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Susan L. Fortunato

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Susan L. Fortunato
Lead Document Analyst
Questioned Document Branch
Forensic Services Division
U.S. Secret Service

EDUCATION

BA - Gustavus Adolphus College, Degree received May, 1987
St. Peter, MN

EXPERIENCE

1989-1999 Document Analyst, U.S. Secret Service, Washington, D.C.
1999-present Lead Document Analyst, Instrumental Analysis Section, Questioned Document Branch, U.S. Secret Service, Washington, D.C.

Conduct examinations of documents to include the physical, chemical (organic and inorganic analyses), paper fiber analysis and any other document related tests requiring the use of instrumentation and/or chemical analysis. Specifically, the analyses involve the examination of ink, toner, paper and plastics in order to determine the method of manufacture, the age, the origin or the nature of material alterations. Furnish written and oral reports and serve as a witness in courts of law. Conduct and organize the training of apprenticeship examiners as well as criminal investigators, attorneys and other forensic document examiners. Conduct, evaluate and publish the results of research on document related issues.

PROFESSIONAL ORGANIZATIONS

Provisional Member - American Academy of Forensic Sciences
Member - Canadian Society of Forensic Science
Member - Mid-Atlantic Association of Forensic Scientists

INSTRUCTOR

International Law Enforcement Academy - Budapest, Hungary and Warsaw, Poland
Federal Law Enforcement Training Center - Glynco, GA
United States Secret Service - Washington, DC

PUBLICATIONS AND PRESENTATIONS

"Determining Document Authenticity through Instrumental Analysis of Ink and Paper" presentation at the FBI Academy, Quantico, VA, June, 1998.

"Distinguishing between Genuine and Fraudulent Documents through the Analysis of Various Printing Processes" presentation at the Mid-Atlantic Association of Forensic Scientists, June, 1998.

"The Determination of Document Authenticity through Instrumental Analyses" presentations at the International Law Enforcement Academy in Budapest, Hungary and Warsaw, Poland, January, 1998, September, 1997, April, 1997 and September, 1996.

"The Examination of Documents Using Multiple Analyses" presentations at the U.S. Attorneys Seminars, October, November and December, 1997.

**STATE'S
EXHIBIT**

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PUBLICATIONS AND PRESENTATIONS CONTINUED

"Distinguishing Between Relative Ink Age Determinations and the Accelerated Aging Technique" Susan L. Fortunato and Larry F. Stewart, published in the International Journal of Forensic Document Examiners, April/ June 1996

"Sentence Insertions Detected through Ink, ESDA, and Line Width Analysis" Susan L. Fortunato and Larry F. Stewart, published in the Journal of Forensic Sciences, November 1992

"Using the Analysis of Ink, Toner and Paper to Determine the Authenticity and Origins of Documents" presentations at the Federal Law Enforcement Training Center in Glynco, GA, March 1992.

"Current Status of Ink Age Determination" Susan L. Guertin and Larry F. Stewart, published in the INTERPOL International Criminal Police Review, March-April 1991

SPECIALIZED COURSES

Questioned Document Reference Database and Typewriter Classification Database - February 1995
American Academy of Forensic Sciences Workshop
Seattle, WA

Digital Image Processing for Questioned Document Examiners - February 1995
American Academy of Forensic Sciences Workshop
Seattle, WA

Scanning Electron Microscopy - September 1994
Philips Electronic Instruments Company
Mahwah, NJ

Paper Properties and their Measurement - October 1993
Institute of Paper Science and Technology
Atlanta, GA

Step by Step Thin Layer Chromatography - June 1993
Analtech, Inc.
Arlington, VA

Fourier Transform Infrared Spectrometer (FTIR) Microscope Course - September 1991
Nicolet
Madison, WS

FTIR Sample Handling Course - June 1991
Nicolet
Madison, WS

SPECIALIZED COURSES CONTINUED

FTIR 500 Series Course - June 1991

Nicolet

Madison, WS

Paper Fiber Analysis Course - April 1991

Fox Valley Technical College

Appleton, WS

FTIR Course - May 1990

Federal Bureau of Investigations Academy

Quantico, VA

Questioned Document Course - March 1990

Federal Law Enforcement Training Center

Glynco, GA