


Marital Issues & Divorces are Fueling Spy Technology Sales

Faculty:
Scott Greene
 Evidence Solutions, Inc.
 An Arizona Computer Forensics Company
 866-795-7166
Scott@EvidenceSolutions.com




- Almost Everything: from the character of the user to their interests, activities, financial health, acquaintances and more.
- Collected from their life online: applications, email systems, web browsers and free space.
- The details from their life, outlook, intelligence and interactions are as individual as any fingerprint.
- All Public & Private business transactions, communications with accomplices, fraud indicators and much more are frequently available.

What can data Forensics Tell Us?



Reasons to examine electronic data


- Almost all documents are now 'word processing' documents.
- Nearly all business activities are now computerized
- E-mail communications have surpassed telephone and postal (snail mail) communication.
- Text Messages now overshadow E-mail



• All known devices

- Computers
- Cell phones
- Tablets
- Backup drives

Getting Started



**Sources of Evidence:
Computers**

- Hard Disk Drive
 - Hard Drive Image or Mirror Image: This is a bit-by-bit copy of storage media. (i.e., an exact copy of a physical Hard Drive).

**Sources of Evidence
Computers**

- Computers
 - Email accounts
 - Online storage accounts
 - Digital Faxes
 - Audio / Video files
 - Google Searches (Sorry Bing)

**Sources of Evidence:
Cell Phones**

- The Good:
 - They do more for us than ever before!
- The Bad
 - As they become more complex they take time to analyze
- The Ugly
 - People know to use and dispose of them

Capturing Data

- Cell Phone
 - Capture. This is different in that not everything on all cell phones can be copied.
 - Data must be sent to the phone to do the capture.

Portable Sources of Evidence

- Cell Phones & Tablets
 - Text messages
 - Photos?
 - GeoTagging
 - Calendars
 - Phone Books
 - Call Logs
 - Complete information about where the phone has been....

Conn. Date	Conn. Time	Orig. Number	Term. Number	IMEI	Description	Content	Tower Location
9/23/2013	11:48	Redacted	Redacted	Redacted	Incoming SMS	Whitup, lookin 4 sum peace tabs or all best sum sj, u got any?	33.30522, -111.72406
9/23/2013	11:49	Redacted	Redacted	Redacted	Outgoing SMS	I'll check, how much do u need?	33.30522, -111.72406
9/23/2013	11:50	Redacted	Redacted	Redacted	Incoming SMS	Enough 4 the weekend, couple grams?	33.30522, -111.72406
9/23/2013	11:53	Redacted	Redacted	Redacted	Outgoing SMS	Meet at Pacos in 30?	33.30522, -111.72406
9/23/2013	11:54	Redacted	Redacted	Redacted	Incoming SMS	Tight	33.30522, -111.72406

Sources of Evidence: GPS

- GPS
 - Built into the car
 - Stand alone
 - Yes they can be attached to a car and report back everywhere the car has been

Social Media

- Complete Downloads
 - All activity
 - All photos
 - All locations
 - etc



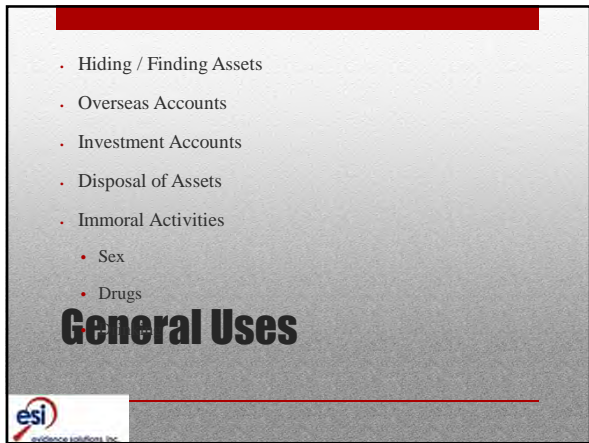
Other things...

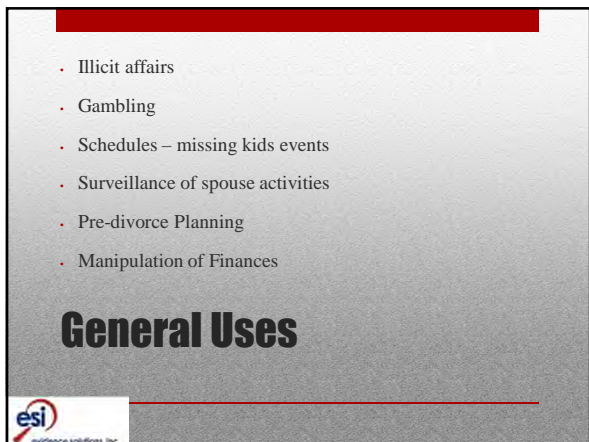
- Ownership
- Invasion of privacy
- Burden
- Time is of the essence

What to do / How to do it

- Meta Data is Everywhere
 - – it can tell a much different story than the data
- How do you know when to call for help?
 - upfront a consultant can steer an attorney in the right direction
 - data that looks suspicious








- Keyloggers
- GPS devices
- Spyware
- Planting of contraband
- Remote access to
 - Computers
 - Email

Hazards



- Cyberstalking
- Cyberharrassment
- Social Media


Hazards

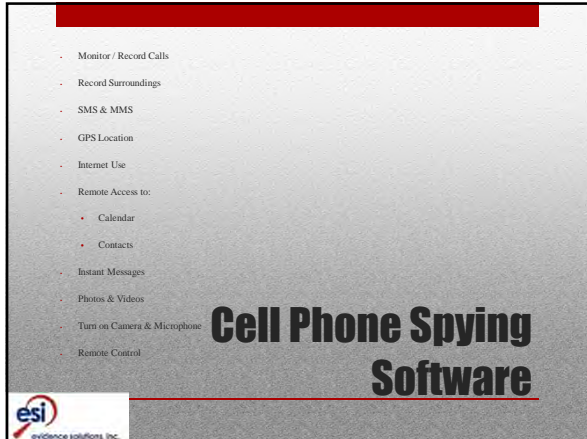


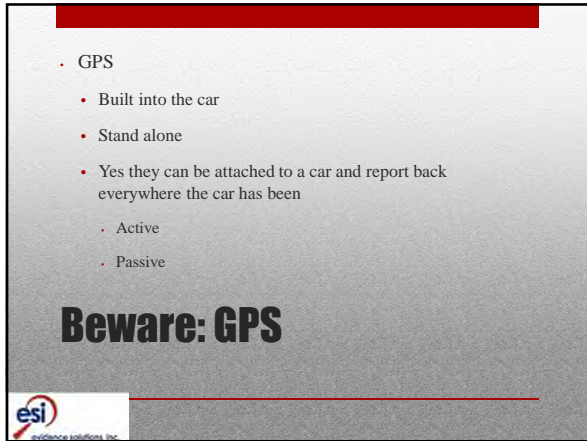
- Mspy
- Mobi Stealth
- Spy Bubble
- Spy Phone Tap

- Android
- iPhone
- BlackBerry
- Windows Mobile

Cell Phone Spying Software












GPS Tracking Devices



- Keyloggers
- Spying software
 - Computers
 - Cell Phones
- Hidden Cameras

Beware

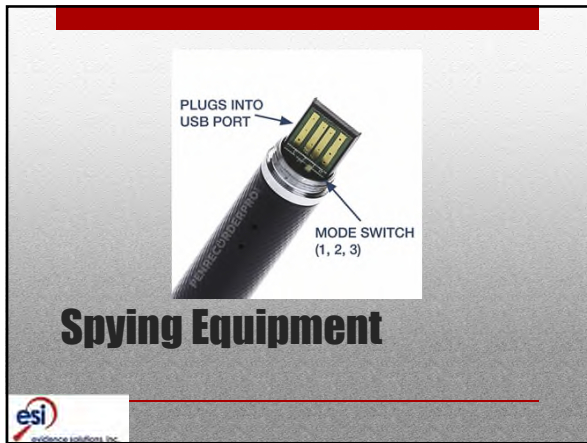


- KeyLogger Pro
- Spyrix Free Keylogger
- Can be installed and then hidden
- Send keystrokes elsewhere
 - Including Web Addresses & Passwords
- Financial Institutions, Dating Sites, Social Media, Etc

Keyloggers






















• Voice Records have similar functionality to Video Devices

Spying Equipment



• **Anti-Spy Technology**

- Some of these companies also offer “Counter Surveillance” technology including:
 - Bug Detectors
 - Phone Tap Detectors
 - Audio Jammers
 - Voice Changers

Anti-Spying Equipment



• **Data Wiping, File Wiping, Data Scrubbing or Hard Disk Drive Wiping Utilities (Data Shredding):**

- These software applications are used to permanently and completely destroy electronic data from Data Storage Devices making it unrecoverable.


Beware Wiping Software



- Eraser 6
- DBAN (Darik's Boot and Nuke)
- CBL Data Shredder
- ErAce
- HDSHredder Free Edition
- HDDEraser
- MHDD
- KillDisk
- Format Command With Write Zero Option


Eraser
Freeraser
Disk Wipe
Hardwipe
Secure Eraser
PrivaZer
PC Shredder
AOMEI Partition Assistant Standard Edition
Remo Drive Wipe
CCleaner

it Disk Partition Wiper



- Ownership
- Invasion of privacy
- Time is of the essence

Other things...




- SpygearGadgets.com
- SpyTecInc.com
- SpyEmporium.com

Resources





- [Robert L. Schwartz](#) of Dickerson Wright:
- "The recent proliferation of the use of computers, iPhones, iPads and the like has created an ever increasing problem in marital relationship's. Spouses have resorted to monitoring their other spouse's behavior by installing tracking programs and various types of spyware. Marriages have come to an abrupt end when a spouse suddenly discovers an on line romantic relationship; a continuing connection with a former girl/boy friend ; a serious addiction to pornography; and other hidden behaviors. Even where the spouse may stay together there is now the always present lack of trust. We have entered a new era of stressors on marriage."




- One site that sells some Spy Equipment:
- "... all you have to do is obtain permission from the phone's owner/user, install a small application on the phone ..."
- Then you can monitor their whereabouts, track them by GPS, read their email, and read their text messages.
- Warning: The description stops short of warning the purchaser to check local laws or consult an attorney prior to purchase or use.

Warning!!!





FINALLY GOT MY SINK FIXED



Drop me an email: Scott@EvidenceSolutions.com and ask to be put on my mailing list.

Contact Information

Scott Greene
of
Evidence Solutions, Inc.
Corporate Headquarters: Arizona
866-795-7166
Scott@EvidenceSolutions.com