

# THE DRAKE GROUP



*Consulting  
Investigations  
Counterintelligence  
Forensic Science  
Polygraph Science*

[www.drakeinvestigations.com](http://www.drakeinvestigations.com)





**John M. Fritz, Ph.D.**  
**Executive Director**

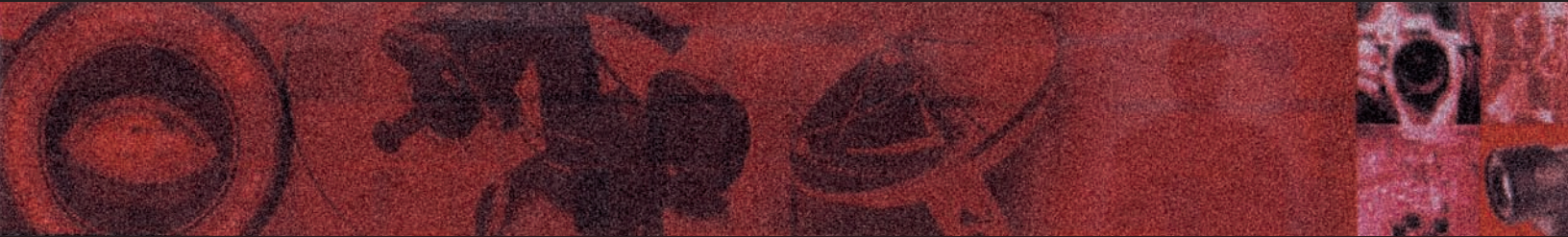
John M. Fritz, Ph.D., has over thirty years of experience in counterintelligence, law enforcement, and security management.

As a former Special Agent, Counterintelligence, Department of Defense, he was trained to perform investigations that consisted of the identification, assessment, neutralization, and exploitation of foreign intelligence activities. As a member of the Special Operations Group, an elite tactical intelligence unit of the Chicago Police Department, he applied his foreign counterintelligence skills to domestic criminal activity. He received specialized training in Technical Surveillance Countermeasures from some of the United States' leading counterintelligence personnel, including Colonels Charles McQuiston and Allan Bell, former counterintelligence officers with the US Army Intelligence & Security Command, Research and Development/ Technical Unit. He also received advanced technical surveillance countermeasures (TSCM) training from Jarvis International, Mason Engineering, and Dektor Counterintelligence.

Dr. Fritz, has held top-secret security clearances with special intelligence access from the Department of Defense. He holds a master of science degree in emotional disturbance and a doctorate in criminology. He has completed post-doctoral studies at the University of Illinois, school of forensic science, and specialized courses in forensic microscopy at McCrone Research Institute. He has testified as an "expert" in forensic science and polygraphy in state and federal courts.

In addition to his training in electronic eavesdropping countermeasures, he is nationally recognized as an expert in forensic polygraphy and voice analysis.

**The Drake Group is the preeminent organization for investigations, forensic science, counterintelligence and polygraphy.**



For more than thirty years, The Drake Group Corporation has been providing professional services in investigations, forensic science, counterintelligence and polygraphy around the world. We have provided our services to fortune 100 and 500 corporations, medium and small businesses, members of the United States Congress, United States Senate, and to presidential candidates. We have also provided services to financial institutions, electronics manufacturers, transportation companies, the food, beverage and hotel industry, as well as, state, federal and local governments.

The Drake Group is a multifaceted, interdisciplinary organization, that provides state of the art services in investigations, electronic eavesdropping detection, forensic science, competitive intelligence, crime scene investigations, polygraph, voice analysis, and custom video surveillance systems.

The Drake Group Corporation is dedicated to provide excellence in customer satisfaction. We provide a written guarantee, that ensures complete and absolute confidentiality. Our investigations have resulted in the arrest and conviction of employees and others for crimes such as industrial espionage, sabotage, arson, fraud, theft, embezzlement, and a host of other felonious acts.

## INVESTIGATION DIVISION

The Investigation Division is staffed with personnel who were trained by US Intelligence Agencies, and major law enforcement organizations. They are responsible for the hundreds of cases that are conducted each year. These cases include industrial espionage, terrorism, homicide, theft, and other serious crimes. The Drake Group's investigations have been featured on television and the printed media. Our firm was responsible for the arrest and conviction of the first industrial spy in Arizona.



In addition to civil and criminal investigations, we conduct loyalty, background, and competitive intelligence investigations.

The competitive intelligence investigation is a process that is achieved in a legal and ethical manner that enables senior management to make decisions in the following areas:

- \* Anticipation of the competitor's strategic and tactical moves in time to avoid surprises.
- \* Identification of new products early in their development cycle so you can act decisively and profitably.
- \* Learn about merger and acquisition candidates.
- \* Evaluate joint venture partners.
- \* Customized programs depending upon need.

Corporate investigations require a multidisciplinary approach. We are the only investigation firm in the United States that is staffed with forensic scientists, crime scene investigators, polygraphers, eavesdropping detection specialists, and counterintelligence personnel.





## **WHAT ARE SOME OF THE SIGNS THAT MAY INDICATE ELECTRONIC SURVEILLANCE.**

- \* Are people finding out your secrets or personal business.**
- \* Are you scheduling a highly confidential meeting or conference.**
- \* Is confidential information about your business leaking out.**
- \* Does your telephone often ring once and then stop.**
- \* Did you have a burglary of your home or office and nothing is missing.**
- \* Do others know about your conversations even when you talk from the privacy of your vehicle.**
- \* Do you think you might be under covert video surveillance.**

### **Questions and Answers:**

Q: What is the most common eavesdropping detection device that you encounter during a TSCM inspection?

A: The device that we most encounter is a digital telephone recording device. This device can be attached on the telephone line, and record up to six hundred hours of telephone conversation.

Q: Will I know when my telephone is being “tapped”?

A: Probably not, these devices, although very inexpensive, are virtually undetectable.

Q: What is a telephone “bug”?

A: A telephone bug is an electronic transmitter that transmits a radio signal to a remote listening post.

Q: Is it difficult to bug cell telephone?

A: Absolutely not, in fact, you can buy cellular telephones that can be programmed to act as a room transmitter. It only takes a special code to activate the cell phone. This is a major threat for anyone who uses a cellular telephone.

Q: Can you eavesdrop on a computer?

A: There are many ways of eavesdropping on computers. The first, and probably the most popular, is spy ware. Spy ware installation does not require access to the computer. Another method would be when you use your local area network. The wireless computer is much like any other wireless communication. Proper security codes must be utilized to prevent unauthorized parties from access to your home or office computer via a wireless network.

Q: Can you “bug” a car?

A: Recently, a Cadillac Escalade’s North Star System was compromised by the FBI with the assistance of North Star personnel.

Q: Is covert video a threat?

A: Of course it is. In fact, covert video is installed in clock radios, thermostats, humidifiers, and other electronic devices. Wireless video can be less than a half inch in size, and can include audio as well as video.



## COUNTERINTELLIGENCE DIVISION

Among the most complex and sensitive assignments that The Drake Group undertakes, are those which involve protecting corporate assets and personnel from exploitation.

Espionage and illicit collection activities represent attempts by foreign governments, employees, and corporate competitors to acquire confidential, non-public proprietary information from United States firms. The threat is so acute, that the Director of the Central Intelligence Agency has warned Corporate America to be alert to the threat and to take the necessary countermeasures to thwart the threat.



The crime of espionage is perpetrated in a number of insidious ways. These include electronic eavesdropping, unlawful penetration into the facility, undercover agents who are hired as regular employees by the “targeted” company, recruitment of current employees, and many other creative ways.

One of the most insidious threats to an unsuspecting corporate organization is the illegal interception and monitoring of audio and data communication. There has been increasing use of electronic wiretapping and “bugging” devices to acquire personal and business secrets. Recent miniaturization of electronic components has made “bugging” of communication equipment, including cellular telephones, not only easy, but also inexpensive.

Electronic eavesdropping is not limited to rogue employees and private investigators. Recent news reports have identified law enforcement personnel who have illegally utilized eavesdropping devices. This includes law enforcement personnel from municipal, state, and federal agencies.

The equipment necessary to perform a technical surveillance countermeasures (TSCM) inspection includes, spectrum analyzers, omni-spectral correlators, non-linear junction detectors, time domain reflectometers, telephone analyzers, LAN analyzers, thermal imagers, and other highly technical equipment. You cannot perform a professional “inspection” without this equipment.



If you should decide to undertake a professional technical surveillance countermeasures inspection, please call from a telephone other than your home or business telephone. Furthermore, make

certain that you only contract with a legitimate firm that has the experience, training, equipment and education to perform this highly technical service. There are private investigators who have no counterintelligence training, but will attend a few weekend seminars in eavesdropping detection, and will then call themselves “experts.” A person who has been trained by a US Counterintelligence Agency, will assure you of personnel who meet or exceed the rigorous academic, psychological, and security requirements to be awarded sensitive security clearances and appointment to their counterintelligence academies.

## FORENSIC SCIENCE DIVISION

The Forensic Science Division is under the directorship of a full time board certified forensic scientist, who holds a masters degree in forensic science.

Utilizing state of the art forensic laboratory equipment, we can examine questioned documents, trace evidence, latent fingerprints, bodily fluids, gunshot residue, paint, and other items of forensic value. We can also test hair, blood, and urine for illegal and controlled substances, using gas chromatography/mass spectrophotometry.

- \* **Questioned Documents** - In addition to determining authorship of a signature, or a written document, we can individualize ink, paper, printers, fax machines, and copiers. We can usually determine the relative age of ink, and provide court qualified experts.



- \* **Trace Evidence** - Trace evidence is that forensic evidence that is transferred between individuals and objects during the commission of a crime. Trace evidence can include hairs, fibers, soil, paint, liquids, and other physical evidence.
- \* **Latent Fingerprints** - Latent fingerprints are those fingerprints left at a crime scene that are not visible to the human eye. Most fingerprints are developed utilizing a variety of powders to make the print visible. There are other techniques used to develop fingerprints on porous materials, such as a copy paper, envelopes, or even a postage stamp on a letter.



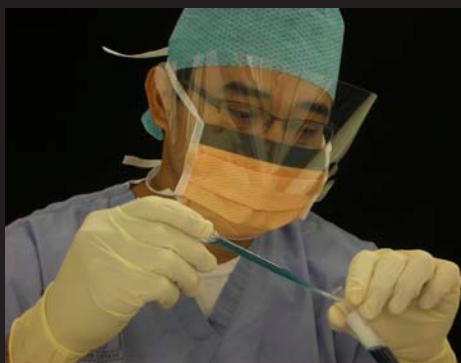
- \* **Blood/Bodily Fluid** - We can individualize blood, semen, hair, and skin. DNA analysis can virtually guarantee a positive identification.
- \* **Toxicology/Drug Testing** - The forensic laboratory can perform drug testing for illegal and controlled substances. We can perform this test from blood, urine, or hair. We can also analyze liquids and compounds to determine their composition.



## FORENSIC AUTOPSY AND TOXICOLOGY

The Drake Group Corporation is Arizona's leading private investigation firm offering post-mortem examinations. Our staff forensic medical examiner is a medical doctor who is board certified in forensic pathology. He has provided forensic autopsies as a state medical examiner for Coconino and Maricopa, Arizona. In his capacity as a medical examiner, he has examined deceased with gunshot wounds, medical negligence injuries, suicide and other violent and natural causes. He has testified as an expert forensic pathologist in state and federal courts.

When a client commissions a post-mortem examination, our senior forensic scientist will meet with the family, obtain the required releases, and will schedule the post-mortem examination. We will handle all of the details for the family and will assure the dignity of the deceased. After meeting with family members, we will arrange for pickup and delivery to the forensic laboratory, and re-delivery of the deceased to the mortuary of choice. During the post mortem examination, the senior forensic scientist will assist the forensic pathologist in collection and documentation of any evidence of forensic value.



## FORENSIC COMPUTER ANALYSIS

Cyber Crime includes a wide range of computer crime or misuse, including but not limited to, theft of trade secrets, theft of or destruction of intellectual property and fraud. The Drake Group has the ability to draw on an array of methods for the purpose of discovering data that resides on a computer system, recovering deleted, encrypted or damaged file information, tracking internet/network log files, detecting unauthorized file copying, and search and recovery of email.

The Drake Group has a dedicated team with extensive law enforcement and laboratory computer experience. Our skilled professionals understand the specific challenges and requirements associated with complex forensic examination and are expert in preservation, recovery and examination of digital evidence. Court testimony regarding examinations performed and the results obtained can be provided, as well as expert witness testimony in the following areas:

- \* Preservation of evidence
- \* Data/Document Recovery
- \* Computer Forensics
- \* E-mail Analysis
- \* Internet investigation
- \* Intellectual Property Theft
- \* Economic Fraud

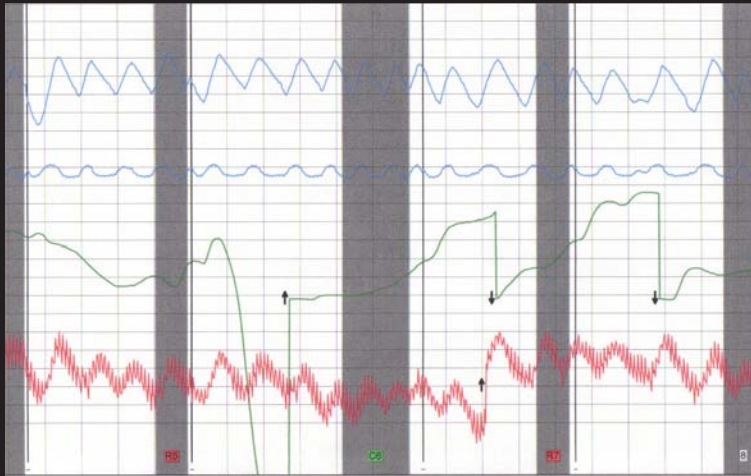
Our staff is court qualified at the federal, state, and local levels for both civil and criminal cases.



## TRUTH VERIFICATION DIVISION

The Truth Verification Division performs both forensic Polygraph and Voice Stress Analysis. Polygraph and Voice Analysis are performed as part of background investigations and loyalty investigations, as well as for theft, sabotage, espionage, burglary, homicide, and for other serious crimes.

We have two full time polygraph examiners, and one voice stress polygraph/analyst. The polygraph examiners have over seventy five years of experience, and our voice analyst/polygraph examiner has over thirty years of experience. Voice stress analysis is only used in conjunction with polygraph, and the results are given separately. Our use of voice stress is limited to research only. Voice stress analysis is not used for truth or deception, but instead as a research technology in conjunction with the polygraph.



Forensic polygraph and voice analysis, have become a highly efficient techniques to resolve issues that otherwise may go unanswered. Modern polygraph instruments are sophisticated devices, that are interfaced with computers to allow for objective statistical analysis of polygraph charts. Computerized polygraph technology has advanced the reliability and validity of polygraph testing. Polygraph examiners can now have polygraph charts digitally analyzed for statistical analysis using law enforcement/counterintelligence templates.

The Federal Polygraph Act does not preclude an employer from utilizing the polygraph or the voice stress analyzer, although there are specific federal guidelines that must be adhered to during employment type polygraph testing. We are able to provide the necessary releases to allow your organization to proceed with such testing, when the need exists.

All of our polygraph and voice analysts have graduated from accredited schools, and all hold advanced degrees in criminology, forensic science, and criminal justice.

## TRAINING DIVISION

The Drake Group provides workshops in the following disciplines:

Forensic Science  
Investigations  
Voice Analysis  
Eavesdropping Detection

Courses are one week in duration, and workshops can be conducted at our facility or yours. We also can provide customized workshops dealing with workplace safety, assets protection, terrorism, loss prevention, physical security, and crisis management.



## SECURITY AND SURVEILLANCE SYSTEMS

The Drake Group is a major provider of state of the art camera systems, biometric access systems, communication security systems and vehicular surveillance systems. The camera selection includes covert and overt cameras, hardwire and wireless systems, and camera systems providing night vision. We also have sophisticated micro digital video recorders, high speed internet covert camera systems, GPS vehicular tracking systems, and law enforcement grade surveillance devices.

We also provide sophisticated computer software for computer surveillance. Our software provides real time covert surveillance, ensuring you of the propriety of your computer system.





# THE DRAKE GROUP

## INVESTIGATIONS

Civil  
Criminal  
Corporate

## COUNTERINTELLIGENCE

Electronic Eavesdropping Detection  
Counter-Terrorism  
Competitive Intelligence

## FORENSIC SCIENCE

Trace Evidence  
Forensic Computer Analysis  
Questioned Documents  
Post-Mortem Examinations  
Forensic Toxicology

## TRUTH VERIFICATION DIVISION

Polygraph Examinations  
Voice Stress Evaluation  
Security Interviews

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## Memberships:

American Society of Industrial Security  
American Association of Counter-Terrorism  
National Military Intelligence Association  
Forensic Document Examiners Association  
American College of Forensic Examiners  
Business Electronics and Countermeasures  
Forensic Science Society  
American Academy of Forensic Science