

The Use of Technology to Stalk

20th Annual Two Days in June Conference
June 11 – 12, 2013
Boise, Idaho

Stalking
resource center

www.victimsofcrime.org/src

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Stalking resource center

Training Technical Assistance Resources

- Statutes
- Legislative Updates
- Manuals/Guides
- Videos
- Clearinghouse

The Stalking Resource Center is a program of the National Center for Victims of Crime. The mission of the Stalking Resource Center is to enhance the ability of professionals, organizations, and systems to effectively respond to stalking. The Stalking Resource Center envisions a future in which the criminal justice system and its many allied community partners will effectively collaborate and respond to stalking, improve victim safety and well-being, and hold offenders accountable.

The Stalking Resource Center provides training, technical assistance, and resource materials for professionals working with and responding to stalking victims and offenders.

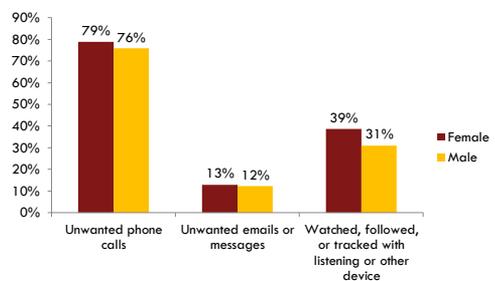
THE NATIONAL CENTER FOR
Victims of Crime

Use of Technology to Stalk

- Phones – calls, messages, texts, pics, video
- Cameras
- Global Positioning Systems (GPS)
- Computers
- Social networking sites
- Email & IM
- Spyware
- Assistive technologies



Use of Technology to Stalk



- The National Intimate Partner and Sexual Violence Survey (NISVS): 2010 Summary Report (2011)

Technology is not the enemy

- Criminals exploit the technology to create an advantage for themselves
- Most of the technologies used by stalkers have legitimate and legal functions
- We must keep up with the criminals and work to enact progressive, inclusive stalking legislation
- Impractical to make artificial distinctions between stalking and “cyberstalking”

Cell Phones

- Calls, texts, photos, video
- Cell phone settings can be manipulated to act as listening device
 - Access to victim
 - Hidden device
 - GPS tracking



Tracking via Cell Phones

Sprint

Keep Your Family Safe with Sprint Family Locator

First 15 Days FREE. Then \$5 per month to locate 4 phones. Cancel any time from the web during the trial period. No obligation.

Locate Phones Anytime
Whether your son is on a school trip, or someone lost their phone, SPL will show you the phones' GPS position on an interactive map anytime. Locate up to 4 phones on your account.

Safety Checks
Make sure your elderly mom made it to her home safely. See that your child got to school on time. SPL will check automatically at the time you set and send notifications directly to you via text message or email.

Unlimited Use. One Flat Fee.
Perform locates, set Safety Checks and send unlimited text messages from within SPL—only \$5 per month. Peace of mind for your entire family.

More Questions? [Need Help?](#)

Get Your First 15 Days Free

Mologogo is a free service that will track you and your friends using dirt-cheap GPS phones and smart phones

foursquare

Check-in. Find places, people, tags.

CHECK-IN FIND YOUR FRIENDS UNLOCK YOUR CITY

Forecasters on your phone phones and 6 your friends use miles of squares over city. Earn points & unlock badges for discovering new things.

JOIN NOW

loqix

Discover the world around you.

loqix

Location Based Services

Search for:

- Locate
- Find kids, find friends
- Track spouse

Find My Friends



GPS Phone Tracker

Locate Anyone For Free



FollowMee GPS Tracker

Tracker™ GPS locator



Geotagging

P1010443
April 16, 2008 5:27:08 PM
7.0 x 4.7
San Francisco
Our trip to SF included the Golden Gate Bridge!

Disabling Geotagging

- Search “how to disable geotagging on a [phone make/model]”
- www.icanstalku.com



Cell Phone Spyware

- Listen to calls
- View contact lists
- Read text messages
- Activate speaker
- Locate



Call Spoofing

Gives caller ability to change number shown on caller ID, change sound of voice and to record calls.

SpoofCard Going to Great Lengths to Hide Your Identity on the Phone?

Suggested Uses

- Protect your privacy
- Allows for calls from your call phone to appear as if you are at work
- Prank-call your friends and family
- Stay anonymous

How It Works

- Call Stealth Card Access Number
- Enter Caller-ID to be displayed
- Enter Account Number
- Enter destination phone number to call

YOUR SOURCE FOR ANONYMOUS CALLER ID SPOOFING CARDS

PHONEGANGSTER.COM

HOME PRICING PURCHASE FAQ FORUM AFFILIATES

Major Spoof Providers

- spooftel.com
- spooftel.com
- spooftel.com
- spooftel.com
- itellas.com (Itellas offers a security log search for law enforcement available online)

Most offer free sample calls

Text Message Spoofing

Send text messages anonymously

- FakeMyText.com
- TextMeNow.net
- TextForFree.net
- TheAnonymousEmail.com



Cellphones – Documentation

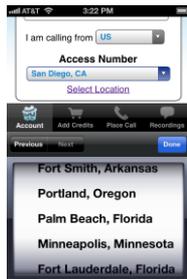
Document communications

- Audio: on phone and separately
- Text:
 - On phone
 - Digital image of phone face
 - Most cell companies no longer maintain the content of text messages
- Victims can get detailed copies of their own phone bills



Spoofting – Documentation & Evidence

- Suspect's phone records
 - Look for different access numbers
- Suspect's credit records
- Suspect's phone (if using mobile app)
- Court order to spoofing companies

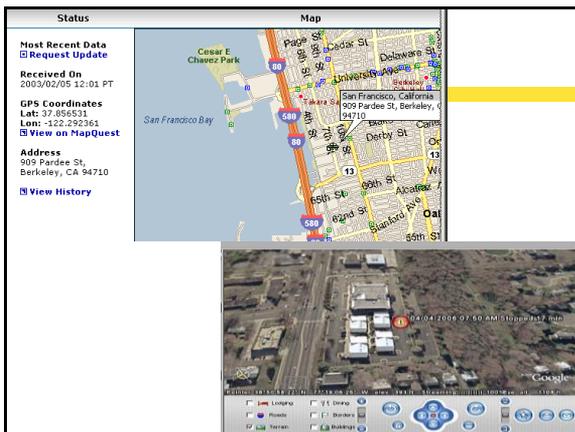
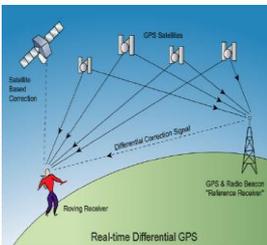


Cellphones – Victim Safety

- Regularly ask victims about their cell phone use
 - Discuss spyware potential
 - Discuss account privacy
- If offender has ever had access to phone:
 - Consider completely wiping phone & restoring to factory settings (discuss potential safety risks of this action)
 - Consider keeping phone but not using it for anything that could reveal location of victim but also using a different, safer phone (no-contract phones, donated phones)

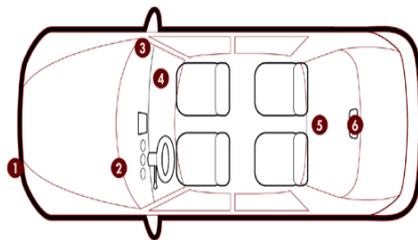


Global Positioning Systems (GPS) & Locating Devices



GPS Documentation & Evidence

Locate device on the victim's car - tie suspect to the device



[1] Inside plastic bumper [2] In gap between window and hood [3] Inside stereo speaker [4] In front dash [5] Under rear-dash fabric [6] In rear dash or third brake light

GPS Documentation & Evidence

- Data on suspect's computer
 - Tracking info/software
 - Tracking websites
- Data on suspect's phone
- Suspect's credit data
 - Equipment purchase
 - Real time tracking via a service with monthly/annual charge

Tracking the Offender

- Suspect vehicle installation – suspect unaware (court order)
- Used by probation departments (ankle bracelets)
- Cell phone GPS capabilities (court order)
- Consumer GPS (search warrant)
 - TomTom
 - Garmin

Email & Social Networking Sites



Email

How do stalkers use email?

- Send email
 - "Fake" emails
 - Michelle M. Garcia <michellemgarcia@gmail.com>
 - Michelle M. Garcia <michellemgarcia@gmail.com>
- Monitor email
- Intercept email
- Impersonate victim and send messages to others

Email Anonymizers

- Abusers can send anonymous emails through websites
- Marketed as if no trace will exist, but it's always possible to determine actual sender



Email – Documentation

- Save emails
 - Electronic and hard copies with expanded headers

Received: from [12.10.116.2] by web113110.mail.gq1.yahoo.com via HTTP; Thu, 27 Sep 2012 12:13:42 PDT
X-Mailer: YahooMailRC/157.18 YahooMailWebService/0.7.347.2
Date: Thu, 27 Sep 2012 12:13:42 -0700 (PDT)
From: Creepy Stalker <creepy_stalkerguy@yahoo.com>
Subject: do you think i am kidding?
To: stalking.victim@yahoo.com

- Do not have victims forward emails to law enforcement

Social Networking Sites

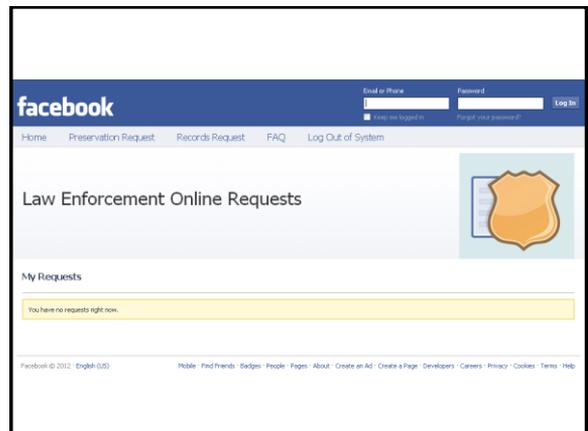
- SNS can bring people together in various ways
- How stalkers can exploit SNS:
 - Gather information on the victim
 - Location
 - Plans
 - Communicate
 - Post on victim's page
 - Post about the victim on their own or other's pages
 - Create fake sites

Status Updates/Away Messages



SNS - Documentation

- Capture and save screenshots (PrntScrN)
- Some sites offer a "download your information" service in account settings



Working with Victims - Social Media

- Regularly ask victims about their social media usage & online presence
 - Location based social networking sites
 - Discuss risks - balance of freedom & safety
 - Is telling a victim to get off Facebook (or other SNS) our best option?
- Have victims capture screenshots of pages
- What is on friends/family pages?

Cameras



Laptop & Web Cams



Built-in Camera of the Laptop



How can they be disguised?



How Cameras are Used

- Keep track of victims – learning their routine, monitoring behaviors, etc.
- Watch victim without being seen – be omnipresent
- Obtain information they otherwise wouldn't be able to have
- Manipulate victim; blackmail
- Scare and harass— “I'm watching and know what you are doing”

What to Know

- Surveillance equipment is inexpensive; starting under \$100
- Plenty of information available on how to operate systems
- Remote access



Camera Documentation & Evidence

- Look for common objects in which cameras may be hidden (look for pinholes)
- Consider covering webcams when not in use
- Wireless camera detection:
 - Devices that may tell you if such signals are being transmitted
- Wired cameras can be difficult to detect
- Searching for a reflection from the camera lens



Camera Documentation & Evidence

- Search for software on suspect's computer
- Search for monitoring websites/URLs
- Check for equipment purchases

Turning the Camera

Why use video surveillance?

- Excellent evidence
- Always active
- Cheaper than physical surveillance
- Provides victims with sense of security

Turning the Camera



Vandal-proof IR weather-proof color camera



Super Wide Angle Color Camera



License Plate Capture camera



Flood Light Bulb camera



Electric Box camera

Accessing Information

Spyware

SpectorSoft Computer & Internet Monitoring Software
CALL US ANYTIME: 1.888.598.2788 OR 1.772.770.5670

SPECTOR PRO 2011

For Windows | Supports Windows 7, Vista & XP

PRODUCT OVERVIEW | FAQS | TESTIMONIALS | NEWS/AWARDS | SYSTEM REQUIREMENTS | TOUR

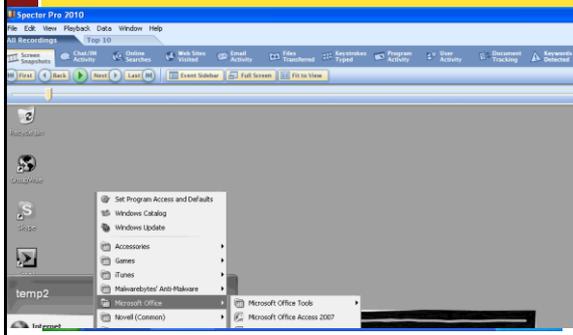
See *Everything* They Do on the Computer & Internet

- Screen Snapshots: Watch EVERYTHING they do play back like a video
- Chat/IM Activity: Get 100% of the conversation
- Keystrokes Typed: Including passwords
- Facebook/Social Networks: Keep tabs on Social Networking
- Web Sites Visited: Know EXACTLY where they go online
- Online Searches: See what they search for
- Email Activity: EVERY email sent and received
- Program Activity: See every program they use

BUY NOW \$99.95 (REGULARLY \$169.95)

Call us anytime 24/7: 1.888.598.2788 or 1.772.770.5670

Computer Spyware



Spyware Documentation & Evidence

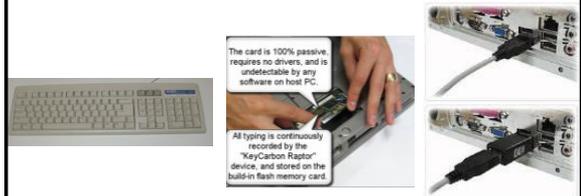
- Regularly ask victims about their computer technology use
 - Has computer been performing strangely? Has battery been depleting faster than usual?
 - Has offender had access to the victim's computer?
- Commercial spyware detectors (McAfee, Norton, Symantec) may or may not find spyware
- Forensic analysis

Spyware – Victim Safety

- ❑ Educate victims about remote access/spyware possibilities
- ❑ Encourage victims to use a “safer” computer
 - ❑ Not connected to the Internet
 - ❑ Shared computers at the library or elsewhere
- ❑ Spyware “cleaners” do not guarantee safety
- ❑ Removal of spyware may escalate offender’s behavior

Keystroke Logging Hardware

- ❑ Can be keyboard ports, special keyboards, or mouse
- ❑ No software to install or configure - just plug it in
- ❑ Need physical access to install & remove



Keystroke Loggers Evidence

- ❑ Suspect needs to retrieve device to download data
- ❑ Look for data on suspect’s computer
- ❑ Check for purchase of equipment

What Information is Out There?

People Search. Honestly Free! Search by Name. Find People in the USA. Free People Finder.

Zabasearch
Free People Search and Public Information Search Engine

spokeo

pipl
The most comprehensive people search on the web

Veromi
The Trusted Information Source

INTELIUS
Live in the know.

People Search | Background Check | Criminal Records | Reverse Lookup

People Search | Email Lookup | Social Network Search | Property Records

Other Sources of Information

- ❑ Court and government sites
 - ❑ Tax records
 - ❑ Court records
 - ❑ Voter registration
- ❑ Informational and organizational
 - ❑ Organizational websites
 - ❑ Professional, campus, community groups
- ❑ Chain store discount cards



Resources

Resources for Victims

- Safe Shepherd
 - Free premium service for stalking victims
 - www.safeshepherd.com/advocates
- Reputation.com
 - Free service for domestic violence victims
- Survivors & Technology: An Interactive Safety Planning Tool
 - www.nnedv.org
 - The SafetyNet Project

Resources for Law Enforcement

- Regional Information Sharing Systems
www.riss.net
- Regional Computer Forensics Laboratory
www.rcfl.gov
- Justice Technology Information Network
www.justnet.org
- Electronic Crime Technology Center of Excellence
www.ectcoe.net

National Institute of Justice

- Digital Evidence in the Courtroom: A Guide for Law Enforcement and Prosecutors, January 2007.
- Electronic Crime Scene Investigation: A Guide for First Responders, April 2008.
<http://www.iwrcft.org/>
- Electronic Crime Scene Investigation: An On-the-Scene Reference for First Responders, November 2009.
- Investigations Involving the Internet and Computer Networks, January 2007.
- Forensic Examination of Digital Evidence: A Guide for Law Enforcement, April 2004.

Available at <http://victimsocrime.org/src/resources/for-practitioners#cjs>

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