National Security After 9/11: Technology & the Law

Ladue Chapel Presbyterian Church

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AREKIGAN OTTE EIBERTIES ONION

#### Legal Director of ACLU-EM 1997-2005

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Courts & Civil Liberties National Security, Civil Liberties & the Law Gender & Law Sexuality & Law Technology & the Law









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# Civil Liberties & Crisis

Throughout history, conflicts have coincided with curbs on civil liberties

### President Lincoln suspends Habeas Corpus





#### Espionage Act

Restrictions on German & Russian immigrants





Cold War Surveillance & investigation of political groups

> House Un-American Activities Committee



Vietnam War & Civil Rights Movements Targeting of protesters Expansion of FBI powers







Technology... changes how threats operate changes how governments respond

Nature of threats different Non-state-sponsored Less hierarchical Dispersed Anonymous

Our response is different Near-constant surveillance

Year	Incident	Deaths
1983	Beirut barracks	242
1985	Air India Flight 182	329
1993	World Trade Center	6
1995	Oklahoma City	168
1998	U.S. embassies in Kenya & Tanzania	224
1998	Lockerbie Bombing	270
2001	9/11	3000

## Operation Aurora





Google's programming code stolen Gmail accounts of dissidents hacked

Attackers used zero-day vulnerabilities in Internet Explorer

Microsoft later admitted it had known about the holes since September 2009



Australia, France, & Germany warned Windows users








June 2007

FBI announces botnet containing over 1 million Windows PCs

## What Botnets Are







## How Botnets Spread

## Google researchers examined 4,500,000 web pages

http://www.networkworld.com/community/?q=node/15121 http://www.usenix.org/events/hotbots07/tech/full\_papers/provos/provos.pdf











#### "Professionalized crimeware"





Works like peer-to-peer network No central location & no one command point to take out Communications encrypted



















"... skilled, professional software developers learning from their mistakes, improving their code on a weekly basis and making a lot of money in the process."

http://searchsecurity.techtarget.com/news/article/0,289142,sid14 gci1286808,00.html











Source: Espiner, Tom. "Cracking open the cybercrime economy". ZDNet (14 December 2007). http://news.zdnet.com/ 2100-1009\_22-6222896.html. Accessed 20 April 2008.



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# Surveillance







### Better & Better










VeriChip







3 million RFID passports issued in UK – cracked in a few days Can suck the data off the passport in 4 seconds Easy to clone passport or detect user









Source: McCullagh, Declan. "Feds admit storing checkpoint body scan images". CNET News.com (4 August 2010). http://news.cnet.com/ 8301-31921\_3-20012583-281.html. Accessed 07 November 2010.



Source: McCullagh, Declan. "Feds admit storing checkpoint body scan images". CNET News.com (4 August 2010). http://news.cnet.com/ 8301-31921\_3-20012583-281.html. Accessed 07 November 2010.



Source: Tran, Mark. "Airport worker given police warning for 'misusing' body scanner". The Guardian (24 March 2010). http:// www.guardian.co.uk/uk/2010/mar/24/airport-worker-warned-bodyscanner. Accessed 07 November 2010.



Source: Ovalle, David. "Miami airport screener accused of attack after jeers at genitals". The Miami Herald (7 May 2010). http://www.miamiherald.com/2010/05/06/1617423/miami-airport-screener-beats-co.html. Accessed 07 November 2010.



Source: Lewis, Jason. "Child porn fears scupper airport 'nude X-ray' scans". The Daily Mail (18 October 2009). http://www.dailymail.co.uk/news/article-1221111/Nude-X-ray-scans-scuppered-child-porn-fears.html. Accessed 7 November 2010.

See also http://www.inquisitr.com/43215/u-k-airport-bans-nude-xray-photos-of-kids-over-child-porn-fears/

## US Government's Response

#### PATRIOT Act

Expanded government access without probable cause of a crime

✓ Business documents
✓ 3rd party documents
✓ Electronic communications



Monitor groups, communications, & data mine

NSA wiretapping of all international phone calls

No, all domestic phones calls & emails!

# Objections



Terrorists use the Net too!

Governments & military want to spy on enemies – only take down in extraordinary circumstances

"If you're not doing anything wrong, then you won't object if the government watches you."



2 maxims about power

Power corrupts, & absolute power corrupts absolutely

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*Quis custodiet custodes ipsos?* (Who will watch the watchers?)

#### Cardinal Richelieu:

"If one would give me six lines written by the hand of the most honest man, I would find something in them to have him hanged."

Malo periculosam libertatem quam quietum servitium

(I prefer liberty with danger to peace with servitude.)





### Thank you!

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