

Surveillance & Privacy: Technology & the Law

Ladue Chapel Presbyterian Church

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www.granneman.com/ladue

All slides

Suggested readings



Technology
never gets worse.
It only gets better.

Bruce Schneier



You have zero privacy anyway.
Get over it.

Scott McNealy,
Sun, 1999



Law
is like
cement

Civil Liberties & Crisis

Throughout history,
conflicts have coincided
with curbs on civil liberties

1861

President Lincoln
suspends Habeas Corpus

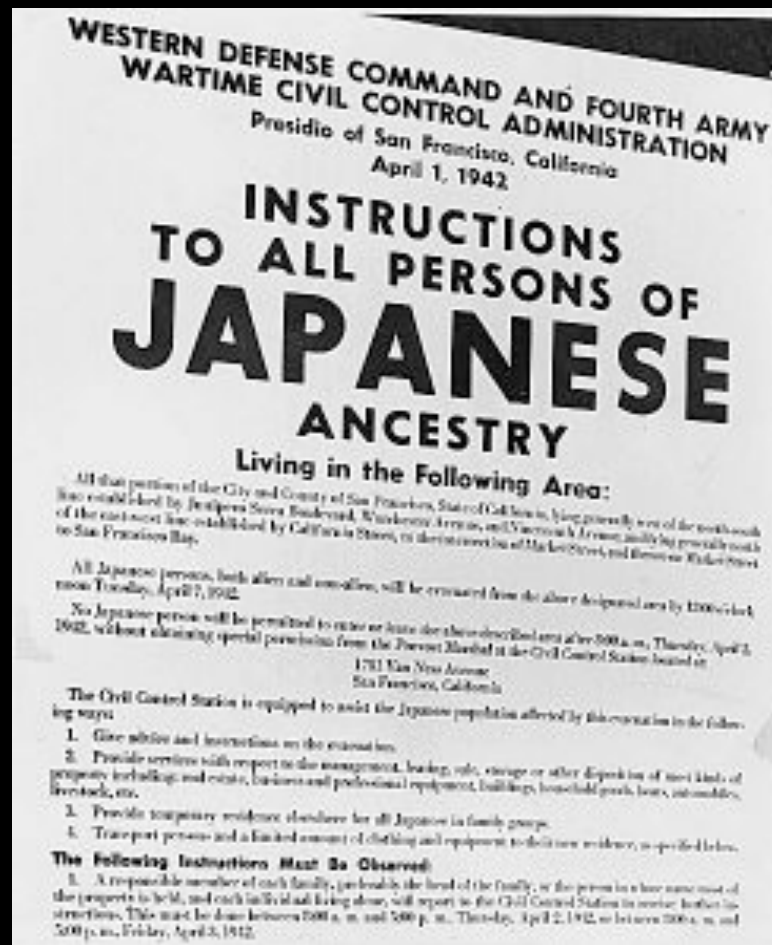


World War I Espionage Act Restrictions on German & Russian immigrants



WWII

Internment of Japanese Americans Military Tribunals



Cold War

Surveillance & investigation
of political groups

House Un-American
Activities Committee



Vietnam War & Civil Rights Movements

Targeting of protesters

Expansion of FBI powers



9/11



How is
9/11
different?

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

US Government's Response

PATRIOT Act

Expanded government access
without probable cause of a crime

- ✓ Business documents
- ✓ 3rd party documents
- ✓ Electronic communications

FBI given greater latitude
to go on “fishing expeditions”

NSA wiretapping
of all international phone calls

No,
all domestic phones calls
& emails!



Better & Better

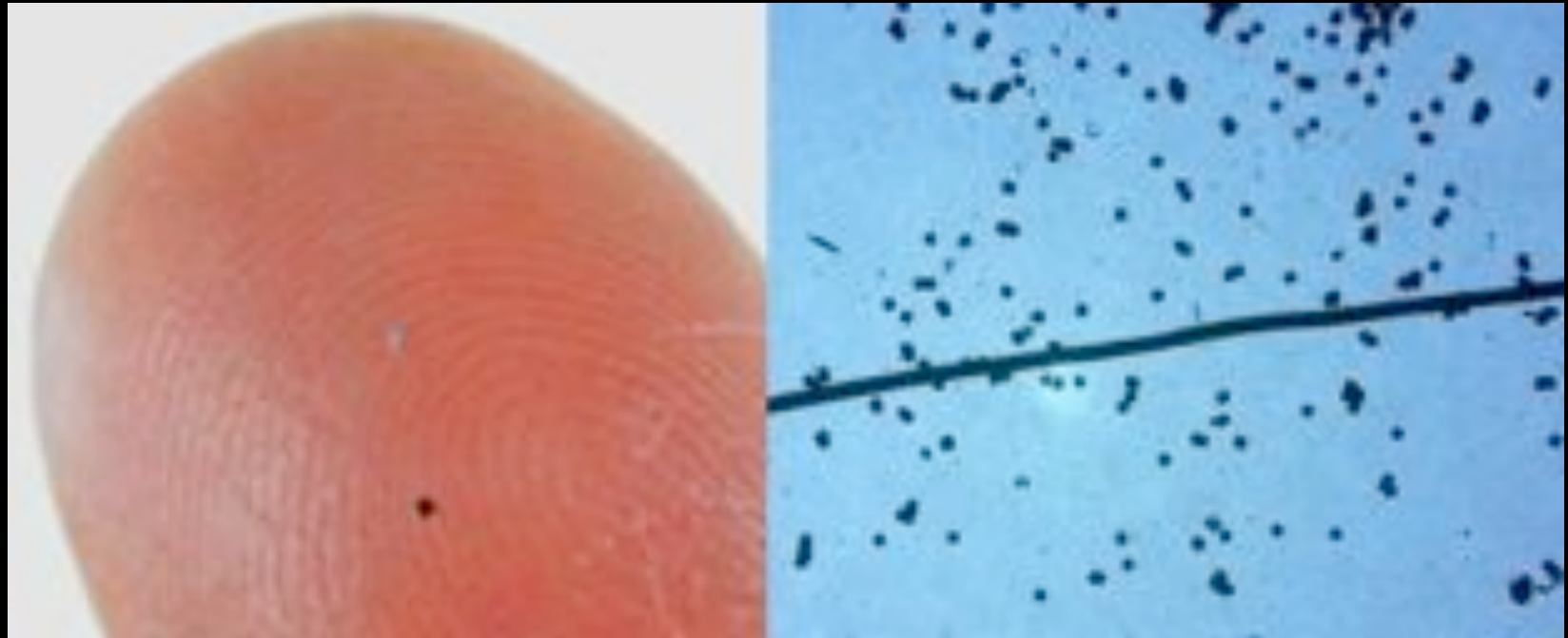


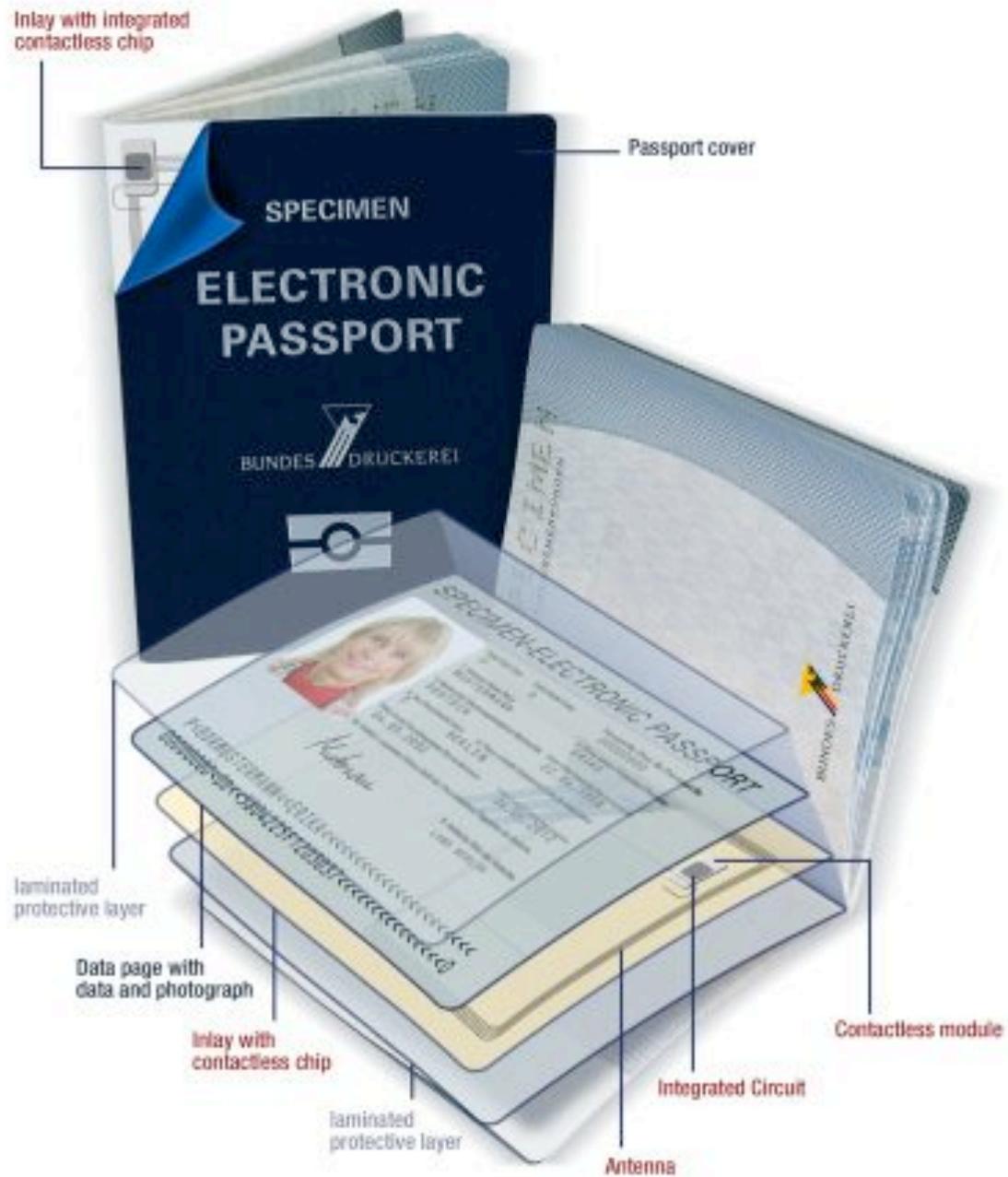








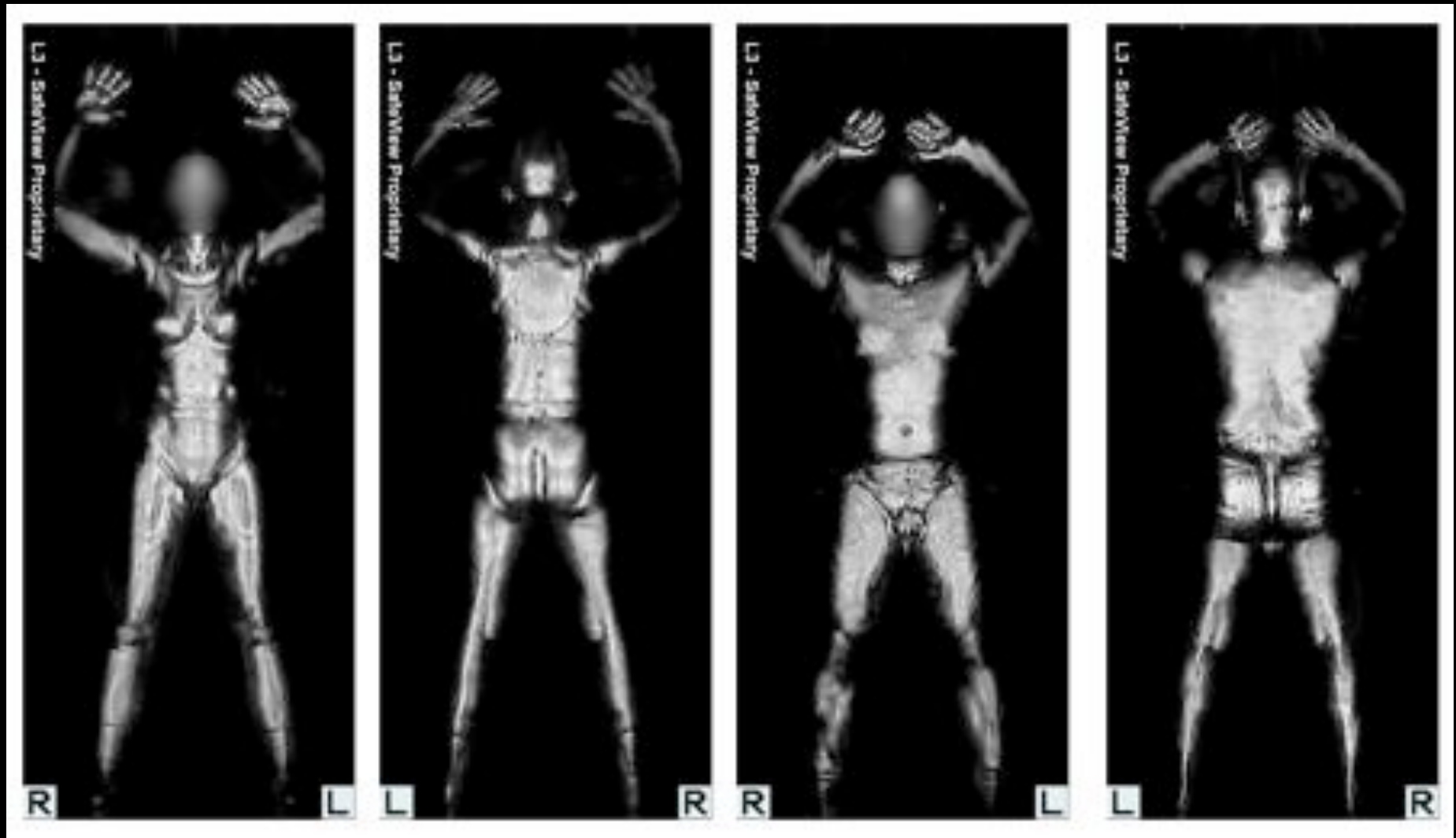




Source: Bundesdruckerei GmbH

► The contactless chip can be integrated into either the cover page or the data page.

Virtual strip searches?



Virtual strip searches?



Virtual strip searches?



2009

TSA claims
“scanned images
cannot be stored or recorded.”

2010

US Marshals saved 10s of 1000s
of images

TSA requires all scanners
to be able
to store & transmit images

Heathrow Airport,
March 2010

Airport worker
photographs woman's image
as she goes through a scanner

The Miami Herald
7 May 2010

“Miami airport screener
accused of attack
after jeers at genitals”

The Daily Mail
October 18, 2009

“Child porn fears
scupper airport ‘nude X-ray’ scans”



A Day in the Life





Compose Mail

Inbox (8)

- Starred
- Chats
- Sent Mail
- Drafts
- All Mail
- Spam (8)
- Trash

Contacts

Chat

- Scott Granneman
Set status here ▾
- Caroline Travis
- David Gorman
- Wait, what?!
- Jerry Bryan
- Joe Zonker Brock
- Jordan Runnin
- Robin Woltman
- Aubrey Hawkes
- Brad Hill
- Not at my desk
- Jaroslav Plotrowk
- Joy Li
- cannot wait to get

Options ▾ Add Contact

Reuters: Oddly Enough - [Keep Christmas cake Italian, panettone makers say](#) - 6 hours ago

Web Clip < >

Archive Report Spam Delete More Actions ▾ Refresh

1 - 40 of 40

Select: All, None, Read, Unread, Starred, Unstarred

<input checked="" type="checkbox"/>	charlotte	» Newly matched listings (From: charlotte@psphomes.com) - Pri	1:56 pm
<input type="checkbox"/>	Bruning, Catherine	» Using Everyday Tech Class - Scott, Would it be okay to do my pag	11:07 am
<input type="checkbox"/>	Scott Granneman	» Everything I Know About Presentations, I Learned in Theatre S	1:35 am
<input type="checkbox"/>	Scott Granneman	» Linux.com :: CLI Magic: No-nonsense network monitoring tool	1:32 am
<input type="checkbox"/>	Google Alerts	» Google Alert - "Scott Granneman" - Google Web Alert for: "Scott	1:23 am
<input type="checkbox"/>	charlotte (4)	» Newly matched listings (From: charlotte@psphomes.com) - Pri	Dec 11
<input type="checkbox"/>	me, Jaroslav (2)	» Re: I need some help- Jarek - Thanks, Also, I was suppose to remit	Dec 11
<input type="checkbox"/>	Scott Granneman	» Get FREE OpenSource Heat Map Stats for your Site : Noheat - 1	Dec 11
<input type="checkbox"/>	Trinka, me (2)	» RE: Invitation to connect on LinkedIn - Denise and I are divorced as	Dec 10
<input type="checkbox"/>	Scott Granneman	» Hearty Vegetable Stew Recipe Recipezaar - http://www.recipezaar	Dec 9
<input type="checkbox"/>	charlotte	» Newly matched listings (From: charlotte@psphomes.com) - Pri	Dec 9
<input type="checkbox"/>	Virginia Harris	» MoHE's idea for a "teach-in" at WashU on voting machines featuring	Dec 8
<input type="checkbox"/>	charlotte	» Newly matched listings (From: charlotte@psphomes.com) - Propert	Dec 8
<input type="checkbox"/>	charlotte	» Newly matched listings (From: charlotte@psphomes.com) - Propert	Dec 6
<input type="checkbox"/>	charlotte	» Newly matched listings (From: charlotte@psphomes.com) - Propert	Dec 6
<input type="checkbox"/>	Charlotte M Melton	» Home search! - Hi Scott, I have sent you a few more homes 2 famil	Dec 3
<input type="checkbox"/>	Scott Granneman	» Usingmac.com - Mac OS X Leopard: 200+ Productivity Booster Keyl	Nov 30
<input type="checkbox"/>	Scott Granneman	» Fwd: M-Audio Products - Forwarded message From: Joe Freeman	Nov 26
<input type="checkbox"/>	Scott Granneman	» Girl's suicide after online chats leaves a town in shock - The Boston	Nov 26
<input type="checkbox"/>	Google Checkout	» You have received a note from Google Apps - Google Checkout Pul	Nov 26
<input type="checkbox"/>	me	» Top ten most viewed pages on Wikipedia and Conservanedia - Sent	Nov 21
<input type="checkbox"/>	Scott Granneman	» A List Apart: Articles: How to Size Text in CSS - ha	
<input type="checkbox"/>	Scott Granneman	» AAA To Proceed What if it's All Been a Big Fat Lie? - I	
<input type="checkbox"/>	Scott Granneman	» Pink Floyd tribute at Pageant - http://www.thepage	
<input type="checkbox"/>	John and Helen McIntosh	» Fwd: Election fixes stir worries on ballot security Sc	
<input type="checkbox"/>	Denise Lieberman	» AAA To Proceed The Common/Craft Show Common	
<input type="checkbox"/>	Scott Granneman	» Image gallery: First look at Leopard - http://www.cr	
<input type="checkbox"/>	Scott, Maria (2)	» Re: FW: Registration Cancelled - Alan Mader's nat	

Jerry Bryan [Close]

me: jerry, is that meeting still on for tuesday?

Options ▾ Pop-out

- Home
- All items (100+)
- Starred items
- Shared items
- Trends

Add subscription Browse »

Show: updated - all Refresh

- Talking Points Memo... (17)
- queries---books (1)
 - Google Blog Search: ... (1)
- security (25)
 - CERIAS Weblogs (1)
 - Chris Sanders (1)
 - Network Security Blog (1)
 - Not Bad For a Cubicle (3)
 - Schneier on Security (13)
 - SecurityFocus News (6)
- tech-news (100+)
 - Wired News: Top Stories (15)
- tech-news---lists (6)
 - Interesting People elist (6)
- tech-topics (43)
 - Ask Dave Taylor (1)
 - Download Squad (17)
 - Jon Udell (1)
 - TechCrunch (9)
 - Techdirt (12)
 - Tom's Hardware (3)
- tech-topics---search (100+)
 - Google Blogosoped (86)
 - John Battelle's Search... (100)
 - Search Engine Land: N... (15)

Manage subscriptions »

security

Folder settings... Expanded view List view

Show: 25 new items - all items Mark all as read Refresh

★ Teaching Viruses and Worms 3:02 PM (38 minutes ago)

from Schneier on Security by schneier

Over two years ago, George Ledin [wrote an essay](#) in *Communicadons of the ACM*, where he advocated teaching worms and viruses to computer science majors:

Computer science students should learn to recognize, analyze, disable, and remove malware. To do so, they must study currently circulating viruses and worms, and program their own. Programming is to computer science what field training is to police work and clinical experience is to surgery. Reading a book is not enough. Why does industry hire convicted hackers as security consultants? Because we have failed to educate our majors.

This spring semester, he taught the course at Sonoma State University. [It got a lot of press coverage.](#)

No one wrote a virus for a class project. No new malware got into the wild. No new breed of supervillain graduated.

Teaching this stuff is just plain smart.

• Digg this • Add to del.icio.us

★ Add star Share Email (Updated) Mark as read Edit tags: security

★ Bush's Watch Stolen? 11:01 AM (4 hours ago)

from Schneier on Security by schneier

Watch [this video](#) very carefully; it's President Bush working the crowds in Albania. At 0:50 minutes into the clip, Bush has a watch. At 1:04 minutes into the clip, he *had* a watch.

The U.S. is [denying](#) that his watch was stolen:

Photographs showed Bush, surrounded by five bodyguards, putting his hands behind his back so one of the bodyguards could remove his watch.

I simply don't see that in the video. Bush's arm is out in front of him during the entire nine seconds between those stills.

Another [denial](#):

▲ Previous item ▼ Next item

more than 20 items



Scott Granneman

View my profile page

3,000

TWEETS

145

FOLLOWING

367

FOLLOWERS

Compose new Tweet...

Who to follow - Refresh - View all



JanYAllen @JanYAllen

Followed by Jans Carton and others

Follow



woot.com @woot

Followed by Kyle K and others

Follow

United States trends - Change

If I Had a Gun

I Believe I Can Fly

#THINGSYOUOUGHTDOURINGSEX

#tanishagetsmarried

#WINEverTrust

Gilbert Arenas

Petar and Quagmire

Clive

Reggie Evans

twitter

© 2012 Twitter About Help Terms Privacy

Blog Status Apps Resources Jobs

Advertisers Businesses Media Developem

Tweets



William Gibson @GreatDismal

11m

Mrs GD warns Animals In The News has some very sad ones.

Expand



icy @playicy33

20m

FoxFi - Turn Android into free WiFi Hotspot (no root) foxfi.com via

@FoxFI_Android

Expand



William Gibson @GreatDismal

24m

Mrs GD sees animals in the news theatlantic.com/infocus/2012/0...

Expand



Tim Penning, PhD, APR @penningink

28m

Asked my class tonight what significant event happened in France yesterday? Crickets

Retweeted by David Shasta

from Michigan, US



pourmecoffee @pourmecoffee

1h

The rich get special advantages: j.mp/izu2L

Retweeted by Jeff Smith

Expand



Jeff Smith @JeffSmithMO

31m

Maybe he can buy my house? MT @michaelcalhoun: Larry Rice narrows down where homeless tent city will be. Btwn 64 + 44 and Grand + Kingshwy.

Expand



TJ Gaylord @TJGaylord

42m

@unmarketing would be proud, I am using "tweets" and "likes" in my master's thesis. #2012

Retweeted by Julia Pittyk

Expand



Scott Granneman

FAVORITES

News Feed

Messages 99+

Events 5

GROUPS

Ray's Left of Left... 10

WWAC 1

Sigma Phi Epsilo... 1

MHS Class of 1986 4

Add Group...

FRIENDS

Close Friends

Family 17

Crossroads Coll... 5

Washington Uni... 20+

WebSanity

Marshall Senior ... 20+

Saint Louis Area 20+

Crossroads 20+

APPS

Apps and Games 16

PAGES

WebSanity

MORE+

Update Status Add Photo / Video Ask Question

What's on your mind?

SORT



Amelia Neely

Thanks to everyone who came to Nora's blessing! She was a trooper and is now fast asleep. A special shout out to her God Parents Kenneth and Ching for making the long trip from Arkansas and Teresa for officiating a thoughtful ceremony. Now to bed!

Like - Comment - 33 minutes ago via mobile

Teresa K. M. Daniele and 2 others like this.

Write a comment...



Jd Shanahan

enjoy your family and friends...but remember that this holiday was bought at a price



Please take a moment...

By: Bryan Turbow

Like - Comment - Share - about an hour ago

John Baldridge, Mary Munoz Dobbs and 5 others like this.

1 share

- Austin Hihoppikachu and 1 other
- Nora's Blessing and... at 2:30pm
- 3 Zynga Slingo requests
- 13 other app requests outstanding

People You May Know

See All



Tom Robinson

20 mutual friends

Add Friend



Patrick Barr

49 mutual friends

Add Friend

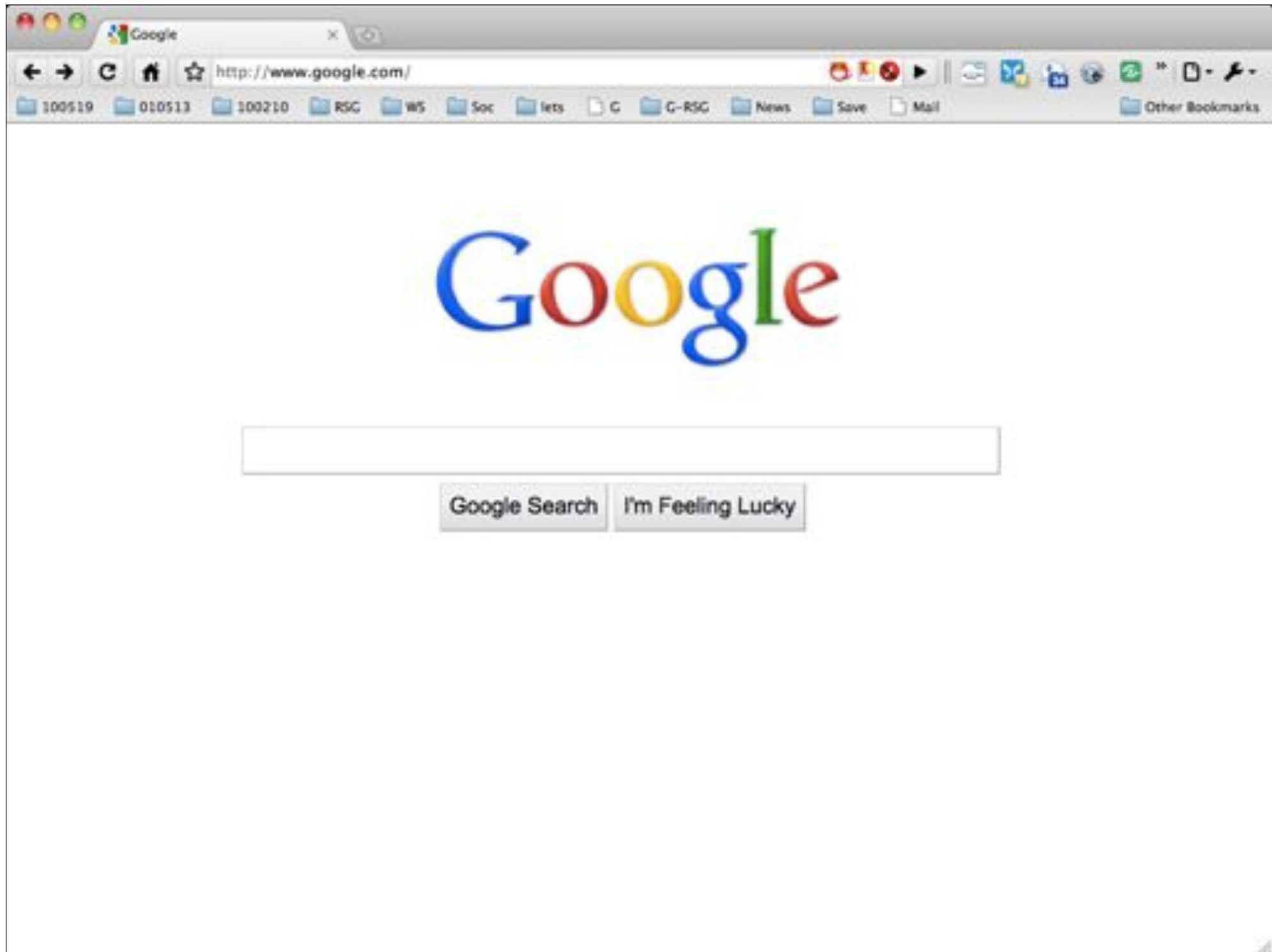
Sponsored

Create an Ad

Facebook © 2012

English (US) - Privacy - Terms - More

1 Chat (15)







at&t



Edit Messages (3)

Search

- Brad Bartlett, Gus Gr...** 10:33 PM
Keep ur pants on
- Gus Granneman** 10:18 PM
Try again
- Denise Lieberman** 6:15 PM
There in 2
- Carrie Jaeger** 5:28 PM
No.
- Deborah Jacobs** 12:08 PM
Thank you so much!
- Google Voice** Yesterday
(3/3)cell. Would appreciate a call. Thank you.



Dropbox

amazon.com

Welcome.

The All-New
kindle fire



Get Daily
Amazon
Deals

Your Recommendations



> See more

Hello, Ralph S. Granneman

Sign Out



Home



Search



Cart



Wish List



More



Messages



Calendar



Photos



Maps



Weather²



Dark Sky



Contacts



Contacts



Utilities



Reminders



Safari



1Password



My Files



Everyday



Settings



Phone



Social



Cameras



AV







The image shows the VISA logo, which consists of the word "VISA" in a bold, blue, sans-serif font. The text is centered between a blue horizontal bar at the top and a yellow horizontal bar at the bottom. The entire logo is enclosed within a green rectangular border.

VISA

E-Z Pass SM



















123

SESAME STREET

ELMO'S MONSTER MAKER

CREATED
WITH



© Sesame Workshop 2009. All Rights Reserved.



PBS KIDS
VIDEO
puts kids
in control!



PLAY ▶



BROWS





STEAM™

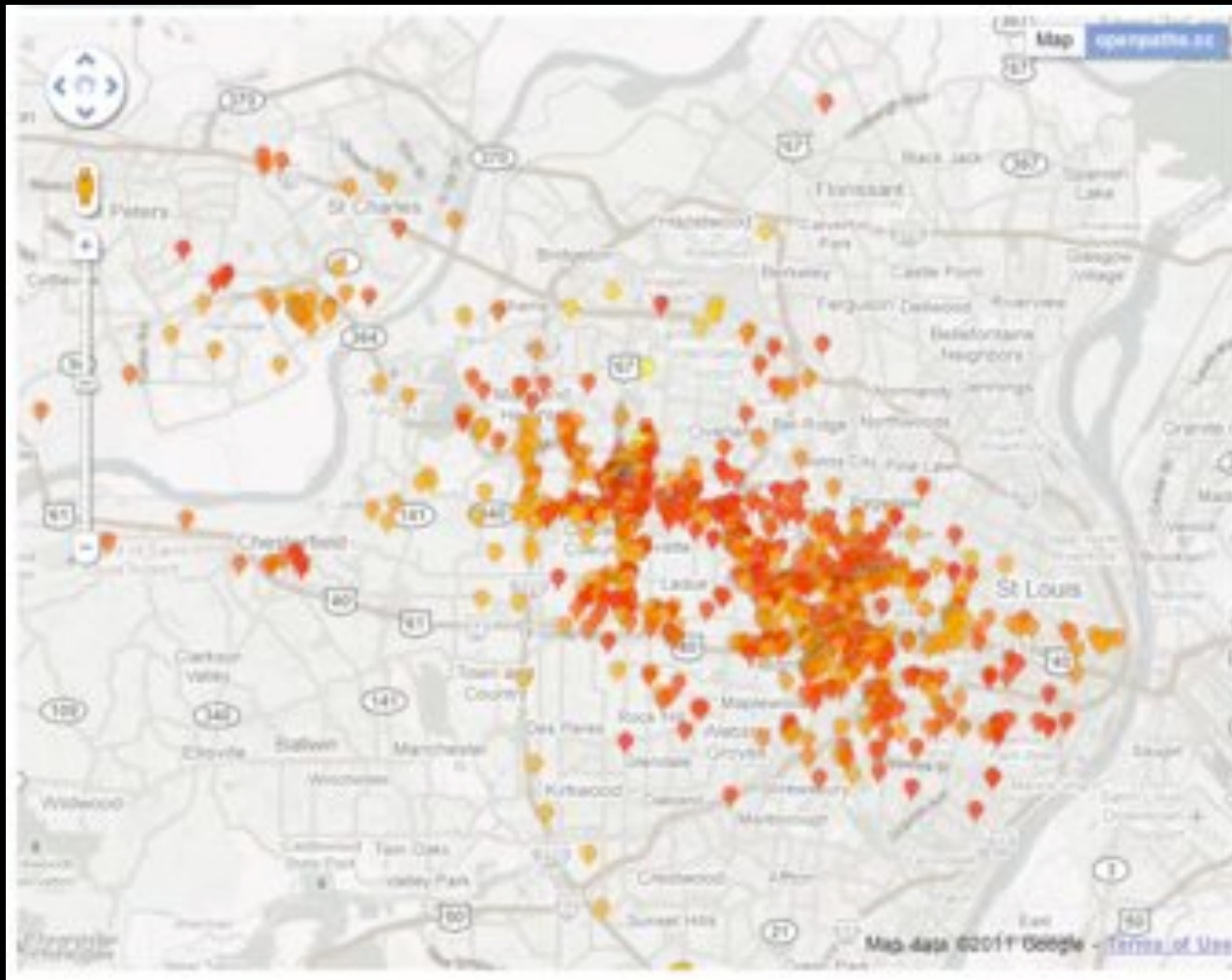








Cell Phone Tracking



- Animate
- Show Lines
- Markers
- Follow
- Move Speed
- Hour Spectrum Colors
- Day/Night Colors
- Weekday/Weekend Colors
- Unicorn Rainbow Colors
- Reset Map
- Close Controls

This May 5, 2011 9:44

Key

morning	noon	evening
---------	------	---------



U.S. v. Jones
(2012)

Syllabus

NOTE: Where it is feasible, a syllabus (headnote) will be released, as is being done in connection with this case, at the time the opinion is issued. The syllabus constitutes no part of the opinion of the Court but has been prepared by the Reporter of Decisions for the convenience of the reader. See *United States v. Detroit Timber & Lumber Co.*, 200 U. S. 321, 337.

SUPREME COURT OF THE UNITED STATES

Syllabus

UNITED STATES *v.* JONES

**CERTIORARI TO THE UNITED STATES COURT OF APPEALS FOR
THE DISTRICT OF COLUMBIA CIRCUIT**

No. 10–1259. Argued November 8, 2011—Decided January 23, 2012

The Government obtained a search warrant permitting it to install a Global-Positioning-System (GPS) tracking device on a vehicle registered to respondent Jones’s wife. The warrant authorized installation in the District of Columbia and within 10 days, but agents installed the device on the 11th day and in Maryland. The Government then tracked the vehicle’s movements for 28 days. It subsequently secured an indictment of Jones and others on drug trafficking conspiracy charges. The District Court suppressed the GPS data obtained while the vehicle was parked at Jones’s residence, but held the remaining data admissible because Jones had no reasonable expecta-





Property of Museum of History & Industry, Seattle

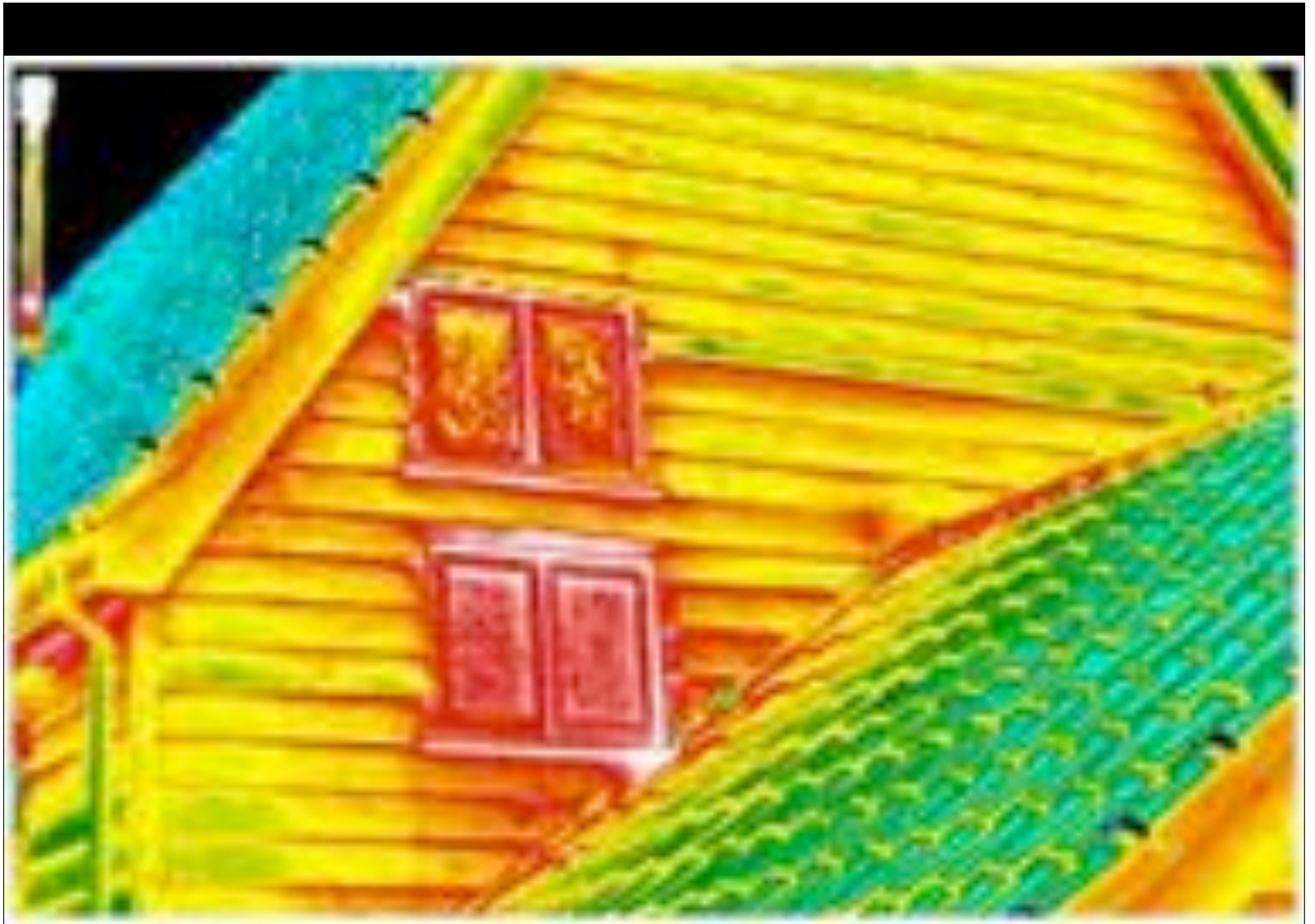






AP / Rex USA









Objections

Will bad guys
“take down the Internet”?

“If you’re not doing anything wrong,
then you won’t object
if the government watches you.”

2 maxims about power

2 maxims about power

Power corrupts,
& absolute power
corrupts absolutely

2 maxims about power

Power corrupts,
& absolute power
corrupts absolutely

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.)

www.granneman.com/ladue

All slides

Suggested readings



Thank you!

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Twitter: [scottgranneman](https://twitter.com/scottgranneman)

Surveillance & Privacy: Technology & the Law

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Denise Lieberman

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