

**First Report of the
Independent Investigator
for the
Houston Police Department
Crime Laboratory and Property Room**

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Independent Investigator**

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April 29, 2005

Investigative Team

Independent Investigator

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Fried Frank Team

Tommy P. Beaudreau
Jennifer M. Wollenberg
Michelle Hand-Arevalo

Scientific Advisory Board

Margaret C. Kuo
Orange County Sheriff-Coroner 's Office (ret.)

Douglas M. Lucas
Centre of Forensic Sciences of the Province of Ontario, Canada (ret.)

Bruce W. Vander Kolk
Illinois State Forensic Sciences Command (ret.)

Forensic Scientists

Robert P. Bianchi
DEA Special Testing and Research Laboratory (ret.)

Roger J. Bolhouse
Michael Sinke
Speckin Forensic Laboratories

Michael A. Evans, Ph.D.
Patricia P. Hamby
American Institute of Toxicology Laboratories

Edward E. Hueske
Arizona Department of Public Safety (ret.)

Karen L. Irish
Forensic Services Section, Baltimore County Police Department (ret.)

Carll Ladd, Ph.D.
Connecticut Forensic Laboratory

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Orchid Cellmark

Introduction

This is the First Report of the Independent Investigator for the Houston Police Department ("HPD") Crime Laboratory and Property Room. We plan to issue comparable reports at the end of May 2005 and the end of June 2005 to advise the City and the public of our initial progress in fulfilling the mandate to conduct a comprehensive independent investigation of the Crime Lab and Property Room.

In early February 2005, the Stakeholders Committee -- a Committee created by HPD Chief Harold L. Hurtt and composed of Houston-area public officials, civil rights advocates, academics, attorneys, and scientists -- selected our team of lawyers and forensic scientists to perform a comprehensive, independent investigation of HPD's Crime Lab and Property Room. On March 30, 2005, the Houston City Council approved a contract authorizing us to conduct this investigation.¹

Pursuant to our agreement with the City of Houston (the "City") and HPD, our investigation into the management, operations and performance of the Crime Lab and Property Room is divided into two phases.

During Phase I, which began on March 30, 2005, we have begun the process of gathering facts related to the current and historical operations and practices of the Crime Lab and Property Room. This fact-gathering and analysis is designed to lead, in consultation with HPD, to the development of a detailed plan for Phase II of the investigation. We have committed to completing Phase I within 90 days -- *i.e.*, by June 30, 2005. In addition to developing the plan for Phase II, we also have committed -- to the Crime Lab, HPD, Chief Hurtt, the City Council, and the Stakeholders Committee -- to issue public reports on a monthly basis during Phase I. All of these groups have agreed that this kind of transparency is a critical component of our work. This is our first report, which covers the period March 30, 2005 through April 22, 2005.

¹ Curricula vitae for each of the three members of our Scientific Advisory Board are appended to this report at Attachments A through C. Information regarding the backgrounds and experience of all of the members of our investigative team will be available on our web site, which we currently are in the process of establishing.

Phase II will involve reviewing a sample composed of a large number of individual cases analyzed by the Crime Lab during defined time periods, which will be drawn from each of the forensic science disciplines employed by the Crime Lab.² These cases will be reviewed by our team of forensic scientists and evaluated with reference to internal Crime Lab standards as well as applicable standards and practices generally accepted within the forensic community at the time the analyses were conducted. During Phase II, we will issue quarterly reports regarding the status of the investigation and our findings to date as well as report monthly to the Stakeholders Committee. At the end of our investigation, we will issue a comprehensive report that will document the findings we have made during the investigation regarding the historical practices within the Crime Lab and Property Room, as well as contain recommendations, based on our team's expertise and our observations of the Crime Lab, intended to assist HPD in putting the Crime Lab on a trajectory to become a first-rate forensic science laboratory that has the full confidence of the citizens of Houston.

We have been conducting the investigation for only three weeks. Accordingly, it is far too early for us to begin submitting even preliminary factual findings based on the investigative work performed to date. This report, therefore, provides (1) a brief chronology of some of the events that preceded the decision by HPD and the City to commission an independent investigation of the Crime Lab and Property Room, and (2) a progress report describing in general terms the work we have completed to date.

Background

The public crisis that eventually led to the hiring of an independent investigator to review the Crime Lab's operations began on November 11, 2002, with the first in a series of investigative news reports that aired on KHOU-Channel 11, a local Houston television station. These television news reports, which were reported to be the product of a three-month investigation performed

² HPD's initial estimate for the number of case reviews we will conduct is 1,966. We have not yet reviewed the methodology and statistical calculations used by HPD to arrive at this global number, nor how HPD arrived at the number of cases to be reviewed in the specific areas of the Crime Lab's operations. We will conduct this review during Phase I and discuss with HPD any proposal we may have for raising or lowering the number of case reviews that should be conducted during Phase II.

by KHOU in consultation with outside forensics scientists, severely criticized the forensic analysis performed by the DNA/Serology section of the Crime Lab in a number of specific cases.

Within a month of the airing of the first of these news reports, Acting Chief of Police Timothy Oettmeier commissioned an outside review of the Crime Lab's DNA/Serology section. Representatives from the Texas Department of Public Safety Crime Lab Headquarters and the Tarrant County Medical Examiner's Office performed an audit of the Crime Lab's DNA/Serology section over the course of two days, December 12 and 13, 2002. In December 2002, soon after the completion of this audit and based on the preliminary oral report of the auditors prior to the issuance of their final audit report, HPD suspended the performance of all DNA analysis by the Crime Lab. The final report documenting the audit's findings was issued on January 10, 2003. DNA analysis work by the Crime Lab has remained continuously suspended to this day.

In early 2003, HPD, in close consultation with the Harris County District Attorney's Office, began a time-consuming process of identifying all cases in which some form of DNA analysis had been performed by the Crime Lab. This process evolved into a long-term retesting project coordinated between HPD, the Harris County District Attorney's Office and outside DNA laboratories, which has identified for retesting a total of 407 criminal cases involving DNA analysis performed by the Crime Lab.

On or about February 21, 2003, Donald Krueger, the head of the Crime Lab, retired after serving in that capacity for approximately eight years. Following Mr. Krueger's retirement, Robert Bobzean, a senior manager in the Crime Lab, took over leadership of the Crime Lab on an interim basis. In mid-July of that year, Frank Fitzpatrick of the Orange County (California) Sheriff-Coroner's Office was appointed Interim Director of the Crime Lab as part of a contract entered into by the City of Houston with the National Forensic Science Technology Center ("NFSTC"), a non-profit entity whose mission, according to its web site, is "to provide quality systems support, training and education to the forensic science community in the United States."³ During the course of its consultation with the Crime Lab, the NFSTC produced written evaluations of various aspects of the Crime Lab. In October 2003, questions arose related to the performance of the toxicology section of the Crime Lab, which led to the

³www.nfstc.org/aboutus.htm.

suspension that month of toxicological analysis by the Crime Lab. Also in October 2003, Irma Rios was appointed to be the new permanent head of the Crime Lab. Ms. Rios had been with the Texas Department of Public Safety crime laboratory system for over nineteen years and was a member of the outside audit team that reviewed the Crime Lab's DNA/serology section in December 2002.

On or about September 1, 2004, Chief Hurtt announced that HPD would seek an independent review of the Crime Lab. In November 2004, the Stakeholders Committee met for the first time, and on December 2, 2004 the City issued a Request for Proposals to conduct an independent review of the Crime Lab and Property Room. On February 2, 2005, the Stakeholders Committee announced its selection of an independent investigator at a press conference held at the Houston Bar Association.

Status of the Investigation

During the period covered by this report, we began our investigation by, among other things, requesting, gathering and beginning our review of relevant documents; interviewing current and former Crime Lab and HPD personnel; consulting on a weekly basis with our Scientific Advisory Board; and establishing our secure office space and infrastructure. Since beginning our work, we also have met with five members of the Houston City Council and made preliminary contacts with Representative Kevin Bailey and Senator John Whitmire in order to answer questions that public officials may have regarding this investigation.

A. Documents

On April 4, 2005, we submitted a letter to HPD containing thirty-six specific document requests. As stated in the April 4, 2005 letter, our requests for documents are intended to be construed very broadly to include all manner of communications containing information responsive to the requests, including but not limited to correspondence, memoranda, reports, journals, manuals, hard copy paper files, e-mail, computer files, electronic databases and videotapes. On April 4, 2005, we also provided HPD with a letter requesting that it take steps to ensure that all materials potentially relevant to our investigation be preserved. The head of the Crime Lab also has consented to our request to have access to materials related to the accreditation process the Crime Lab currently is undergoing through the American Society of Crime Laboratory Directors / Laboratory Accreditation Board ("ASCLD/LAB"), which is a voluntary program

in which a crime laboratory may participate to demonstrate its operations and procedures meet certain established standards.

We have held several meetings regarding our document requests with representatives of various components within HPD, including the Crime Lab, the Property Room, the Crime Lab Recovery Unit, Legal Services, the Internal Affairs Division, the Technology Services Command, the Human Resources Division, Budget and Finance, and the group of HPD personnel responsible for coordinating the DNA retesting project. HPD has been very cooperative in terms of providing access to relevant documentation, and we are pleased with the flow of information at this early stage in the investigation. We are proceeding expeditiously to review and digest the documentary material provided by HPD and the Crime Lab thus far.

B. Interviews

During the three-week period covered by this report, we have interviewed a total of 20 people, including current and former Crime Lab personnel, HPD officers, and a representative from the Harris County District Attorney's Office. We have found current HPD and Crime Lab personnel to be extremely helpful and generous with their time. Many of these interviews have been lengthy because of the scope of the information we are seeking, with several interviews extending to more than four hours. During the week of April 18, two of our forensic scientists participated in a number of interviews. Each Monday afternoon, we brief our Scientific Advisory Board, comprised of three very experienced senior scientists and crime laboratory managers, on the status of the investigation and information we have learned through interviews and documents, and we receive the Board's input and advice.

We also held a meeting with all available current Crime Lab personnel to introduce ourselves, describe the interview process, demystify our investigation, and answer any questions they had about our investigation. In addition, we underscored the importance of our being able to obtain the independent recollections of each and every Crime Lab employee and cautioned them about the hazards to our investigation posed by their speaking to each other about the substance of our interviews. We also encouraged Crime Lab personnel to affirmatively contact us to share important and relevant information.

A number of the key figures with knowledge of the central issues we have been directed to explore are no longer with HPD or the Crime Lab. We already have attempted to contact several, but by no means all, of these key former

personnel, and so far we have been met with mixed results. We have interviewed all three former senior Crime Lab employees whom we have been successful in contacting and who have agreed to speak with us. Their contributions to our work have already been very substantial, and we have expressed our sincere appreciation for their assistance. Certain other key former Crime Lab personnel, including senior supervisors or managers, either have not yet responded to our attempts to contact them or so far have refused our requests for interviews.

The recollections and perspectives of former Crime Lab personnel and former HPD officers and executives in the chain of command over the Crime Lab are central to our efforts to develop a complete and balanced picture of the challenges and problems that have confronted the Crime Lab over time. We believe strongly that these former HPD personnel bear a responsibility to HPD, to current Crime Lab personnel, and to the City of Houston to assist with our efforts to identify and remedy problems that existed in the Crime Lab and to restore the Crime Lab's reputation. While we understand and appreciate how heavily the burdens of the past 30 months of turmoil weigh on people who have worked in the Crime Lab, we simply do not accept the notion that retirement or resignation is a license to avoid assisting us with our work. We will use all means within our power to obtain relevant information from former Crime Lab and HPD personnel.

C. Infrastructure

The City and HPD have agreed to provide us with adequate office space, facilities and equipment necessary to support the performance of the Crime Lab investigation. We now have secure and suitable office space, computer terminals that permit access to our firm's e-mail network, a printer and access to a photocopier, and credentials permitting access to our office. Although establishment of the necessary infrastructure has not yet been completed, substantial progress has been made over the past three weeks and HPD has been diligent and responsive in this area.

Conclusion

Major investigations are frequently delayed at the outset -- sometimes quite substantially -- because of organizational and logistical obstacles that take extended periods of time to overcome. We are extremely pleased that we have not suffered such delays and have been able to get off to a fast start. We have

made excellent progress to date and are quite satisfied with the level of cooperation we have received from HPD and the Crime Lab during the first three weeks. Because of that cooperation and the amount of progress we have made to date, we are on track to complete Phase I of our investigation by June 30, 2005.

A handwritten signature in black ink, appearing to read "M. R. Bromwich", written over a horizontal line.

Michael R. Bromwich

Independent Investigator

Fried, Frank, Harris, Shriver & Jacobson LLP

April 29, 2005

ATTACHMENT A

**Curriculum Vitae of
Margaret C. Kuo, retired Deputy Director, Forensic Science Services
Orange County Sheriff-Coroner, Santa Ana, CA**

8372 Bonnie Brae Drive, Buena Park, CA 90621

TEL: 714-994-3134

E-MAIL: margaretkuo@sbcglobal.net

EDUCATION

- Bachelor of Arts, Chemistry, Winthrop College, South Carolina, 1966.
- Master of Science, Chemistry, University of Illinois, Urbana, Illinois, 1968.
- Graduate course work in Education, 10 units, University of Illinois, 1968-1969.

EMPLOYMENT

2001 - present Retired. Contractor, CA Dept. of Justice, Cold Hit Program. Responsible for conducting DAB audits of public forensic DNA laboratories in CA and any private forensic laboratories that contract with CA DOJ.

1997- 2001. Deputy Director, Forensic Science Services, Orange County Sheriff-Coroner. Responsible for the management of Identification Bureau and support services.

1980 - 1997. Assistant Director (Chief Criminalist), Forensic Science Services, Orange County Sheriff-Coroner. Responsible for the management of the Criminalistics Laboratory (crime scene investigation, controlled substance, trace evidence, firearm, documents, serology, and DNA) operation, policy-making, budget, recruitment, etc. Also includes dual responsibility for Identification and Criminalistics 1985-86; and for Toxicology and Criminalistics 1995- 97.

1978 - 1980. Supervising Criminalist, Orange County Sheriff-Coroner. Supervisor of the major crime section including crime scene investigation, serology, and trace evidence. Casework activities include blood stain analysis, sexual assault evidence evaluation, paternity blood testing, and crime scene investigation.

1974 - 1978. Criminalist/Senior Criminalist, Orange County Sheriff-Coroner. Casework experience: blood alcohol analysis, H&S 11550 and driving toxicology, blood and urine analysis by RIA, TLC, UV, GC, PC, and GC/MS (morphine/codeine), solid dose analysis by UV, IR, GC, GC/MS, microcrystalline test, serology, typing of blood and semen by electrophoresis, and crime scene investigation. Qualified in Municipal and Superior Courts in all the above areas.

1972 - 1974. Applications Chemist, Beckman Instruments, Fullerton, California. Prepared methods on the application of UV Spectrophotometer in clinical laboratory testing; worked on the development of radioimmunoassay kits for clinical diagnosis.

1970 - 1972. Quality Control Chemist, Abbott Laboratories, South Pasadena, California.

Quality control testing of the raw materials and manufactured products of clinical diagnostics kit for various chemistry and enzymes.

1968 - 1970. Senior Research Technician, Department of Pathology, University of Missouri, Columbia, Missouri. Research of drug metabolism in rat mitochondria.

1966 - 1968. Teaching Assistant, Department of Chemistry, University of Illinois, Urbana, Illinois. Taught freshman chemistry recitation and laboratory session; grader for radio chemistry course.

PROFESSIONAL AFFILIATIONS

California Association of Criminalists (CAC), 1976- 2001

American Academy of Forensic Sciences (AAFS) to 2001

California Association of Crime Laboratory Directors (CACLD), to present

American Society of Crime Laboratory Directors (ASCLD), to present

American Society of Crime Laboratory Directors - Laboratory Accreditation Board (ASCLD/LAB)

American Board of Criminalistics (ABC), to present

APPOINTMENTS

CAC: Treasurer, 1984; Accreditation Liaison, 1995.

AAFS: Symposium program moderator, 1991; delegate to ABC, 1997 - 2000.

CACLD: DNA Committee Chair, 1987; Board of Directors 1987-1990;; California Criminalistics Institute User Advisory Board, 1994 - 2000.

ASCLD: Laboratory Facility Committee Chair, 1989 - 1991; Newsletter Committee Chair, 1991-1993; Board of Directors, 1992 - 1995; PCR Licensing Task Force Chair, 1995.-1996.

ASCLD/LAB: Manual Revision Committee, 1992 - 1993 Inspector, 1992 - present; Team Captain, 1996 - present.

ABC: Board of Directors, 1997 - 2000.

Federal Bureau of Investigation Technical Working Group in DNA Analysis Methods (TWGDAM), 1988 - 1990.

Office of Technology Assessment (U.S. Congress): Report reviewer *Genetic Witness: Forensic Uses of DNA Tests*, 1990

University of California at Irvine Extension: Guest lecturer on Forensic Sciences course, 1991 - 1994.

College of American Pathology: Forensic Identity Committee consultant, 1993 - 2002.

California Criminalistics Institute: User Advisory Board, 1994- 2000.

Singapore Institute of Science and Forensic Medicine: International Advisory Panel, 1994 - 1997.

FBI: DNA Advisory Board, 1995 - 1997.

National Forensic Science Technology Center, consultant, 1997

National Institute of Justice: National Forensic DNA Review Panel, 1996 - 1999.

National Institute of Justice: CLIP Peer Review Panel, 2002

Choice Point, DNA Advisory Board, 2001-2003

PROFESSIONAL CERTIFICATES AND LICENSES

State of California Public Health Department license, Supervising Blood Alcohol Analyst, 1978-2001.

American Board of Criminalistics, Certificate of Professional Competency in Criminalistics, 1993 - 2003.

AWARDS

Drug Enforcement Agency Certificate of Appreciation, 1981.

Orange County Woman of Achievement Award, 1986.

City of Buena Park Woman of Achievement Award, 1987.

PUBLICATIONS

Graves, M.H., White, J.M., Fitzpatrick, F., Kuo, M.C., "A Comparison of Absorption Inhibition and Absorption Elution Methods in the Detection of ABO(H) Antigens Found in Vaginal

Samples Submitted in Sexual Offense Cases," J. of Forensic Sciences 23:2, 345, 1978.
Pearce, D., Kuo, M.C., Wiersema, S., "Simultaneous Determination of Morphine and Codeine in Blood by Use of Select Ion Monitoring and Deuterated Internal Standards," Clinical Toxicology 14:2, 161, 1979.

White, J.M., Clardy, D., Graves, M., Kuo, M., et al, "Testing for Sedative-Hypnotic Drugs in the Impaired Driver: A Study of 72,000 Arrests," Clinical Toxicology 18, 945, 1981.

Kuo, M., "Linking a Bloodstain to a Missing Person by Genetic Inheritance," J. of Forensic Sciences 27, 438, 1982.

Kearney, J., Mudd, J., Hartmann, J., Kuo, M., Nelson, M., Presley, L., Stuver, W., "Guidelines for a Quality Assurance Program for DNA Restriction Fragment Length Polymorphism Analysis, Crime Laboratory Digest, 16:2, 40, 1989.

TECHNICAL PRESENTATIONS

- "Linking a Bloodstain to a Missing Person by Genetic Inheritance," presented at the California Association of Criminalists, Fall 1980, and at the American Academy of Forensic Sciences, February, 1981.
- "DNA: A Blind Trial Study of Three Commercial Testing Laboratories," co-author M. Graves, presented at the American Academy of Forensic Sciences, February, 1989.
- "A Study of Polymorphism of Four Single-Locus DNA Probes Among Asian Population in Southern California," presented at the Taipei International Symposium on Forensic Sciences, March, 1991.
- "A Study of 150 Suicide Notes in Orange County, California," co-author John McPhee, presented at the American Academy of Forensic Sciences, February, 1993.
- "DNA Analysis of a Bite Mark in a Double homicide," co-authors M. Hong, E. Buse, J. Hartmann, E. Steinberger, presented at the International Forensic Science symposium, Republic of China, November, 1994.
- "PCR-Based analysis of a Wax bite Impression as a Comparison Standard for Saliva Typing of a Bite Mark," co-authors M. Hong, E. Buse, J. Hartmann, E. Steinberger, presented at AAFS, February, 1995.
- "Using New DNA Technology to Solve Old Homicides," presented at the California Peace Officers Association annual meeting, May, 1997.
- "ASCLD/LAB Accreditation," presented at the California State Division -International Association of Identification annual meeting, May, 1997.

- "Fighting Crime with Modern Technologies and Computerized Databases", presented at the Shanghai '98 Modern Crime Countermeasure Symposium, China, July, 1998
- "Solving Serial homicides and Sexual Assaults with computerized Databases and New Technology" co-author Ron shave, presented at AAFS, February, 2000

NATIONAL/INTERNATIONAL SYMPOSIA

- AAFS Annual Symposium
1977, 1981, 1984, 1987, 1988, 1989, 1991, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000
- ASCLD Annual Symposium
1985, 1986, 1987, 1988, 1989, 1990, 1991, 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999
- IAFS: Adelaide, Australia, 1990; Tokyo, Japan, 1996 (section chair), Los Angeles, 1999.
- The Taipei International Symposium on Forensic Sciences, Taipei, Taiwan, 1991.
- International Forensic Science Symposium, Taipei, Taiwan, 1994.
- Shanghai '98 Modern Crime countermeasure Symposium,

LABORATORY INSPECTIONS/AUDITS

- Baltimore County Police Department, 1993
- Drug Enforcement Agency, Special Testing Lab, 1994
- Victoria State Police Forensic Science, Australia, 1994
- Los Angeles County Sheriff's Department, 1994
- Arizona Department of Public Safety, 1994
- California Department of Justice, 1994
- Institute of Science and Forensic Medicine, Singapore, 1994
- Florida Department of Law Enforcement, 1995
- Hong Kong Government Lab, Team Captain, 1996
- Suffolk County, NY, 1997
- Illinois State Police Forensic Science Services, 1997
- Centre of Forensic Sciences, Toronto, Canada, 1997
- Miami Valley Regional Lab, KY, Team Captain, 1998
- New York City Police, Group Leader, 1999
- Hong Kong Government Lab, 2001
- San Diego Police Department DNA Lab, 2001
- Oakland Police Department DNA Lab, 2001

- California DOJ-BFS Fresno Regional DNA Lab, 2002
- (4) Private Contract DNA Labs, 2002
- California DOJ-BFS Central Valley DNA Lab, 2002
- Alameda County Sheriff's DNA Lab, 2002
- Sacramento County DA's DNA Lab, 2002
- Oakland Police DNA Lab, 2002
- California DOJ-BFS Richmond DNA Lab, 2002
- California DOJ-BFS DNA Lab, 2003
- Cellmark, 2003
- Reliagene, 2003

ATTACHMENT B

Douglas M Lucas DSc(Hon)
Biographical Data

Retired Director
The Centre of Forensic Sciences
Ministry of the Solicitor General
Province of Ontario

5280 Lakeshore Road, Suite 1111
Burlington, Ontario, Canada L7L 5R1
Telephone 905-634-4972
Fax 905-634-6185
E-mail lucas@bserv.com

Born: May 5th, 1929, Windsor, Ontario

Family: Married to Marie M Lucas (nee Macdonald); 5 children; 12 grandchildren

Education/Degrees:

- Primary and Secondary School - Windsor, Ontario
- BSc (Pharmacy) - University of Toronto 1953
- MSc(Pharmaceutical Chemistry) - University of Toronto 1957
- DSc (Honorary) - John Jay College of Criminal Justice, 2001
City University of New York
- DSc (Honorary) - The University of Toronto 2004

Employment:

- University of Toronto Faculty of Pharmacy - Instructor 1953 - 1957
-
- Attorney General's Laboratory (now The Centre of Forensic Sciences)
 - Chemist 1957 - 1960
 - Section Head - Organic Chemistry 1960 - 1967
 - Director 1967 - 1994
- Ministry of the Solicitor General, Province of Ontario
- Acting Assistant Deputy Minister - Public Safety Division 1992 - 1994
- Forensic science management and quality consultant 1994 -

Appointments:

- Adjunct Professor of Forensic Science, University of Toronto

Professional Affiliations:

Canadian Society of Forensic Science (CSFS)

- Member 1958 - 1995
- Emeritus Member 1995 -
- President 1968 - 1969
- Alcohol Test Committee - Member 1967 - 2000
- - Chairman 1980 - 1984
- Bylaws Committee - Chairman 1980 - 1983
- Douglas M Lucas Award for Professional Excellence - Established 1995
- Derôme Medal - Awarded 1996

American Academy of Forensic Sciences (AAFS)

- Member/Fellow 1960 - 1990
- Distinguished Fellow 1990 - 1994
- Retired Fellow 1994 -
- President 1972 - 1973
- Criminalistics Section - Secretary 1961 - 1962
- - Chairman 1962 - 1963
- - Section Award - Awarded 1981
- - Outstanding Service Award - Awarded 1996
- Ad Hoc Committee on Code of Ethics and Bylaws - Co-chair 1976
- Ethics Committee - Member 1977 - 1994
- - Chairman 1982 - 1994
- Last Word Society - Chairman 1980 - 1983
- History Committee - Member 1990 - 1998
- Strategic Planning Committee - Member 1989 - 1998
- Long Term Planning Committee - Member 1998 -
- Oversight Task Force - Member 1995 - 1997
- Golden Anniversary Planning Committee - Chairman 1995 - 1998
- The Forensic Sciences Foundation Inc. - Chairman 1986 - 1991
- Gradwohl Medal - Awarded 1995
- Douglas M Lucas Medal for Outstanding International Contributions to Forensic Science - Established 1999

American Society of Crime Laboratory Directors (ASCLD)

- Member 1974 - 1994
- Emeritus Member 1994 -
- President 1977 - 1978
- Membership Committee - Chairman 1982 - 1985

- | | | |
|---|--|-------------|
| · | Proficiency Advisory Committee - Member | 1978 - 2000 |
| | - Chairman | 1981 - 1991 |
| · | Briggs J White Award for Leadership Excellence - Awarded | 1999 |
| · | Laboratory Accreditation Board (ASCLD/LAB) | |
| · | Inspector | 1981 - 2003 |
| · | First Recipient of the ASCLD/LAB Douglas M Lucas Distinguished Service Award | 1993 |
| · | The Forensic Science Society (UK) | |
| · | Member | 1971 - 1994 |
| · | Retired Member | 1994 - |
| · | International Association of Forensic Sciences (IAFS) | |
| · | President | 1968 - 1969 |
| · | Member of Council | 1969 - |
| · | First Recipient of the Adelaide Medal | 1990 |
| · | National Safety Council (USA) | |
| · | Committee on Alcohol and Other Drugs - Member | 1960 - 1994 |
| | - Emeritus Member | 1994 - |
| | - Chairman | 1977 - 1979 |
| · | Robert F Borkenstein Award - Awarded | 1997 |
| · | International Committee on Alcohol, Drugs and Traffic Safety | |
| · | Vice-President | 1983 - 1986 |
| · | Canadian Association of Fire Investigators | |
| · | Honorary Member | 1994 - |
| · | International Association of Arson Investigators | |
| · | Member | 1970 - 1995 |

Editorial Boards

·	Journal of the Canadian Society of Forensic Science	1975 - 1995
·	Journal of Forensic Sciences	1972 - 1995
·	Forensic Science International	1972 - 1999
·	Journal of the Forensic Science Society	1983 - 1990
·	Forensic Science Review	1986 -
·		

Other Honours

·	Canada Centennial Medal	1967
·	Queen Elizabeth Silver Anniversary Medal	1977
·	Department of Justice (USA), Office of the Inspector General Award	1997
·	Department of Justice (Canada) Special Award for Service	1999

Consultation Practice

Post-retirement consultation has been restricted primarily to assisting forensic laboratories with solutions to management and/or quality assurance matters, including preparation for accreditation. This has involved laboratories in Australia, Canada, Hong Kong and the USA. It has also involved serving on a five member international "Blue Ribbon Scientific Panel" in support of an eighteen month investigation by the Office of the Inspector General in the US Department of Justice of allegations of misconduct and improper practices by staff of the FBI Laboratory in Washington, DC. From December 1998 to December 2003, a major activity has involved serving as a member of a three person international "Peer Review Panel" advising the Judicial Tribunal for the "Bloody Sunday Inquiry" into the tragic events of January 30, 1972 in Londonderry, Northern Ireland in which thirteen civilians were killed and fourteen seriously wounded by gunshots during a confrontation with the British army. Currently (2005) a similar activity is associated with another major investigation in Northern Ireland.

Publications

1. Smith, HW and **DM Lucas**, "Breath Tests for Alcohol"; Criminal Law Quarterly, 1, 1 (1958)
2. Salem, H, GWH Lucas and **DM Lucas**, "Saran Plastic Bags As Containers for Breath Samples"; Can. Med. Assoc. J., 82, 682 (1960)
3. **Lucas, DM**, "The Identification of Petroleum Products in Forensic Science by Gas Chromatography"; J. Forens. Sci., 5, 336 (1960)
4. **Lucas, DM** and G. Eijgelaar, "An Evaluation of a Technique for the Examination of Lipstick Stains"; J. Forens. Sci., 6, 354 (1961)

5. **Lucas, DM** and WJ Hayman, "The Determination of Telephone Numbers From the Dial Sounds On a Tape Recording"; Proc. Can. Soc. Forens. Sci., (1962)

Lucas Bio (continued)

6. Smith, HW and **DM Lucas**, "The Development of a Large Scale Breath Testing Program in Ontario"; Proc. 3rd Intl. Conf. On Alcohol and Road Traffic, (1962)
7. Yip, HL and **DM Lucas**, "A Gas Chromatographic Method for the Comparison of Candle Waxes in Arson Cases"; Proc. Can. Soc. Forens. Sci., (1965)
8. **Lucas, DM**, (Some New Equipment for the Handling and Transportation of Explosive Devices"; J. Forens. Sci. Soc., 7, 204 (1967)
8. Howes, JR, RA Hallett and **DM Lucas**, "A Study of the Accuracy of the Breathalyzer as Operated By Police Personnel"; J. Forens. Sci., 12, 444 (1967)
10. **Lucas, DM**, "Optics and Instrumentation of Forensic Science"; Applied Optics 8, 15 (1969)
11. **Lucas, DM** and NC Sharpe, "The Development of Forensic Science in Ontario", J. Can. Soc. Forens. Sci., 2, 30 (1969)
12. **Lucas, DM**, "What's New in Forensic Chemistry - 1972"; Amer. Acad. Forens. Sci. Newsletter, 2, (1973)
13. Cimbura, G, RA Warren, RC Bennett, **DM Lucas** and HM Simpson, "Drugs Detected in Fatally Injured Drivers and Pedestrians in the Province of Ontario"; TIRF Report, March (1980)
14. Cimbura, G, **DM Lucas**, RC Bennett, RA Warren and HM Simpson, "Incidence and Toxicological Aspects of Drugs Detected in 484 Fatally Injured Drivers and Pedestrians in Ontario"; J. Forens. Sci., 27, 855 (1982)
15. Basu, PK, M Avaria, R. Jankie, BM Kapur and **DM Lucas**, "Effect of Prolonged Immersion on the Ethanol Concentration of Vitreous Humor"; J. Can. Soc. Forens. Sci., 16, 2 (1983)
16. **Lucas, DM**, CG Leete and KS Field, "An American Proficiency Testing Program"; Forens. Sci. Intl., 27, 71 (1985)
17. **Lucas, DM**, "Drugs and Driving"; Crowns' Newsletter, 2, (1985)
18. **Lucas, DM**, "Nitroglycerine and Its Neutralization"; Can. Forces Explosive Ordnance Info. Bull., September (1985)
19. **Lucas, DM**, "The Breathalyzer - How It Works"; Chapter 24 in "Breathalyzer Law in Canada", RM. McLeod, JD. Takach and MD Segal, Eds.; Carswell Co. Ltd., Toronto (1986)
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ATTACHMENT C

CURRICULUM VITAE

Bruce W. Vander Kolk

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Education

**Michigan State University, B.S. Police Administration w/emphasis in Forensic Science, 1967
University Illinois at Chicago, MS, Criminalistics, 1977
Command and General Staff Course, Military 1982**

Forensic Science/Management Experience

October 1995 - June 2001(Retired)	Commander, IL State Police, Forensic Sciences Command
January 1978 - October 1995	Bureau Chief, IL State Police, Bureau of Forensic Sciences
October 1977 - December 1977	Assistant Bureau Chief, IL Dept. Law Enforcement, Springfield
February 1973 - September 1977	Laboratory Director, IL Dept. Law Enforcement, Maywood
September 1970 - January 1973	Laboratory Director, IL Dept. Law Enforcement, Rock Island
October 1969 - August 1970	Drug Chemist, IL Dept. Law Enforcement, Joliet

Forensic Science/Management Assigned Responsibilities

Commander: Served as Commander of the Forensic Sciences Command, Illinois State Police, which consisted of eight regional forensic science laboratories and a Research and Development laboratory, consisting of a total staff of 468. Oversaw and coordinated the prompt, accurate and appropriate delivery of laboratory analyses and polygraph examinations involving 110,000 criminal cases in support of criminal justice agencies within Illinois. Additionally the States DNA Convicted Sexual Assault data base was implemented within the Forensic Sciences Command.

NOTE: During the early 90s, an agreement was reached between the City of Chicago and the Governor of Illinois in which the Chicago Police Department Crime Laboratory Function would be transferred to the Illinois State Police. I was responsible for managing the merger which consisted of determining which Chicago Police Department employees would be transferred, hiring the management staff, establishing systems to ensure the prompt and accurate analysis of approximately an additional 55,000 cases, hiring approximately an additional 150 new forensic scientists and providing appropriate training, and implementing a laboratory management information system to track evidence, provide reports, statistical data and online capabilities with the Cook County States Attorneys Office. In July 1996 the transfer was completed and one year later the laboratory received national accreditation by the American Society of Crime Laboratory Directors-Laboratory Accreditation Board.

Bureau Chief: Served as Bureau Chief of the Bureau of Forensic Sciences, Illinois State Police, which consisted of seven regional forensic science laboratories and a Research and Development laboratory, consisting of a total staff of approximately 310. Oversaw and coordinated the prompt, accurate and appropriate delivery of laboratory analyses and polygraph examinations in support of criminal justice agencies within Illinois. During this period the nations first Training and Applications Laboratory was established to train new forensic scientists plus the nations first formalize Quality Assurance Program was implemented. These two areas were important in that a sound training program was established to ensure well trained forensic scientist were placed in the laboratories and the Quality Assurance program monitored State wide the accuracy, timeliness and completeness of forensic analyses.

NOTE: In 1985 the State's Forensic Toxicology program operating under the control of the Department of Public Health was transferred to the Illinois State Police by direction of the Governor due to improper management and analytical

practices. I managed the transfer and because of issues determined that none of the current employees would be accepted. The function was relocated from the Chicago area to Springfield and all new staff were hired, facilities obtained, and policies/protocols developed. **Assistant Bureau Chief:** Responsible to the bureau chief for administering support functions for several forensic laboratories, including, but not limited to, budget preparation, administrative transactions, policy/procedural development, training and quality assurance issues.

Laboratory Director - Maywood: Served as the laboratory director for the Maywood Forensic Science Laboratory. Responsible for providing forensic science services to the greater metropolitan Chicago area, excluding the City of Chicago. Directed the activities of several forensic science disciplines and administrative functions.

Laboratory Director - Rock Island: Served as the laboratory director for the Rock Island Forensic Science Laboratory. Responsible for providing forensic science services to the northwestern portion of Illinois. Directed the activities of forensic science disciplines, polygraph and crime scene investigation.

Crime Laboratory Analyst: Conducted forensic examinations in the areas of drug chemistry, arsons and blood alcohol. Responsible for the interpretation and reporting of results of analyses to user agencies and subsequent court testimony.

Teaching: 1971 to 1972 - Instructor in forensic science/crime scene investigation at Blackhawk College.

Military Assignments

Numerous military assignments from 1967 to 1994, to include active duty in Vietnam; retired August 28, 1994, as Brigadier General, Illinois Army National Guard. During 27 years of military service, 15 years were involved as a commander of different units. These included company, battalion and brigade levels, plus command of the Illinois Military Academy. Also served as principle staff officer at battalion and brigade levels.

Professional Occupation Since Retiring From The Illinois State Police

August 30, 2004 to present

Currently serving as the Assimilating/Equipping Ministry Director for South Side Christian Church, Springfield, Illinois. Responsible for developing processes to involve church attendees in serving as a volunteer in one of the many volunteer positions; training leaders of volunteers to help improve their skills in recruiting, retaining and proper placement of volunteers; one of five members serving on the Vision Planning Team developing and overseeing the strategy planning process for the church.

August 1, 2001 to August 29, 2004

Served as the Church Administrator for South Side Christian Church, Springfield, Illinois. I was hired as the first church administrator and given responsibilities for supervising all of the support staff, managing the facilities, establishing policies and procedures, overseeing the budget and preparation of new fiscal year budgets (approximately 1.2 m), recruiting and assigning volunteers, and working on special projects either for the Senior Minister or Board of Elders.

Professional Organizations

- *American Society of Crime Laboratory Directors (Served on legislative/strategic planning committee and Board of Directors), Emeritus Member
- *American Academy of Forensic Sciences, Fellow (Resigned upon retirement)
- *Midwestern Association of Forensic Sciences, Charter Member, President, Secretary, Treasurer, Newsletter Editor, Emeritus Member
- *Illinois Association of Identification
- *Military Officers Association of America
- *National Guard Association of Illinois
- *National Guard Association of United States
- *Reserve Officers Association

Professional Activities

- *Served as Lead Auditor & Human Resources Auditor, City of Phoenix, City Auditor Department, performing a Police Crime Laboratory Audit of the Phoenix Police Department, 2003-2004.
- *Involved with serving on the management team overseeing a church plant in Central Illinois from 2003 to present.
- *On an informal basis prepared a Proposal for Forensic Services for Chief Terrance Gainer, Metropolitan Police Department, District of Columbia
- *Served on a team in the late 1990s as a consultant to the New York Police Department Crime Laboratory to help prepare the laboratory for national accreditation by the ASCLD-LAB.
- *Member, National Center for Forensic Sciences Advisory Board, University of Central Florida, 1997 to 2001.
- *Trained as an Inspector for the American Society of Crime Laboratory Directors/Laboratory Accreditation Board (ASCLD-LAB), 1998
- *Member of Forensic Science Evaluation Team to Ministry of Internal Affairs of Russia, 1997
- *Delegate to 1994 International Forensic Science Symposium, Taiwan
- *People to People Forensic Science Project delegate to the USSR, 1988.
- *Served as a management consultant for Marion County Crime Laboratory, Indianapolis, Indiana performing an audit of the laboratory.
- *Served on various ASCLD, MAFS, AAFS committees

Professional Publication/Presentations:

Kreiser, M.J., Vander Kolk, B.W., "Leasing Analytical Instruments: Advantages, Disadvantages, and Contract Procedures," Journal of Forensic Sciences, 27 (3), July 1982, pages 598 - 621.

Several presentations at regional and national forensic science organizations.

Professional Awards:

Midwestern Association of Forensic Scientists Distinguished Service Award, 1988
 American Society of Crime Laboratory Directors - The Briggs J. White Award, 1998
 Numerous military awards to include Legion of Merit, Bronze Star and Meritorious Service Medal
 Illinois State Police awards to include Meritorious Service Medal and Achievement Awards

Personal

Date of Birth: March 16, 1945, Allegan, Michigan
 Marital Status: Married, Two Children
 Residence: #4 Willow Creek Drive, Springfield, IL 62707; Telephone: 217/787-8184
 Hobbies: Cycling, Walking, Reading

References: Available upon request

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