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CV of Dr. Mohammad Tahir

Mohammad Tahir

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MOHAMMAD ASHRAF TAHIR

Present Employer:

Indianapolis-Marion County Forensic Services Agency

Present Address:

40 South Alabama Street
Indianapolis, Indiana 46204
(317)327-3670 and 327-7307

Present Position:

Supervisor - DNA and Forensic Serology
November 1990 to Present.

Education:

Doctor of Philosophy in Forensic Immunology (1990).
University of Strathclyde, Royal College, Glasgow, Scotland, U.K.

Master of Science in Food Science and Microbiology (1976).
University of Strathclyde, Royal College, Glasgow, Scotland, U.K.

Master of Science with honors in Food Chemistry and Biochemistry (1973).
University of Agriculture, Faisal Abad Pakistan.

Bachelor of Science with honors in Agriculture (1970).
University of Agriculture, Faisal Abad, Pakistan.

High School (1965).
Government High School Maurusipur, Faisal Abad, Pakistan.

Specialized Training:

One year's extensive training at the Illinois State Police Training and Applications Laboratory, Joliet, Illinois in the area of Forensic Serology which includes hairs and fibers identification. (June 1978-May 1979)

Training in Forensic Microscopy from the McCrone Research Institute, Chicago, Illinois. (1978)

Training in "Introduction to Hairs and Fibers," at the FBI Academy, Quantico, Virginia. (1979)

Class at John Marshall Law School in Chicago, Illinois for "Officer In Court." (1979)

Training at Helena Laboratories on Enzymes, Chicago, Illinois. (1979)

Training on "Bloodstain Analysis" at Scotland Yard Forensic Science Laboratory, London, England. (1980)

Training in Court Room Demeanor at Loyola University and the Training and Applications Laboratory, Joliet, Illinois. (1981)

Training in "Gm and Km Blood Groups in Blood and Semen Stains" from Scotland Yard Forensic Science Laboratory, London, England. (1981)

Graduate credit training in "Bloodstain Spatters" from Professor Herbert L. Mac Donell of Elmira, New York, in Springfield, Illinois. (1981)

Post-It™ brand fax transmittal memo 7671		# of pages ▶
To	From <i>Dr. TAHIR</i>	
Co.	Co.	
Dept.	Phone #	
Fax #	Fax # <i>317-827-3693</i>	

Training in "Advanced Fiber Analysis" conducted by McCrone Research Institute at the Illinois Department of State Police, Training Academy, Springfield, Illinois. (1981)

Training in "Bloodstain Electrophoresis for Gc and Haptoglobin" at the Training and Applications Laboratory, Joliet, Illinois. (1981)

Training in Forensic Serology at the Training and Applications Laboratory, Joliet, Illinois. (1981)

Training in "Biochemistry and Genetic Markers in Human Semen" by Dr. George Sensabaugh of the University of California at Berkley held at the Minnesota Bureau of Criminal Apprehension. (1981)

Graduate 3 credit course from University of Virginia on "Biochemical Methods in Bloodstain Analysis" at the Federal Bureau of Investigations Academy, Quantico, Virginia. (1982)

Workshop by Dr. George Sensabaugh's on Body Fluids held at the Illinois Department of State Police, Training Academy, Springfield, Illinois. (1982)

Workshop in Advanced Serology held at the Springfield, Illinois Training Academy. (1982)

Workshop in Serology Casework Efficiency held at Springfield, Illinois Training Academy. (1983)

Training in Interpersonal Violence held by the Federal Bureau of Investigations at Bolingbrook Police Department, Bolingbrook, Illinois. (1983)

Training in Physical Match Examinations held at the Training and Applications Laboratory, Joliet, Illinois. (1984)

Training in Laboratory Safety and Health by U.S. Department of Labor, Occupational Safety and Health Administration, held at the Illinois Department of State Police Training Academy, Springfield, Illinois. (1985)

Workshop in High Resolution IEF conducted by Helena Laboratories, Des Plaines, Illinois. (April 1987)

Training in Stabhole Interpretation held at the Training and Applications Laboratory, Carbondale, Illinois. (May 1987)

Graduate 6 credit hours from University of Virginia for courses in "Forensic Applications of DNA Typing Methods" and "Laboratory Application of DNA Typing Methods" offered by the Federal Bureau of Investigation, FBI Academy, Quantico, VA. (1990)

Worked as a visiting scientist at the Federal Bureau of Investigation Academy, Forensic Science Research and Training Center, Quantico, VA for 4 months working on Amplified Fragment Length Polymorphism DNA. (January - April 1991)

Workshop in Amplitype HLA DQ Forensic DNA amplification offered by Cetus Corporation, Emeryville, CA. (April 1991)

Workshop in P-30, ABO and Lewis typing in body fluids using enzyme linked immunosorbent assay (ELISA), Midwestern Association of Forensic Scientists fall meeting in Grand Rapids, MI, USA. (October 1992)

Workshop in Amplitype polymarker forensic DNA amplification offered by Perkin Elmer Corporation, Forensic Training Program, Alameda, CA. (December 9, 1992)

Workshop in Deoxyribonucleic Acid (DNA) Autorad Interpretation by Midwestern Association of Forensic Scientists offered by Cellmark Diagnostics, Maryland, USA. (April 1993)

Course on Advanced Forensic Deoxyribonucleic Acid (DNA) Analysis at the Federal Bureau of Investigations Training Academy, Quantico, VA. (May 1993)

Class on Effective Management Skills offered by Marion County, Indiana. (June 1993)

Class on Introduction to Microcomputors at Indiana University Purdue University at Indianapolis. (September 1993)

Class on Introduction to IBM PC/DOS at Indiana University Purdue University at Indianapolis. (September 1993)

DNA typing with STR at Promega Corporation, Madison, Wisconsin. (February 27-28, 1995)

Florida DNA Training Session III - Advanced PCR applications. (May 22-24, 1995)

Introduction to Windows 3.1, offered by Absolute Professional Computer Training. (November 1995)

**Professional
Experience:**

November 1990 to Present: Indianapolis-Marion County Forensic Services Agency as Supervisor - DNA and Serology Section.

June 1978 to November 1990: Illinois State Police Suburban Chicago Forensic Science Laboratory 2873 S. 25th Ave., Broadview, IL, 60153, as Serology Section Leader.

1984 to 1986: Quality Assurance Coordinator for the entire state of Illinois, State Police Laboratory System.

July 1977 to June 1978: Youngstown Police Department, Youngstown, Ohio as Crime Laboratory Technician.

October 1973 to October 1975: Pakistan Council of Scientific and Industrial Research Laboratories, Lahore, Pakistan as Research Fellow.

January 1973 to October 1973: Pakistan Food Industries, Lahore, Pakistan as Production Manager.

Professional Organizations:

Midwestern Association of Forensic Scientists (member)
Forensic Science Society of Great Britain (member)
American Academy of Forensic Sciences (fellow)
International Association of Forensic Sciences (member)

TWGDAM - Technical Working Group for DNA Analysis (member)
Association of Pakistani Scientists and Engineers of North America (Treasurer 1989, 1990)
Journal Science International (Member of Editorial Board)
Association of Pakistani scientists and engineers of North America Chicago Chapter (Vice President 1990 - 1991)

DNA Co-ordinator for Midwestern Association of Forensic Scientists (1991-93)

Awards:

Awarded Deputy Director's Merit Award from the State of Illinois, Department of State Police, during 1980 for an outstanding job in the area of Forensic Serology.

Illinois Department of Law Enforcement Commendation (1983)

Received "Distinguished Service Award" from Midwestern Association of Forensic Scientists for significant contributions to the advancement and practice of forensic science. (1990)

Advisor/Consultant to the government of Pakistan, under the United Nations, to set up a forensic science laboratory for Federal Police-Islamabad. (January - February 1984)

Advisor/Consultant to the Pakistan Council of Scientific and Industrial Research Laboratories, (PCSIR), Lahore, Pakistan, under the United Nations, to set up a Forensic Science Research Unit. (February 1984)

Invited by the government of Pakistan to teach a course on Introduction to Forensic Serology at Ayub Medical College, Abbott Abad, PCSIR Laboratories and Peshawar Police, Pakistan. (1985 - 1986)

Invited by the government of Punjab, Chemical Examiner's Laboratory to help in technical matters and to set up serology unit under the United Nations. (1989)

Publications:

1. "MN Typing of Dried Bloodstains" Journal of Police Science and Administration Vol. 10, No. 1, pp 74-75. (March 1982)
2. "A Modified Method of Absorption Elution for A and B Antigens by Ammonia Extraction of Dried Bloodstains" Journal of Police Science and Administration Vol. 9, No. 1, pp 45-47. (March 1981)
3. "A Modified Technique for Rho(D) Typing of Dried Bloodstains" Journal of

4. Police Science and Administration Vol. 8, No. 2, pp 145-147. (June 1980)
"Erythrocyte Acid Phosphatase in Human Hair Root Sheaths" Journal of Forensic Sciences Vol. 29, No. 1, pp 64-66. (Jan. 1984)
5. "Alternative Buffer Systems for Seminal Acid Phosphatase Electrophoresis" Canadian Society of Forensic Science Journal Vol. 16, No. 1, pp 1-5. (1983)
6. "Blood Grouping in a Sexual Assault Case Criteria and Methodology for Genetic Marker Analysis" Journal of Forensic Sciences Vol. 29, No. 2, pp 660-662. (April 1984)
7. "Development of a Radial Gel Diffusion Technique for the Identification of Urea in Urine Stains" Journal of Forensic Sciences Vol. 29, No. 2, pp 601-606. (April 1984)
8. "Sex Determination of Hairs by Cortical Cell Nuclei Sex Chromatin Staining" Canadian Society of Forensic Science Journal Vol. 17, No. 1, (1984)
9. Simultaneous Typing of Erythrocyte Acid Phosphatase (EAP) Adenosine Deaminase (ADA), Adenylate Kinase (AK) in Human Hair Root Sheaths." Journal of Forensic Science Society, Vol. 26, pp. 335-339. (1986)
10. "Microdetermination of Morphine in Urine" Analytical Letters 13(B18), pp 1635-1639. (1980)
11. "Volumetric Determination of Codeine in the Presence of Morphine" Fresenius Z Analytical Chemistry, pp. 416. (1979)
12. "Gm (11) Grouping of Dried Bloodstains" Journal of Forensic Sciences Vol. 20, No. 4, pp 1178-1182. (1984)
13. "Identification of Fast Moving Seminal Acid Phosphatase in a Sexual Assault Case." Journal of Forensic Science Society, Vol. 24, pp 553-556. (1984)
14. "An Extraction Procedure for Seminal/Vaginal Stains to Eliminate Streaking in the Electrophoresis of Phosphoglucosmutase" Crime Laboratory Digest, Vol. 12, No. 2. (April 1985)
15. "Erythrocyte Acid Phosphatase (EAP) by Isoelectric Focusing in Human Hair Root Sheaths." Act. Crim. Japon 55(5): 213-218 (1989).
16. "Typing of Peptidase A in Dried Blood and Semen Stains Using Agarose Gel." Act. Crim. Japon; 55(3): 90-94 (1989).
17. "Studies on the Pectinesterase Activity and Some Chemical Constituents of Some Pakistani Mango Varieties During Storage Ripening" Journal of Agricultural Food Chemistry; 29, pp 526-528. (1981).
18. "Pectinesterase (PE) activity in Component Parts of Jaffa Oranges During Ripening" Pakistan Journal of Scientific Research Vol. 27, No. 1-4, pp 59-60. (1975)
19. "The Activity of Pectic Enzymes (Pectinesterase, Polygalacturonase) in Various Mango Products" Pakistan Journal of Scientific Research, Vol. 29, pp 71-74. (1977)
20. "Effect of Growth on Pectinesterase, Vitamin C, and Protein Contents of Tomato" Pakistan Journal of Scientific Research, Vol. 30, pp 8-10. (1978)
21. "Effect of Ad Libitum, Maintenance and Submaintenance Feeding and of Compensatory Growth on some Biochemical Properties of Muscle from Weaning Rabbits" The Journal of Nutrition, Vol. 111, No. 8, pp 1343-1352. (1981)
22. "Decomposition With Various Food Additives of Residual Hydrogen Peroxide Used For the Preservation of Raw Milk" The Australian Journal of Dairy Technology, pp 64-67. (June 1975)
23. "The Preservation of Milk by Hydrogen Peroxide", Master of Science Thesis, University of Strathclyde, Glasgow, Scotland, U.K. 1976.

24. "Le^a, Le^b Secretor?" Science International 1 (3) pp 211-212 (1989).
25. "Studies on D' Positive Antigen in Dried Bloodstains". In the process of publishing.
26. "Alternative Buffer Systems for Lactate Dehydrogenase (LDH) for the Identification of Menstrual Blood." Science International 1 (3) pp 215-218 (1989).
27. "Studies on the Development and Keeping Qualities of New Food Products from Sweet Lime". Science International 6 (1) pp 67-71 (1994).
28. "Comparison Studies on ABO Blood Grouping by Howard Martin, and Ammonia Techniques In Dried Bloodstains". In the process of publishing.
29. "ABO Typing of Dried Bloodstains Mixed with Body Fluids by Methanol Extraction". Science International 1 (2), pp 152-156 (1988).
30. "An Alternative Buffer System for Group Specific Component (Gc) Electrophoresis". Science International 1 (3) pp 211-221 (1989).
31. "Genetic Markers in Sarcoidosis. A study of blood group types and selected blood enzymes". Science International 1. (1) pp 85-87 (1988).
32. Gm (3) typing of dried nasal secretion stains by enzyme linked immunosorbent assay (ELISA). Act. Crim. Japon, 58(6):236-242 (1992).
33. Typing of Gm(3) markers from dried saliva stains by Enzyme-Linked Immunosorbent Assay (ELISA). (In the process of publication.)
34. Gm (1) typing of dried blood and semen stains by Enzyme-Linked Immunosorbent Inhibition Assay. (In the process of publication.)
35. Separation of Gm markers from vaginal/semen mixtures by affinity chromatography and type them by Enzyme-Linked Immunosorbent Assay. (In the process of publication.)
36. Detectability of Haptoglobin in aged bloodstains. Science International 5 (3) pp 263-264 (1993).
37. Gm (3) typing of dried blood and semen stains by double antibody sandwich Enzyme-Linked Immunosorbent Assay. (In the process of publication.)
38. Identification of human blood by Enzyme-Linked Immunosorbent Assay. (In the process of publication.)
39. Typing of DNA HLA-DQ α Alleles Extracted from Human Nail Material using polymerase chain reaction. Journal of Forensic Sciences, JFSCA, Vol. 40, No. 4, July 1995. pp 622-624
40. "Restriction Fragment Length Polymorphism (RFLP) Typing of Deoxyribonucleic Acid (DNA) Extracted from Nasal Secretions". Journal of Forensic Sciences, JFSCA, Vol. 40, No. 3, May 1995. pp 457-461
41. "Deoxyribonucleic Acid Profiling by Restriction Fragment Length Polymorphism Analysis - A Compilation of Validation Studies", accepted for publication in Journal of the Forensic Science Society.
42. Deoxyribonucleic acid (DNA) HLA-DQ α Allele frequency distribution in various sects of South Indian populations. "Advances in Human Genetics 5, Edited by W. Bar, A. Flori and U. Rossi", Fifth Congress of the International Society for Forensic Haemogenitics, Venezia, 13-15 October 1993. Pages 593-595.
43. Distribution of HLA-DQ α Alleles in Deoxyribonucleic acid (DNA) from Caucasian and Black populations of Marion County, Indiana, USA. "Advances in Human Genetics 5, Edited by W. Bar, A. Flori and U. Rossi", Fifth Congress of the International Society for Forensic Haemogenitics, Venezia, 13-15 October 1993. Pages 596-598.
44. Importance of Reagent Quality Control in DNA RFLP Analysis. (Submitted for publication in Journal of Forensic Sciences.

45. Deoxyribonucleic acid polymerase chain reaction (PCR) typing of HLA-DQ α - A validation studies according to TWGDAM guidelines. (In the process of publication.)
46. "Deoxyribonucleic Acid (DNA) Restriction Fragment Length Polymorphism (RFLP) Analysis - A Comparison: Spermine Precipitation vs. Nick Column Probe Cleanup", submitted for publication in Crime Laboratory Digest.
47. "The Development of a Deoxyribonucleic Acid (DNA) Restriction Fragment Length Polymorphism (RFLP) Database for Punjab in East Punjab, India". Accepted for publication in Journal of Forensic Science International.
48. The Effect of Fabric Substrates on typing of ABO blood groups from bloodstains. Science International 4 (4) pp 395 (1992).

Presentations:

Presented paper titled, "Gm (11) Grouping of Dried Bloodstains" at the Midwestern Association of Forensic Scientists Fall Meeting in Peoria, Illinois. (1983)

Presented paper titled, "Development of a Radial Gel Diffusion Technique for the Identification of Urea in Urine Stains" at the International Symposium held at the Federal Bureau of Investigations Academy on "Analysis of Sexual Assault Evidence". (July 1983) and at the American Academy of Forensic Science Annual Meeting in Anaheim, California (1984).

Presented paper titled "Identification of Fast Moving Seminal Acid Phosphatase in a Sexual Assault Case" at the 10th meeting of the International Association of Forensic Sciences held in Oxford, England. (September 1984)

Presented paper titled "Alternative Buffer Systems for Lactate Dehydrogenase (LDH) for the Identification of Menstrual Blood" at the International Symposium held at the Federal Bureau of Investigations Academy, Quantico, Virginia on "Forensic Applications of Electrophoresis". (June 1984)

Presented paper titled "Simultaneous typing of Erythrocyte Acid Phosphatase (EAP) Adenosine Deaminase ADA, and Adenylate Kinase (AK) in Human Hair Root Sheaths" at the International Symposium held at the FBI Academy, Quantico, Virginia on "Forensic Applications of Hair Analysis". (July 1985)

Presented paper titled "The Development of an Enzyme-Linked Immunosorbant Assay for Gm(1) for Typing Semen and Bloodstains" at the International Symposium held at the Federal Bureau of Investigations Academy, Quantico, Virginia. (1986)

Presented paper titled "ABO Typing of Dried Bloodstains Mixed With Body Fluids by Methanol Extraction" at the International Symposium on Forensic Immunology at the FBI Academy, Quantico, Virginia, USA. (1986)

Presented paper titled "Erythrocyte Acid Phosphatase (EAP) by Isoelectric Focusing in Human Hair Root Sheaths" at the American Academy of Forensic Sciences Annual Meeting in Philadelphia, Pennsylvania. (1987)

Presented paper titled "Gm (3) typing of semen stains by Enzyme-Linked Immunosorbent Assay" at the 12th meeting of the International Association of Forensic Sciences held in Adelaide South Australia. (October 1990)

Presented paper titled "Gm(3) Typing of Dried Nasal Secretions Stains by Enzyme Linked Immunosorbent Assay (ELISA)" at the American Academy of Forensic Sciences annual meeting in New Orleans, Louisiana, USA. (1992)

Presented paper titled "Typing of Deoxyribonucleic Acid (DNA) HLA-DQ α Allele Extracted From Human Nail Material Using Polymerase Chain Reaction" at Promega International Symposium on Human Identification in Phoenix, Arizona, USA. (1992)

Presented paper titled "Typing of Deoxyribonucleic Acid (DNA) HLA-DQ α Allele Extracted From Human Nail Material Using Polymerase Chain Reaction" at Midwestern Association of Forensic Scientists fall meeting in Grand Rapids, Michigan, USA. (October, 1992)

Presented paper titled "An Improved Method for Identifying α Amylase Activity in Saliva Stains Determined by Starch-Iodine Reaction in Solution and Radial Gel Diffusion" at the Midwestern Association of Forensic Scientists fall meeting in Grand Rapids, Michigan, USA. (October, 1992)

Presented paper titled "Effect of Fabric Substrates on ABO Agglutination on Bloodstains" at the Midwestern Association of Forensic Scientists fall meeting in Grand Rapids, Michigan, USA. (October, 1992)

Presented paper titled "Distribution of HLA DQ α Alleles in Deoxyribonucleic Acid (DNA) From Caucasian and Black Populations of Marion County, Indiana, USA at the International Symposium on forensic aspects of DNA analysis at FBI Academy, Quantico, VA, USA. (March 29-April 2, 1993)

Presented paper titled "Typing of Deoxyribonucleic Acid (DNA) HLA-DQ α Allele Extracted From Human Nail Material Using Polymerase Chain Reaction" at International Symposium on forensic aspects of DNA analysis at the FBI Academy, Quantico, VA, USA. (March 29-April 2, 1993)

Presented paper titled "Restriction Fragment Length Polymorphism (RFLP) typing of Deoxyribonucleic acid (DNA) extracted from Nasal Secretions". Presented at all Pakistan Science Conference held at Achison College, Lahore, Pakistan, December 1993.

Presented paper titled "Getting started with DNA Analysis in Indianapolis-Marion County Laboratory" at First International Forensic Experts Conference on International Methods of Forensic DNA analysis in Dubai, UAE, January 8-10, 1993.

Presented paper titled "Deoxyribonucleic Acid (DNA) Typing of the HLA-DQ α and Polymarker (LDLR, GC, GYPA, HBGG, and D7S8) Alleles from Arab and Pakistani Populations living in Abu Dhabi. Presented at the Promega International Symposium on Human Identification, Scottsdale, Arizona, October 1994.

Presented paper titled "Restriction Fragment Length Polymorphism (RFLP) Typing of Deoxyribonucleic Acid (DNA) Extracted from Nasal Secretions. Presented at the Promega International Symposium on Human Identification, Scottsdale, Arizona, October 1994.

Teaching
Experience:

Presented paper titled "Deoxyribonucleic Acid (DNA) Profiling by Restriction Fragment Length Polymorphism (RFLP) Analysis - A Compilation of Validation Studies from the Indianapolis-Marion County Forensic Services Agency - presented at the Promega International Symposium on Human Identification, Scottsdale, Arizona, October 1994.

Taught a six-week course in Pakistan to scientists and lecturers from Ayub Medical College, PCSIR Laboratories and Peshawar police on forensic serology. (1985-86)

Routine teaching to police officers from various police agencies on "Evidence Collection and Packaging Procedures".

Teach and supervise, on a periodic basis, graduate and undergraduate students from various universities from USA and overseas. (Approximately 1 dozen Graduate and Under Graduate students supervised for their research.)

Supervised one post doctoral research fellow.

Teach new techniques on a regular basis to forensic scientist trainees and fellow scientists.

Taught a course on IEF at the Columbus Police Department, Columbus, Ohio. (June 1987)

Taught a course on Gm/Km Typing of Dried Blood and Semen Stains to serologists from the Illinois State Police, held at Sangamon State University, Springfield. (July 1986)

Taught a course on Gm Typing of Dried Bloodstains to serologists from the Illinois State Police, held at the University of Illinois-Chicago. (July 1987)

Taught course on IEF for dried blood and semen stains at Tri-State Labs, Youngstown, Ohio. (June 1988)

Part-time member of the teaching staff at the University of Illinois-Chicago, Department of Criminal Justice. (1987-1990)

Moderated the DNA Section papers at the Midwestern Association of Forensic Scientists fall meeting in Grand Rapids, MI, USA. (October 1992)

Taught course on DNA analysis (DQ α and Polymarker Typing) at "Arab Security Studies and Training Center" Riyadh, Saudi Arabia, July 19 - August 16, 1994.

Trained one scientist from Abu Dhabi (UAE) for 9 months in DNA analysis, 1994.

Taught a 4 week course on DNA HLA-DQ α and polymarker typing of forensic samples by polymerase chain reaction (PCR) sponsored by United Nations Development Program. This course was taught to professors from Allama Iqbal Medical College, King Edward Medical College, Lahore, Pakistan (March 10-April 1995)

Taught a week course on DNA typing of polymarker sponsored by Midwestern Association of Forensic Scientists. (May 1995)

Taught a course on Deoxyribonucleic Acid (DNA) "Polymerase Chain Reaction (PCR) typing of HLA-DQ α and polymarker from blood and other body fluids for forensic purposes" at Central Forensic Science Laboratory and Bose Institute, Calcutta, India. (September 13-20, 1995)

Taught a course on Deoxyribonucleic Acid (DNA) "Polymerase Chain Reaction (PCR) typing of HLA-DQ α and polymarker from blood and other body fluids for forensic purposes" at Arab Security Studies and Training Center, Riyadh, Saudi Arabia. (September 21 to October 11, 1995)

Taught a course on Deoxyribonucleic Acid (DNA) "Polymerase Chain Reaction (PCR) typing of HLA-DQA-1 and polymarker from blood and other body fluids for forensic purposes" at the 2nd International Forensic Experts Conference sponsored by Dubai Police, United Arab Emirates. (January 10 to January 13, 1996)

Four scientists are in DNA training at present.

Technical Auditor:

Audited Indiana State Police Crime Laboratory DNA Unit according to TWGDAM Guidelines for accreditation purposes. (1994)

Audited Michigan State Police Crime Laboratory DNA Unit according to TWGDAM Guidelines for accreditation purposes. (September 1-3, 1995)

Audited Wisconsin Department of Justice Madison Crime Laboratory DNA Unit according to TWGDAM Guidelines for accreditation purposes. (December 18-19, 1995)

Audited Wisconsin Department of Justice Milwaukee Crime Laboratory DNA Unit according to TWGDAM Guidelines for accreditation purposes. (December 20-21, 1995)

Case work Experience:

Received physical evidence from law enforcement agencies regarding criminal cases analyzed in the area of forensic serology, issued thousands of reports about my analytical findings and later testified in courts of law if called.

Court Testimony:

Have testified in courts of law as an expert over 300 times.

March 24 April 30th

1. 2 control samples of Eberling's blood on cloth

2. Sample of wood chips

3. Box #1 - B-1(a) - B-1(z)

Microscopic slides

A # TE 101 from pocket at rear Fiber

B # TE 101 Fiber patch

C # TE 100(c) Fiber from green bag

d TE 101 from at rear pocket

e 106 Hair wool sock foot

F 106? Hair after " "

G ? inner sole - outer heel of mous loafers

H 101 at cuff

I 156(A) Fiber from wrist band of canvas glove

j ? ^{Fiber} lower edge below last lower at side desk

K 100(A) fiber - man's watch

L ? Hair - left hand 4th finger

M ? Fiber - from tree

N 104 Hair On Mattress

O 103 102 or 108 Hair - on Mattress

P 103 Hair - On Mattress

" " " "

Q " " " "

R " " " "

S 98 Hair on left 4th finger

T 97 Hair on Head

U 97 Hair from sample Head

V 97 " " "

W " " " "

X " " " "

Y 92 " " "