

EXHIBIT A

PETER V. TYTELL
DOCUMENT EXAMINER

116 FULTON STREET
SUITE 2W
NEW YORK, NY 10038-2712
TEL: 212/233-5333
FAX: 212/233-5336
E-MAIL: typeter@aol.com

I reside in New York County, New York, and am a full time forensic document examiner with fully equipped facilities for the non-destructive examination of documents.

I have studied the examination of documents with Pearl and Martin Tytell, both of whom had been licensed by the University of the State of New York to teach Questioned Document Examination and Identification. I have studied the standard texts in the field and have taken courses in document analysis and related subjects at Georgetown University's Institute of Advanced Analytical Chemistry and Georgetown University's Institute for Criminal Law and Procedure; Rensselaer Polytechnic Institute; the Institute of Paper Chemistry (then at Lawrence University, Appleton, Wisconsin); Rochester Institute of Technology; and John Jay College of Criminal Justice. I have also taken specialized courses and continuing professional education courses, seminars, workshops, etc. I regularly attend meetings of professional organizations in the field and keep abreast of the current periodicals and relevant literature.

As part of my initial training and continuing professional education, as well as for specific projects and cases, over more than forty years I have conducted research in various phases of document examination. These have included the history, differentiation, dating, and identification of handwriting (including cursive writing, handprinting, signatures, numerals, etc.); typewriter and other type styles; typewriters and other business imaging equipment; paper; ink and ink differentiation techniques; the development and production of specialized overlay plates for examining typewritten and other machine generated documents (in use internationally by private and government document examiners); as well as in basic areas of the theory and practice of document examination. This research has included on-site observations at producers of paper and papermaking equipment, typewriters, typewriter type and elements, ribbons, carbon paper, ink, pens, digital typestyles, etc., in the United States and other countries. I have also visited government and private document laboratories in this country and abroad to observe techniques and procedures. The results of some of this research have been included in technical presentations.

I am a diplomate of the American Board of Forensic Document Examiners (US) and hold the Forensic Science Society (UK) Diploma in Document Examination as a qualified specialist in forensic document examination; and belong to the American Academy of Forensic Sciences (Questioned Document section member and recipient of the section's Ordway Hilton Award), the American Society for Testing and Materials (Committee on Forensic Sciences, Membership Secretary; Past-Chairman and currently Vice-Chairman of the Sub-Committee on Questioned Documents; recipient of the ASTM Forensic Sciences Award and the ASTM Award of Merit; and ASTM Fellow), the American Society of Questioned Document Examiners, the Evidence Photographers International Council, the Inter-Society Color Council, and have participated in meetings of these and other learned organizations in North America and Europe. I am also an active participant in the work of the Scientific Working Group for Forensic Document Examination (SWGDOC) and was a founding member of the editorial board of the *International Journal of Forensic Document Examiners*.

I have taught and lectured on various aspects of the subject to document examiners employed in public and private laboratories as well as to investigators, attorneys, etc. I have also been consulted as an expert in typewriter history, and was a consultant in this area for an exhibition at the Cooper-Hewitt Museum, the Smithsonian Institution's National Museum of Design.

I have worked on document cases submitted by courts, prosecutors, public defenders and legal aid societies, law firms, government crime laboratories, other document examiners, private individuals, banks, insurance companies, corporations, etc. Since 1971 I have testified on handwriting and typewriting identification as well as other document problems in State and Federal courts and other venues.

PROFESSIONAL FACILITIES

Specialized Instrumentation

- Compound stereoscopic microscopes
(Bausch & Lomb, Leitz, Projectina, A. O. Spencer, and Zeiss)
- Comparison bridge microscopes (Bausch & Lomb and Leitz)
- Comparison optical projector (EPOI CP-6)
- Specialized hand magnifiers, reticules, etc.
- Light sources of various spectral characteristics
- Long and short wave ultraviolet lamps and cabinets
- Specialized viewing filters
- Front surface half-reflecting mirrors
- Closed circuit television systems sensitive to the near infrared region of the spectrum
for viewing reflected infrared and infrared luminescence,
including the VSC-1 (Video Spectral Comparator — Foster & Freeman, Ltd.)
- Computer hardware and software for image processing
- ESDA (Electrostatic Detection Apparatus — Foster & Freeman, Ltd.) for indented writing
- Ronchi rulings
- Complete sets of specially ruled typewriter and handwriting overlay plates on glass and film,
including grids for direct measurement of escapements to 5 μ (0.000 197")
- Rulers for direct measurements to 0.000 5" (12.7 μ) and other precision measuring devices.

Photographic Equipment

- Nikon digital and 35 mm camera systems for macrophotography
- Nikon Multiphot 4 x 5 laboratory camera system (adapted for digital imaging)
- Sirchie custom 4 x 5 field cameras
- Overhead, opaque, and slide projectors
- Screens for front and rear projection
- Other presentation and graphic arts equipment

Reference Materials

- Complete professional library with over 4,500 volumes on document examination, handwriting systems, typography, typewriters, photocopiers, as well as other pertinent forensic and technical subjects
- Extensive library of relevant journals and articles
- Extensive reference collection on typewriter type design,
including archives of the Imperial Typewriter Co. and the Underwood Typewriter Co.
- Comprehensive reference files on writing instruments, inks, paper, photocopiers, typography, etc.

CONTINUING PROFESSIONAL EDUCATION

Courses, Seminars, Workshops, etc.

Identifying and Managing Errors in Case Analysis:

Introduction to Human Error Analysis

workshop chaired by Ms. Susan M. Ballou of NIST; taught by Dr. Scott Shappel, Clemson University; Ms. Melissa K. Taylor of NIST Office of Law Enforcement Standards; Ms. Melissa Gische of the FBI; Ms. Linda Connell of NASA; and Dr. Douglas A. Wiegmann, University of Wisconsin, Madison; given at the American Academy of Forensic Sciences meeting, Chicago, IL, 2011.

Images in the Court Room: The Impact of SWGIT

Guidelines in Court

workshop chaired by Mr. Carl R. Kriigel of the US Army Crime Lab; taught by Dr. William R. Oliver, MD, and Dr. Richard W. Vorder Bruegge of the FBI; given at the American Academy of Forensic Sciences meeting, Chicago, IL, 2011.

Forensic Multimedia Analysis

workshop chaired by Dr. Zeno J. Geradts of the Netherlands Forensic Institute (NFI); Dr. Leonid I. Rudin, Cognitech; Dr. Richard W. Vorder Bruegge of the FBI; and Dr. Ivo Alberink and Dr. Arnout C.C. Ruifrok, of NFI; given at the American Academy of Forensic Sciences meeting, Chicago, IL, 2011.

Signature Examination: Translating Basic Science to Practice

workshop taught by Dr. Michael Caligiuri, University of California, San Diego and Mr. Linton Mohammed of the San Diego County Sheriff Crime Lab;; given at the American Society of Questioned Document Examiners meeting, Victoria, BC, 2010.

Challenging Signatures

workshop taught by Mr. A. Frank Hicks and Ms. Kirsten Singer of the Veterans Administration; given at the American Society of Questioned Document Examiners meeting, Victoria, BC, 2010.

Electronic Recording & Analysis of Handwritten

Signatures & Writings

workshop taught by Mr. Nicholas Mettyear, Dr. Steven Strach, and Ms. Andrea Devlin; given at the American Society of Questioned Document Examiners meeting, Victoria, BC, 2010.

Signature Examination: Translating Basic Science to Practice

workshop taught by Dr. Michael Caligiuri, University of California, San Diego and Mr. Linton Mohammed of the San Diego County Sheriff Crime Lab; given at the American Academy of Forensic Sciences meeting, Seattle, WA, 2010.

Introduction to Perception, Observer Effects, Bias, and Expectation in Forensic Science

workshop taught by Mr. Keith E. Inman, Dr. Norah Rudin, Mr. John J. Lentini, and Michael Risinger, Esq.; given at the American Academy of Forensic Sciences meeting, Seattle, WA, 2010.

Challenging Signatures

workshop taught by Mr. A. Frank Hicks; given at the American Society of Questioned Document Examiners meeting, Dearborn, MI, 2009.

Handwriting of a Homogenous Population

workshop taught by Ms. Marie Durina; given at the American Society of Questioned Document Examiners meeting, Dearborn, MI, 2009.

Indentation Sequencing

workshop taught by Mr. Brian Lindblom and Mr. Robert W. Radley; given at the American Society of Questioned Document Examiners meeting, Dearborn, MI, 2009.

The Examination of Documents produced with Inkjet Technology

workshop taught by Mr. Gerry LaPorte of the National Institute of Justice; given at the American Society of Questioned Document Examiners meeting, Dearborn, MI, 2009.

Security Documents Before and After the Crime: REAL ID, Physical and Electronic Security Features, Developments in Commercial Printing Technology, and an Introduction to Counterfeit Link Analysis

workshop taught by Mr. Troy J. Eberhardt of the US Bureau of Immigration and Customs Enforcement, Mr. Joseph C. Stevens of the US Secret Service, and Mr. Joel A. Zlotnick of the US Department of Homeland Security given at the American Academy of Forensic Sciences meeting, Denver, CO, 2009.

Typography—Testing to Testimony

workshop taught by Mr. William Flynn and Ms. Kathleen Annunziata Nicolaidis; given at the American Society of Questioned Document Examiners meeting, Asheville, NC, 2008.

Case Examinations of Medical and Business Records

ABFDE workshop chaired by Mr. Dennis Ryan and Mr. David Oleksow; given at the American Society of Questioned Document Examiners meeting, Asheville, NC, 2008.

The Applications of Color Analysis and Light Theory in the Forensic Examination of Documents

workshop taught by Ms. Danna Bicknell, Mr. Gerry LaPorte, and Mr. Joseph C. Stevens of the US Secret Service; given at the American Academy of Forensic Sciences meeting, Washington, DC, 2008.

The Impact of Confirmational Bias and Context Effect on Report Writing in the Forensic Science Laboratory workshop chaired by Mr. Joseph P. Bono; given at the American Academy of Forensic Sciences meeting, Washington, DC, 2008.

Authenticating Questioned Documents Workshop
taught by Mr. Gerry LaPorte, US Secret Service; with
*Electrostatic Indentation Development—In theory and
in practice*,
taught by Mr. Dan Purdy, formerly of the RCMP and
Mr. Tobin Tanaka of the Canadian Border Services
Agency; and with
Examination of Documents by Analyzing the Paper,
taught by Mr. Walter Rantanen of Integrated Paper
Service;
given at the American Society of Questioned
Document Examiners meeting, Boulder, CO, 2007.

*Workshop on Management Issues in Forensic Document
Units*
taught by Ms. Diane K. Tolliver, Indiana State Police,
and Mr. Thomas P. Riley, Michigan State Police;
given at the Academy of Forensic Sciences meeting,
San Antonio, TX, 2007.

*Mini-Workshop on the Foster & Freeman Video Spectral
Comparator and Electrostatic Detection Apparatus*
taught by Mr. F. L. Lee, Jr. of Foster + Freeman;
given at the Northeastern Association of Forensic
Scientists meeting, Rye Brook, NY, 2006.

Workshop on Disguised and Simulated Handwriting
taught by Dr. Bryan Found of the Victoria Police
Forensic Services and LaTrobe University (Australia);
given at the Southeastern Association of Forensic
Document Examiners meeting, Atlanta, GA, 2006.

*Workshop on How Frye and Daubert Have Changed the
Presentation of Criminalistics and Questioned
Documents in Court*
given at the American Academy of Forensic Sciences
meeting, Seattle, WA, 2006.

Print Quality Measurement Workshop
given at the American Society of Questioned
Document Examiners meeting, Montreal, Que., 2005.

Computer Analysis of Handwriting (CEDAR)
given at the American Society of Questioned
Document Examiners meeting, Montreal, Que., 2005.

*SWGIT Presents: Guidelines for Acquiring, Processing,
Analyzing, and Archiving Video and Image Data*
workshop chaired by Dr. Richard W. Vorder Bruegge,
FBI; given at the American Academy of Forensic
Sciences meeting, New Orleans, LA, 2005.

*Forensic Examination of Electrophotographic (Toner
Based) Documents and Devices*
workshop taught by Mr. Tobin Tanaka of the Canada
Border Services Agency, Ottawa; given at the
Southwestern Association of Forensic Document
Examiners meeting, Golden, CO, 2004.

*The Examination of Photocopy Signatures:
Distinguishing between line quality and ink line
morphology*
workshop taught by Mr. Greg A. Dawson of the
Centre of Forensic Sciences, Toronto, and Mr. Brian
S. Lindblom formerly of the RCMP; given at the
Southeastern Association of Forensic Document
Examiners meeting, Atlanta, GA, 2004.

The Use of the Haas Atlas CD Compilation
workshop taught by Mr. Andrew Szymanski of the
Lake Co., OH, Crime Laboratory, given at the
Southeastern Association of Forensic Document
Examiners meeting, Atlanta, GA, 2004.

Forensic Image and Video Processing
workshop chaired by Dr. Zeno Geradts of the
Netherlands Forensic Institute and Dr. Richard W.
Vorder Bruegge of the FBI; given at the American
Academy of Forensic Sciences meeting, Dallas, TX,
2004.

*Note Taking Considerations and Techniques for
Document Examiners*
workshop chaired by Mr. Larry A. Olson of the IRS
National Forensic Lab; given at the American
Academy of Forensic Sciences meeting, Chicago, IL,
2003.

*Paper Science Related to Questioned Document
Examination*
workshop taught by Dr. John F. Waterhouse; given at
the American Academy of Forensic Sciences meeting,
Atlanta, GA, 2002.

*The Forensic Examination of Plastic Identification,
Travel, and other Types of Secure Documents*
workshop taught by Mr. Ronald N. Morris and Steven
Jones, both formerly of the US Secret Service, Daryl
Hendricks of the US GSA, Richard Outland of the US
Secret Service, and Rick Lusignan of Legend
Business Systems; given at the American Academy of
Forensic Sciences meeting, Seattle, WA, 2001.

Canon Photocopier and Facsimile Training Workshop
taught by Technical Training staff members of Canon
Corp. along with forensic document examiners
Mr. Brian B. Carney, Mr. Clarke Mercer and
Ms. Joyce Lauterbach; sponsored by the American
Board of Forensic Document Examiners; given at the
Canon Training Center, Norcross, GA, 2000.

*Technology and Its Use in Questioned Document
Examination Workshop*
taught by Mr. Robert Dartnell, Mr. Leslie Hawke,
Mr. David Tobin, and Mr. Norbert Jaufmann of
Foster & Freeman; Mr. Jim Hartman, askSam
Systems; Mr. Neil Holland forensic document
examiner, private practice; given at the joint
International Association of Forensic
Sciences/American Society of Questioned Document
Examiners meeting, Los Angeles, CA, 1999.

*Forensic Document Examiners — Advance Study
Course: Examination of Medical Records*
taught by Ms. Linda J. Hart, Mr. A. Frank Hicks, Ms.
Sandra L. Homewood, Mr. A. Lamar Miller, Mr.
David L. Oleksow, Mr. Gerald B. Richards, forensic
document examiners, private practice; Mr. Albert H.
Lyter, III, ink chemist; Mr. Robert Dartnell, Foster &
Freeman; Mr. Robert P. Hart, forensic photographer;
Edward R. Blumberg, Esq, Arthur Garcia, Esq., and
Fredrick E. Hasty, III, Esq.; sponsored by the
American Board of Forensic Document Examiners,
given in Miami, FL, 1997

Digital Imaging Techniques Workshop

taught by the staff of the Imaging Technology Center, NASA Lewis Research Center, given at the Lewis Research Center in association with the annual meeting of the Midwestern Association of Forensic Scientists, Cleveland, OH, 1994.

Forensic Examination of Counterfeit Documents

taught by Mr. James F. Lerner, of the Immigration and Naturalization Service Laboratory; given at the American Society of Questioned Document Examiners meeting, Long Beach, CA, 1994.

Laser Printer Workshop

taught by Mr. Gary T. Swatton of Capricorn Data Supplies, Kanata, Ont.; given at the American Society of Questioned Document Examiners meeting, Ottawa, Ont., 1993.

Laser Printer Service

taught by Mr. Randy Armstrong of Armstrong Business Machines, Irving, TX; a short course by Tech Support Associates, given in Queens, NY, 1993.

Paper Knowledge Workshop

taught by Mr. Walter Strong of the Mead Paper Corp.; given at the Southwestern Association of Forensic Document Examiners meeting, Denver, CO., 1992.

Fraudulent Documents: Their Recognition — Part I

Fraudulent Documents: Their Deterrence — Part II

taught by Mr. James F. Lerner of the Immigration and Naturalization Service Laboratory, Mr. Richard W. French of the US Postal Inspection Service Crime Laboratory, and guests; given at the American Academy of Forensic Sciences meeting, New Orleans, LA, 1992.

Fundamentals of Chemical Detection, Measurement, and Monitoring: Analytical techniques and biosensors

taught by Prof. James H. Wiersman and Ms. Elaine M. Bower; a short course given by the University of Wisconsin, Madison, College of Engineering, Dept. of Engineering Professional Development, given in Alexandria, VA, 1992.

Canon Fax Workshop

taught by Mr. Carmello Martinez, Jr. and Ms. Charla Wykel, Canon Corp.; given at the American Society of Questioned Document Examiners meeting, Lake Buena Vista, FL, 1991.

Expert Witness Workshop

taught by Prof. Carol Henderson Garcia, Nova Law School; given at the American Society of Questioned Document Examiners meeting, Lake Buena Vista, FL, 1991.

Deposition Testimony Workshop

taught by Prof. Michael Flynn, Nova Law School; given at the American Society of Questioned Document Examiners meeting, Lake Buena Vista, FL, 1991.

Crime Scene Reconstruction

taught by Dr. Henry C. Lee of the Connecticut State Police Forensic Science Laboratory, Dr. Peter R. DeForest of John Jay College, New York City, NY, and Mr. Jerry W. Chisum of the California Department of Justice; given at the American Academy of Forensic Sciences meeting, Anaheim, CA, 1991.

Type Identification and Copyfitting for the Service Desk

taught by Mr. Steve Kennedy; given at The Typographers Association of the Greater New York Area, New York City, NY, 1990.

Law Enforcement Photography Seminar

taught by Mr. Dick M^oEvoy, Jr., Law Enforcement Programs Coordinator, Eastman Kodak Co.; presented by Eastman Kodak Co., Professional Photography Division, given in New York City, NY, 1989.

Photocopier Workshop

taught by Mr. James H. Kelly of the Georgia Bureau of Investigation Division of Forensic Sciences and Ms. Diane K. Tolliver of the Indiana State Crime Laboratory; given at the American Society of Questioned Document Examiners meeting, Crystal City, VA, 1989.

Printing Techniques for Questioned Document Examiners

a seminar taught by the faculty; given at the Technical and Education Center of the Graphic Arts, Rochester Institute of Technology, Rochester, NY, 1988.

Copier Workshop

taught by Mr. James H. Kelly of the Georgia Bureau of Investigation Division of Forensic Sciences; given at the American Academy of Forensic Sciences meeting, Philadelphia, PA, 1988.

Questioned Documents Signature Seminar

given at the American Academy of Forensic Sciences meeting, Philadelphia, PA, 1988, included:

A Review of Selected Signature Problems
taught by Mr. Donald Doud, document examiner in private practice;

Signatures - Back to Basics

taught by Mr. Frankie E. Franck of the US Postal Inspection Service Crime Laboratory;

Contrasting Defects of Forged & Genuine Signatures

taught by Mr. Ordway Hilton, document examiner in private practice.

Lithographic Materials: A Rochester Institute of Technology seminar on the interrelationship of inks, papers, plates, and fountain solutions
taught by Dr. Julius Silver of the Rochester Institute of Technology; presented in conjunction with the Printing Industry of Metropolitan New York. 1983.

Identification of Photocopiers

taught by Mr. James L. Lile of the FBI; a seminar/workshop given at the Southwestern Association of Forensic Document Examiners meeting, Albuquerque, NM, 1983.

Problems of Questioned Documents: Their investigation and prosecution

a seminar sponsored by the Criminal Justice Center, John Jay College of Criminal Justice, New York City, NY, 1981.

Office Copier Workshop: A course for document examiners

taught by Mr. James H. Kelly of the Georgia Bureau of Investigation Division of Forensic Sciences; given by the Forensic Science Foundation, given in Alexandria, VA, 1979.

Forgery and Fraud Detection

taught by Mr. Ron Dick, document examiner in private practice; given at the Institute of Criminal Law and Procedure, Georgetown University, Washington, DC, 1974.

Conventional Typewriter Classification and Identification

taught by Dr. David A. Crown of the CIA; given at the Institute of Criminal Law and Procedure, Georgetown University, Washington, DC, 1974.

Problem Cases in Conventional Typewriting Examination

taught by Dr. David A. Crown of the CIA; given at the Institute of Criminal Law and Procedure, Georgetown University, Washington, DC, 1974.

Seminar on Paper and Its Analysis for Document Examiners

taught by the staff; Institute of Paper Chemistry, Appleton, WI, 1973.

Problems in Modern Document Photography,

taught by Mr. Linton Godown, document examiner in private practice; a short course given at the Institute of Advanced Analytical Chemistry, Georgetown University, Washington, DC, 1973.

Contemporary Typewriter Identification

taught by Mr. Ordway Hilton, document examiner in private practice; a short course at the Institute of Advanced Analytical Chemistry, Georgetown University, Washington, DC, 1973.

Seminar on Microspectrofluorometry

given by Farrand Optical Co., Inc., Valhalla, NY, 1973.

Document Microscopy

taught by Mr. Joseph English, Institute of Criminal Law and Procedure; a short course given at the Institute of Advanced Analytical Chemistry, Georgetown University, Washington, DC, 1972.

Principles of Color Technology

taught by Prof. Fred W. Billmeyer, Jr. and Prof. Max Saltzman; a short course given at Rensselaer Polytechnic Institute, Troy, NY, 1972

Forensic Optical Microscopy

taught by Prof. Mary L. Willard, *professor emerita*, Pennsylvania State University; a short course given at the Institute of Advanced Analytical Chemistry, Georgetown University, Washington, DC, 1971.

PROFESSIONAL PAPERS AND PRESENTATIONS

- Some Contemporary Sources of Ultraviolet Radiation for Forensic Document Examination*
poster presentation at the American Society of Questioned Document Examiners meeting, Philadelphia, PA, 2011.
- Another Look at Stereographic Images*
presentation at the American Society of Questioned Document Examiners meeting, Victoria, BC, 2010.
- Pollution Solution? Suggested Identification and Possible Amelioration of a Potential Source of Contamination in Forensic Examinations*
presentation at the Joint Multidisciplinary Session of the Jurisprudence and Questioned Documents sections, American Academy of Forensic Sciences meeting, Seattle, WA, 2010
- The Relationship of SWGDOC and ASTM Committee E 30 — How the Courts View ASTM Questioned Document Standards*
presentation as part of the workshop on “Standards in the Forensic Sciences: Their History, Development, and Impact on Laboratory Practice” chaired by Mr. John Lentini (also workshop co-chair); given at the American Academy of Forensic Sciences meeting, Denver, CO, 2009.
- An Introduction to Typography for the Forensic Document Examiner*
mini-workshop at the 18th triennial meeting of the International Association of Forensic Sciences, New Orleans, LA, 2008.
- In-House Production of a Device for Producing Consistent Control Indentations for EDDs*
poster presentation at the American Society of Questioned Document Examiners meeting, Boulder, CO, 2007.
- Reflections on the Proceedings of the 1931 Conference of Questioned Document Examiners*
presentation at the American Society of Questioned Document Examiners meeting, Boulder, CO, 2007.
- The Polar Bears Secret: Use of polarizing filters in forensic document examination*
presentation at the Southeastern Association of Forensic Document Examiners meeting, Atlanta, GA, 2006; also given at the 7th Annual Microscope Day at John Jay, presented by New York Microscopical Society and John Jay College, New York, NY, 2009.
- The Forensic Document Examinations in the Case Concerning Maritime Delimitation and Territorial Questions between Qatar and Bahrain at the International Court of Justice*
co-presented with *Making Serendipity Happen* by Dr. M. Beth Olsen, Senior Adviser to HE the Prime Minister’s Advisor for Legal Affairs, Court of the Prime Minister of the Kingdom of Bahrain (formerly Senior Adviser on Information Systems to HE the Minister of State (Agent before the ICJ) of the State of Bahrain); presentations at the American Academy of Forensic Sciences meeting, Seattle, WA, 2006.
- Another Look Through Dicroic Filters*
poster presentation at the American Society of Questioned Document Examiners meeting, Montreal, Que., 2005.
- Keep Your IRL on the Ball: Some imaging and historiographic techniques for the examination of a baseball*
poster presentation at the American Society of Questioned Document Examiners meeting, Memphis, TN, 2004.
- The Detection of Forgery and Fraud*
in International Council for Commercial Arbitration, *International Commercial Arbitration: Important Contemporary Questions*, Albert Jan van den Berg, general editor, with the assistance of the Permanent Court of Arbitration, The Hague; ICCA Congress series No. 11; The Hague: Kluwer Law International, 2003, pp. 314-324.
- Virtual Grids: A method to illustrate findings of forensic document examinations using word processing software*
paper presented at the American Society of Questioned Document Examiners meeting, Baltimore, MD, 2003.
- The Fundamental Things Apply: Some Concise Technical Comments Germane to the Forensic Document Examinations in the Case Concerning Maritime Delimitation and Territorial Questions between Qatar and Bahrain at the International Court of Justice*
presentation at the American Society of Questioned Document Examiners meeting, San Diego, CA, 2002.
- From the ForensX-Files: A partial account of certain aspects of the public debate over the nature of a purported memo from President Truman*
presentation at the American Academy of Forensic Sciences meeting, Reno/Sparks, NV, 2000; presentation at the Mid-Atlantic Association of Forensic Scientists, Atlantic City, NJ, 2000.
- Unsuccessful Challenges to the Identification and Dating of Typewritten and Photocopied Documents.*
presentation as member of the panel on “The Impact of *Daubert*” at the Second International Symposium on the Forensic Examination of Questioned Documents, co-hosted by the FBI and NY State Police, Albany, NY, 1999.
- Forensic Document Examiners and their Critics*
informational presentation prepared for the Forensic Science Society, Documents Group meeting, London, UK, 1998.
- Microscopic Wonders: A new tool for the courtroom*
presentation at the Southwestern Association of Forensic Document Examiners meeting, San Diego, CA, 1998; presentation (with additional material by Mr. Thomas Vastrick) at the “What’s New” session of the American Society of Questioned Document Examiners meeting, Indianapolis, IN, 1998.
- Common Departures from Handwriting Copybook Standards: A Pilot Survey of the Pedagogical Literature* (Ms. Rose Karpel principal author) paper presented at the American Academy of Forensic Sciences meeting, San Francisco, CA, 1998; poster presentation at the American Society of Questioned Document Examiners meeting, Indianapolis, IN, 1998.

“What’s past is prologue” Approaches to the Examination of Documents Prepared on Contemporary Type Writing Machines

keynote address at the Third International Congress of the Gesellschaft für Forensische Schriftuntersuchung, Lucerne, Switzerland, 1997;

published in the “Commentary” column *International Journal of Forensic Document Examiners*, Vol. 3, No. 4 (1997) pp. 316–320;

paper presented at the 25th annual meeting of the Northeastern Association of Forensic Scientists, Hyannis, MA, 1999.

Pen Pressure as an Identifying Characteristic of Signatures: Verification from the computer

paper presented at the American Society of Questioned Document Examiners meeting, Chicago, IL, 1995;

published in the *Journal of the American Society of Questioned Document Examiners*, Vol. 1, No. 1 (1998) pp. 21-31; Vol. 2, No. 1 (1999) p. 56.

QDs & DBs: Questioned documents and databases

paper presented at the American Society of Questioned Document Examiners meeting, Long Beach, CA, 1994.

Alphabet Soup in a Can: An updated introduction to a pilot project for a database of organizations and groups relative to individuals appearing in court as forensic document examiners

paper presented at the Southeastern Association of Forensic Document Examiners meeting, Atlanta, GA, 1994.

The Relevance of Published Handwriting Instruction

Texts to the Contemporary Document Examiner
presentation at the American Society of Questioned Document Examiners meeting, Ottawa, Ont., 1993.

Imaging, Computers, and Documents: An incremental approach to building a system for the document examiner

paper presented at the American Society of Questioned Document Examiners meeting, Milwaukee, WI, 1992.

Questioned Document Examination in Czechoslovakia and Hungary: Observations on practice and training
technical information presentation at the American Society of Questioned Document Examiners meeting, Milwaukee, WI, 1992.

The Use of Mechanical Design Characteristics of the Element for Class Differentiation of Single Element Typewriters with Similar Typeface Designs

paper presented at the American Academy of Forensic Sciences meeting, New Orleans, LA, 1992.

Defining the Terms ‘Class Characteristic’ and ‘Individual Characteristic’: A progress report on building a voluntary consensus standard terminology for questioned document examiners

paper presented at the American Society of Questioned Document Examiners meeting, Lake Buena Vista, FL, 1991.

Terminology for Questioned Document Examiners: An ongoing project for building a voluntary consensus standard: Defining ‘class’ and ‘individual’ characteristics

paper presented at the American Academy of Forensic Sciences meeting, Anaheim, CA, 1991.

What You See Is What You Get, But How Do You See What You’ve Got?

a review of infrared viewing equipment published in *The Southwestern Examiner*, Vol. 9, No. 1 (1990).

The Bad News Filters In

a note on discontinuation of certain Kodak Wratten filters, published in *The Southwestern Examiner*, Vol. 9, No. 1 (1990).

Handwriting Terminology for Questioned Document Examiners: A pilot project for building a voluntary consensus standard

paper presented at the American Society of Questioned Document Examiners meeting, San Jose, CA, 1990;

published in the “Commentary” column *International Journal of Forensic Document Examiners*, Vol. 5 (1999) pp. 8–13.

‘Class’ and ‘Individual’ Characteristics and Related Concepts in Document Examination

presentation as member of the panel on “The Philosophy of Identification Using Class and Individual Characteristics” at the Southwestern Association of Forensic Document Examiners meeting, Oakland, CA, 1989.

Documents from Outer Space: An anachronistic type style and a transplanted signature in an ‘historical’ foundling document

case presentation at the Southwestern Association of Forensic Document Examiners meeting, Oakland, CA, 1989.

Transparencies and Acetate Overlays: Their use in the investigation and demonstration of questioned document problems

paper presented at the American Society of Questioned Document Examiners meeting, Crystal City, VA, 1989; published in the *International Journal of Forensic Document Examiners*, Vol. 3, No. 4 (1997) pp. 370–374.

Alphabet Soup, Second Helping or Next Week We’re Going to Get Organized: An updated introduction to a pilot project for a database of organizations and groups relative to individuals appearing in court as forensic document examiners

paper presented at the Southwestern Association of Forensic Document Examiners meeting, Tucson, AZ, 1989.

IR Video

workshop presentation at the SWAFDE workshop session at the joint program of the American Society of Questioned Document Examiners meeting and the Southwestern Association of Forensic Document Examiners meeting, Aurora, CO, 1988.

Alphabet Soup or Let’s Get Organized: An introduction to a pilot project for a database of organizations and groups relative to individuals appearing in court as forensic document examiners

paper presented at the Southwestern Association of Forensic Document Examiners meeting, Sparks, NV, 1988.

Pitfalls (and some basic principles) in the Examination of Documents Produced on Typewriters and Other Writing Machines

technical presentation as invited guest speaker at the Association of Forensic Document Examiners meeting, Milwaukee, WI, 1988.

Keyboard Arrangements of Writing Machines: Their significance in document examination

presentation at the 11th triennial meeting of the International Association of Forensic Sciences, meeting jointly with the American Society of Questioned Document Examiners meeting, Vancouver, BC, 1987.

- Determination of the Generation and Order of Preparation of a Photocopy*
case presentation at the Southwestern Association of Forensic Document Examiners meeting, Santa Fe, NM, 1987.
- Measurement Grids and the Contemporary Document Examiner*
technical presentation as invited guest speaker, Mid-Atlantic Association of Forensic Scientists, Alexandria, VA, 1987.
- Measurement Grids and the Contemporary Document Examiner*
paper presented at the American Society of Questioned Document Examiners meeting, Savannah, GA, 1986.
- Principles and Techniques of Typewriter Identification*
technical presentation as invited guest speaker at the Independent Association of Questioned Document Examiners meeting, Toronto, Ont., 1986.
- Measuring Devices for the Contemporary Document Examiner*
technical presentation as invited guest speaker at the Independent Association of Questioned Document Examiners meeting, Toronto, Ont., 1986.
- Lasers, Lamps, and Chemicals for Developing Fingerprints on Paper and Other Materials: Some information from IDENTA-'85 (The International Congress on Techniques for Criminal Identification and Counter-Terrorism), Jerusalem, Israel, February 24 - 28, 1985*
technical information note prepared for distribution at the American Society of Questioned Document Examiners meeting, Montreal, Que., 1985.
- Production of Exhibits for Demonstrative Evidence*
technical presentation at the Evidence Photographers International Council seminar, New York City, NY, 1985.
- Computerization of Fraudulent Cheques Collection*
(Dr. Shmuel Kraus principal author) paper presented at IDENTA-'85 (The International Congress on Techniques for Criminal Identification and Counter-Terrorism) Jerusalem, Israel, 1985.
- The Universal Torah Registry: A system for the unique identification of sacred torah scrolls*
(with Mr. David Pollock) paper presented at IDENTA-'85, Jerusalem, Israel, 1985.
- Photographic Techniques for Questioned Documents*
technical presentation at a seminar of the Evidence Photographers International Council, Rochester, NY, 1984.
- It's All Done with Mirrors: A technique for deciphering writing obliterated with opaqueing liquid*
paper presented at the American Society of Questioned Document Examiners meeting, Nashville, TN, 1984.
- Measurement and Overlay Plates for Typewriter Cases*
technical presentation as invited guest speaker at the World Association of Document Examiners regional meeting, Providence, RI, 1984.
- The Sign of Four: An empirical technique for identifying and dating typestyle design modifications*
paper presented at the American Society of Questioned Document Examiners meeting, Lake Tahoe, NV, 1983.
- Techniques for finding and illustrating 'trash marks' in a photocopy case*
(with additional comments by Mr. James H. Kelly) case presentation at the Southwestern Association of Forensic Document Examiners meeting, Albuquerque, NM, 1983.
- Infrared Luminescence and Reflected Infrared: A comparative study of some imaging techniques*
technical presentation at the Southwestern Association of Forensic Document Examiners meeting, San Francisco, CA, 1983.
- Special Photographic Problems & Techniques for the Document Examiner*
(with Mr. George Pearl) technical presentation as invited guest speaker at the Independent Association of Questioned Document Examiners meeting, Providence, RI, 1982.
- Basic Concepts in Typewriter Identification*
technical presentation as guest speaker at the Independent Association of Questioned Document Examiners meeting, Springfield, IL, 1981.
- Photographing Questioned Documents*
technical presentation at a workshop of the Evidence Photographers International Council, Cherry Hill, NJ, 1981.
- Remington Single Element Type Styles*
paper presented at the American Society of Questioned Document Examiners meeting, Vancouver, BC, 1980.
- Graphic Techniques for the Presentation of Questioned Document Problems*
technical presentation at the Evidence Photographers International Council meeting, Chicago, IL, 1977.
- Macro & Infrared Viewing with Closed Circuit TV*
technical presentation at the American Society of Questioned Document Examiners meeting ("What's New" session), San Francisco, CA, 1977.

PROFESSIONAL MEETINGS ATTENDED

American Academy of Forensic Sciences (AAFS), annual meetings:

2011 — Chicago, IL	2003 — Chicago, IL	1996 — Nashville, TN
2010 — Seattle, WA	2002 — Atlanta, GA	1995 — Seattle, WA
2009 — Denver, CO	2001 — Seattle, WA	1993 — Boston, MA
2008 — Washington, DC	2000 — Reno/Sparks, NV	1992 — New Orleans, LA
2007 — San Antonio, TX	1999 — Orlando, FL	1991 — Anaheim, CA
2006 — Seattle, WA	1998 — San Francisco, CA	1990 — Cincinnati, OH
2005 — New Orleans, LA	1997 — New York, NY	1988 — Philadelphia, PA
2004 — Dallas, TX		

American Society of Questioned Document Examiners (ASQDE), annual meetings:

2011 — Philadelphia, PA	1997 — Scottsdale, AZ	1987 — Vancouver, BC (with IAFS)
2010 — Victoria, BC	(Program Co-Chairman)	1986 — Savannah, GA
2009 — Dearborn, MI	1996 — Washington, DC	1985 — Montreal, Que.
2008 — Asheville, NC	1995 — Chicago, IL	1984 — Nashville, TN
2007 — Boulder, CO	1994 — Long Beach, CA	1983 — Lake Tahoe, NV
2005 — Montreal, Que.	1993 — Ottawa, Ont.	1979 — Rochester, NY
2004 — Memphis, TN	1992 — Milwaukee, WI	1978 — Wichita, KS (with IAFS)
2003 — Baltimore, MD	1991 — Lake Buena Vista, FL	1977 — San Francisco, CA
2002 — San Diego, CA	1990 — San Jose, CA	1976 — Atlanta, GA
2001 — Des Moines, IA.	1989 — Crystal City, VA	1974 — Milwaukee, WI
2000 — Ottawa, Ont.	1988 — Aurora, CO	1973 — Silver Springs, MD
1999 — Los Angeles, CA (with IAFS)	(with SWAFDE)	
1998 — Indianapolis, IN		

Evidence Photographers International Council (EPIC), workshops and annual meetings:

1985 — New York City, NY	1981 — Cherry Hill, NJ
1984 — Rochester, NY	1977 — Chicago, IL,

Mid-Atlantic Association of Forensic Scientists (MAAFS), annual meeting:

2000 — Atlantic City, NJ

Northeastern Association of Forensic Scientists (NEAFS), annual meeting:

2006 — Rye Brook, NY	2003 — Pittsfield, MA	1999 — Hyannis, MA
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International Association for Identification (IAI), annual meeting:

1982 — Rochester, NY

International Association of Forensic Sciences (IAFS), triennial meetings:

2008 — New Orleans, LA (Co-convenor, QD section)	1984 — Oxford, England
1999 — Los Angeles, CA (with ASQDE)	1978 — Wichita, KS (with ASQDE)
1993 — Düsseldorf, Germany	1975 — Zurich, Switzerland
1987 — Vancouver, BC (with ASQDE)	1972 — Edinburgh, Scotland

Southeastern Association of Forensic Document Examiners (SAFDE), annual meeting:

2004 — Atlanta, GA	1995 — Atlanta, GA	1994 — Atlanta, GA
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Southwestern Association of Forensic Document Examiners (SWAFDE), semiannual meetings:

2004 (Fall) — Golden, CO	1992 (Fall) — Denver, CO	1988 (Spring) — Sparks, NV
1999 (Spring) — Las Vegas, NV	1991 (Fall) — Phoenix, AZ	1987 (Spring) — Santa Fe, NM
1998 (Spring) — San Diego, CA	1989 (Fall) — Oakland, CA	1986 (Spring) — Denver, CO
1996 (Spring) — Reno, NV	1988 (Fall) — Aurora, CO	1983 (Fall) — Albuquerque, NM
1995 (Spring) — San Diego, CA	(with ASQDE)	1983 (Spring) — San Francisco, CA

The International Congress of the Gesellschaft für Forensische Schriftuntersuchung

1997 — Lucerne, Switzerland	1995 — The Hague, Netherlands
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Second International Symposium on the Forensic Examination of Questioned Documents, co-hosted by the FBI Laboratory Division and the New York State Police Forensic Investigation Center, Albany, NY, 1999.

International Symposium on Fingerprint Detection & Identification — Ne'urim, Israel, 1995.

KRIMINALEXPO '92 — Modern Criminal Investigation and Modern Technology, Budapest, Hungary, 1992.

Spectrum 91 — International Symposium on Forensic Techniques, Detroit, MI, 1991.

IDENTA-'85 — The International Congress on Techniques for Criminal Identification and Counter-Terrorism, Jerusalem, Israel, 1985.

Second International Conference on Forensic Activation Analysis, Glasgow, Scotland, 1972.

TEACHING AND LECTURING

The Investigator and the Prosecutor and the Document Examiner

invited lecturer at the Federal Law Enforcement Forum, Office of the United States Attorney for the Southern District of New York, White Plains, NY, 2010.

Criminalistics for Poets: Learning to listen to the typescript

a Small Press in the Archive presentation as invited guest lecturer, University at Buffalo, State University of New York, 2009.

The Librarian and the Forensic Document Examiner in the Detection of Forgery and Fraud

class lecture as invited guest lecturer for Information Services and Resources course, Pratt Institute, School of Information & Library Science, New York City, 2008.

Review of the ASTM Guide for the Examination of Typewritten Items

one day professional level workshop for crime laboratory personnel of the New York City Police Department and the New York State Police, given at the NYPD Lab, 2008.

Forensic Document Examination, Part III: Mechanically Produced Documents

(with John P. Osborn) lecture in a continuing legal education (C.L.E.) lecture series presented by the New York County District Attorney's Office, Legal Training Unit, 2007.

Forensic Document Examination

guest lecturer, Graduate Student Seminar, Forensic Science Faculty, University of New Haven, (CT), 2006.

An Introduction to Typography for the Forensic Document Examiner

half-day workshop at the annual meeting of the Northeastern Association of Forensic Scientists, Newport, RI, 2005.

The Forensic Document Examiner

invited presenter for the panel on "Authenticity: Investigating documents and forgeries" at the annual meeting of the Investigative Reporters and Editors, Inc., Denver, CO. 2005.

The Attorney and the Document Examiner in the Detection of Forgery and Fraud

lecture for the attorneys in the Office of the Prosecutor for the Northern District, Nazareth, Israel, 2003.

Questioned Documents

invited presenter (lecture and labs) for *Forensic Science Educational Conference/New York City*, a collaborative project hosted by the American Academy of Forensic Science, Pace U., and Court TV, New York City, NY 2002.

The Detection of Forgery and Fraud

invited speaker for the program on *International Commercial Arbitration: Important Contemporary Questions*, 16th ICCA Congress, International Council for Commercial Arbitration, London, England, 2002.

Typewriting Examinations and Classification Workshop

(with Dr. Philip D. Bouffard and Mr. Robert J. Muehlberger) three day professional level workshop, co-sponsored by the Southwestern Association of Forensic Document Examiners and the American Board of Forensic Document Examiners, Las Vegas, NV, 1999.

VSC (Video Spectral Comparator) Training Course for the Customs Authority the People's Republic of China

(with Mr. Leslie Hawke of Foster & Freeman) professional level training course, presented by Foster & Freeman, Ltd. (UK), New York, NY, 1998.

Typewriting Examinations and Classification Workshop

(with Dr. David A. Crown, and Mr. Robert J. Muehlberger) two day professional level workshop, co-sponsored by the Southeastern Association of Forensic Document Examiners and the American Board of Forensic Document Examiners, Atlanta, GA, 1995.

Typewriting Examinations and Classification Workshop

(with Dr. Philip D. Bouffard, Dr. David A. Crown, and Mr. Robert J. Muehlberger) three day professional level workshop, co-sponsored by the Midwestern Association of Forensic Scientists and the American Board of Forensic Document Examiners, Cleveland, OH, 1994.

The Document Examiner and the Investigator

training program for the staff of the Security Department of the New York Telephone Co., New York City, NY, 1992.

Document Examination

training program for attorneys and investigators of the New Jersey Department of the Public Advocate, Office of the Public Defender, Trenton, NJ, 1992.

The Document Examiner and the Criminal Defense Attorney

lecture with one hour of continuing legal education (C.L.E.) credit presented at the monthly meeting of the Criminal Courts Bar Association of Nassau County, Inc., 1992.

Document Examination

training program for attorneys and investigators of the New Jersey Department of the Public Advocate, Office of the Public Defender, Trenton, NJ, 1990.

The Theory and Practice of Contemporary Writing Machine Identification

course for crime laboratory personnel of the Department of Criminal Identification, Israel National Police, Jerusalem, Israel, 1989.

Document Examination

training program for attorneys and investigators of the New Jersey Department of the Public Advocate, Office of the Public Defender, Trenton, NJ, 1989.

Document Examination

lecture at the Forensic and Investigator Forum, presented by the New York State Defenders Association in cooperation with the Oneida County Public Defender Office and Hudson Valley Community College, Utica, NY, 1987.

Document Examination

training program for attorneys and investigators of the New Jersey Department of the Public Advocate, Office of the Public Defender, Trenton, NJ, 1987.

Signature Verification

training for selected personnel of Bankers Trust, New York City, NY, 1984.

The Document Expert on the Stand

class lecture as invited guest lecturer for Trial Techniques course, Pace University School of Law, Westchester, NY, 1983.

Questioned Documents

(with Pearl L. Tytell) lecture as part of Investigative Techniques course for Department of Social Services personnel given by the Center for Productive Public Service, John Jay College of Criminal Justice, New York City, NY, 1979.

Typewriter Identification

short course for crime laboratory personnel, Dade County Department of Public Safety, Miami, FL, 1978.

Line Intersections

short course for crime laboratory personnel, Dade County Department of Public Safety, Miami, FL, 1978.

Typewriters: Mechanical principles and identification

short course presented at the Questioned Document Seminar/Workshop meeting of the Southern Association of Forensic Sciences, Atlanta, GA, 1977.

CONSULTATIONS

Law Enforcement

United States Department of Justice
Anti-Trust Division
Organized Crime Strike Force
Office of Special Investigations
United States Attorney's Office
District of New Jersey
Eastern District of New York
Southern District of New York
District of Vermont
These cases involved investigators and/or agents from various agencies, including:
Dept. of Agriculture
Customs Service
Dept. of Defense
Drug Enforcement Administration
Federal Aviation Administration
Federal Bureau of Investigation
Dept. of Health, Education & Welfare
Immigration & Naturalization Service
Internal Revenue Service
Dept. of Labor,
Office of Labor Racketeering
Postal Inspection Service
Dept. of Transportation

United States Department of State
Office of International Claims
& Investment Disputes
State of New York
Office of the Attorney General
Criminal Prosecutions Bureau
Office of the District Attorney
Kings County
New York County
Suffolk County
Prosecutor for the Northern District, Israel
Florida Department of Law Enforcement,
Pensacola Regional Crime Laboratory
Wisconsin State Crime Laboratory, Madison
Royal Canadian Mounted Police
Israel National Police
Landeskriminalamt Baden-Wurttemberg,
(Baden-Wurttemberg (Germany)
State Crime Laboratory)

Legal Aid Societies, Public Defenders, etc.

Federal Defender Services
Eastern District of New York
Southern District of New York
Legal Aid Societies (New York State)
Bronx County (Criminal)
Nassau County (Criminal)
New York County (Civil & Criminal)
Nassau/Suffolk Law Services Committee, Inc.

New Jersey Department of the Public Advocate
Office of the Public Defender
New York State Defenders Association
New York State Capital Defender Office
Community Law Offices
Harlem Assertion of Rights, Inc.
Hofstra University School of Law
Community Legal Assistance Corp.
Housing Rights Clinic

Other Clients and Consultations

American International Realty, Corp.
American International Group, Inc. (AIG)
State of Bahrain (*Qatar v. Bahrain, ICJ*)
Barnard College
Barnes Foundation
Chase Manhattan Bank
Chemical Bank
Con Edison
Cooper-Hewitt Museum (*typewriter history*)
Dean Witter Reynolds, Inc.
Extebank
Forensic Accountants, Inc.
Forensic Control Systems
Government Employees Insurance Co. (GEICO)
Heidelberg Eastern, Inc.
Kroll Associates
Lancer Productions (*"Kennedy/Monroe" papers*)

Yoko Ono Lennon
Macy's and Macy's Northeast
Maher Terminals, Inc.
Michigan Consolidated Gas Company
The Morgan Library & Museum
Thaw Conservation Center (*IR imaging*)
MorganStanley
National Labor Relations Board (NLRB)
New York City Campaign Finance Board
New York Philharmonic Society
New York Telephone Company
New York Times
North Fork Bank
Rutgers, the state university of New Jersey
Sony Music Entertainment (Germany), GmbH.
United Federation of Teachers
United Nations

CONSULTATIONS

New York State Law Firms

Ainsworth Sullivan Tracy Knauf Warner & Ruslander
Alston & Bird
Baker & McKenzie
Beldock Levine & Hoffman
Benetar Bernstein Schair & Stein
Bingham McCutchen
Bryan Cave
Bryan Levitin Franzino & Rosenberg
Cahn Wishod Wishod & Lamb
Cooper Erving Savage Whalen Nolan & Heller
Curtis Mallet-Prevost Colt & Mosle
Davis Polk & Wardwell
Dorfner & Mahler
Duker Barrett Gravante & Markel
Edwards & Angell
Ellen Grossman & Schole
Engel & Mulholland
Emmet Marvin & Martin
Epstein Becker & Green
Fensterman & Fensterman
Fischetti & Russo
Fish & Richardson
Friedman & Gass
Friedman & Shaftan
Gair Gair Conason Steigman & Mackauf
Gaston & Snow
Graubard Moskowitz M^cGoldrick Dannett & Horowitz
Hill Betts & Nash
Jones Day Reavis & Pogue
Kaye Scholer Fierman Hays & Handler
Kelley Drye & Warren
Kellner Chehebar & Deveney
Kenyon & Kenyon
Kramer Levin Naftalis & Frankel
Kronish Lieb Weiner & Hellman
Lane & Mittendorf
Leahy & Johnson

Liotti & Skelos
Lord Day & Lord, Barrett Smith
Marks Murase & White
Meyer Suozzi English & Klein
Migdal Pollack Rosenkrantz & Sherman
Millbank Tweed Hadley & M^cCloy
Montfort Healy M^cGuire & Salley
Moses & Singer
Newman Schwartz & Greenberg
Obermaier Morvillo & Abramowitz
Paul Weiss Rifkind Wharton & Garrison
Patterson Belknap Webb & Tyler
Pavia & Harcourt
Pollack & Greene
Proskauer Rose Goetz & Mendelsohn
Rosner & Goodman
RubinBaum
Schillinger & Finsterwald
Schwartzfeld Ganfer Shore & Rosenblum
Seyfarth Shaw Fairweather & Geraldson
Shea & Gould
Siff Rosen
Simpson Thacher & Bartlett
Skadden Arps Slate Meagher & Flom
Solomon Zauderer Ellenhorn Frischer & Sharp
Sonnenschein Nath & Rosenthal
Spota O'Rourke & Ammerman
Stillman Friedman & Shaw
Stroock Stroock & Lavan
Sullivan & Liapakis
Summit Rovins & Feldesman
Vladek Waldman Elias & Englehard
Walter Conston Alexander & Green
Weiss Buell & Bell
White & Case
Willkie Farr & Gallagher
Whitman Breed Abbott & Morgan

Out of State Law Firms

Berger & Montague, *Philadelphia, PA*
Berwin Leighton, *London, England*
Bilbie Whitford & Dan, *Newcastle, NSW, Australia*
Blank Rome Comisky & McCauley, *Philadelphia, PA*
Bonner Kiernan Trebach & Crociata, *Washington, DC*
Bradshaw Fowler Proctor & Fairgrave, *Des Moines, IA*
Buchanan Ingersoll, *Pittsburg, PA*
Carpenter Bennett & Morrissey, *Newark, NJ*
Clifford Chance, *Hong Kong*
Crowell & Moring, *Washington, DC*
Cohen Shapiro Polisher Shiekman & Cohen,
Philadelphia, PA
Connell Foley & Geiser, *Roseland, NJ*
Dilworth Paxon, *Philadelphia, PA*
Fishman Franzblau & Falkin, *Roseland, NJ*
Fleming Merrill & Roth, *Newark, NJ*
Freshfields, *London, England; Paris, France*
Fulbright & Jaworski, *Houston, TX*
Garruto Galex & Cantor, *East Brunswick, NJ*
Goldstein & Manello, *Boston, MA*
Greenberg Margolis Ziegler Schwartz Dratch,
Roseland, NJ
Greene & Markley, *Portland, OR*
Hogan & Hartson, *Washington, DC*
Johnson Stokes & Master, *Hong Kong*
Keck Mahin & Cate, *Chicago, IL*

Landau and Scanlan, *London, England*
Lowenstein Sandler Kohl Fisher & Boylan,
Roseland, NJ
Lum Hoens Abeles Conant & Danzis,
Newark, NJ; Roseland, NJ
MacElree Harvey, *West Chester, PA*
Mayer Brown, *Houston, TX*
M^cCutchen Doyle Brown & Enersen, *San Francisco, CA*
M^cKenzie Martin Taylor & M^cConnaughey, *Atlanta, GA*
Morrison & Foerster, *Orange Co., CA; San Francisco, CA*
Murphy Taylor Siemens & Elliott, *St. Joseph, MO*
Paterson Lorentzen Duffield Timmons Irish Becker &
Ordway, Des Moines, IA
Pepper Hamilton & Scheetz, *Philadelphia, PA*
Peterson & Bernard, *Ft. Lauderdale, FL*
Pillsbury Madison & Sutro, *San Francisco, CA*
Riker Danzig Scherer Hyland & Perretti,
Morristown, NJ
Secretan Troyanov, *Geneva, Switzerland*
Seyfarth Shaw, *Boston, MA*
Skadden Arps Slate Meagher & Flom, *Wilmington, DE*
Smith Mullin & Kiernan, *West Orange, NJ*
Steefel Levitt & Weiss, *San Francisco, CA*
Sulloway & Hollis, *Concord, NH*
Townsend & Townsend, *San Francisco, CA*
Venable Baetjer Howard & Civiletti, *Washington, DC*

APPEARANCES AS AN EXPERT

FEDERAL

Eastern District of New York

6/19, 20/78	Judge George C. Pratt	US v. Wilson (78 CR 178)	HW, HP, SI, SO.
6/26, 27/78	Judge J. F. Dooling, Jr.	US v. Diaz (77 CR 644)	SO, SI.
1/18/79	Judge Edward R. Neaher	Hudson Transit Lines v. Freund et al. (76 CV 1836)	SO, SI.
4/20/79	Judge Edward R. Neaher	Deutsch v. Raffles (75 CV 697)	TW.
3/6, 10/80	Chief Judge Jacob Mishler	US v. Mesa-Valencia, et al. (79 CR 578 (S))	HW, HP, NM, ES.
8/29/80	Senior Judge Jacob Mishler	US v. Vogwill, et al. ((80 CR 320)	HW, HP, SI, SO.
2/13, 17/81	Judge Eugene H. Nickerson	US v. Shurkman (80 CR 460)	SI, HW, HP, DI.
3/2, 3/81	Chief Judge Jack B. Weinstein	US v. Muni (80 CR 683)	CR, SI, SO.
6/18/81	Judge Charles P. Sifton	US v. Qumar (81 CR 113)	HW, HP, DI.
12/1/81	Judge Eugene H. Nickerson	US v. Cefalu (81 CR 373 (S))	HP.
1/20/82	Judge Mark Costantino	US v. Sosnowski (81 CR 430)	HW, HP, RS, PC, LI.
4/27/82	Judge Joseph M. McLaughlin	US v. Alvarado (81 CR 688 (S))	HW, HP, NM.
9/17/82	Chief Judge Jack B. Weinstein	US v. Maniego (82 CR 237 (S))	HP, SI.
11/25/83	Senior Judge Jacob Mishler	US v. Faragasso (83 CR 124 (S))	SI, SO, HP.
6/27/85	Judge Eugene H. Nickerson	US v. Metz (85 CR 64)	HW, HP, NM, SI, SO, TW, PR, RS.
9/20/85	Judge Charles P. Sifton	US v. Pignatalli (85 CR 250)	SI.
9/30/85	Judge Francis X. Altimari	US v. McKay (85 CR 364)	AL, IR, IK.
1/3, 6/86	Judge Eugene H. Nickerson	US v. Williams (85 CR 514 (S))	TW, AL, PC.
1/14/86	Judge I. Leo Glasser	US v. Levasseur (85 CR 143)	DE.
1/27/86	Judge Herbert N. Maletz	US v. Salstein (84 CR 586 (S))	HW, HP, NM, ID, ES.
2/5/86	Judge Henry Bramwell	US v. Viana (85 CR 721)	HW, HP, NM, FF, PA.
10/27, 28/86	Judge Herbert N. Maletz	US v. Pinto (85 CR 491 S)	HW, HP, NM.
1/15/87	Judge Charles P. Sifton	US v. Sorrentino (85 CR 757 (S2))	HW, HP, NM, SI, SO.
3/2/87	Judge Henry Bramwell	US v. Balbin (86 CR 598)	HW, HP, NM, DI.
9/14/87	Judge I. Leo Glasser	US v. Fulton (87 CR 260 (S))	NM, HP.
9/22, 23, 28/87	Judge Joseph M. McLaughlin	US v. Santa Cruz, et al. (85 CR 598 (S))	HW, HP, NM, IN, SO, DI, CD.
12/17/87	Senior Judge John R. Bartels	US v. Arrango, et al. (87 CR 179 (S))	HW, HP, NM, FF, PK.
1/11/88	Judge Raymond J. Dearie	US v. Hernandez (87 CR 608)	HW, HP, NM, DI.
1/28/88	Judge I. Leo Glasser	Vargas v. Correa (86 CV 3001)	AG, DA, TW, PC, SI.
3/8/88	Judge Charles P. Sifton	US v. Gutierrez-Barranco, et al. (87 CR 779)	HW, HP, NM, ES.
3/24, 25/88	Judge Mark Costantino	US v. Franco, et al. (87 CR 585)	HW, HP, NM, DI.
3/28/88	Judge Charles P. Sifton	US v. Campino, et al. (87 CR 816)	HW, HP, NM.
8/1/88	Judge Raymond J. Dearie	US v. Tonge (88 CR 196 (S))	HW, HP, NM, SI, DI.
10/5/88	Judge Charles P. Sifton	US v. Marzouca, et al. (88 CR 377)	HP, NM.
4/27/89	Judge Charles P. Sifton	US v. Wood, et al. (88 CR 723)	HP, NM.
5/17, 18/89	Chief Judge Thomas C. Platt	US v. Mickens, et al. (88 CR 309 (S2))	SI, SO HP, NM.
10/11/89	Judge Joseph M. McLaughlin	US v. Upfallow (89 CR 314)	SO.
11/20/89	Judge Charles P. Sifton	US v. Acosta-Herrera (88 CR 658)	HP, NM.
5/23/90	Judge Charles P. Sifton	US v. Jackson aka Simon (90 CR 216)	SO, HW, NM.
8/23/91	Judge Gerald E. Rosen	US v. Mapoma (91 CR 109)	CS, CW, TW, SI, SO, NM.
10/9, 11/91	Senior Judge Jacob Mishler	US v. Deutsch (91 CR 573)	SI, SO, HW, HP.
8/10/92	Judge Robert R. Merhige	US v. Perez (91 CR 680)	SI, HW, NM.
5/19/93	Judge Raymond J. Dearie	US v. Miller, et al. (92 CR 91)	HW, HP, NM.
1/31/94	Judge Raymond J. Dearie	US v. Freund (93 CR 712)	ST, ID, ES, IK, PR.
6/21/94	Judge Howard B. Turrentine	US v. Chica (94 CR 406)	SI, HW, HP, NM.
6/16/95	Judge David G. Trager	US v. Ortiz (94 CR 389)	SI, SO, HP, NM, TW.
9/13/95	Senior Judge Jacob Mishler	US v. Busiello (95 CR 481)	HP, NM, SO, DI.
3/4/96	Judge John Gleeson	US v. Burnett (95 CR 272)	HP, NM.
3/13/96	Judge Reena Raggi	US v. Aviles Laguardia and Diaz (95 CR 579)	HW, HP, NM.
5/22/96	Judge Sterling Johnson	US v. Tejada (95 CR 961)	HP, NM, SI.
7/24/96	Judge Allyne R. Ross	US v. Friedman, et al. (95 CR 192)	HW, HP, NM, SI, SO.
8/6/96	Judge Reena Raggi	US v. Beras (96 CR 89)	HW, HP, NM, SI.
4/29/97	Judge Arthur D. Spatt	US v. Sommerstein, et al. (96 CR 657)	HW, HP.
1/21/98	Judge Carol Amon	US v. Hall (97 CR 680)	SI, HW, HP.
10/2/00	Magistrate Judge J. M. Levy	Strauss v. Envelope Mfrs., et al. (98 CV 6320) (<i>hearing</i>)	AL.
12/4/01	Judge David G. Trager	Strauss v. Envelope Mfrs., et al. (98 CV 6320)	IK, ID, IR, IS, AL, AG.
1/22/02	Judge Sterling Johnson	US v. O'Kane (99 CR 536)	HP, NM.
1/28, 29/02	Judge Reena Raggi	US v. Califano, et al. (01 CR 56)	HW, HP, NM, IR, AL, TS.
9/30/02	Judge Allyne R. Ross	US v. Ramos (01 CR 15)	HP.
11/12/02	Judge I. Leo Glasser	US v. Santoro (01 CR 416 (S-6))	AL, LI, LP, PC.
4/21/03	Judge Nicholas G. Garaufis	US v. Damti, et al. (02 CR 471 (S-1))	HP, NM, IN, SI, SO.
12/31/03	Judge Nina Gershon	US v. Lugo (01 CR 922 (S-7))	HW, DI.
2/7/05	Judge Nicholas G. Garaufis	US v. Pressley, et al. (03 CR 297)	HP, NM.
12/5, 13/07	Judge Joanna Seybert	US v. Persico, et al. (04 CR 911)	HW, HP, NM.

APPEARANCES AS AN EXPERT

FEDERAL

Southern District of New York

3/29/78	Judge Gerald L. Goettel	US v. Munoz (77 CR 644)	TS, TW, TP.
6/6/78	Judge Richard Owen	US v. Munoz (77 CR 644)	TS, TW, TP.
10/10/80	Judge Lee P. Gagliardi	US v. Cora (80 CR 452)	HW, HP.
11/5/81, 1/4, 5/82	Judge Robert L. Carter	Hibernia National Bank v. Banco Atlantico, SA	AL, IS, LI, PC.
1/12, 13/82	Judge Morris E. Lasker	US v. Masseria (81 CR 730)	SI, SO, HW, HP, DI.
5/17/82	Judge Robert L. Carter	US v. John Levasseur	HP, NM.
5/8/89	Judge Thomas P. Griesa	US v. Davis, et al. (87 CR 853(SSSSS))	HW, HP, NM.
2/7, 14/90	Judge John F. Keenan	US v. Evans, (89 CR 362(SS))	ES, PC, MT, HW.
12/17/91	Judge Charles M. Metzner	Talibon v. Duffany, (88 CV 856)	SI, SO, HP, NM, ES.
6/8, 9, 10/98	Judge Lawrence M. McKenna	US v. King, et al. (94 CR 455(S))	TS, TW, DA.
4/21, 22/99	Judge Denise Cote	US v. Cusack (98 CR 691)	DA, TS, TW, CC, DE.
5/30/06	Judge Paul A. Crotty	Procter & Gamble Pharmaceuticals, et al. v. Hoffmann LaRoche, et al. (06 CV 34)	HW, SI, PA, IK, ER, IR.
5/31/07	Judge Richard M. Berman	Dear Cinestudi S.p.A. v. International Media Films, Inc., et al. (03 CV 3038)	DA, TS, LP, TW, IK.
7/15/08	Judge John G. Koeltl	Ragone v. Atlantic Video, et al. 2007 CV 6048	HW, HP, NM.

Northern District of New York

10/27/87	Chief Judge Howard G. Munson	US v. Oswego Asphalt Corp.	HP, NM, IK.
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District of New Jersey

11/22/91	Judge H. Lee Sarokin	Banc One Leasing v. L.T.D. Enterprises (88 CV 4660)	SI, DI, LI.
12/6/91	Judge John C. Lifland	US v. McCann (91 CR 347)	TW, CL, IN.
1/20, 21, 28, 29/93	Judge H. Lee Sarokin	US v. Torres, et al. (91 CR 394)	SI, SO, HW, HP, NM, DE, IR.
2/10/99	Judge Robert H. Rodriguez	US v. Porro, et al. (96 CR 420)	DA, PC, IJ.
10/26/04	Judge Jose L. Linares	US v. Nardone, et. al. (03 CR 327)	TS, TW.

District of Massachusetts

10/21/03	Judge Rya W. Zobel	Brienze v. Prudential Securities, Inc. (02 CV 11715),	SI, HP, NM.
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District of Vermont

4/7/92	Judge Franklin S. Billings, Jr.	US v. Bloomer (91 CR 81)	TS, TW, TP, ID.
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Bankruptcy Court

8/7/00	Southern District of New York Judge Richard L. Bohanon	Re: Vytautas Vebeliunas (99-2379)	SI, ST, PC.
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Grand Jury

	Eastern District of New York		
3/16/82	In re: Jen0 & Helen Mann		SI, SO, HW, HP.
5/3/84	In re: FAA — JFK Airport frauds		HW, HP, NM, SI, SO, RS, PR, TW.
4/29/86	In re: Defense Dept. frauds		HW, HP, NM, SI, SO, IR, AL, MT, PC.
12/11/86,			
3/12/87, 4/16/87	In re: John Doe (Attanasio, et al)		HW, HP, NM, SI, SO.
10/2/96	In re: SEC investigation		SI, SO, ID, ES.

Depositions

	Middle District of Florida		
12/8/98	Commerce Bank, N.A., et al. v. Ogden, Newell & Welch, et al. (94-51-CV-J-16A)		TW, TS, AG, DA, CC, PC.
	Western District of Michigan		
9/1/11	Bassali v. Johnson Controls, Inc. (1:08-CV-00029)		TW, IS.
	Southern District of New York		
4/3/01	Agnes Trouble v. The Wet Seal, Inc. (99 CV 10997)		HW.
4/5/06	Procter & Gamble Pharmaceuticals, et al. v. Hoffmann LaRoche, et al. (06 CV 34)		HW, SI, PA, IK, ER, IR.
3/5/08	Covina 2000 Ventures, et al. v. Merrill Lynch, et al. (06 CV 15497)		SI.
3/31/11	Abraham Leser v. US Bank National Assn. Civil Action No. 1:09 CV 02362 (KAM-ALC)		SI, ES.

APPEARANCES AS AN EXPERT

NEW YORK

Supreme Court

New York County

4/4, 5/77 Judge Gelanoff Tirado v. Sachs (5532/77) SI, SO.
heard by Referee Lloyd Paperno
8/15, 18, 19/80 Referee Hurowitz Gruskin v. Board of Elections (15342/80) SI, SO, PR, PA.
8/26/82 Referee Sheehan Berlin v. Kirby SI, SO.
8/8/85 Judge Joan B. Carey People v. Rifkin (7933/84) SI (Hebrew).
4/27, 6/1/92 Judge Elliott Wilk Klein v. Klein (78573/87) SI, PC.
1/17/95 Judge Lewis R. Friedman Haymes v. Haymes (10815/90) SI, PC, TW, AL, IS.
8/28/95 Judge Lewis R. Friedman Deutsch v. Deutsch (72326/92) PC, TS, TW.
10/28/97 Judge Ira Gammerman Segall, et al. v. Nelkin (601386/97) PC, MT.
heard by Special Master Lewis Crespo
1/25/08 Judge Ira Gammerman Baje Realty v. Cutler et al. v. Bianco et al. (19205/90) AG, DA, SI.

Kings County

10/19/82 Justice Eugene Berkowitz Beaty v. Owens (22211/82) SI, SO.
8/16/89 Justice Samuel Greenstein Pellegrio v. Giuliani (19100/89) AL, IK, IR

Nassau County

11/29/77 Justice Mario Pittoni Bodner v. Booksin TW.
12/21/77 Justice James F. Niehoff Koden v. Katz, et al AL, PC.
9/3/87 Justice Alfred S. Robbins Shickler v. Nassau Trust AL, IS, CC, CL, TW, LI.

Suffolk County

10/22/92 Justice Patrick Henry Extebank v. Max Cohen & Sam Antar (88-13121) SI.
11/16-17/95 Justice Arthur G. Pitts People v. Grieco (95-993223) SI, PC, PR, TP, TW.

Queens County

8/24/71 Justice Leo Brown Stein v. Zelman SI, SO.
5/21/74 Justice Ann B. Dufficy Bauso v. Bauso SI.
4/11/77 Justice Martin Rodell In re: Capalazzi Petition SI, SO.
6/13, 21/95 Justice Edwin Kassoff Fidelity New York FSB v. Efraimov, et al. (13557/91) SI.
6/24/97 Justice Sidney Levis P&F Trucking, Inc. v. Carol Ceparano as executrix (12779/91) SI.

Bronx County

3/20/80 Referee John Buckley Azur v. Ortiz (7269/80) SI, SO.
5/19/87 Justice Antonio I. Brandveen People v. Rodriguez (407/86) SI, HP, NM, LI.

Surrogate's Court

New York County

11/7/79 Surrogate Marie M. Lambert The Estate of Benjamin Broudy SI, AL, AG, TW, DA, PA, ST, IS.

Queens County

6/21, 24/91 Surrogate Louis D. Laurino The Estate of Harry L. Kohn (5629/89) SI, TW, PC, NM.

Landlord & Tenant Court

New York County

3/21, 25, 26/80 Judge Ira Gammerman EDSCO v. Mandelbaum TW.
12/5/91 Judge Jane S. Solomon Terranova v. Nackab (Index # 88795/91) ES, IR.

Bronx County

4/14, 15/97 Judge Debra Rose Samuels 3411 Loeser Realty v. Jerome Ave. Party Center. (76348/96) SI, RS.

Civil Court of the City of New York

Kings County: Commercial Part

6/15/09 Judge Carolyn E. Wade Manna v. Albano, et al. (08K077477) MT, FX, SI.

Grand Jury

Kings County

10/8/76 In re: Ada Messina HW, HP, NM, SI, SO, TW, PC, DE.

New York County

4/24/03 In re: People v. John Doe ICMS #F2002-004426 AL, PC, SI.

Suffolk County

5/17/79, 6/14/79 In re: Suffolk Co. sewer fraud TW.

Depositions

Supreme Court, New York County

5/23, 25/07 Emanuel Hirsch, et al. v. Food Resources, Inc., et al.(602964/04) SI, AL, PC, PA.

NEW JERSEY

Superior Court, Passaic County — Law Division

5/19/94 Judge Christine L. Miniman Jackobovics v. Polymeric Resources, et al. (L-84225-87)AL, MT, TS, TW.

Depositions

Superior Court, Morris County — Chancery Division

4/23/04 Beaumont v. Huff-Mendez (C-206-03) SI, AL.

A P P E A R A N C E S A S A N E X P E R T

MICHIGAN

Superior Court, Detroit

3/13/74 Judge Kaufman Sloan v. Sloan AG, TS, TW, DA.

MISSOURI

Circuit Court, Buchanan County — Division No. 4

5/13/09 Senior Judge Michael J. Maloney Janovec v. Larkin, et al. (07BU-CV04380) TW, SI, SO, ID.

Depositions

11/19/08 Janovec v. Larkin, et al. (07BU-CV04380) TW, SI, SO, ID.

PENNSYLVANIA

Court of Common Pleas, Delaware County — Orphans' Court Division

3/11/10 Pres. Judge Joseph P. Cronin, Jr. In re the Estate of Anthony A. Martino, deceased (463/08) SI.

Court of Common Pleas, Montgomery County — Orphans' Court Division

7/28/98 Judge Stanley R. Ott In re The Barnes Foundation (58,788) AG, TS, TW, CC, DA, TP, ID.

Disciplinary Board of the Supreme Court of Pennsylvania

9/25/00 In re Anonymous (22DB1999; 48DB2000) AG, TS, TW, DA, CP, LP, PR.

AUSTRALIA

Supreme Court of New South Wales, Sydney Registry — Equity Division

2/23/94 Mr. Justice Hulme Edward Lunn, et al. v Leslie Savage et al. (3047/89) AG, CC, DA, IK, IR, PA, TP, TS, TW.

HONG KONG

High Court of the Hong Kong Special Administrative Region, Court of First Instance

10/17-19/01 Mr. Justice Yam Wang Din Shin v Nina Kung (alias Nina T. H. Wang) AG, IK, DA.
In re the Estate of Wang Teh Huei. (P8 of 1999)

ISRAEL

District Court, District of Nazareth

12/1, 3/03 Judge Abraham Abraham State of Israel v. Melamed (1157/02 CR) SO, IK, ID, ES, PC, MT.

AMERICAN ARBITRATION ASSOCIATION

4/16/79 Arbitrator Stanley Aiges United Telecommunications Workers and New York Telephone Co. (Telco Case # A 78-90) AL, LI.
Re: Discharge of Karen Shugrue

5/11/94 Arbitrator Rodney Dennis The Woodlawn Cemetery and The Cemetery Workers and Greens Attendants Union, Local 365, SEIU, AFL-CIO (13-300-01560-90) HP, DE, IR, DI.

4/11/00 Arbitrator William Spiro Fuks v Shomron, et al. (13-180-01162-97) AL, PC, MT, TW.

INTERNATIONAL CENTRE FOR THE SETTLEMENT OF INVESTMENT DISPUTES (ICSID)

11/5/09 Mr. Michael Hwang, S.C., President of the Tribunal;
Mr. Henri C. Alvarez, Q.C. and Sir Franklin Berman, Q.C., Arbitrators
Libananco Holdings Co. Ltd v. Republic of Turkey (Case No. ARB/06/8) ES, ID, RS.

NATIONAL ASSOCIATION OF SECURITIES DEALERS

2/13/97 Chairman Simon S. Kogan, Esq. Palmatier v. Barberis and Smith Barney, Inc. (94-05493) SI, IR, ES.

5/1/97 Chairman Mr. David E. Robbins Hardoon, et al. v. Marsh Block, et al. (94-05186) FX, MT.
Mr. Paul E. Barr and Mr. Harry Weiss, Panelists

1/9/04 Chairman Grupp Metro Equip., et al. v. Morgan Stanley Dean Witter (01-05369) DA, IK, IR, ID, ES, HW, HP.

5/16/06 Chairman Ira Auerbach O'Brien v. PKS and Valente (05-01834) NM.

12/19/06 Chairman Alan Shaw, Esq. Chiam Levin v. GFI Securities, Inc., et al. (02-03848) PC, IN, MT.
John Astorina, Esq. and Louis Miron, Esq., Panelists

NATIONAL LABOR RELATIONS BOARD

New York County

3/28/91 Judge Raymond Green Liquid Carriers Corp. and Local 333 United Marine Division, ILA, AFL-CIO (2CA22969, 2CA23896) IK, IR.

AG	Age of documents	DE	Decipherment	IN	Initials	PK	Paper knife striæ
AL	Alterations	DI	Disguise	IK	Ink	PR	Printing
CC	Carbon copy	ER	Erasure	IR	Infra-red	RS	Rubber stamp
CL	Carbonless copy	ES	ESDA (indentations)	IS	Insertions	SI	Signature (own)
CD	Counterfeit document	FF	Fracture fit	LI	Line intersections	SO	Signature (other's)
CP	Computer printer	FX	Fax	LP	Laser printer	ST	Staples
CR	Credit card embosser	HW	Handwriting	MT	Montage	TP	Typist
CS	Checksigner	HP	Handprinting	NM	Numerals	TS	Type style
CW	Checkwriter	ID	Indentations	PA	Paper	TW	Typewriter
DA	Dating a document	IJ	Inkjet printer	PC	Photocopier		