing Spontaneous Human Combustion</i>
American Academy of Forensic Sciences
San Antonio, Texas | Peer Reviewed |
| 1994 <i>Forensic Science Education in the Year 2010</i>
American Academy of Forensic Sciences
San Antonio, Texas | Invited by Peers
[prior review] |
| 1995 <i>The Uses of Forensic Science</i>
Multidisciplinary Symposium (now annually)
American Academy of Forensic Sciences
Seattle, Washington | Organizer,

[prior review] |
| 1995 <i>Forensic Scientific Evidence and Testimony in the Courtroom</i>
Panelist, Scientific and Professional Standards Governing Forensic Science
American Academy of Forensic Sciences
Seattle, Washington | Invited by Peers
[prior review] |
| 1995 <i>Do Two Wrongs Make a Right?</i>
Ethical Foundations of Forensic Psychiatry
American Academy of Psychiatry and the Law
Seattle, Washington | Invited by Peers
[prior review] |
| 1996 <i>Forced Change in Forensic Science</i>
American Academy of Forensic Sciences Workshop
Nashville, Tennessee | Peer Reviewed |
| 1997 <i>Junk Science in the Courtroom</i>
American Academy of Psychiatry and the Law
New York, New York | Invited by Peers
[prior review] |
| 1997 <i>Teamwork at the Crime Scene</i>
Multidisciplinary Symposium
American Academy of Forensic Sciences
New York, New York | Invited by Peers
[prior review] |
| 1997 <i>Ethical Practice in the Forensic Sciences</i>
Panelist, Plenary Session
American Academy of Forensic Sciences
New York, New York | Invited by Peers
[prior review] |
| 1998 <i>Ethics in Homicide Investigations</i>
Washington State Criminal Justice Training Commission
Seattle, Washington | Invited lecture |
| 1999 <i>Investigative Ethics for Sworn Law-enforcement Officers</i>
Washington State Criminal Justice Training Commission
Seattle, Washington | Invited lecture |
| 2000 <i>Death Scenes & the Human Body</i>
UW Extension Lecture
Certificate Program in Forensic Science
Seattle, Washington | Invited lecture |

2000 <i>Ethics in Homicide Investigations</i> Washington State Criminal Justice Training Commission Basic Homicide Investigation Seattle, Washington	Invited lecture [prior review]
2000 <i>Doing Our Best While Doing Our Duty: The Ethics of Homicide Investigation</i> Police Executive Research Forum [PERF] Homicide Course Memphis, Tennessee	Invited by Peers [prior review]
2000 <i>Klan Justice & the Liar's Paradox: New Evidence from Old Records</i> [Bias & Prejudice in the Investigation of Hate Crimes] International Association of Bloodstain Pattern Analysts Tucson, Arizona	Peer Reviewed [prior review]
2000 <i>Dead Reckoning: Cases and Principles of Investigation</i> Oregon Health Sciences University Portland, Oregon	Invited by Peers
2001 <i>Hate Crimes & Their Scientific Re-investigation</i> Multidisciplinary Symposium on the Uses of Forensic Science American Academy of Forensic Sciences Seattle, Washington	Invited by Peers [prior review]
2001 <i>Ethical Codes, Oaths of Honor and Police Use-of-Force</i> Washington State Attorney General's Office Investigators Retreat Ocean Shores, Washington	Invited lecture
2001 <i>Forensic Sciences: Death Investigation Course Spring Quarter</i> University of Washington Extension Seattle, Washington	Lecturer
2002 <i>Necessary Basics: Crime Scene Investigation and Event Reconstruction</i> Washington Defenders Association Investigators Conference Ocean Shores, Washington	Invited lecture
2002 <i>Scientific Reasoning: Forensic Analysis and Inference to the Best Explanation</i> University of Washington Extension Seattle, Washington	Lecturer
2003 <i>Ballistics & Crime Scene Reconstruction</i> Mystery Writers of Seattle Seattle, Washington	Invited lecture
2006 <i>Documentation, Photography & Processing of Bloodstain Patterns</i> Pacific Northwest Division International Association for Identification Boise, Idaho	Invited workshop
2006 <i>Bloodstain Pattern Evidence</i> Pacific Northwest Division International Association for Identification Boise, Idaho	Invited lecture

Teaching Competencies

- ◆ Logic & Scientific Method; Philosophy of Science and Medicine; deductive logics, set theory, meta-mathematics, non-deductive logics; Ethics & Police Use-of-Deadly-Force Policy; Critical Thinking & Critical Intelligence Development
- ◆ Ballistics – Terminal Ballistics, Trajectory Analysis, GSR Testing; Bloodstain Pattern Analysis; Microscopy; Crime Scene Reconstruction; Criminalistics; Medico-legal Death Investigation; Homicide Investigation; Identification & Recovery of Human Remains; Crime Scene Processing; Evidence Collection, Documentation and Analysis

Professional Memberships

Fellow, American Academy of Forensic Sciences
 Diplomat, American Board of Medico-legal Death Investigators
 Association for Crime Scene Reconstruction
 Canadian Society of Forensic Science
 Founding Member, Department of Homeland Security
 International Association of Bloodstain Pattern Analysts
 International Criminal Justice Law Enforcement Expert Systems Association
 (FBI, Home Office, Interpol, Metropolitan Police, Berlin Police, and U.S. Police Jurisdictions)
 Pacific Northwest Forensic Science Study Group
 Philosophy of Science Association
 Scientific Working Group on Bloodstain Pattern Analysis [SWGSTAIN]
 FBI [Federal Bureau of Investigation]
 State Microscopical Society of Illinois

Professional Offices

American Academy of Forensic Sciences:
 Charter Member, Council of Forensic Science Education
 General Section Membership and Disciplines Committee
 Program Chair, Multidisciplinary Session: The Uses of Forensic Science
 Plenary Session Program Co-chair, Ethical Issues in Science & Law
 Plenary Session Speaker
 Member, Ethics Task Force
 General Section Program Co-chair, Scientific Sessions
 Local Arrangements Committee, Seattle 1995; 2001
 General Section Secretary
 General Section Chair
 General Section Director, 2002 - 2005
 Member, Academy Board of Directors, 2002 - 2005
 Member, Forensic Science Foundation Board of Directors, 2002 - 2005
 Member, Academy Ethics Committee 1995 - 2005
 International Criminal Justice Law Enforcement Expert Systems Association
 Elected Chair, 1991
 International Association of Bloodstain Pattern Analysts
 Associate Editor, IABPA Technical Review Newsletter
 SWGSTAIN [Scientific Working Group on Bloodstain Pattern Analysis] Legal Subcommittee,
 Drafted Group's Ethics Code & Ethics Policy
 FBI [Federal Bureau of Investigation], Washington DC

University Service

General Service:
 Arête Society Member, term as President [*Phi Beta Kappa Chapter applicant*];
 Weight training coach for the PLU Football Team's offensive line, 1978-1981; Division II National Championship team; Player-coach, PLU Water Polo Club, 1978-1982;
 General Advisor; Departmental Advisor; Philosophy Club Advisor; Committee Memberships: University Student Grievance Committee; Interim Committee; Interim Committee Chair; Non-Human Subjects

Review Board; Human Subjects Review Board; Educational Policies Committee; Faculty Secretary; Department Chair; Administrative duties associated with chair; Supervising eight faculty and two support staff

Special Service:

Developed community /international service programs with law enforcement, legal community, and medical examiners offices in Washington State and London, England; By special invitation, lead the only group of U.S. students ever to visit the 'Black Museum' at Scotland Yard, London England; Presidential Forum: Death Investigation; Developed Student Internships with Pierce County Medical Examiner, and Tacoma Police Department.

University Employment History:

1. Entry rank 1977: Assistant Professor
2. Tenured academic year 1985 - 1986
3. Promoted to associate professor academic year 1988 - 1989
4. Promoted to full professor academic year 2000 - 2001
5. Retired as a full professor, became professor emeritus, academic year 2001 - 2002

Employment

Forensic Science & Forensic Medicine Consultant, *Final Analysis Forensics* (1984 -)
Medical Investigator & Forensic Specialist, National Disaster Medical System, DMORT Region X (1998-)
Instructor, Washington State Criminal Justice Training Commission (1995 -)
Professor Emeritus and Former Department Chair, Pacific Lutheran University
Consultant, B.C. Coroner's Service Forensic Unit (1988 – 1997)
Consultant, King County Medical Examiner's Office (1993 - 1999)
Consultant, Pierce County Medical Examiner's Office (1992 - 1999)
Consultant, Puyallup Police Department, Investigations Section (1995 -)
Medical Investigator, training officer, King County Medical Examiner's Office (1992 – 1995)
Medical Investigator, training officer, Pierce County Medical Examiner's Office (1986 – 1992)

Education

1970 BA St. Olaf College, Northfield, Minnesota, *Cum Laude*
1975 MA University of Massachusetts-Amherst
1977 Ph.D. University of Massachusetts-Amherst
1982 Visiting Scholar: Stanford University, Stanford California
1986 – 1991[inclusive; 6 years] Preceptorship, Forensic Pathology, E. Q. Lacsina, MD, Preceptor, PCMEO

Board Certification

Diplomat, American Board of Medico legal Death Investigators, Registry #412

National Disaster Medical System Deployments: DMORT Region X

New York City – World Trade Center Terrorist Attack on America 9/11/01
Duties – Evidence Section – receive/examine/catalogue human remains & evidence for OCME & NYPD
Memorial Park - store, retrieve tissues for further forensic analysis
Imaging Section – computerize and review developing case files for OCME, NYPD, New York City Health Department, relevant Courts

Continuing Medical Education

1988 Death Investigation
U.W. School of Medicine
Seattle, Washington

1988 Death Investigation
U.B.C. Department of Pathology
Vancouver, British Columbia

1989 Death Investigation
Alberta Chief Medical Examiner
Calgary, Alberta

1990 Guy's Hospital Medical School
Dept. of Forensic Medicine
London, England

1992 Guy's Hospital
Department of Forensic Medicine
London, England

1992 AAFS Continuing Medical Education
Forensic Radiology
New Orleans, Louisiana

1994 Guy's Hospital Medical School
Dept. of Forensic Medicine
London, England

1995 AAFS Continuing Medical Education
Scientific Evidence and Testimony
Seattle, Washington

1997 Mt. Sinai School of Medicine
Junk Science in the Courtroom
New York, New York

1999 DMORT Mass Disaster Training
US Department of Health &
Human Services
Gresham, Oregon

2001 AAFS Continuing Education
Scientific Sessions
Seattle Washington

2002 AAFS Continuing Education
Scientific Sessions
Atlanta, Georgia

2003 National Disaster Medical Service
National Conference
Reno, Nevada

2004 Pharmacology & Pharmacokinetics
Workshop #23
AAFS Dallas, Texas

Continuing Criminalistics Education

1989 University of Alberta
Forensic Archeology
Edmonton, Alberta

1990 New Scotland Yard
Hendon Police Training School
Scenes of Crime

1989 Masters Three Death Investigation
St. Louis University School of Medicine
St. Louis, Missouri

1990 AAFS Continuing Medical Education
Recovery of Decomposed Remains
Cincinnati, Ohio

1992 Royal Society of Medicine
Police Surgeon & Forensic Medicine
London, England

1993 AAFS Continuing Medical Education
Assisted Suicide & the Law
Boston, Massachusetts

1994 AAFS Continuing Medical Education
Forensic Science & the Environment
San Antonio, Texas

1995 American Association Psychiatry & Law
Ethics in Medical Practice
Seattle, Washington

1997 AAFS Continuing Medical Education
Ethical Practice in Forensic Science
New York, New York

2000 DMORT Team #10 Training
US Department of Health &
Human Services
Edmonds, Washington

2001 Advanced Shooting Reconstruction
UNT Police Academy
Denton, Texas

2003 AAFS Continuing Education
Scientific Sessions
Chicago, Illinois

2003 Emergency Response to Terrorism
NDMS Conference
Reno, Nevada

2005 AAFS Continuing Education
Scientific Sessions
New Orleans, Louisiana

1990 New Scotland Yard
Fingerprints, 999
London, England

1991 Bureau of Criminal Apprehension
Bloodstain Pattern Analysis
Minneapolis, Minnesota

London, England

1995 Oklahoma City PD & ME
ACSR & IABPA Training
Bombing Investigation
Oklahoma City, Oklahoma

1996 Forensic Science Study Group
Tacoma Police Department
Tacoma, Washington

1997 ACSR & IABPA Training
Ballistics; Bloodstains
Seattle, Washington

2000 IABPA Training
Bloodstain Pattern Interpretation
Tucson, Arizona

2002 AAFS Continuing Education
Fingerprint Technology
Stephen Meagher, FBI [Atlanta, Georgia]

2002 McCrone Research Institute
Hair & Fiber Microscopy
Chicago, Illinois

2003 State Microscopical Society of Illinois
Inter Micro Conference
Chicago, Illinois

2003 FBI Advanced Bloodstain Pattern Analysis
Scientific Working Group
Quantico, Virginia

2004 FBI Advanced Bloodstain Pattern Analysis
Scientific Working Group
Quantico, Virginia

2005 AAFS Workshop
Shooting Reconstruction
New Orleans, Louisiana

2005 FBI Advanced Bloodstain Pattern Analysis
Scientific Working Group [fall]
Quantico, Virginia

2006 International Association for Identification
Pacific Northwest Division IAI
42nd Educational Training Conference
Boise, Idaho

1996 AAFS Continuing Education
Scientific Sessions
Nashville, Tennessee

1997 AAFS Continuing Education
Scientific Sessions
New York, New York

1999 AAFS Continuing Education
Scientific Sessions
Orlando, Florida

2000 AAFS Continuing Education
Scientific Sessions
Reno, Nevada

2002 AAFS Continuing Education
Digital Photography
Atlanta, Georgia

2002 FBI Advanced Bloodstain Pattern Analysis
Scientific Working Group
Quantico, Virginia

2003 McCrone Research Institute
Scientific Principles of Contrast in
Polarizing Light Microscopy
Chicago, Illinois

2004 AAFS Continuing Education
Ballistics & GSR studies
Dallas, Texas

2004 HMC Analytical Instrumentation
XRF Elemental Analysis
Livermore, California

2005 FBI Advanced Bloodstain Pattern Analysis
Scientific Working Group [Spring]
Quantico, Virginia

2006 FBI Advanced Bloodstain Pattern Analysis
Scientific Working Group [spring]
Quantico, Virginia

Continuing Investigative Training

1985 King County ME & SD
Victim Identification in Serial Homicides
Seattle, Washington

1990 AAFS & Federal Bureau of Investigation
Criminal Investigative Analysis
Cincinnati, Ohio

1991 FBI Academy Expert Systems in Law Enforcement Quantico, Virginia	1991 IC/LEESA & Tampa Police Department Applying Logic to Law Enforcement Tampa, Florida
1992 Hendon Metropolitan Police Training Training School - Terrorist Bombings London, England	1993 AAFS Continuing Education Aircraft Accident Investigation Boston, Massachusetts
1994 AAFS Continuing Education Multidisciplinary Investigations San Antonio, Texas	1994 Southeast Regional Crime Squad Regional Squads of England & Wales Luton, England
2000 University of North Texas Police Academy Officer Involved Shootings Denton, Texas	2001 ABMDI Performance Review Pierce County Medical Examiner Tacoma, Washington
2002 Defense Investigators Conference Washington Defenders Association Conference, Ocean Shores Washington	2003 Competency of Forensic Professionals Forensic Sciences Service, UK Chicago, Illinois
2003 Tactical Considerations in Fighting Terrorism National Disaster Medical System Conference [Fire Investigation & Thermal Injuries] Reno Nevada	

Honors

Phi Beta Kappa
Woodrow Wilson Fellow
Rockefeller Fellow
1994 Senior Research Fellow, Department of Forensic Medicine, Guy's Hospital, London
1994 Meritorious Service Award, American Academy of Forensic Sciences
Marquis Who's Who in Science & Engineering [Reviewed]
Marquis Who's Who in the West [Reviewed]
Marquis Who's Who [Reviewed]
Manchester Who's Who [Reviewed]
Listed expert, passing AMBEST's Forensic Practice Background Investigation [Reviewed]
Exemplary Service Award, Metropolitan Police, by Det. Inspector K.P. Gallagher, SO11
Founding Member, Department of Homeland Security

Personal Statement

I am the son of an artist and a physician. When I entered college, I wanted to know how a physician could observe a patient, x-ray, or lab test, explain the malady, and prescribe a treatment. I found that philosophers addressed these methodological issues, not biologists in undergraduate premedical programs. I majored in philosophy to learn how to think, and, because I found that artists' best taught the skills of careful observation so central to science, I also majored in studio art. Both skills - thinking and observing - provide a solid foundation for my graduate and post-graduate work in forensic science and forensic medicine. Death investigation suited my life-long interest in the puzzles of medical diagnosis and my eventual disinterest in practicing clinical medicine. I found my niche both as a professor and medical investigator, focusing on forensic science and forensic medicine. As an independent consultant in forensic science and forensic medicine with *Final Analysis Forensics*, I apply logic and science in the service of justice.

[Additional information about Dr. Nordby's career can be found in his first book, *Dead Reckoning: The Art of Forensic Detection*, CRC Press, 1999 and in his second book, *Forensic Science: An Introduction to*

Scientific and Investigative Technique, Edition 1, especially Chapters One and Thirty, CRC Press, August, 2002; Edition 2, especially Chapter One, January, 2005]

Final Analysis Forensics - Client Base

- Department of Defense
- Individuals & families [under special circumstances *only*]
- Police and Sheriff's Departments
- Private Attorneys
- Prosecutors' Offices [also through Law Enforcement Services]
- Public Defenders' Offices
- United States Congress – House Armed Services Committee
- Washington State Attorney General's Office – provide investigator training
- Washington State Association of Coroners and Medical Examiners – provide crime scene medical training

References and Courtroom Data are available upon specific request.

Final Analysis Forensics

Death Investigation Criminalistics Forensic Analysis

Current Fee Schedule [Current March 1, 2006]

[Day = more than 10 hours, excepting testimony]

Death Investigation	
Minimum charge per case	\$3500.00
Initial phone/email consultation	No charge
Travel time	\$275/hr or \$3000/day
Investigation / Consultation / Case Review.....	\$275/hr or \$3000/day plus expenses
Depositions	\$1500 advance payment required / billed at \$500/hr [Advance payment is non-refundable once Deposition is scheduled]
Testimony	\$3000.00/day billed at \$500/hr Minimum testimony & trial preparation: \$3000 plus expenses
Criminalistics	
Trace evidence analysis	
Microscopy / photography	
Ballistics & Firearms Examination	
Scene investigation / testing & experiment	
Forensic Analysis	
Investigation / evaluation of macro evidence	
Investigation / evaluation of expert testimony	
Reconstruction & Timeline Analysis - <i>Case Analyzer</i>	
Miscellaneous	
Case retainer fee	\$3500.00
Minimum laboratory supplies charge	\$275.00
Laboratory Assistant.....	\$125/hr
Investigator/Administrative Assistant	\$110/hr
Clerical Support.....	\$65/hr
Usage fees for special equipment expense.....	\$50/hr
Shipping surcharge for special samples	\$175.00
Shipping surcharge for pre-paid shipping.....	\$25/shipment
Shipping surcharge for billed shipping	\$50/shipment + FED EX Charges
Evidence Storage & Biohazards [special circumstances only].....	\$250/month
Trail & Exhibit Preparation	\$275/hr + expenses

Color Photo Printing, Document Binding, and CD/DVD reproduction fees also apply – Call for details

Hourly rates apply for each working scientist if associates are retained - Work begins with receipt of retainer or court stipulation agreement in special cases; Further information available upon request, or visit our website at www.finalanalysisforensics.com