



## CURRICULUM VITAE

**Dan C. Purdy, BSc., FSSocDip., FCSFS, D-ABFDE - Forensic Document Examiner**

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### Education and Professional Training

1. Graduated from the University of British Columbia with a Bachelor of Science (Mathematics and Physics) in 1974 and successfully completed a Fibre Microscopy course offered by the Institute of Paper Chemistry in Appleton, Wisconsin.
2. Completed a two year training program in forensic document examination under the direct supervision of senior Royal Canadian Mounted Police forensic scientists.
3. Attended numerous workshops and seminars that dealt with the examination and comparison of handwriting, the identification of printing processes, digital imaging, the examination of passports and identity documents, the identification of stamp impressions, the inspection of facsimile transmitted documents and the analysis of writing inks. Recent workshops and seminars attended include:
  - a) "Measuring Frequency of Occurrence" (4 hours) 2016 - Pensacola, FL
  - b) "Sequence of Entries Determination" (4 hours) 2016 - Pensacola, FL
  - c) "Conclusion Scales and Logical Inference" (8 hours) 2012 - SFU Burnaby, BC
  - d) "Managing Human Factors" (7 hours) 2012 - Charleston, SC
  - e) "Individuality of Inkjet Printing" (4 hours) 2012 - Charleston, SC
  - f) "Kinematic Features of Alzheimer's Signature Writing" (4 hours) 2012 - Charleston, SC
  - g) "Print Process Identification for Forensic Document Examiners (8 hours) 2011 - Philadelphia, PA
  - h) "Using Adobe Photoshop in a Questioned Document Workflow (8 hours) 2011 - Philadelphia, PA
  - i) "Electronic Recording & Analysis of Handwriting" (4 hours) 2010 - Victoria, BC
  - j) "Signature Workshop" (4 hours) 2010 - Victoria, BC
  - k) "Signature Examinations - Translating Basic Science to Practice" (8 hours) 2010 - Seattle, WA
  - l) "Typography - Testing to Testimony" (4 hours) 2008 - Asheville, NC
  - m) "Authenticating Questioned Documents" (12 hours) 2006 - Asheville, NC
4. Certified by two internationally recognized certifying bodies: 1) the American Board of Forensic Document Examiners, and, 2) the Forensic Science Society (United Kingdom).

### Employment History

#### **1. Forensic Document Examination Services, Inc.**

President - 1999 to present

*Assists lawyers, regulatory bodies, insurance companies, government agencies and other clients in matters involving contested documents. Examines handwritten, typewritten, computer generated, faxed, photocopied and other documents to identify their sources, establish when suspect entries were produced, detect alterations and decipher obliterated entries. Prepares forensic reports that outline the results of these analyses and provides expert testimony at civil and criminal trials as well as licensing boards and hearings. Reviews opinions expressed by other consultants to assess the accuracy of their results and to determine if appropriate procedures were followed during the course of their investigations.*

[revised 8-31-16]

## **2. Royal Canadian Mounted Police Forensic Laboratories**

### **a) Chief Scientist - 1989 to 1999**

*Monitored the delivery of document examination services within the RCMP's national forensic laboratory system, established professional standards, maintained a quality assurance program for document examiners, developed proficiency tests, monitored research projects, organized professional development activities for RCMP document examiners, served as the RCMP's chief spokesperson on all matters related to questioned documents, examined documents submitted by police or government agencies and testified as an expert witness.*

### **b) Head of Operations - 1986 to 1988**

*Managed the RCMP's Ottawa Document Section, supervised its document examiners, examined documents submitted by police or government agencies and testified as an expert witness.*

### **c) Head of Operational Support - 1985 to 1986**

*Coordinated research and professional development activities for RCMP document examiners in eight forensic laboratories, developed a comprehensive forensic training program, examined documents submitted by police or government agencies and testified as an expert witness.*

### **d) Forensic Document Examiner - 1969 to 1984**

*After completing a two-year training program, examined documents submitted by police and government agencies located in British Columbia, Alberta and the Yukon Territories and testified as an expert witness.*

## **Experience & Expertise**

### **1. Analyses**

- Examines handwriting, signatures and hand printing for evidence of forgery or genuineness.
- Compares handwriting to identify the author of contested documents.
- Identifies office equipment (typewriters, printers, copiers, etc.) used to produce documents.
- Deciphers the contents of charred, water-soaked and damaged documents.
- Analyses materials (writing inks, paper, etc.) used to produce documents.
- Detects fraudulent insertions and alterations to documents.
- Determines the sequence of entries and dates documents.
- Restores indented impressions on documents.
- Recovers erased/eradicated entries.

### **2. Other Services**

- Reviews the qualifications/experience proffered by other experts and evaluates their reports.
- Instructed at University of Ottawa, Algonquin College & University of Toronto.
- Performed post-graduate evaluations for University of Technology in Sydney, Australia.
- Lectures to various groups including the International Assoc. of Financial Crimes Investigators, Ontario Trial Lawyers Association, Association of Certified Fraud Examiners, insurance companies, law firms, chartered banks and the Canadian Medical Association.

### **3. Experience & Expert Testimony**

- Examined over 4,700 independent cases involving more than 80,000 documents.
- Testified more than 300 times before: criminal & civil courts (Provincial, territorial, County and Supreme levels), regulatory bodies, adjudication boards and boards of enquiry located in Alberta,

British Columbia, Manitoba, Ontario, Quebec, the Yukon, Nunavit, Labrador and Newfoundland as well as in Bermuda, the United States of America and Hong Kong.

#### **4. Awards**

- Recipient of the American Society of Questioned Document Examiners *Albert S. Osborn Award of Excellence* presented in August of 2012 (see [http://www.asqde.org/about/aso\\_award.html](http://www.asqde.org/about/aso_award.html)).
- Recipient of an Award of Merit presented by the American Academy of Forensic Science in 2015.

### **Professional Affiliations & Memberships**

#### **1. Canadian Society of Forensic Science (since 1973)**

- elected a "Fellow" of the Society in 1997.
- Treasurer 1988, Director 1986-88 & Document Section Chairperson 1985.

#### **2. American Society of Questioned Document Examiners (since 1991)**

- President 2004 to 2006.
- Vice President 2002-04, Secretary 1998-02, Director 1996-98.
- elected a "Life Member" of the Society in 2013.
- currently a member of Finance Committee, Resource Centre and Editorial Board of the *Journal of the American Society of Questioned Document Examiners*.

#### **3. American Board of Forensic Document Examiners (since 1980)**

- President 1993-95.
- Vice President 1991-93, Director 1988-91.
- awarded a Certificate of Qualification in Forensic Document Examination in 1980.

#### **4. The Chartered Society of Forensic Sciences (since 1984)**

- appointed a "Fellow" in 2006.
- awarded a Diploma in Document Examination in 1986.

#### **5. American Academy of Forensic Science (since 2001)**

- member of Questioned Document Section.
- member of the *Journal of Forensic Science* Editorial Board from 2008 to 2015.

### **Publications & Presentations**

1. "Getting on the Stand – How to be a First Class Witness", presentation at Expert Witness Forum West, Vancouver, BC (2016).
2. "The Lawyer's Guide to the Forensic Sciences – Forensic Document Examination (Chapter 14), Editor: Caitlin Pakosh, Irwin Law, Toronto (expected publication 2016).
3. "Questioned Document Examination and Enhancement of Evidence and Interpretation of Evidence Using Various Light and filter Techniques" - workshop co-presented at the American Academy of Forensic Science meeting, Seattle, WA (2014).

4. "Document Dating" - Encyclopedia of Forensic Sciences, Second Edition, Vol. 2, pp 351-369, Academic Press, London, England (2013).
5. "Electrostatic Detection Devices – Theoretical & Operational Considerations" workshop presented at the American Society of Questioned Document Examiners meeting, Charleston, SC (2012).
6. "Court Testimony – Guidelines for the Expert Witness" - workshop presented at the American Society of Questioned Document Examiners meeting, Philadelphia, PA (2011).
7. "Solving Problems Through Observation and Analysis" - workshop presented at the American Society of Questioned Document Examiners meeting, Victoria, B.C. (2010).
8. "Indentation Development - In Theory and In Practice" - Seminar presented at the American Society of Questioned Document Examiners meeting, Boulder, Colorado (2007).
9. "Identification of Handwriting - Chapter 8" - Scientific Examination of Questioned Documents, 2<sup>nd</sup> edition, [ISBN: 0849320445], CRC Press, Boca Raton, Florida, 2006.
10. "The Gradient® - A Device for Producing Uniform Electrostatic Detection Device (EDD) Test Strip Impressions" - American Society of Questioned Document Examiners meeting, Montréal, Québec (2005).
11. "The Life and Times of Herbert J. Walter" - American Society of Questioned Document Examiners meeting, San Diego, California (2002).
12. "Write-On® - An Aid for Examining Foreign Alphabet Writings" - American Society of Questioned Document Examiners meeting, San Diego, California (2002).
13. "Document Analysis - Document Dating" - Encyclopaedia of Forensic Sciences (ISBN: 0-12-227215-3), Academic Press, London, 2000.
14. "An Evaluation of Reduction and Expansion in Facsimile Transmissions" - International Association of Forensic Science meeting, Los Angeles, California (1999).
15. "History of the ABFDE Certification Program" - FBI 2<sup>nd</sup> International Symposium on the Forensic Examination of Questioned Documents, Albany, New York (1999).
16. "Facsimile Examinations without Facsimile Exemplars and Original Documents" - American Society of Questioned Document Examiners meeting, Indianapolis, Indiana (1998).
17. "A Method for Determining the Condition of an ESDA or IMEDD" - American Society of Questioned Document Examiners meeting, Indianapolis, Indiana (1998).
18. "Where Document Imaging and Scientific Image Analysis Meet: *Document Forensics*" - International Journal of Forensic Document Examiners, Vol. 3, No. 3, July/Sept 1997, p. 261-264.
19. "A Search Engine for Indexing Large Collections of Reference Material" - presented at the Canadian Society of Forensic Science meeting, Regina, Saskatchewan (1997).
20. "Document Forensics: Scientific Image Analysis Meets Document Imaging" - Advanced Imaging, March 1996.

21. "An Automated System for Searching Collections of Reference Material" - presented at the American Society of Questioned Document Examiners meeting, Chicago, Illinois (1995).
22. "The Identification of Laser Printers by Confocal Laser Scanning Microscopy" - presented at the International Association of Forensic Sciences meeting, Düsseldorf, Germany (1993).
23. "New Applications of Digital Image Processing in Forensic Document Examination" - presented at the American Society of Questioned Document Examiners meeting, Milwaukee, Wisconsin (1992).
24. "Applications of Confocal Laser Scanning Microscopy in Forensic Document Examination" - presented at the American Society of Questioned Document Examiners meeting, Milwaukee, Wisconsin (1992).
25. "Difficulties Encountered When Conducting Collective Handwriting Comparisons" - presented at both the American Society of Questioned Document Examiners meeting, Orlando, Florida, 1991 and the Canadian Society of Forensic Science meeting, Montreal (1991).
26. "Stabilization of Charred Documents by Parylene Deposition" - presented at the International Association of Forensic Science meeting, Adelaide, Australia (1990) and the Canadian Society of Forensic Science meeting, Ottawa (1990).
27. "Colour Printer Operating Systems and Their Identifying characteristics" - presented at the International Association of Forensic Sciences meeting, Vancouver (1987).
28. "Laminated Photo Driver's Licenses and Their Susceptibility to Fraudulent Alterations" - presented at the International Symposium on Altered Travel Documents, Montreal (1985).
29. "Basic Elements of a Quality Assurance System for Document Examiners" - Forensic Science International, #29, 1985.
30. "The Requirements of Effective Report Writing for Document Examiners" - Canadian Society of Forensic Science Journal, Vol. 15, #3/4, 1982.
31. "The Identification of Initials" - research paper, June 1978.
32. "Genuine or Counterfeit?" - RCMP Gazette, Vol. 38, #5, 1976.
33. "The Xerox 6500 Colour Copier" - Canadian Society of Forensic Science Journal, Vol. 9, #3, 1976.
34. "Foreign Influences in Handwriting" - research paper, December 1971.

### **Forensic Conferences Attended**

1. Annual Conferences of the American Academy of Forensic Science
  - 1990 [Cincinnati]                      - 1992 [New Orleans]                      - 1998 [San Francisco]                      - 2000 [Reno]
  - 2001 [Seattle]                              - 2004 [Dallas]                              - 2010 [Seattle]
2. Annual Conferences of the Canadian Society of Forensic Science
  - 1977 [Edmonton]                      - 1981 [Hamilton]                      - 1982 [Halifax]                      - 1985 [Montreal]

- 1986 [Niagara Falls]
- 1989 [Edmonton]
- 1990 [Ottawa]
- 1991 [Montreal]
- 1997 [Regina]
- 2000 [Ottawa]
- 2012 [Vancouver]

3. Conferences of the American Society of Questioned Document Examiners

- 1971 [Seattle]
- 1980 [Vancouver]
- 1985 [Montreal]
- 1989 [Arlington]
- 1990 [San Jose]
- 1991 [Orlando]
- 1992 [Milwaukee]
- 1993 [Ottawa]

Conferences of the American Society of Questioned Document Examiners (con't)

- 1994 [Long Beach]
- 1995 [Chicago]
- 1996 [Washington]
- 1997 [Scottsdale]
- 1998 [Indianapolis]
- 1999 [Los Angeles]
- 2000 [Ottawa]
- 2001 [Des Moines]
- 2002 [San Diego]
- 2003 [Baltimore]
- 2004 [Memphis]
- 2005 [Montréal]
- 2006 [Portland]
- 2007 [Boulder]
- 2008 [Asheville]
- 2010 [Victoria]
- 2011 [Philadelphia]
- 2012 [Charleston]
- 2016 [Pensacola]

4. Tri-annual Conferences of the International Association of Forensic Science

- 1984 [Oxford]
- 1987 [Vancouver]
- 1993 [Düsseldorf]
- 1999 [Los Angeles]