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## Barton Epstein CV

Barton Epstein

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## CURRICULUM VITAE

BARTON P. EPSTEIN

DATE OF BIRTH: November 17, 1942

PLACE OF BIRTH: Stockton, California

EDUCATION: University of California at Berkeley,  
B.S. Criminalistics, 1965.

EMPLOYMENT RECORD:

1980 - 1998	Assistant Director Forensic Science Laboratory Minnesota Bureau of Criminal Apprehension Laboratory St. Paul, Minnesota.
1974 - 1980	Supervisor - Micro Analytical Section Minnesota Bureau of Criminal Apprehension St. Paul, Minnesota
1966 - 1974	Crime Laboratory Analyst/Micro- Serology Minnesota Bureau of Criminal Apprehension St. Paul, Minnesota

ORGANIZATIONS:

American Academy of Forensic Sciences  
Midwestern Association of Forensic Scientists - President 1984  
American Board of Criminalistics - Treasurer 1992-1995  
American Society of Crime Laboratory Directors  
The Forensic Science Society  
Minnesota Society of Optical Microscopists - President 1983  
International Association of Bloodstain Pattern Analysts

CERTIFICATION:

American Board of Criminalistics-Diplomate (Certificate #14)

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### SPECIALIZED SCHOOLS AND SEMINARS ATTENDED:

1. "Industrial Use of the Polarizing Microscope",  
McCrone Research Institute, Chicago, Illinois, June 1970.
2. "Identification of Wood Species in Paper",  
The Institute of Paper Chemistry, Appleton, Wisconsin,  
July 7-9, 1971.
3. "Microscopy and Photography",  
Leitz - Leica Seminar, University of Illinois, Urbana -  
Champaign, Illinois, Oct. 5-7, 1971.
4. "Identification of Small Particles",  
McCrone Research Institute, Chicago, Illinois, Oct. 1973.
5. "Inter/Micro 74"  
Microscopy Seminar, Chicago, Illinois, June 1974.
6. "Haptoglobin and Other Blood Grouping Techniques",  
Metropolitan Police Laboratory ('Scotland Yard'),  
London, England, Nov. - Dec., 1974.
7. "Advanced Microscopy - Soils",  
Forensic Microscopy Workshop, Chicago, Illinois,  
Dec. 18-22, 1978.
8. "Officer in Court Seminar",  
William Mitchell College of Law, St. Paul, Minnesota,  
Feb. 7-11, 1981.
9. "Interpretation of Bloodstain Evidence",  
The Forensic Science Institute of the South and William  
Carey College, New Orleans, Louisiana, March 7-11, 1983.
10. "Expert Witnesses & Credibility and Cross-Examination",  
Hamline University School of Law, St. Paul, Minnesota,  
Sept. 19, 1984.
11. "DMT-II Advanced Managerial Strategies", Psychological  
Associates, Inc. and Bureau of Criminal Apprehension,  
St. Paul, Minnesota, Nov. 18-22, 1985.

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12. Latent Fingerprints, Bureau of Criminal Apprehension, Arden Hills, Minnesota, Aug. 12-14, 1986.
13. Ink Analysis Workshop, Midwestern Association of Forensic Scientists, MacKinac Island, Michigan; October 8, 1987.
14. Management Problems of the Technical Person, Fred Pryor Seminars, Minneapolis, Minnesota, February 22, 1988.
15. Advanced Bloodspatter Seminar, International Association of Bloodstain Pattern Analysts, 1988, 1989, 1990, 1991, 1992, 1995.
16. Mathematics and Physics Involved in Bloodstain Pattern Analysis, Royal Canadian Mounted Police Central Forensic Laboratory and Carleton University; Ottawa, Ontario, Canada; May 1-12, 1989.
17. Forensic Science Seminar (Annual), Minnesota Coroners' and Medical Examiners' Association, Minneapolis, Minnesota (2 days in October), 1986, 1987, 1991, 1992, 1993, 1994.
18. Clandestine Grave Practical Training, BCA Forensic Science Laboratory, June 21, 1994.
19. Luminol Training and Practical Exercise, BCA Forensic Science Laboratory, May 4-5, 1995.

### PROFESSIONAL PRESENTATIONS - GENERAL:

1. "Detection of Trace Metals from Recently Held Firearms", International Association for Identification, 56th Annual Conference, Louisville, Kentucky, July 25-29, 1971.
2. "The Identification and Comparison of Synthetic Fibers: A Panel Discussion", Spring 1973, Midwestern Association of Forensic Scientists Association Meeting, Lansing Michigan, May 4, 1973.
3. "Cross-Over Electrophoresis to Determine Human Origin of Semen", Seminal Fluids Workshop, Fall 1973, Midwestern Association of Forensic Scientists Association Meeting, Kansas City, Missouri, Oct. 3, 1973.

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4. "Absorption - Elution Grouping with Ammonia Extract", Barton Epstein and Timothy Dixon, 1975, Fall MAFS Meeting, Columbus, Ohio, Oct. 10, 1975.
5. "Packaging and Collection of Evidence", Minnesota Division of the International Association of Identification, Semi-Annual meeting, New Ulm, Minnesota, Oct., 1975.
6. "Crime Laboratory Examinations in Rape Cases", St. Cloud Rape Crisis Center, Saint Cloud Hospital Workshop, St. Cloud, Minnesota, September 21, 1977.
7. "Laboratory Testing", Minnesota Institute of Criminal Justice, Trial Advocacy Institute, Bemidji State University, Bemidji, Minnesota, 1977, 1978, 1979, 1985.
8. "Medical Technology and the Crime Laboratory: Common Areas of Concern", Minnesota Society for Medical Technology Area III, St. Paul Ramsey Hospital, St. Paul, Minnesota, May 10, 1978.
9. "The Examination of Body Fluids, Ballistics of Blood, and Blood Typing", Northwest Missouri State University, Criminalistics Laboratory Seminar, Kirksville, Missouri, May 31, 1978.
10. "Crime Lab Examinations", Minnesota Society of Histotechnologists", Sixth Annual Conference, St. Paul, Minnesota, Oct. 27, 1978.
11. "Science in the Courtroom", William Mitchell College of Law, Criminal Law Problems and Tactics, 1978, 1979, 1980, 1981, 1982.
12. "Winning the Criminal Trial: Effective Use of Experts and Exhibits", National Practice Institute for Continuing Legal Education, Minneapolis, Minnesota, Jan. 20, 1979.
13. "Blood, Semen, Hairs and Paint: What Can Be Done in the Crime Laboratory?", Hennepin County Public Defender's Office, Minneapolis, Minnesota, Feb. 1979.
14. "Laboratory Testing of Physical Evidence", Minnesota Shorthand Reporters, 1979 Spring Seminar, April 21, 1979.

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15. "Forensic Examinations and The Law", University of Minnesota Law School, Trial Practice Course, Minneapolis, Minnesota, May 30, 1979.
16. "Crime Scene Processing", Interagency Special Investigation Squad (ISIS), Brooklyn Center, Minnesota, June 25-26, 1980.
17. "Crimebusters", The Science Museum of Minnesota, St. Paul, Minnesota, Feb. 28 and March 7, 1981.
18. "Science in the Courtroom: Civil - Criminal; William Mitchell College of Law, St. Paul, Minnesota, March 26-27, 1981.
19. "From Sherlock Holmes to Quincy", Minnesota Division of the International Association for Identification, Mankato, Minnesota, August 28, 1981.
20. Crime Laboratory Capabilities, Minnesota Division of the Institute of Chemists, St. Paul, Minnesota, November 9, 1982.
21. "Expert Witnesses", Criminal Law Section Minnesota Bar Association, May 9, 1983.
22. "BCA Laboratory: New Advances and Services Available", Minnesota Chiefs of Police Association; Brooklyn Park, Minnesota; March 20, 1984.
23. Pass on the Torch: A Professional Responsibility", Midwestern Association of Forensic Scientists (MAFS) 1984 Fall Meeting; Des Moines, Iowa, Oct. 4, 1984.
24. "Sexual Assault Evidence & Bloodspatter Interpretation"; Criminal Law Section of the Minnesota State Bar Association; Minneapolis, Minnesota, May 16, 1985.
25. "Collecting, Preserving and Processing Physical Evidence"; Minnesota Institute of Legal Education, Bloomington, Minnesota, June 28, 1985.
26. "More Than Just the Rules of Evidence", Minnesota Institute of Legal Education, Bloomington, Minnesota, July 18, 1986.
27. "Forensics on Trial"; Hamline University School of Law Advanced Legal Education, Bloomington, Minnesota, August 4, 1988.

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28. "Forensic Serology: From DNA 'Fingerprinting' to Blood Spatters", St. Louis County Death Investigation Seminar; Superior, Wisconsin; October 14, 1988.
29. "Scientific Evidence: Current Capabilities"; Minnesota County Attorneys Association Basic Criminal Seminar; Bloomington, Minnesota; April 14, 1989.
30. "DNA, Blood Stains, and The New Crime Lab", The International Association of Women Police, 28th Annual Training Conference, St. Paul, Minnesota, Sept. 19, 1990.
31. "Technology in Policing", Leadership 2000, Rochester Area Chamber of Commerce, Rochester, Minnesota, March 14, 1991.
32. "DNA Update", 26th Annual Criminal Justice Institute, Minnesota State Bar Association, Bloomington, Minnesota, August 20, 1991.
33. "Murder Mystery", Newton's Apple, PBS Family Science Series, KTCA Twin Cities Public Television, Oct. 1991.
34. "Forensic Laboratory Services at Homicides", Minnesota Bureau of Criminal Apprehension, Homicide Investigation Seminar, St. Paul, Minnesota, May, 22, 1992.
35. "Forensic Science: From Sherlock Holmes to O.J. Simpson", Edina Scientist Youth Forum, Edina, Minnesota, Feb. 1, 1996.
36. "Courtroom Skills for Counsel and Witnesses: A Demonstration" and "Admissibility of Scientific Evidence", 32rd Annual Criminal Justice Institute, Bloomington, Minnesota, Aug. 26, 1997.

### PROFESSIONAL PRESENTATIONS - BLOODSPATTER WORKSHOPS AND LECTURES:

1. Illinois Blood Spatter Interpretation Institute, Joliet, Illinois, March 10-12, 1982.
2. Midwestern Association of Forensic Scientists (MAFS) Bloodstain Pattern Analysis Workshop, St. Paul, Minnesota, April 26-28, 1983.
3. Bloodstain Pattern Analysis Workshops; Metro-Dade Police Department Crime Laboratory; Miami, Florida, November 29-December 2 and December 6-9, 1983.

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4. "Blood Spatter Evidence at the Scene", The Western Conference Seminar on the Investigation of Missing Children; Blood, Blood Spatter and Stains & Homicides are Problems in Death Investigations; Wichita, Kansas, May 25, 1984.
5. Bloodstain Pattern Analysis Workshop; Michigan State Police Forensic Science Laboratory, Lansing, Michigan, April 16-19, 1985.
6. Bloodstain Pattern Analysis Workshop; Midwestern Association of Forensic Scientists (MAFS) and American Academy of Forensic Scientists (AAFS); St. Paul, Minnesota, Sept. 24-27, 1984.
7. Potential Use of Bloodstain Pattern Analysis", Douglas County Homicide Investigation School; Omaha, Nebraska, October 2, 1984.
8. Bloodstain Pattern Interpretation; Northeastern Association of Forensic Scientists (NEAFS); New York, N.Y.; Jan. 26, 1985.
9. Bloodstain Pattern Analysis Workshop; Midwestern Association of Forensic Scientists (MAFS); St. Paul, Minnesota.  

*Sept. 9-12, 1985	*April 27-May 1, 1992
*Sept. 8-12, 1986	*April 26-30, 1993
*April 27-May 1, 1987	*April 25-29, 1994
*April 25-29, 1988	*April 24-28, 1995
*April 24-28, 1989	*April 22-26, 1996
*April 23-27, 1990	*April 28-May 2, 1997
*April 15-19, 1991	*April 27-May 1, 1998
10. "Interpretation of Blood Splatters"; 1985 Alberta Medical Examiners's Symposium; Jasper, Alberta, Canada; Sept. 18, 1985.
11. Blood Spatter Workshop; Canadian Society of Forensic Scientists; Montreal, Canada; Sept. 23, 1985.
12. Bloodspatter Interpretation, Iowa's Law Enforcement Academy, Des Moines, Iowa; May 11, 1987.
13. "Blood Stain Pattern Analysis"; Hennepin County Medical Examiners Annual Forensic Science Seminar; October 27, 1988.



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14. "Bloodspatter Workshop/Tutorial", California Association of Criminalists, 74th Semi-Annual Seminar, Irvine, California, October 19, 1989.
15. "Bloodstain Pattern Analysis: Its' Role in Forensic Science", 38th Annual Meeting of the Canadian Society of Forensic Scientists jointly with S.O.F.T. and I.A.B.P.A., Montreal, Quebec, Sept. 27, 1991.
16. "Examination of Bloody Clothing", International Association of Bloodstain Pattern Analysts, Annual Conference, Colorado Springs, Colorado, Sept. 25, 1992.
17. "Bloodspatter Overview/Workshop", The Forensic Science Service, Chepstow, Gwent, U.K., December 9-10, 1992.
18. "Bloodspatter Evidence and Crime Scene Evidence", Minnesota County Attorney's Association, Scientific Evidence Seminar, Sept. 23, 1994 and May 12, 1995.
19. "Interpretation of Blood Spatters", Milwaukee County Medical Examiner's Office, 6th Annual Forensic Science Seminar, Milwaukee, Wisconsin, Sept. 29, 1994.
20. "Bloodspatter Overview/Workshops", The Forensic Science Service, Evesham, Worestershire, U.K., December 5-9, 1994.
21. "Bloodspatter Analysis", American Academy of Forensic Sciences, Multidisciplinary Symposium on the Uses of Forensic Science, Seattle, Washington, Feb. 14, 1995.
22. "Bloodspatter for Teachers", Forensic Science Seminar for High School Science Teachers, St. Cloud State University, St. Cloud, Minnesota, June 21, 1995.
23. "Bloodspatter Interpretation", Hennepin County Attorneys and Public Defenders, Minneapolis, Minnesota, March 22, 1996.
24. "Examination of Bloody Clothing", 1998 Arnold Markle Symposium, Ledyard (Foxwoods), Connecticut, March 23, 1998.

### COLLABORATIVE STUDIES AND SPECIAL COMMITTEES:

1. Microscopical Characterization of Glass Fragments by Emmons Double Variation method, Collaborative Study by the Association of Official Analytical Chemists (AOAC), Walter McCrone - Associate Referee; 1971-1973.

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2. The Minnesota Program for Victims of Sexual Assault, Medical Protocol Committee, St. Paul, Minnesota, LEAA Grant #4317013675, 1975-1977.
3. Forensic Microcopy Workshop Steering Committee. The Forensic Science Foundation, Rockville, Maryland, LEAA Grant #78NI-AX-0066, 1978-1979.
4. Criminalistics Section Award Renaming Committee, American Academy of Forensic Sciences, 1986-1987.
5. Minnesota Ad Hoc Committee on Infant Death, Multidisciplinary Committee Established to develop the Minnesota Infant Death Investigation Guidelines Form, 1990-1994.

## PUBLICATIONS:

1. Epstein, Barton and John Sonsteng, editors Science in the Courtroom: Civil - Criminal, William Mitchell Law Forums, St. Paul, Minnesota, copyright 1981.
2. Laber, Terry L. and Barton P. Epstein, Experiments and Exercises in Bloodstain Pattern Analysis, Callan Publishing Inc., St. Paul, Minnesota, 1983.