

References

What the Terrorists Want

Incidents:

http://www.dailymail.co.uk/pages/live/articles/news/news.html?in_article_id=401419&in_page_id=1770 or <http://tinyurl.com/k5njg>
http://news.bbc.co.uk/2/hi/uk_news/england/5267884.stm
<http://www.cbsnews.com/stories/2006/08/17/national/main1906433.shtml>
<http://www.cbc.ca/story/canada/national/2006/08/18/doctor-winnipeg.html> or <http://tinyurl.com/emnox>
http://www.heraldnet.com/stories/06/08/16/100wir_port1.cfm
http://www.miami.com/mld/miamiherald/news/local/states/florida/counties/broward_county/15321870.htm or <http://tinyurl.com/s5oxe>
http://www.usatoday.com/news/nation/2006-08-20-fbi-passenger_x.htm
<http://www.theage.com.au/articles/2006/08/17/1155407916156.html>
<http://www.guardian.co.uk/uklatest/story/0,,-6024132,00.html>
<http://news.bbc.co.uk/2/hi/europe/5283476.stm>
<http://forums.worldofwarcraft.com/thread.html?topicId=11211166>

There have been many more incidents since I wrote this—all false alarms. I've stopped keeping a list.

The chemical unreality of the plot:

http://www.theregister.co.uk/2006/08/17/flying_toilet_terror_labs/print.html or <http://tinyurl.com/eeen2>
<http://www.interesting-people.org/archives/interesting-people/200608/msg00087.html> or <http://tinyurl.com/etr18>
http://www.boingboing.net/2006/08/14/tatp_about_that_pyro.html
<http://www.timesonline.co.uk/article/0,,2-2306994,00.html>
<http://www.cnn.com/2006/US/08/10/us.security/index.html>
<http://www.wondermark.com/d/220.html>
<http://kfmonkey.blogspot.com/2006/08/wait-arent-you-scared.html>

This essay also makes the same point that we're overreacting, as well as describing a 1995 terrorist plot that was remarkably similar in both materials and modus operandi—and didn't result in a complete ban on liquids:

http://www.salon.com/opinion/feature/2006/08/17/airport_futility/

My previous related writings:

<http://www.schneier.com/essay-096.html>
<http://www.schneier.com/essay-038.html>
http://www.schneier.com/blog/archives/2006/08/terrorism_secured.html

<http://www.schneier.com/essay-087.html>

<http://www.schneier.com/essay-045.html>

This essay originally appeared in *Wired*:

<http://www.wired.com/news/columns/0,71642-0.html>

Movie-Plot Threats

This essay was originally published in *Wired*:

<http://www.wired.com/news/business/0,1367,68789,00.html>

Fixing Intelligence Failures

My original articles:

<http://www.counterpane.com/crypto-gram-0109a.html#4>

<http://www.counterpane.com/crypto-gram-0109a.html#8>

Data Mining for Terrorists

This essay originally appeared on *Wired.com*:

<http://www.wired.com/news/columns/0,70357-0.html>

TIA:

<http://www.epic.org/privacy/profiling/tia/>

<http://www.fas.org/sgp/congress/2003/tia.html>

Its return:

<http://nationaljournal.com/about/njweekly/stories/2006/0223nj1.htm>

GAO report:

http://www.epic.org/privacy/profiling/gao_dm_rpt.pdf

MATRIX:

<http://www.aclu.org/privacy/spying/15701res20050308.html>

Base rate fallacy:

<http://www.cia.gov/csi/books/19104/art15.html#ft145>

The New York Times on the NSA eavesdropping program:

http://www.schneier.com/blog/archives/2006/01/post_1.html

The Architecture of Security

The New York Times article about the change:

http://www.nytimes.com/2006/10/07/nyregion/nyregionspecial3/07bollard.html?_r=1&oref=slogin

This essay originally appeared on Wired.com.

<http://www.wired.com/news/columns/0,71968-0.html>

The War on the Unexpected

Ad campaigns:

<http://www.mta.info/mta/security/index.html>

http://www.manchestereveningnews.co.uk/news/s/1000/1000981_help_us_spot_terrorists__police.html **or** <http://tinyurl.com/27wuan>

<http://www.schneier.com/blog/archives/2007/04/citizencountert.html>

Administration comments:

http://www.washingtonpost.com/wp-srv/nation/attacked/transcripts/ashcroft_100801.htm

http://www.usatoday.com/news/washington/2005-07-07-dc-londonblasts_x.html **or** <http://tinyurl.com/25vf3y>

<http://query.nytimes.com/gst/fullpage.html?res=9C05E6DC1F3AF932A05752C0A9649C8B63> **or** <http://tinyurl.com/2463aw>

Incidents:

http://news.bbc.co.uk/1/hi/northern_ireland/6387857.stm

http://www.schneier.com/blog/archives/2007/09/woman_arrested.html

<http://www.lineofduty.com/content/view/84004/128/>

http://www.schneier.com/blog/archives/2007/05/uk_police_blow.html

<http://www.startribune.com/462/story/826056.html>

<http://dir.salon.com/story/tech/col/smith/2004/07/21/askthepilot95/index.html> **or** <http://tinyurl.com/2bn3qo>

http://www.schneier.com/blog/archives/2006/10/this_is_what_vi.html

http://www.schneier.com/blog/archives/2007/10/latest_terroris.html

<http://www.msnbc.msn.com/id/20441775/>

http://www.thisisbournemouth.co.uk/display.var.1717690.0.seized_by_the_police.php **or** <http://tinyurl.com/36dgj8>

<http://altnet.org/rights/50939/>

http://www.schneier.com/blog/archives/2007/04/english_profess.html

http://www.mercurynews.com/breakingnews/ci_7084101?nclick_check=1

http://www.boston.com/news/globe/city_region/breaking_news/2007/01/bomb_squad_remo.html **or** <http://tinyurl.com/ywumf1>

<http://www.postgazette.com/pg/06081/674773.stm>

http://www.schneier.com/blog/archives/2007/04/another_boston.html

CYA:

http://www.schneier.com/blog/archives/2007/02/cya_security_1.html

Public campaigns:

http://www.schneier.com/blog/archives/2005/12/truckers_watchi.html

http://www.winnipegfirst.ca/article/2007/09/24/report_suspicious_behaviour_u_of_m_tells_students **OR** <http://tinyurl.com/2c2t2a>
http://www.underwatertimes.com/print.php?article_id=64810251370
http://en.wikipedia.org/wiki/Operation_TIPS

Law protecting tipsters:

<http://www.post-gazette.com/pg/07245/813550-37.stm>

Successful tips:

<http://www.washingtonpost.com/wp-dyn/content/article/2007/05/08/AR2007050800465.html> **OR** <http://tinyurl.com/38t6vd>
http://www.pe.com/localnews/publicsafety/stories/PE_News_Local_D_honor06.3ee3472.html **OR** <http://tinyurl.com/2g26xv>

This essay originally appeared on Wired.com:

http://www.wired.com/politics/security/commentary/securitymatters/2007/11/securitymatters_1101 **OR** <http://tinyurl.com/yqvoy6>

Some links didn't make it into the original article. There's this creepy "if you see a father holding his child's hands, call the cops" campaign:

<http://www.bloggernews.net/18108>

There's this story of an iPod found on an airplane:

<http://forums.worldofwarcraft.com/thread.html?topicId=11211166&pageNo=1> **OR**
<http://tinyurl.com/ogpbv>

There's this story of an "improvised electronics device" trying to get through airport security:

http://www.makezine.com/blog/archive/2007/09/microcontroller_programme.html?CMP=OTC-0D6B48984890 **OR** <http://tinyurl.com/2ynbru>

This is a good essay on the "war on electronics":

http://www.cnet.com/surveillance-state/8301-13739_1-9782861-46.html

Portrait of the Modern Terrorist as an Idiot

There are a zillion links associated with this essay. You can find them on the online version:

http://www.schneier.com/blog/archives/2007/06/portrait_of_the.html

This essay originally appeared on Wired.com:

http://www.wired.com/politics/security/commentary/securitymatters/2007/06/securitymatters_0614 **OR** <http://tinyurl.com/29mxc5>

Correspondent Inference Theory and Terrorism

<http://www.mitpressjournals.org/doi/pdf/10.1162/isec.2006.31.2.42>
http://en.wikipedia.org/wiki/Correspondent_inference_theory

Cognitive biases:

<http://www.healthbolt.net/2007/02/14/26-reasons-what-you-think-is-right-is-wrong/> or <http://tinyurl.com/2oo5nk>

This essay originally appeared on Wired.com:

http://www.wired.com/politics/security/commentary/securitymatters/2007/07/securitymatters_0712 or <http://tinyurl.com/3y322f>

The Security Threat of Unchecked Presidential Power

This essay was published on December 21, 2005 as an op-ed in the *Minneapolis Star Tribune*:

<http://www.startribune.com/562/story/138326.html>

Here's the opening paragraph of the Yoo memo. Remember, think of this power in the hands of your least favorite politician when you read it:

“You have asked for our opinion as to the scope of the President’s authority to take military action in response to the terrorist attacks on the United States on September 11, 2001. We conclude that the President has broad constitutional power to use military force. Congress has acknowledged this inherent executive power in both the War Powers Resolution, Pub. L. No. 93-148, 87 Stat. 555 (1973), codified at 50 U.S.C. §§ 1541-1548 (the “WPR”), and in the Joint Resolution passed by Congress on September 14, 2001, Pub. L. No. 107-40, 115 Stat. 224 (2001). Further, the President has the constitutional power not only to retaliate against any person, organization, or State suspected of involvement in terrorist attacks on the United States, but also against foreign States suspected of harboring or supporting such organizations. Finally, the President may deploy military force preemptively against terrorist organizations or the States that harbor or support them, whether or not they can be linked to the specific terrorist incidents of September 11.”

There's a similar reasoning in the Braybee memo, which was written in 2002 about torture:

Yoo memo:

<http://www.usdoj.gov/o1c/warpowers925.htm>

Braybee memo:

<http://www.washingtonpost.com/wp-srv/nation/documents/dojinterrogationmemo20020801.pdf>

This story has taken on a life of its own. But there are about a zillion links and such listed here:

http://www.schneier.com/blog/archives/2005/12/the_security_th_1.html

I am especially amused by the bit about NSA shift supervisors making decisions legally reserved for the FISA court.

NSA and Bush's Illegal Eavesdropping

A version of this essay originally appeared in *Salon*:

<http://www.salon.com/opinion/feature/2005/12/20/surveillance/>

Text of FISA:

http://www.law.cornell.edu/uscode/html/uscode50/usc_sup_01_50_10_36_20_1.html or <http://tinyurl.com/d7ra4>

Summary of annual FISA warrants:

http://www.epic.org/privacy/wiretap/stats/fisa_stats.html

Rockefeller's secret memo:

<http://talkingpointsmemo.com/docs/rock-cheney1.html>

Much more here:

http://www.schneier.com/blog/archives/2005/12/nsa_and_bushs_i.html

Private Police Forces

<http://www.washingtonpost.com/wp-dyn/content/article/2007/01/01/AR2007010100665.html> or <http://tinyurl.com/y26xgr>

<http://www.nlg-npap.org/html/research/LWprivatepolice.pdf>

This op-ed originally appeared in the *Minneapolis Star-Tribune*:

<http://www.startribune.com/562/story/1027072.html>

Recognizing “Hinky” vs. Citizen Informants

Hinky:

<http://www.schneier.com/blog/archives/2005/07/profiling.html>

RIT story:

<http://www.nj.com/news/ledger/morris/index.ssf?base/news-2/1177047289122820.xml&coll=1> or <http://tinyurl.com/228zm8>

Casino security and the “Just Doesn't Look Right (JDLR)” principle:

<http://www.casinosurveillancenews.com/jdlr.htm>

Commentary:

<http://www.cato-at-liberty.org/2007/04/26/id-be-ok-with-hinky-given-post-hoc-articulation/> or <http://tinyurl.com/2b3bfz>

The blog post has many more links to the specific things mentioned in the essay:

http://www.schneier.com/blog/archives/2007/04/recognizing_hin_1.html

When I posted this on my blog, I got a lot of negative comments from Libertarians who believe that somehow, the market makes private policemen more responsible to the public than government policemen. I'm sorry, but this is nonsense. Best Buy is going to be responsive to its customers; an apartment complex is going to be responsive to its renters. Petty criminals who prey on those businesses are an economic externality; they're not going to enter into the economic arguments. After all, people might be more likely to shop at Best Buy if their security guards save them money by keeping crime down—who cares if they crack a few non-customer heads while doing it.

None of this is meant to imply that public police forces are magically honorable and ethical; just that the economic forces are different. So people can consider carefully which is the lesser of two evils, here's Radley Balko's paper "Overkill: The Rise of Paramilitary Police Raids in America":

http://www.cato.org/pub_display.php?pub_id=6476

And an interactive map of public police raids gone bad:

<http://www.cato.org/raidmap/>

Dual-Use Technologies and the Equities Issue

Estonia's cyberwar:

http://www.wired.com/politics/security/magazine/15-09/ff_estonia

<http://blog.wired.com/27bstroke6/2008/01/we-traced-the-c.html>

Cyberwar, cyberterrorism, etc.:

<http://www.schneier.com/blog/archives/2007/06/cyberwar.html>

NSA and DHS cybersecurity initiatives:

http://www.schneier.com/blog/archives/2007/01/nsa_helps_micro_1.html

<http://www.nsa.gov/selinux/>

<http://www.eweek.com/c/a/Security/DHS-Funds-OpenSource-Security-Project/>

or <http://tinyurl.com/3ggg5g>

http://www.schneier.com/blog/archives/2007/01/us_government_t.html

This essay originally appeared on Wired.com:

http://www.wired.com/politics/security/commentary/securitymatters/2008/05/blog_securitymatters_0501 or

<http://tinyurl.com/68zj7m>

Identity-Theft Disclosure Laws

California's SB 1386:

http://info.sen.ca.gov/pub/01-02/bill/sen/sb_1351-1400/sb_1386_bill_20020926_chaptered.html or

<http://tinyurl.com/dgh0>

Existing state disclosure laws:

<http://www.pirg.org/consumer/credit/statelaws.htm>

<http://www.cwalsh.org/cgi-bin/bloxom.cgi/2006/04/20#breachlaws>

HR 4127 - Data Accountability and Trust Act:

<http://thomas.loc.gov/cgi-bin/query/C?c109:./temp/~c109XvxF76>

HR 3997:

<http://thomas.loc.gov/cgi-bin/query/C?c109:./temp/~c109gnLQGA>

ID Analytics study:

http://www.idanalytics.com/news_and_events/20051208.htm

My essay on identity theft:

http://www.schneier.com/blog/archives/2005/04/mitigating_iden.html

A version of this essay originally appeared on *Wired.com*:

<http://www.wired.com/news/columns/0,70690-0.html>

Academic Freedom and Security

This essay was originally published in the *San Jose Mercury News*:

<http://www.mercurynews.com/mlid/mercurynews/9710963.htm?1c>

Sensitive Security Information (SSI)

Background on SSI:

http://www.cjog.net/background_ssi_sensitive_security_in.html

TSA's Regulation on the Protection of SSI:

<http://www.fas.org/sgp/news/2004/05/fr051804.html>

Controversies surrounding SSI:

<http://www.fas.org/sgp/crs/RS21727.pdf>

My essay explaining why secrecy is often bad for security:

<http://www.schneier.com/crypto-gram-0205.html#1>

The Director of the National Security Archive at George Washington University on the problems of too much secrecy:

<http://www.gwu.edu/>

Fingerprinting Foreigners

A version of this essay originally appeared in *Newsday*:

<http://www.newsday.com/news/opinion/ny-vpsch143625202jan14,0,1880923.story>

or <http://tinyurl.com/2yy7t>

Office of Homeland Security webpage for the program:

http://www.dhs.gov/dhspublic/interapp/editorial/editorial_0333.xml

News articles:

<http://www.washtimes.com/national/20031201-115121-4339r.htm>

<http://www.washtimes.com/national/20031027-112510-5818r.htm>

<http://www.nytimes.com/reuters/news/news-security-usa-visas.html>

http://gcn.com/vol1_no1/daily-updates/24536-1.html

<http://www.sunspot.net/news/custom/attack/bal-airport0106,0,42711.story>

<http://www.cnn.com/2004/US/01/04/visit.program/>

<http://www.nytimes.com/2004/01/05/national/05CND-SECU.html>

http://www.ilw.com/lawyers/immigdaily/doj_news/2004,0106-hutchinson.shtm

<http://www.theage.com.au/articles/2004/01/06/1073268031785.html>

<http://www.thestar.co.za/index.php?fSectionId=132&fArticleId=318749>

<http://www.ilw.com/lawyers/articles/2003,1231-krikorian.shtm>

Opinions:

<http://news.mysanantonio.com/story.cfm?x1a=saen&x1b=1020&x1c=1074396>

http://www.rockymountainnews.com/drmn/opinion/article/0,1299,DRMN_38_2475765,00.html or <http://tinyurl.com/3bqze>

<http://www.shusterman.com/pdf/advocacy61703.pdf>

http://www.washingtontechnology.com/ad_sup/homeland-coalition/2.html

Brazil fingerprints U.S. citizens in retaliation:

<http://reprints.msnbc.com/id/3875747/>

U.S. Medical Privacy Law Guttled

News article:

<http://www.nytimes.com/2005/06/07/politics/07privacy.html>

Swire's essay:

<http://www.americanprogress.org/site/pp.asp?c=biJRJ80VF&b=743281>

Airport Passenger Screening

<http://archives.cnn.com/2002/US/03/25/airport.security/>

<http://www.msnbc.msn.com/id/11863165/>

<http://www.msnbc.msn.com/id/11878391/>

A version of this essay originally appeared on Wired.com:

<http://www.wired.com/news/columns/0,70470-0.html>

No-Fly List

Additional information:

<http://www.aclu.org/SaveandFree/SaveandFree.cfm?ID=12740&c=206>

<http://www.wired.com/news/privacy/0,1848,58386,00.html>

<http://www.salon.com/tech/feature/2003/04/10/capps/index.html>

<http://www.commondreams.org/headlines02/0927-01.htm>

<http://www.truthout.org/cgi-bin/artman/exec/view.cgi/6/3520>

<http://www.belleville.com/mlid/newsdemocrat/8371700.htm>

Kennedy's story:

<http://www.msnbc.msn.com/id/5765143>

http://abcnews.go.com/wire/US/reuters20040820_78.html

Getting off the list by using your middle name:

<http://www.contracostatimes.com/mlid/cctimes/news/world/9466229.htm>

This essay originally appeared in *Newsday*:

<http://www.newsday.com/news/opinion/ny-vpsch253941385aug25,0,3252599.story>

or <http://makeashorterlink.com/?W29816849>

Trusted Traveler Program

This essay originally appeared in *The Boston Globe*:

http://www.boston.com/news/globe/editorial_opinion/oped/articles/2004/08/24/an_easy_path_for_terrorists/

or <http://makeashorterlink.com/?E2E224939>

Screening People with Clearances

This essay originally appeared on Wired.com:

<http://www.wired.com/news/columns/1,71906-0.html>

Forge Your Own Boarding Pass

This is my 30th essay for Wired.com:

<http://www.wired.com/news/columns/0,72045-0.html>

News:

<http://j0hn4d4m5.bravehost.com>

<http://slightparanoia.blogspot.com/2006/10/post-fbi-visit.html>

<http://slightparanoia.blogspot.com/2006/10/fbi-visit-2.html>

http://blog.wired.com/27bstroke6/2006/10/congressman_ed_.html

<http://markey.house.gov/index.php?option=content&task=view&id=2336&Itemid=125> or <http://tinyurl.com/ymjkxa>

http://blog.wired.com/27bstroke6/2006/10/boarding_pass_g.html

Older mentions of the vulnerability:

<http://www.csoonline.com/read/020106/caveat021706.html>

<http://www.slate.com/id/2113157/fr/rss/>

http://www.senate.gov/~schumer/SchumerWebsite/pressroom/press_releases/2005/PR4123.aviationsecurity021305.html or <http://tinyurl.com/yzoon6>

<http://www.schneier.com/crypto-gram-0308.html#6>

No-fly list:

http://www.schneier.com/blog/archives/2005/12/30000_people_mi.html

http://www.schneier.com/blog/archives/2005/09/secure_flight_n_1.html

http://www.schneier.com/blog/archives/2006/10/nofly_list.html

http://www.schneier.com/blog/archives/2005/08/infants_on_the.html

Our Data, Ourselves

This essay previously appeared on [Wired.com](#):

http://www.wired.com/politics/security/commentary/securitymatters/2008/05/securitymatters_0515

The Value of Privacy

A version of this essay originally appeared on [Wired.com](#):

<http://www.wired.com/news/columns/0,70886-0.html>

Daniel Solove comments:

http://www.concurringopinions.com/archives/2006/05/is_there_a_good.html or

<http://tinyurl.com/nmj3u>

The Future of Privacy

This essay was originally published in the *Minneapolis Star-Tribune*:

<http://www.startribune.com/562/story/284023.html>

Privacy and Power

The inherent value of privacy:

<http://www.schneier.com/essay-114.html>

Erik Crespo story:

<http://www.nytimes.com/2007/12/08/nyregion/08about.html>

<http://abcnews.go.com/TheLaw/wireStory?id=3968795>

Cameras catch a policeman:

[http://www.officer.com/web/online/Top-News-Stories/Cameras-Turn-Lens-on-Police-Activities-/1\\$40169](http://www.officer.com/web/online/Top-News-Stories/Cameras-Turn-Lens-on-Police-Activities-/1$40169) or <http://tinyurl.com/2ltqcy>

Security and control:

<http://www.schneier.com/essay-203.html>

This essay originally appeared on Wired.com:

http://www.wired.com/politics/security/commentary/securitymatters/2008/03/securitymatters_0306 or <http://tinyurl.com/2xrcnn>

Commentary/rebuttal by David Brin:

http://www.wired.com/politics/security/news/2008/03/brin_rebuttal

Security vs. Privacy

McConnell article from *New Yorker*:

http://www.newyorker.com/reporting/2008/01/21/080121fa_fact_wright
<http://arstechnica.com/news.ars/post/20080117-us-intel-chief-wants-carte-blanche-to-peep-all-net-traffic.html> or <http://tinyurl.com/2xkwvu>
<http://blog.wired.com/27bstroke6/2008/01/feds-must-exami.html>

Trading off security and privacy:

http://www.huffingtonpost.com/ka-taipale/privacy-vs-security-se_b_71785.html or <http://tinyurl.com/2gdqbn>
http://www.huffingtonpost.com/marc-rotenberg/privacy-vs-security-pr_b_71806.html or <http://tinyurl.com/2hoz8>
http://findarticles.com/p/articles/mi_m0GER/is_2002_Winter/ai_97116472/pg_1 or <http://tinyurl.com/2yk23v>
http://www.rasmussenreports.com/public_content/politics/current_events/general_current_events/51_say_security_more_important_than_privacy or <http://tinyurl.com/ypcen8>
<http://www.scu.edu/ethics/publications/briefings/privacy.html>
<http://www.csmonitor.com/2002/1015/p11s02-coop.html>

False dichotomy:

<http://www.schneier.com/crypto-gram-0109a.html#8>
<http://www.wired.com/politics/law/commentary/circuitcourt/2006/05/70971>

Donald Kerr's comments:

http://www.schneier.com/blog/archives/2007/11/redefining_priv.html

Related essays:

<http://www.schneier.com/essay-008.html>
<http://www.schneier.com/essay-096.html>
<http://www.schneier.com/essay-036.html>
<http://www.schneier.com/essay-160.html>
<http://www.schneier.com/essay-100.html>
<http://www.schneier.com/essay-108.html>
<http://www.schneier.com/essay-163.html>

<http://arstechnica.com/news.ars/post/20080119-analysis-metcalfes-law-real-id-more-crime-less-safety.html> or <http://tinyurl.com/23h88d>
http://www.schneier.com/blog/archives/2007/09/more_on_the_ge_1.html
http://www.schneier.com/blog/archives/2007/06/portrait_of_the_1.html
http://www.schneier.com/blog/archives/2006/05/the_value_of_pr.html "

This essay originally appeared on Wired.com:

http://www.wired.com/politics/security/commentary/securitymatters/2008/01/securitymatters_0124 or <http://tinyurl.com/yr98nf>

Is Big Brother a Big Deal?

This essay appeared in the May 2007 issue of *Information Security*, as the second half of a point/counterpoint with Marcus Ranum:

http://informationsecurity.techtarget.com/magItem/0,291266,sid42_gci1253144,00.html or <http://tinyurl.com/2a8wpf>

Marcus's half:

http://www.ranum.com/security/computer_security/editorials/point-counterpoint/bigbrother.html or <http://tinyurl.com/2cfuwy>

How to Fight

Privacy International's Stupid Security Awards:

<http://www.privacyinternational.org/activities/stupidsecurity/>

Stupid Security Blog:

<http://www.stupidsecurity.com/>

Companies Cry 'Security' to Get A Break From the Government:

http://online.wsj.com/article_email/0,,SB10541572621041000,00.html

Gilmore's suit:

<http://freetotravel.org/>

Relevant Minnesota pharmacist rules:

<http://www.revisor.leg.state.mn.us/arule/6800/3110.html>

How you can help right now:

Tell Congress to Get Airline Security Plan Under Control!

<http://actioncenter.ctsg.com/admin/adminaction.asp?id=2557>

TIA Update: Ask Your Senators to Support the Data-Mining Moratorium Act of 2003!

<http://actioncenter.ctsg.com/admin/adminaction.asp?id=2401>

Congress Takes Aim at Your Privacy

<http://actioncenter.ctsg.com/admin/adminaction.asp?id=1723>

Total Information Awareness: Public Hearings Now!

<http://actioncenter.ctsg.com/admin/adminaction.asp?id=2347>

Don't Let the INS Violate Your Privacy

<http://actioncenter.ctsg.com/admin/adminaction.asp?id=2436>

Demand the NCIC Database Be Accurate

http://www.petitiononline.com/mod_perl/signed.cgi?ncic

Citizens' Guide to the FOIA

<http://www.fas.org/sgp/foia/citizen.html>

Toward Universal Surveillance

This essay originally appeared on CNet:

<http://news.com.com/2010-1028-5150325.html>

Kafka and the Digital Person

The book's website:

<http://www.law.gwu.edu/facweb/dsolove/Solove-Digital-Person.htm>

Order the book on Amazon:

<http://www.amazon.com/exec/obidos/ASIN/0814798462/counterpane>

CCTV Cameras

CCTV research:

<http://electronics.howstuffworks.com/police-camera-crime1.htm>

<http://www.scotcrim.u-net.com/researchc2.htm>

<http://news.bbc.co.uk/1/hi/uk/2192911.stm>

<http://www.homeoffice.gov.uk/rds/pdfs05/hors292.pdf>

<http://www.sfgate.com/cgi-bin/article.cgi?f=/c/a/2007/08/14/MNIPRHRPE.DTL>

<http://www.temple.edu/cj/misc/PhilaCCTV.pdf>

<http://archives.cnn.com/2002/LAW/10/21/ctv.cameras/>

<http://www.guardian.co.uk/uk/2008/may/06/ukcrime1>

London's cameras:

<http://www.channel4.com/news/articles/society/factcheck+how+many+cctv+cameras/2291167>

http://www.ico.gov.uk/upload/documents/library/data_protection/practical_application/surveillance_society_full_report_2006.pdf

CCTV abuses:

http://news.bbc.co.uk/2/hi/uk_news/england/merseyside/4609746.stm

<http://www.timesonline.co.uk/tol/news/uk/article743391.ece>
<http://community.seattletimes.nwsources.com/archive/?date=19960324&slug=2320709>
<http://news.bbc.co.uk/2/hi/europe/4849806.stm>

Orwellian cameras:

<http://wuntvor.mirror.waffleimages.com/files/44/44cb4b91287cfdc8111d471867502a3cac861ab0.jpg>
<http://lifeandhealth.guardian.co.uk/family/story/0,,2280044,00.html>

Privacy concerns:

<http://epic.org/privacy/surveillance/>
<http://www.aclu.org/privacy/spying/14863res20020225.html>

Surveillance in China:

http://www.rollingstone.com/politics/story/20797485/chinas_allseeing_eye

This essay was:

<http://www.guardian.co.uk/technology/2008/jun/26/politics.ukcrime>

Anonymity and Accountability

This essay originally appeared in *Wired*:

<http://www.wired.com/news/columns/0,70000-0.html>

Kelly's original essay:

http://www.edge.org/q2006/q06_4.html

Gary T. Marx on anonymity:

<http://web.mit.edu/gtmarx/www/anon.html>

Facebook and Data Control

This essay originally appeared on *Wired.com*:

<http://www.wired.com/news/columns/0,71815-0.html>
<http://www.danah.org/papers/FacebookAndPrivacy.html>
<http://www.motherjones.com/interview/2006/09/facebook.html>
<http://www.nytimes.com/2006/09/10/fashion/10FACE.html?ei=5090&en=ccb86e3d53ca671f&ex=1315540800&adxn1=1&partner=rssuserland&emc=rss&adxn1x=1160759797-MRZvPT2RgJLviJ0Z11NuRQ> or <http://tinyurl.com/ycwl6o>
<http://blog.facebook.com/blog.php?post=2208197130>
<http://blog.facebook.com/blog.php?post=2208562130>
<http://mashable.com/2006/08/25/facebook-profile>

Facebook privacy policy:

<http://www.facebook.com/policy.php>

The Death of Ephemeral Conversation

This essay originally appeared on Forbes.com:

http://www.forbes.com/security/2006/10/18/nsa-im-foley-tech-security-cx_bs_1018security.html or <http://tinyurl.com/yymmnee>

Automated Targeting System

News articles:

http://news.yahoo.com/s/ap_travel/20061208/ap_tr_ge/travel_brief_traveler_screening or <http://tinyurl.com/yygbda>

<http://www.washingtonpost.com/wp-dyn/content/article/2006/11/02/AR2006110201810.html> or

<http://tinyurl.com/y192on>

<http://www.ledger-enquirer.com/mld/ledgerenquirer/news/local/16196947.htm> or <http://tinyurl.com/y71bnp>

Federal Register posting:

<http://edocket.access.gpo.gov/2006/06-9026.htm>

Comments from civil liberties groups:

http://www.epic.org/privacy/pdf/ats_comments.pdf

http://www.eff.org/Privacy/ats/ats_comments.pdf

<http://www.aclu.org/privacy/gen/27593leg20061201.html>

<http://www.epic.org/privacy/travel/ats/default.html>

<http://www.epic.org/privacy/surveillance/spotlight/1006/default.html>

Automated terror profiling:

<http://www.schneier.com/essay-108.html>

<http://www.schneier.com/essay-115.html>

http://www.newyorker.com/fact/content/articles/060206fa_fact

http://www.cato.org/pub_display.php?pub_id=6784

No-fly list:

<http://altnet.net/story/42646/>

<http://www.aclu.org/safefree/resources/17468res20040406.html>

Secure Flight:

http://www.schneier.com/blog/archives/2005/07/secure_flight.html

Total Information Awareness:

<http://www.epic.org/privacy/profiling/tia/>

ATS may be illegal:

<http://hasbrouck.org/IDP/IDP-ATS-comments.pdf>

<http://www.washingtonpost.com/wp-dyn/content/article/2006/12/08/AR2006120801833.html> or <http://tinyurl.com/u2j9s>
<http://www.wired.com/news/technology/0,72250-0.html>
<http://www.ledger-enquirer.com/mld/ledgerenquirer/news/local/16196947.htm>
<http://leahy.senate.gov/press/200612/120606.html>

This essay, without the links, was published in *Forbes*:

http://www.forbes.com/forbes/2007/0108/032_print.html

They also published a rebuttal by William Baldwin, although it doesn't seem to rebut any of the actual points. "Here's an odd division of labor: a corporate data consultant argues for more openness, while a journalist favors more secrecy." It's only odd if you don't understand security.

<http://www.forbes.com/forbes/2007/0108/014.html>

Anonymity and the Netflix Dataset

http://www.cs.utexas.edu/~shmat/shmat_netflix-prelim.pdf
<http://www.cs.utexas.edu/~shmat/netflix-faq.html>
<http://www.securityfocus.com/news/11497>
<http://arxivblog.com/?p=142>

2001 IEEE paper:

<http://people.cs.vt.edu/~naren/papers/ppp.pdf>

De-anonymizing the AOL data:

<http://query.nytimes.com/gst/fullpage.html?res=9E0CE3DD1F3FF93AA3575BC0A9609C8B63> or <http://tinyurl.com/2dhgot>
<http://www.securityfocus.com/brief/286>

Census data de-anonymization:

<http://privacy.cs.cmu.edu/dataprivacy/papers/LIDAP-WP4abstract.html>
<http://crypto.stanford.edu/~pgolle/papers/census.pdf>

Anonymous cell phone data:

<http://arxivblog.com/?p=88>

Wholesale surveillance and data collection:

http://www.schneier.com/blog/archives/2006/03/the_future_of_p.html
http://www.schneier.com/blog/archives/2007/05/is_big_brother_1.html

This essay originally appeared on Wired.com:

http://www.wired.com/politics/security/commentary/securitymatters/2007/12/securitymatters_1213 or <http://tinyurl.com/2gk18a>

Does Secrecy Help Protect Personal Information?

This essay appeared in the January 2007 issue of *Information Security*, as the second half of a point/counterpoint with Marcus Ranum:

http://informationsecurity.techtarget.com/magItem/0,291266,sid42_gci1238789,00.html or <http://tinyurl.com/2h5y5u>

Marcus's half:

http://www.ranum.com/security/computer_security/editorials/point-counterpoint/personal_info.html or <http://tinyurl.com/27e2gj>

Risks of Data Reuse

Individual data and the Japanese internment:

<http://www.sciam.com/article.cfm?articleID=A4F4DED6-E7F2-99DF-32E46B0AC1FDE0FE&sc=I100322> or <http://tinyurl.com/33kcy3>

http://www.usatoday.com/news/nation/2007-03-30-census-role_N.htm

<http://www.homelandstupidity.us/2007/04/05/census-bureau-gave-up-wwii-internment-camp-evaders/> or <http://tinyurl.com/2haky8>

http://rawstory.com/news/afp/Census_identified_Japanese_American_03302007.html or <http://tinyurl.com/2ctn13>

Marketing databases:

<http://www.wholesalelists.net>

<http://www.usdatacorporation.com/pages/specialtylists.html>

Secure Flight:

<http://www.epic.org/privacy/airtravel/secureflight.html>

Florida disenfranchisement in 2000:

<http://www.thenation.com/doc/20010430/1antigua>

This article originally appeared on *Wired.com*:

http://www.wired.com/politics/onlinerights/commentary/securitymatters/2007/06/securitymatters_0628 or <http://tinyurl.com/34mr2g>

National ID Cards

This essay originally appeared in the *Minneapolis Star Tribune*:

<http://www.startribune.com/stories/1519/4698350.html>

Kristof's essay in the *The New York Times*:

<http://www.nytimes.com/2004/03/17/opinion/17KRIS.html?ex=1394946000&en=938b60e9bdb051f7&ei=5007&partner=USERLAND> or <http://tinyurl.com/26fg2>

My earlier essay on National ID cards:

<http://www.schneier.com/crypto-gram-0112.html#1>

My essay on identification and security:

<http://www.schneier.com/crypto-gram-0402.html#6>

REAL-ID: Costs and Benefits

REAL-ID:

<http://thomas.loc.gov/cgi-bin/bdquerytr/z?d109:HR01268:>

The REAL-ID Act: National Impact Analysis:

<http://www.nga.org/Files/pdf/0609REALID.pdf>

There's REAL-ID news. Maine became the first state to reject REAL-ID. This means that a Maine state driver's license will not be recognized as valid for federal purposes, although I'm sure the Feds will back down over this. My guess is that Montana will become the second state to reject REAL-ID, and New Mexico will be the third.

<http://www.northcountrygazette.org/articles/2007/012807RealID.html>

http://www.usatoday.com/news/nation/2007-01-30-realID_x.htm

More info on REAL-ID:

<http://www.reaInightmare.org>

RFID Passports

http://news.com.com/E-passports+to+put+new+face+on+old+documents/2100-7337_3-5313650.html

http://www.theregister.co.uk/2004/05/20/us_passports/

The Security of RFID Passports

Government announcement:

<http://edocket.access.gpo.gov/2005/05-21284.htm>

RFID privacy problems:

<http://www.epic.org/privacy/rfid/>

<http://rfidkills.com/>

My previous writings on RFID passports:

<http://www.schneier.com/essay-060.html>

http://www.schneier.com/blog/archives/2005/04/rfid_passport_s.html

http://www.schneier.com/blog/archives/2005/08/rfid_passport_s_1.html

This essay previously appeared on Wired.com:

<http://www.wired.com/news/privacy/0,1848,69453,00.html>

Multi-Use ID Cards

This essay originally appeared on Wired.com:

<http://www.wired.com/news/technology/0,70167-0.html>

Giving Driver's Licenses to Illegal Immigrants

This op-ed originally appeared in the *Detroit Free Press*:

<http://www.schneier.com/essay-205.html>

Voting Technology and Security

This essay originally appeared on Forbes.com:

http://www.forbes.com/home/security/2006/11/10/voting-fraud-security-tech-security-cz_bs_1113security.html

<http://www.schneier.com/essay-068.html>

http://www.schneier.com/blog/archives/2004/11/the_problem_wit.html

<http://www.votingintegrity.org/archive/news/e-voting.html>

<http://www.verifiedvoting.org/article.php?id=997>

<http://www.ecotalk.org/VotingMachineErrors.htm>

http://evote-mass.org/pipermail/evote-discussion_evote-mass.org/2005-January/000080.html or <http://tinyurl.com/yhvb2a>

<http://avirubin.com/vote/analysis/index.html>

<http://www.freedom-to-tinker.com/?p=1080>

<http://www.freedom-to-tinker.com/?p=1081>

<http://www.freedom-to-tinker.com/?p=1064>

<http://www.freedom-to-tinker.com/?p=1084>

<http://www.bbvfforums.org/cgi-bin/forums/board-auth.cgi?file=/1954/15595.html> or <http://tinyurl.com/9ywcw>

<http://itpolicy.princeton.edu/voting>

http://www.ss.ca.gov/elections/voting_systems/security_analysis_of_the_diebold_accubasic_interpreter.pdf or <http://tinyurl.com/eqpbd>

<http://www.blackboxvoting.org>

http://www.brennancenter.org/dynamic/subpages/download_file_38150.pdf

<http://avirubin.com/judge2.html>

<http://avirubin.com/judge.html>

http://www.usatoday.com/news/washington/2006-10-29-voting-systems-probe_x.htm or <http://tinyurl.com/ylnba6>

How to Steal an Election:

<http://arstechnica.com/articles/culture/evoting.ars>

Florida 13:

<http://www.heraldtribune.com/apps/pbcs.dll/article?AID=/20061111/NEWS/611110643> or <http://tinyurl.com/ygo731>

<http://www.heraldtribune.com/apps/pbcs.dll/article?Date=20061108&Category=NEWS&ArtNo=611080506> or <http://tinyurl.com/yahvve>

<http://www.heraldtribune.com/apps/pbcs.dll/article?AID=/20061109/NEWS/611090343> or <http://tinyurl.com/yhkwdt>

<http://www.nytimes.com/2006/11/10/us/politics/10florida.html>

<http://www.lipsio.com/SarasotaFloridaPrecinct22IncidentPhotos/>

Value of stolen elections:

<http://www.schneier.com/essay-046.html>

Perception:

<http://www.npr.org/templates/story/story.php?storyId=6449790>

Voter suppression:

<http://blackprof.com/stealingd.html>

ID requirements:

<http://www.lwvwi.org/cms/images/stories/PDFs/VR%20Photo%20ID.pdf>

<http://www.demos.org/page337.cfm>

Foxtrot cartoon:

<http://www.gocomics.com/foxtrot/2006/10/29>

Avi Rubin wrote a good essay on voting for *Forbes* as well:

http://www.forbes.com/home/free_forbes/2006/0904/040.html

Computerized and Electronic Voting

CRS Report on Electronic Voting:

<http://www.epic.org/privacy/voting/crsreport.pdf>

Voting resource pages:

<http://www.epic.org/privacy/voting/>

<http://www.eff.org/Activism/E-voting/>

<http://www.verifiedvoting.org/>

<http://electioncentral.blog-city.com/index.cfm>

Bills in U.S. Congress to force auditable balloting:

<http://graham.senate.gov/pr120903.html>

<http://holt.house.gov/issues2.cfm?id=5996>

Virginia story:

<http://www.washingtonpost.com/ac2/wp-dyn?pagename=article&node=&contentId=A6291-2003Nov5> or <http://tinyurl.com/z9uc>

Indiana story:

<http://www.indystar.com/articles/1/089939-1241-014.html>

Nevada story:

<http://www.lasvegassun.com/sunbin/stories/lv-gov/2003/dec/10/515999082.html> or <http://tinyurl.com/z9ud>

California Secretary of State's statement on e-voting paper trail requirement:

http://www.ss.ca.gov/executive/press_releases/2003/03_106.pdf

Maryland story:

<http://www.gazette.net/200350/montgomerycty/state/191617-1.html>

More opinions:

<http://www.pbs.org/cringely/pulpit/pulpit20031204.html>

<http://www.securityfocus.com/columnists/198>

<http://www.sacbee.com/content/opinion/story/7837475p-8778055c.html>

Voter Confidence and Increased Accessibility Act of 2003

<http://www.wired.com/news/print/0,1294,61298,00.html>

<http://www.theorator.com/bills108/hr2239.html>

My older essays on this topic:

<http://www.schneier.com./crypto-gram-0012.html#1>

<http://www.schneier.com./crypto-gram-0102.html#10>

Why Election Technology is Hard

This essay originally appeared in the *San Francisco Chronicle*:

<http://www.sfgate.com/cgi-bin/article.cgi?file=/chronicle/archive/2004/10/31/EDG229GREK1.DTL>

<http://makeashorterlink.com/?J353212C9>

<http://www.sfgate.com/cgi-bin/article.cgi?file=/chronicle/archive/2004/10/31/EDG229GREK1.DTL>

Also read Avi Rubin's op-ed on the subject:

<http://www.avirubin.com/vote/op-ed.html>

Electronic Voting Machines

A version of this essay appeared on [openDemocracy.com](http://www.opendemocracy.com):

<http://www.opendemocracy.com/debates/article-8-120-2213.jsp>

<http://avirubin.com/judge2.html>

http://www.eff.org/deeplinks/archives/cat_evoting.php

<http://votingintegrity.org/archive/news/e-voting.html>

<http://www.blackboxvoting.org/>

<http://www.verifiedvoting.org/>

<http://www.dailykos.com/story/2004/11/3/04741/7055>

<http://www.alternet.org/election04/20416/>

<http://www.newstarget.com/002076.html>

http://ustogether.org/Florida_Election.htm

<http://www.washingtondispatch.com/spectrum/archives/000715.html>
<http://www.michigancityin.com/articles/2004/11/04/news/news02.txt>
<http://edition.cnn.com/2004/ALLPOLITICS/11/05/voting.problems.ap/index.html>
or <http://makeashorterlink.com/?B283122C9>
http://www.palmbeachpost.com/politics/content/news/epaper/2004/11/05/a29a_BROWVOTE_1105.html **or** <http://makeashorterlink.com/?X3A323CB9>
<http://www.ansiblegroup.org/furtherleft/index.php?option=content&task=view&id=51> **or** <http://makeashorterlink.com/?C593122C9>
http://www.truthout.org/docs_04/110504V.shtml
http://www.truthout.org/docs_04/110604Z.shtml
<http://www.commondreams.org/views04/1106-30.htm>
http://www.truthout.org/docs_04/110804A.shtml

Revoting

Florida 13th:

<http://www.heraldtribune.com/apps/pbcs.dll/article?AID=/20061111/NEWS/611110643> **or** <http://tinyurl.com/ygo731>
<http://www.nytimes.com/2006/11/10/us/politics/10florida.html>
<http://www.newsbackup.com/about496345.html>

This essay originally appeared on Wired.com:

<http://www.wired.com/news/columns/0,72124-0.html>

Hacking the Papal Election

Rules for a papal election:

http://www.vatican.va/holy_father/john_paul_ii/apost_constitutions/documents/hf_jp-ii_apc_22021996_universi-dominici-gregis_en.html **or**
<http://tinyurl.com/31dzm>

There's a picture of choir dress on this page:

<http://dappledphotos.blogspot.com/2005/01/biretta-sightings.html>

First Responders

This essay originally appeared on Wired.com:

http://www.wired.com/politics/security/commentary/securitymatters/2007/08/securitymatters_0823

In blog comments, people pointed out that training and lack of desire to communicate are bigger problems than technical issues. This is certainly true. Just giving first responders interoperable radios won't automatically solve the problem; they need to want to talk to other groups as well.

Minneapolis rescue workers:

<http://www.cnn.com/2007/US/08/02/bridge.responders/>
<http://www.ecmpostreview.com/2007/August/8irprt.html>
<http://www.cnn.com/2007/US/08/02/bridge.collapse/index.html>
<http://michellemalkin.com/2007/08/01/minneapolis-bridge-collapse/>
<http://www.cnn.com/2007/US/08/02/bridge.collapse.schoolbus/index.html>

Utah rescue-worker deaths:

http://www.boston.com/news/nation/articles/2007/08/17/rescue_worker_killed_at_utah_mine/ or <http://tinyurl.com/ywdg6q>

1996 report:

http://ntiacsd.ntia.doc.gov/pubsafe/publications/PSWAC_AL.PDF

Dennis Smith:

http://www.amazon.com/Report-Ground-Zero-Dennis-Smith/dp/0452283957/ref=pd_bbs_sr_3/104-8159320-0735926?ie=UTF8&s=books&qid=1187284193&sr=8-3
or <http://tinyurl.com/223cwb>
http://www.9-11commission.gov/hearings/hearing11/smith_statement.pdf

9/11 Commission Report:

<http://www.gpoaccess.gov/911/index.html>

Wasted security measures:

http://www.schneier.com/blog/archives/2006/03/80_cameras_for.html
<http://blog.wired.com/defense/2007/08/armed-robots-so.html>
<http://www.cnsnews.com/ViewPolitics.asp?Page=/Politics/archive/200702/POL20070223b.html> or <http://tinyurl.com/2qv5tb>
<http://sfgate.com/cgi-bin/article.cgi?f=/c/a/2006/02/19/INGDDH8E311.DTL> or
<http://tinyurl.com/yvvpw5w>

Minnesota and interoperable communications:

https://www.dps.state.mn.us/comm/press/newPRSystem/viewPR.asp?PR_Num=244
or <http://tinyurl.com/2765hp>

Stanek quote:

<http://www.washingtonpost.com/wp-dyn/content/article/2007/08/02/AR2007080202262.html> or <http://tinyurl.com/yuf6se>

Katrina:

<http://www.nationaldefensemagazine.org/issues/2006/jan/inter-agency.htm> or
<http://tinyurl.com/233778>
<http://katrina.house.gov/>

Conference of Mayors report:

http://www.usmayors.org/72ndAnnualMeeting/interoperabilityreport_062804.pdf
or <http://tinyurl.com/yv7ocj>

Collective action problem:

http://en.wikipedia.org/wiki/The_Logic_of_Collective_Action

Jerry Brito paper:

<http://www.jerrybrito.com/2007/01/30/sending-out-an-sos-public-safety-communications-interoperability-as-a-collective-action-problem/> **OR**
<http://tinyurl.com/29oyqw>

Me on overly specific terrorism defense:

<http://www.schneier.com/essay-087.html>

More research:

http://www.infospheres.caltech.edu/crisis_web/executive-summary.html

Security at the Olympics

News articles:

<http://www.cnn.com/2004/TECH/08/10/olympics.security.ap/index.html>
<http://www.elecdesign.com/Articles/ArticleID/8484/8484.html>
<http://cryptome.org/nyt-athens.htm>
<http://www.smh.com.au/olympics/articles/2004/07/27/1090693966896.html>
http://www.news24.com/News24/Olympics2004/OutsideTrack/0,,2-1652-1655_1574262,00.html **OR** <http://makeashorterlink.com/?V1E651849>

A version of this essay originally appeared in the *Sydney Morning Herald*, during the Olympics:

<http://smh.com.au/articles/2004/08/25/1093246605489.html>

Blaster and the August 14th Blackout

A preliminary version of this essay appeared on news.com:

<http://news.com.com/2010-7343-5117862.html>

Interim Report: Causes of the August 14th Blackout in the United States and Canada:

<https://reports.energy.gov/814BlackoutReport.pdf>

The relevant data is on pages 28-29 of the report.

FirstEnergy was hit by Slammer:

<http://www.securityfocus.com/news/6868>
<http://www.computerworld.com/securitytopics/security/recovery/story/0,10801,84203,00.html> **OR** <http://tinyurl.com/z9to>

How worms can infect internal networks:

<http://www.networm.org/faq/#enterprise>

Blackout not caused by worm:

http://news.com.com/2100-7355_3-5111816.html

News article on the report:

<http://www.iht.com/articles/118457.html>

Geoff Shively talked about possible Blaster/blackout links just a few days after the blackout:

<http://seclists.org/lists/bugtraq/2003/Sep/0053.html>

Avian Flu and Disaster Planning

[http://www.computerworld.com/action/article.do?command=viewArticleBasic&](http://www.computerworld.com/action/article.do?command=viewArticleBasic&taxonomyName=security&articleId=275619)

[taxonmyName=security&articleId=275619](http://www.computerworld.com/action/article.do?command=viewArticleBasic&taxonomyName=security&articleId=275619) or <http://tinyurl.com/ymlmz4>

[http://www.computerworld.com/action/article.do?command=viewArticleBasic&](http://www.computerworld.com/action/article.do?command=viewArticleBasic&articleId=9026179)

[articleId=9026179](http://www.computerworld.com/action/article.do?command=viewArticleBasic&articleId=9026179) or <http://tinyurl.com/2cxd9n>

[http://www.computerworld.com/action/article.do?command=viewArticleBasic&](http://www.computerworld.com/action/article.do?command=viewArticleBasic&articleId=298413&pageNumber=1)

[articleId=298413&pageNumber=1](http://www.computerworld.com/action/article.do?command=viewArticleBasic&articleId=298413&pageNumber=1) or <http://tinyurl.com/2xtgdq>

<http://www.computerworld.com/blogs/node/5854>

Family disaster planning:

<http://nielsenhayden.com/makinglight/archives/005763.html>

<http://nielsenhayden.com/makinglight/archives/006539.html>

http://www.sff.net/people/doylemacdonald/emerg_kit.htm

Disaster Recovery Journal:

<http://www.drj.com>

Bird flu:

<http://www.cdc.gov/flu/avian/>

<http://infectiousdiseases.about.com/od/faqs/f/whynot1918.htm>

<http://www.msnbc.msn.com/id/6861065/>

<http://news.bbc.co.uk/2/hi/health/4295649.stm>

<http://www.cnn.com/2004/HEALTH/11/25/birdflu.warning/index.html>

Blogger comments:

<http://www.computerworld.com/blogs/node/5854>

Man-eating badgers:

http://news.bbc.co.uk/1/hi/world/middle_east/6295138.stm

A good rebuttal to this essay:

http://www.computerweekly.com/blogs/david_lacey/2007/07/no-disaster-is-too-large-to-pl.html or <http://tinyurl.com/288ybo>

This essay originally appeared on Wired.com:

http://www.wired.com/print/politics/security/commentary/securitymatters/2007/07/securitymatters_0726 or <http://tinyurl.com/2mb8bg>

Economics and Information Security

Links to all the WEIS papers are available here:

<http://weis2006.econinfosec.org>

Ross Anderson's, "Why Information Security Is Hard—An Economic Perspective":

<http://www.cl.cam.ac.uk/ftp/users/rja14/econ.pdf>

Aligning Interest with Capability

This essay originally appeared on Wired.com:

<http://www.wired.com/news/columns/0,71032-0.html>

National Security Consumers

This essay originally appeared, in a shorter form, on News.com:

<http://news.com.com/2010-7348-5204924.html>

Liabilities and Software Vulnerabilities

Schmidt's comments:

<http://news.zdnet.co.uk/software/developer/0,39020387,39228663,00.htm>

SlashDot thread on Schmidt's concerns:

<http://developers.slashdot.org/article.pl?sid=05/10/12/1335215&tid=172&tid=8> or <http://tinyurl.com/dvdpd7>

Dan Farber has a good commentary on my essay:

<http://blogs.zdnet.com/BTL/?p=2046>

This essay originally appeared on Wired.com:

<http://www.wired.com/news/privacy/0,1848,69247,00.html>

There has been some confusion about this in the comments—both in *Wired* and on my blog—that somehow this means that software vendors will be expected to achieve perfection and that they will be 100% liable for anything short of that. Clearly that's ridiculous, and that's not the way liabilities work. But equally ridiculous is the notion that software vendors should be 0% liable for defects. Somewhere in the middle there is a reasonable amount of liability, and that's what I want the courts to figure out.

Howard Schmidt writes: "It is unfortunate that my comments were reported inaccurately; at least Dan Farber has been trying to correct the inaccurate reports with his blog I do not support PERSONAL LIABILITY for the developers NOR do I support liability against vendors. Vendors are nothing

more than people (employees included) and anything against them hurts the very people who need to be given better tools, training and support.”

Howard wrote this essay on the topic, to explain what he really thinks. He is against software liabilities.

http://news.com.com/Give+developers+secure-coding+ammo/2010-1002_3-5929364.html or <http://tinyurl.com/dmlgh>

But the first sentence of his last paragraph nicely sums up what's wrong with this argument: “In the end, what security requires is the same attention any business goal needs.” If security is to be a business goal, then it needs to make business sense. Right now, it makes more business sense not to produce secure software products than it does to produce secure software products. Any solution needs to address that fundamental market failure, instead of simply wishing it were true.

Lock-In

Apple and the iPhone:

<http://www.nytimes.com/2007/09/29/technology/29iphone.html>

<http://www.bloomberg.com/apps/news?pid=20601087&sid=aWmgi08ZjbpM>

<http://www.engadget.com/2007/10/17/apple-planning-iphone-sdk-for-february/>

or <http://tinyurl.com/yvix5hr>

<http://www.engadget.com/2008/01/28/iphone-sdk-key-leaked/>

Shapiro and Varian's book:

http://www.amazon.com/Information-Rules-Strategic-Network-Economy/dp/087584863X/ref=sr_1_1?ie=UTF8&s=books&qid=1202236504&sr=1-1 or

<http://tinyurl.com/2eo23e>

Microsoft and Trusted Computing:

<http://schneier.com/crypto-gram-0208.html#1>

<http://www.cl.cam.ac.uk/~rja14/Papers/tcpa.pdf>

<http://www.microsoft.com/technet/archive/security/news/ngscb.mspx>

http://www.schneier.com/blog/archives/2005/08/trusted_computi.html

Commentary:

<http://yro.slashdot.org/yro/08/02/07/2138201.shtml>

<http://stumble.kapowaz.net/post/25792347>

<http://www.kryogenix.org/days/2008/02/08/there-can-be-no-fud>

<http://girtby.net/archives/2008/2/8/vendor-lock-in>

This essay previously appeared on Wired.com:

http://www.wired.com/politics/security/commentary/securitymatters/2008/02/securitymatters_0207 or <http://tinyurl.com/2mf82q>

Third Parties Controlling Information

Internet Archive:

<http://www.archive.org/>

Greatest Journal:

<http://dropbeatsnotbombs.vox.com/library/post/farewell-gj-youll-kind-of-be-missed.html> or <http://tinyurl.com/2t2yg5>

<http://barry095.vox.com/library/post/greatest-journal-death.html>

Other hacks:

http://www.schneier.com/blog/archives/2005/02/tmobile_hack_1.html

http://www.wired.com/politics/security/news/2008/01/myspace_torrent

This essay originally appeared on Wired.com:

http://www.wired.com/politics/security/commentary/securitymatters/2008/02/securitymatters_0221 or <http://tinyurl.com/2a4go3>

Who Owns Your Computer?

This essay originally appeared on Wired.com:

<http://www.wired.com/news/columns/1,70802-0.html>

Trusted computing:

<http://www.schneier.com/crypto-gram-0208.html#1>

A Security Market for Lemons

Risks of data in small packages:

<http://www.wired.com/politics/security/commentary/securitymatters/2006/01/70044> or <http://tinyurl.com/ypqntk>

Secustick and review:

<http://www.secustick.nl/engels/index.html>

<http://tweakers.net/reviews/683>

Snake oil:

<http://www.schneier.com/crypto-gram-9902.html#snakeoil>

<http://www.schneier.com/crypto-gram-9810.html#cipherdesign>

“A Market for Lemons”:

http://en.wikipedia.org/wiki/The_Market_for_Lemons

<http://www.students.yorku.ca/~siccardi/The%20market%20for%20lemons.pdf>

Kingston USB drive:

http://www.kingston.com/flash/dt_secure.asp

Slashdot thread:

<http://it.slashdot.org/article.pl?sid=07/04/19/140245>

This essay originally appeared in *Wired*:

http://www.wired.com/politics/security/commentary/securitymatters/2007/04/securitymatters_0419 or <http://tinyurl.com/2fh325>

Websites, Passwords, and Consumers

Phishing:

<http://www.msnbc.msn.com/id/5184077/>

<http://www.internetweek.com/e-business/showArticle.jhtml?articleID=22100149>

The Trojan:

http://news.com.com/Pop-up+program+reads+keystrokes%2C+steals+passwords/2100-7349_3-5251981.html

<http://www.pcworld.com/news/article/0%2Caid%2C116761%2C00.asp>

A shorter version of this essay originally appeared in *IEEE Security and Privacy*:

<http://csdl.computer.org/comp/mags/sp/2004/04/j4088abs.htm>

The Feeling and Reality of Security

Getting security trade-offs wrong:

<http://www.schneier.com/essay-162.html>

Cognitive biases that affect security:

<http://www.schneier.com/essay-155.html>

“In Praise of Security Theater”:

<http://www.schneier.com/essay-154.html>

The security lemon’s market:

<http://www.schneier.com/essay-165.html>

Airline security and agenda:

http://www.schneier.com/blog/archives/2005/08/airline_security_2.html

This essay originally appeared on *Wired.com*:

http://www.wired.com/politics/security/commentary/securitymatters/2008/04/securitymatters_0403 or <http://tinyurl.com/2xu2zb>

Behavioral Assessment Profiling

This article originally appeared in *The Boston Globe*:

http://www.boston.com/news/globe/editorial_opinion/oped/articles/2004/11/24/profile_hinky/ or <http://makeashorterlink.com/?X2071260A>

<http://news.airwise.com/stories/2004/11/1100157618.html>

http://www.usatoday.com/travel/news/2004-01-27-logan-security_x.htm

In Praise of Security Theater

This essay appeared on Wired.com, and is dedicated to my new godson, Nicholas Quillen Perry:

<http://www.wired.com/news/columns/0,72561-0.html>

Infant abduction:

<http://www.saione.com/ispletter.htm>

Blog entry URL:

http://www.schneier.com/blog/archives/2007/01/in_praise_of_se.html

CYA Security

http://www.schneier.com/blog/archives/2007/02/nonterrorist_em.html

Airplane security:

http://www.schneier.com/blog/archives/2006/08/terrorism_secur.html

Searching bags in subways:

http://www.schneier.com/blog/archives/2005/07/searching_bags.html

No-fly list:

<http://www.schneier.com/essay-052.html>

More CYA security:

<http://entertainment.iafrica.com/news/929710.htm>

<http://www.news24.com/News24/Entertainment/Oscars/0,,2-1225-1569-1665860,00.html> or <http://tinyurl.com/24uuuu>

http://www.schneier.com/blog/archives/2005/09/major_security.html

http://www.schneier.com/blog/archives/2006/03/80_cameras_for.html

http://www.schneier.com/blog/archives/2007/01/realid_costs_an.html

<http://www.slate.com/id/2143104/>

Commentary:

<http://www.networkworld.com/community/?q=node/11746>

<http://yro.slashdot.org/yro/07/02/22/214246.shtml>

This essay originally appeared on Wired.com:

<http://www.wired.com/news/columns/0,72774-0.html>

Copycats

<http://www.philly.com/mld/inquirer/news/local/16824777.htm>

<http://kyw1060.com/pages/254744.php?contentType=4&contentId=340063>

<http://www.delawareonline.com/apps/pbcs.dll/article?AID=/20070222/NEWS/702220360/1006/NEWS> or <http://tinyurl.com/2f3gyj>

<http://www.nbc10.com/news/11155984/detail.html?subid=10101521>

Dan Cooper and the Cooper Vane:

http://www.crimelibrary.com/criminal_mind/scams/DB_Cooper/index.html

http://en.wikipedia.org/wiki/Cooper_Vane

Green-card lawyers:

<http://www.wired.com/news/politics/0,1283,19098,00.html>

This essay originally appeared on Wired.com:

<http://www.wired.com/news/columns/0,72887-0.html>

Blog entry URL:

<http://www.schneier.com/blog/archives/2007/03/post.html>

Rare Risk and Overreactions

Irrational reactions:

<http://arstechnica.com/news.ars/post/20070502-student-creates-counter-strike-map-gets-kicked-out-of-school.html> **or** <http://tinyurl.com/2db167>

http://www.boingboing.net/2007/05/03/webcomic_artist_fire.html

<http://www.yaledailynews.com/articles/view/20843>

<http://yaledailynews.com/articles/view/20913>

<http://www.msnbc.msn.com/id/18645623/>

Risks of school shootings from 2000:

<http://www.cdc.gov/HealthyYouth/injury/pdf/violenceactivities.pdf>

Crime statistics—strangers vs. acquaintances:

http://www.fbi.gov/ucr/05cius/offenses/expanded_information/data/shrtable_09.html **or** <http://tinyurl.com/2qbttae>

Me on the psychology of risk and security:

<http://www.schneier.com/essay-155.html>

Risk of shark attacks:

<http://www.oceanconservancy.org/site/DocServer/fsSharks.pdf>

Ashcroft speech:

<http://www.highbeam.com/doc/1G1-107985887.html>

Me on security theater:

<http://www.schneier.com/essay-154.html>

Baseball beer ban:

http://blogs.csoonline.com/baseballs_big_beer_ban

Nicholas Taub essay:

<http://www.fooledbyrandomness.com/nyt2.htm>

<http://www.telegraph.co.uk/opinion/main.jhtml?xml=/opinion/2007/04/22/do2201.xml> **or** <http://tinyurl.com/3bewfy>

VA Tech and gun control:

<http://abcnews.go.com/International/wireStory?id=3050071&CMP=OTC-RSSFeeds0312> or <http://tinyurl.com/25js4o>
<http://www.cnn.com/2007/US/04/19/commentary.nugent/index.html>

VA Tech hindsight:

<http://news.independent.co.uk/world/americas/article2465962.ece>
http://www.mercurynews.com/charliemccollum/ci_5701552

John Stewart video:

http://www.comedycentral.com/motherload/player.jhtml?ml_video=85992

Me on movie-plot threats:

<http://www.schneier.com/essay-087.html>

Another opinion:

<http://www.socialaffairsunit.org.uk/blog/archives/000512.php>

This essay originally appeared on Wired.com, my 42nd essay on that site:

http://www.wired.com/politics/security/commentary/securitymatters/2007/05/securitymatters_0517 or <http://tinyurl.com/26cxcs>

French translation:

<http://archiloque.net/spip.php?rubriques2&periode=2007-06#>

Tactics, Targets, and Objectives

Safari security advice:

<http://www.cybertracker.co.za/DangerousAnimals.html>

School shooter security advice:

<http://www.ucpd.ucla.edu/ucpd/zippdf/2007/Active%20Shooter%20Safety%20Tips.pdf> or <http://tinyurl.com/2qvgyg>

Burglar security advice:

<http://www.pfadvice.com/2007/02/05/the-best-place-to-hide-money-conversation-with-a-burglar/> or <http://tinyurl.com/ywdoy9>
<http://www.pfadvice.com/2007/03/06/dont-hide-money-in-the-toilet-more-conversation-with-a-burglar/> or <http://tinyurl.com/236wbs>

Me on terrorism:

<http://www.schneier.com/essay-096.html>
http://www.schneier.com/blog/archives/2006/08/terrorism_sec.html
http://www.schneier.com/blog/archives/2005/09/katrina_and_sec.html
http://www.schneier.com/blog/archives/2006/08/what_the_terror.html

Learning behavior in tigers:

<http://www.cptigers.org/animals/species.asp?speciesID=9>

This essay originally appeared on Wired.com:

http://www.wired.com/print/politics/security/commentary/securitymatters/2007/05/securitymatters_0531 or <http://tinyurl.com/2zdghw>

The Security Mindset

SmartWater:

<http://www.smartwater.com/products/securitySolutions.html>

http://www.schneier.com/blog/archives/2005/02/smart_water.html

CSE484:

<http://www.cs.washington.edu/education/courses/484/08wi/>

<http://cubist.cs.washington.edu/Security/2007/11/22/why-a-computer-security-course-blog/> or <http://tinyurl.com/3m94ag>

CSE484 blog:

<http://cubist.cs.washington.edu/Security/>

<http://cubist.cs.washington.edu/Security/category/security-reviews/>

<http://cubist.cs.washington.edu/Security/2008/03/14/security-review-michaels-toyota-service-center/> or <http://tinyurl.com/456b5y>

Britney Spears's medical records:

<http://www.msnbc.msn.com/id/23640143>

This essay originally appeared on Wired.com:

http://www.wired.com/politics/security/commentary/securitymatters/2008/03/securitymatters_0320 or <http://tinyurl.com/2lkg5f>

Comments:

<http://www.freedom-to-tinker.com/?p=1268>

<http://blog.ungullible.com/2008/03/hacking-yourself-to-ungullibility-part.html> or <http://tinyurl.com/3f19np>

<http://www.daemonology.net/blog/2008-03-21-security-is-mathematics.html> or

<http://tinyurl.com/34y2en>

My Open Wireless Network

RIAA data:

http://www.sptimes.com/2007/10/02/Business/Minn_woman_takes_on_r.shtml

http://www.npd.com/press/releases/press_0703141.html

<http://www.guardian.co.uk/technology/2007/mar/22/musicnews.newmedia>

Rulings on “stealing” bandwidth:

http://www.ibls.com/internet_law_news_portal_view_prn.aspx?s=latestnews&id=1686 or <http://tinyurl.com/35wwl6>

<http://arstechnica.com/news.ars/post/20080103-the-ethics-of-stealing-a-wifi-connection.html> or <http://tinyurl.com/yseb8v>

Amusing story of someone playing with a bandwidth stealer:

<http://www.ex-parrot.com/~pete/upside-down-ternet.html>

ISPs:

http://w2.eff.org/Infrastructure/Wireless_cellular_radio/wireless_friendly_isp_list.html **or** <http://tinyurl.com/2l6pmm>

http://www.nytimes.com/2007/04/14/technology/14online.html?_r=1&ex=1181188800&en=06978eela8aa9cde&ei=5070&oref=slogin **or** <http://tinyurl.com/2t5cjw>

Fon:

<http://www.ihf.com/articles/2006/01/30/business/wireless31.php>

<http://www.fon.com/en/>

This essay originally appeared on Wired.com:

http://www.wired.com/politics/security/commentary/securitymatters/2008/01/securitymatters_0110 **or** <http://tinyurl.com/22s3wx>

It has since generated a lot of controversy:

<http://hardware.slashdot.org/article.pl?sid=08/01/10/1449228>

Opposing essays:

<http://wifinetnews.com/archives/008126.html>

<http://www.dslreports.com/shownews/Bruce-Schneier-Wants-You-To-Steal-His-WiFi-90869> **or** <http://tinyurl.com/2nqg4s>

<http://www.networkworld.com/community/node/23714>

And here are supporting essays:

<http://www.boingboing.net/2008/01/10/why-its-good-to-leav.html>

<http://techdirt.com/articles/20080110/100007.shtml>

http://blogs.computerworld.com/open_wireless_oh_my

Presumably there will be a lot of back and forth in the blog comments section here as well:

http://www.schneier.com/blog/archives/2008/01/my_open_wireles.html#comments

Debating Full Disclosure

This essay originally appeared on CSOnline:

<http://www2.csoonline.com/exclusives/column.html?CID=28073>

It was part of a series of essays on the topic. Marcus Ranum wrote against the practice of disclosing vulnerabilities:

<http://www2.csoonline.com/exclusives/column.html?CID=28072>

Mark Miller of Microsoft wrote in favor of responsible disclosure:

<http://www2.csoonline.com/exclusives/column.html?CID=28071>

These are sidebars to a very interesting article in *CSO Magazine*, “The Chilling Effect,” about the confluence of forces that are making it harder to research and disclose vulnerabilities in web-based software:

http://www.csoonline.com/read/010107/fea_vu1n.html

All the links are worth reading in full.

A Simplified Chinese translation by Xin Li:

<http://blog.delphij.net/archives/001694.html>

Doping in Professional Sports

<http://www.msnbc.msn.com/id/14059185/>

Armstrong’s case:

http://www.schneier.com/blog/archives/2005/09/lance_armstrong.html

Baseball and HGH:

<http://sports.yahoo.com/mlb/news?s1ug=jp-hgh061206&prov=yhoo&type=1gns>

<http://sports.yahoo.com/mlb/news?s1ug=jp-hgh060706&prov=yhoo&type=1gns>

This essay originally appeared on *Wired.com*:

<http://www.wired.com/news/columns/0,71566-0.html>

Do We Really Need a Security Industry?

<http://software.silicon.com/security/0,39024655,39166892,00.htm>

<http://www.techworld.com/security/blogs/index.cfm?blogid=1&entryid=467>

http://techdigest.tv/2007/04/security_guru_q.html

<http://www.itbusinessedge.com/blogs/top/?p=114>

Complexity and security:

<http://www.schneier.com/crypto-gram-0003.html#8>

Commentary on essay:

<http://www.networkworld.com/community/?q=node/14813>

<http://it.slashdot.org/it/07/05/03/1936237.shtml>

<http://matt-that.com/?p=5>

This essay originally appeared in *Wired*:

http://www.wired.com/politics/security/commentary/securitymatters/2007/05/securitymatters_0503 or <http://tinyurl.com/23b3av>

Basketball Referees and Single Points of Failure

This is my 50th essay for *Wired.com*:

http://www.wired.com/politics/security/commentary/securitymatters/2007/09/securitymatters_0906 or <http://tinyurl.com/2k198z>

<http://sports.espn.go.com/espn/page2/story?page=simmons/070722>

http://sports.espn.go.com/nba/columns/story?columnist=munson_lester&id=2976241 or <http://tinyurl.com/24mvha>
http://sports.espn.go.com/nba/columns/story?columnist=stein_marc&id=2947543
 or <http://tinyurl.com/yq9h9x>
http://sports.espn.go.com/nba/columns/story?columnist=sheridan_chris&id=2948746 or <http://tinyurl.com/2ahge3>
<http://msn.foxsports.com/nba/story/7047984>
http://sports.espn.go.com/espn/blog/index?entryID=2979711&name=sheridan_chris or <http://tinyurl.com/2aa6nb>
<http://www.eog.com/news/industry.aspx?id=28416>
<http://sports.espn.go.com/nba/news/story?page=expertexplainsNBAbets>

Chemical Plant Security and Externalities

Risks:

http://www.usatoday.com/news/washington/2007-04-23-chlorine-truck-bomb_N.htm or <http://tinyurl.com/2zk2a5>
http://www.chemsafety.gov/index.cfm?folder=news_releases&page=news&NEWS_ID=379 or <http://tinyurl.com/23bokt>
<http://www.bt.cdc.gov/agent/phosgene/basics/facts.asp>
<http://www.opencrs.com/document/M20050627/2005-06-27%2000:00:00>
<http://digital.library.unt.edu/govdocs/crs/permalink/meta-crs-9917>
<http://www.washingtonmonthly.com/features/2007/0703.levine1.html>

Regulations:

http://www.boston.com/news/nation/washington/articles/2007/04/03/chemical_plants_at_risk_us_agency_says/ or <http://tinyurl.com/2babz5>
http://www.usatoday.com/printedition/news/20070427/a_chemplant27.art.htm
 or <http://tinyurl.com/22xwab>

This essay previously appeared on Wired.com:

http://www.wired.com/politics/security/commentary/securitymatters/2007/10/securitymatters_1018 or <http://tinyurl.com/yr2cd2>

Mitigating Identity Theft

This essay was previously published on CNet:

http://www.news.com/Mitigating-identity-theft/2010-1071_3-5669408.html

LifeLock and Identity Theft

LifeLock:

<http://www.lifelock.com>

FACTA:

<http://www.ftc.gov/opa/2004/06/factaidt.shtm>

<http://www.treasury.gov/offices/domestic-finance/financial-institution/cip/pdf/fact-act.pdf>

Fraud alerts:

<http://www.consumersunion.org/creditmatters/creditmattersfactsheets/001626.html>

***The New York Times* article:**

<http://www.nytimes.com/2008/05/24/business/yourmoney/24money.html?8dpc>

Lawsuits:

<http://www.networkworld.com/news/2008/022108-credit-reporting-firm-sues-lifelock.html>

<http://www.insidetechnology.com/news/2148-id-protection-ads-come-back-to-bite-lifelock-pitchman>

Identity theft:

<http://www.schneier.com/crypto-gram-0504.html#2>

<http://www.ftc.gov/opa/2007/11/idtheft.shtm>

<http://www.consumer.gov/sentinel/pubs/top10fraud2007.pdf>

<http://www.privacyrights.org/ar/idthefts-surveys.htm#Jav2007>

Free credit reports:

<http://www.annualcreditreport.com/>

http://blog.washingtonpost.com/securityfix/2005/09/beware_free_credit_report_scam_1.html

<http://www.msnbc.msn.com/id/7803368/>

<http://ezinearticles.com/?The-Free-Credit-Report-Scam&id=321877>

Defending yourself:

<http://www.nytimes.com/2008/05/24/business/yourmoney/24moneyside.html>

http://www.savingadvice.com/blog/2008/06/04/102143_never-pay-someone-to-protect-your-identity.html

This essay originally appeared in *Wired*:

http://www.wired.com/politics/security/commentary/securitymatters/2008/06/securitymatters_0612

Phishing

California law:

<http://www.msnbc.msn.com/id/9547692/>

Definitions:

<http://en.wikipedia.org/wiki/Phishing>

<http://en.wikipedia.org/wiki/Pharming>
<http://www-03.ibm.com/industries/financialservices/doc/content/news/magazine/1348544103.html> or <http://tinyurl.com/b32dh>
<http://www-03.ibm.com/industries/financialservices/doc/content/news/pressrelease/1368585103.html> or <http://tinyurl.com/9rkas>

Who pays for identity theft:

<http://www.informationweek.com/showArticle.jhtml?articleID=166402700>

Me on semantic attacks:

<http://www.schneier.com/crypto-gram-0010.html#1>

Me on economics and security:

<http://www.schneier.com/book-sandl-intro2.html>

Me on identity theft:

http://www.schneier.com/blog/archives/2005/04/mitigating_iden.html

Discussion of my essay:

<http://it.slashdot.org/article.pl?sid=05/10/06/199257&tid=172&tid=98>

This essay originally appeared in *Wired*:

<http://www.wired.com/news/politics/0,1283,69076,00.html>

Bot Networks

This essay originally appeared on *Wired.com*:

<http://www.wired.com/news/columns/0,71471-0.html>

Distributed.net:

<http://www.distributed.net>

SETI@home:

<http://setiathome.berkeley.edu>

MafiaBoy:

<http://www.infoworld.com/articles/hn/xml/01/01/18/010118hnmafiaboy.html>

1.5-million-node bot network:

<http://www.techweb.com/wire/security/172303160>

Cyber-Attack

<http://www.fcw.com/article98016-03-22-07-Web>

Allowing the entertainment industry to hack:

<http://www.politechbot.com/docs/berman.coble.p2p.final.072502.pdf>

<http://www.freedom-to-tinker.com/?cat=6>

Clarke's comments:

<http://www.usatoday.com/tech/news/2002/02/14/cyberterrorism.htm>

This essay originally appeared in *Wired*:

http://www.wired.com/politics/security/commentary/securitymatters/2007/04/securitymatter_0405 or <http://tinyurl.com/2dkpcc>

Counterattack

Automated law enforcement:

<http://www.foxnews.com/story/0,2933,64688,00.html>

Mullen's essay:

<http://www.hammerofgod.com/strikeback.txt>

Berman legislation:

<http://www.counterpane.com/crypto-gram-0208.html#5>

Cyberwar

My previous essay on cyberterrorism:

<http://www.schneier.com/crypto-gram-0306.html#1>

Militaries and Cyberwar

My interview in the Iranian newspaper (to be honest, I have no idea what it says):

<http://www.jamejamdaily.net/shownews2.asp?n=26454&t=com>

The Truth About Chinese Hackers

Article originally published in *Discovery Tech*:

<http://dsc.discovery.com/technology/my-take/computer-hackers-china.html>

Safe Personal Computing

Others have disagreed with these recommendations:

<http://www.getlucky.net/archives/000145.html>

http://www.berylliumsphere.com/security_mentor/2004/12/heres-another-really-good-twelve.html or <http://makeashorterlink.com/?Z3772560A>

My original essay on the topic:

<http://www.schneier.com/crypto-gram-0105.html#8>

This essay previously appeared on CNet:

http://news.com.com/Who+says+safe+computing+must+remain+a+pipe+dream/2010-1071_3-5482340.html or <http://makeashorterlink.com/?V6872560A>

How to Secure Your Computer, Disks, and Portable Drives

This essay previously appeared on Wired.com:

http://www.wired.com/politics/security/commentary/securitymatters/2007/11/securitymatters_1129

Why was the U.K. event such a big deal? Certainly the scope: 40% of the British population. Also the data: bank account details; plus information about children. There's already a larger debate on the issue of a database on kids that this feeds into. And it's a demonstration of government incompetence (think Hurricane Katrina). In any case, this issue isn't going away anytime soon. Prime Minister Gordon Brown has apologized. The head of the Revenue and Customs office has resigned. More fallout is probably coming. U.K.'s privacy Chernobyl:

<http://www.timesonline.co.uk/tol/news/uk/article2910705.ece>

http://news.bbc.co.uk/1/hi/uk_politics/7104945.stm

<http://politics.guardian.co.uk/economics/story/0,,2214566,00.html>

<http://www.timesonline.co.uk/tol/news/uk/article2910635.ece>

http://www.theregister.co.uk/2007/11/21/response_data_breach/

U.S. VA privacy breach:

<http://www.wired.com/techbiz/media/news/2006/05/70961>

PGP Disk:

<http://www.pgp.com/products/wholediskencryption/>

Choosing a secure password:

http://www.schneier.com/blog/archives/2007/01/choosing_secure.html

<http://www.iusmentis.com/security/passphrasefaq/>

Risks of losing small memory devices:

http://www.schneier.com/blog/archives/2005/07/risks_of_losing.html

Laptop snatching:

<http://www.sfgate.com/cgi-bin/article.cgi?file=/chronicle/archive/2006/04/08/MNGE9I686K1.DTL> or <http://tinyurl.com/fszeh>

Microsoft BitLocker:

<http://www.schneier.com/blog/archives/2006/05/bitlocker.html>

TrueCrypt:

<http://www.truecrypt.org/>

Crossing Borders with Laptops and PDAs

My advice on choosing secure passwords:

<http://www.schneier.com/essay-148.html>

This essay originally appeared in *The Guardian*:

<http://www.guardian.co.uk/technology/2008/may/15/computing.security>

Choosing Secure Passwords

Analyzing 24,000 MySpace passwords:

<http://www.wired.com/news/columns/0,72300-0.html>

Choosing passwords:

<http://psychology.wichita.edu/surl/usabilitynews/81/Passwords.htm>

<http://www.microsoft.com/windows/IE/community/columns/passwords.mspx>

<http://www.brunching.com/passwordguide.html>

AccessData:

<http://www.accessdata.com>

Password Safe:

<http://www.schneier.com/passsafe.html>

This essay originally appeared on Wired.com:

<http://www.wired.com/news/columns/1,72458-0.html>

Secrecy, Security, and Obscurity

Kerckhoffs' Paper (in French):

http://www.cl.cam.ac.uk/~fapp2/kerckhoffs/1a_cryptographie_militaire_i.htm

Another essay along similar lines:

<http://online.securityfocus.com/columnists/80>

More on Two-Factor Authentication

This essay previously appeared in *Network World* as a "Face Off":

<http://www.nwfusion.com/columnists/2005/040405faceoff-counterpane.html> or

<http://tinyurl.com/5nuod>

Joe Uniejewski of RSA Security wrote an opposing position:

<http://www.nwfusion.com/columnists/2005/040405faceoff-rsa.html>

Another rebuttal:

<http://www.eweek.com/article2/0,1759,1782435,00.asp>

My original essay:

<http://www.schneier.com/essay-083.html>

Home Users: A Public Health Problem?

This essay is the first half of a point/counterpoint with Marcus Ranum in the September 2007 issue of *Information Security*. You can read his reply here:

http://www.ranum.com/security/computer_security/editorials/point-counterpoint/homeusers.htm.

Security Products: Suites vs. Best-of-Breed

This essay originally appeared as the second half of a point/counterpoint with Marcus Ranum in *Information Security*:

http://searchsecurity.techtarget.com/magazineFeature/0,296894,sid14_gci1303850_idx2,00.html

Marcus's half:

http://searchsecurity.techtarget.com/magazineFeature/0,296894,sid14_gci1303850,00.html or <http://tinyurl.com/36zhm1>

Separating Data Ownership and Device Ownership

New timing attack on RSA:

<http://www.newscientisttech.com/article/dn10609>

<http://eprint.iacr.org/2006/351.pdf>

My essay on side-channel attacks:

<http://www.schneier.com/crypto-gram-9806.html#side>

My paper on data/device separation:

<http://www.schneier.com/paper-smart-card-threats.html>

Street-performer protocol: an alternative to DRM:

<http://www.schneier.com/paper-street-performer.html>

Ontario lottery fraud:

<http://www.cbc.ca/canada/toronto/story/2006/10/26/ombudsman-probe.html>

This essay originally appeared on *Wired.com*:

<http://www.wired.com/news/columns/0,72196-0.html>

Assurance

California reports:

http://www.sos.ca.gov/elections/elections_vsr.htm

Commentary and blog posts:

<http://www.freedom-to-tinker.com/?p=1181>
<http://blog.wired.com/27bstroke6/2007/07/ca-releases-res.html>
http://www.schneier.com/blog/archives/2007/07/california_voti.html
<http://www.freedom-to-tinker.com/?p=1184>
<http://blog.wired.com/27bstroke6/2007/08/ca-releases-sou.html>
<http://avi-rubin.blogspot.com/2007/08/california-source-code-study-results.html> or <http://tinyurl.com/2bz7ks>
http://www.crypto.com/blog/ca_voting_report/
http://twistedphysics.typepad.com/cocktail_party_physics/2007/08/caveat-voter.html or <http://tinyurl.com/2737c7>
http://www.schneier.com/blog/archives/2007/08/more_on_the_cal.html

California's recertification requirements:

<http://arstechnica.com/news.ars/post/20070806-california-to-recertify-insecure-voting-machines.html> or <http://tinyurl.com/ytesbj>

DefCon reports:

<http://www.defcon.org/>
<http://www.physorg.com/news105533409.html>
<http://blog.wired.com/27bstroke6/2007/08/open-sesame-acc.html>
http://www.newsfactor.com/news/Social-Networking-Sites-Are-Vulnerable/story.xhtml?story_id=012000EW8420 or <http://tinyurl.com/22uoza>
<http://blog.wired.com/27bstroke6/2007/08/jennalynn-a-12-.html>

US-VISIT database vulnerabilities:

<http://www.washingtonpost.com/wp-dyn/content/article/2007/08/02/AR2007080202260.html> or <http://tinyurl.com/33cg1f>

RFID passport hacking:

<http://www.engadget.com/2006/08/03/german-hackers-clone-rfid-e-passports/> or <http://tinyurl.com/sy439>
<http://www.rfidjournal.com/article/articleview/2559/2/1/>
<http://www.wired.com/politics/security/news/2007/08/epassport>
<http://money.cnn.com/2007/08/03/news/rfid/?postversion=2007080314>

How common are bugs:

<http://www.rtfm.com/bugrate.pdf>

Diebold patch:

http://www.schneier.com/blog/archives/2007/08/florida_evoting.html

Brian Snow on assurance:

<http://www.acsac.org/2005/papers/Snow.pdf>

Books on secure software development:

<http://www.amazon.com/Building-Secure-Software-Security-Problems/dp/020172152X/ref=counterpane/> or <http://tinyurl.com/28p4hu>

<http://www.amazon.com/Software-Security-Building-Addison-Wesley/dp/0321356705/ref=counterpane/> or <http://tinyurl.com/ypkkwk>

<http://www.amazon.com/Writing-Secure-Second-Michael-Howard/dp/0735617228/ref=counterpane/> or <http://tinyurl.com/2f5mdt>

Microsoft's SDL:

<http://www.microsoft.com/MSPress/books/8753.asp>

DHS's Build Security In program:

<https://buildsecurityin.us-cert.gov/daisy/bsi/home.html>

This essay originally appeared on Wired.com:

http://www.wired.com/politics/security/commentary/securitymatters/2007/08/securitymatters_0809 or <http://tinyurl.com/2nyo8c>

Sony's DRM Rootkit: The Real Story

This essay originally appeared in *Wired*:

<http://www.wired.com/news/privacy/0,1848,69601,00.html>

There are a lot of links in this essay. You can see them on *Wired's* page. Or here:

<http://www.schneier.com/essay-094.html>

These are my other blog posts on this:

http://www.schneier.com/blog/archives/2005/11/sony_secretly_i_1.html

http://www.schneier.com/blog/archives/2005/11/more_on_sonys_d.html

http://www.schneier.com/blog/archives/2005/11/still_more_on_s_1.html

http://www.schneier.com/blog/archives/2005/11/the_sony_rootki.html

There are lots of other links in these posts.

The Storm Worm

This essay originally appeared on Wired.com:

http://www.wired.com/politics/security/commentary/securitymatters/2007/10/securitymatters_1004 or <http://tinyurl.com/2xevsm>

<http://www.informationweek.com/news/showArticle.jhtml?articleID=201804528> or <http://tinyurl.com/3ae6gt>

<http://www.informationweek.com/showArticle.jhtml?sessionId=SNSXKAZRQ04MMQSNLRSKHSCJUNN2JVN?articleID=201803920> or

<http://tinyurl.com/21q3xt>

<http://www.informationweek.com/showArticle.jhtml;jsessionId=SNSXKAZRQ04MMQSNLRSKHSCJUNN2JVN?articleID=201805274> or
<http://tinyurl.com/3bb4f5>
<http://www.scmagazineus.com/Storm-Worm-uses-e-cards-to-push-spam-near-all-time-high/article/35321/> or <http://tinyurl.com/33chht>
http://www.usatoday.com/tech/news/computersecurity/wormsviruses/2007-08-02-storm-spam_N.htm or <http://tinyurl.com/2c6te7>

Fast flux:

<http://ddanchev.blogspot.com/2007/09/storm-worms-fast-flux-networks.html>
or <http://tinyurl.com/2xwgl1n>

Storm's attacks:

http://www.spamnation.info/blog/archives/2007/09/419eater_ddosd.html
<http://ddanchev.blogspot.com/2007/09/storm-worms-ddos-attitude.html>
<http://www.disog.org/2007/09/opps-guess-i-pissed-off-storm.html>

Stewart's analysis:

<http://www.secureworks.com/research/threats/storm-worm/>

Counterworms:

<http://www.schneier.com/crypto-gram-0309.html#8>

The Ethics of Vulnerability Research

This was originally published in *InfoSecurity Magazine*, as part of a point-counterpoint with Marcus Ranum. You can read Marcus's half here:

http://searchsecurity.techtarget.com/magazineFeature/0,296894,sid14_gci1313268,00.html

Is Penetration Testing Worth It?

This essay appeared in the March 2007 issue of *Information Security*, as the first half of a point/counterpoint with Marcus Ranum:

http://informationsecurity.techtarget.com/magItem/0,291266,sid42_gci1245619,00.html or <http://tinyurl.com/yrjwol>

Marcus's half:

http://www.ranum.com/security/computer_security/editorials/point-counterpoint/pentesting.html or <http://tinyurl.com/23ephv>

Anonymity and the Tor Network

This essay previously appeared on *Wired.com*:

http://www.wired.com/politics/security/commentary/securitymatters/2007/09/security_matters_0920 or <http://tinyurl.com/2ux6ae>

Tor:

<https://tor.eff.org/>

<http://tor.eff.org/overview.html.en>

<http://wiki.noreply.org/noreply/TheOnionRouter/TorFAQ#ExitEavesdroppers> **OR**

<http://tinyurl.com/2ozo2b>

Onion routing:

<http://www.onion-router.net/>

Egerstad's work:

<http://www.derangedsecurity.com/deranged-gives-you-100-passwords-to-governments-embassies/> **OR** <http://tinyurl.com/28ya72>

<http://www.heise-security.co.uk/news/95778>

<http://www.securityfocus.com/news/11486>

<http://www.derangedsecurity.com/time-to-reveal%e2%80%a6/>

http://www.wired.com/politics/security/news/2007/09/embassy_hacks

Sassaman's paper:

<http://www.cosic.esat.kuleuven.be/publications/article-896.pdf>

Anonymity research:

<http://www.cs.utexas.edu/~shmat/abstracts.html#netflix>

<http://www.nd.edu/~netsci/TALKS/Kleinberg.pdf>

<http://citeseer.ist.psu.edu/novak04antialiasing.html>

<http://www.cl.cam.ac.uk/~sjm217/papers/oakland05torta.pdf>

<http://www.nytimes.com/2006/08/09/technology/09aol.html>

Dark Web:

http://www.nsf.gov/news/news_summ.jsp?cntn_id=110040

Tor users:

http://advocacy.globalvoicesonline.org/wp-content/plugins/wp-downloadMonitor/user_uploads/Anonymous_Blogging.pdf **OR**

<http://tinyurl.com/2szyxw>

<http://blog.wired.com/27bstroke6/2007/07/cyber-jihadists.html>

Tor server operator shuts down after police raid:

<http://www.heise.de/english/newsticker/news/96107>

Tools for identifying the source of Tor data:

<http://www.securityfocus.com/news/11447>

Kill Switches and Remote Control

Kill switches:

<http://www.informationweek.com/news/mobility/showArticle.jhtml?articleID=202400922>

http://www.nypost.com/seven/06082008/news/regionalnews/busting_terror_114567.htm

<http://blog.wired.com/defense/2008/06/the-pentagons-n.html>

<http://spectrum.ieee.org/may08/6171>

Digital Manners Policies:

<http://arstechnica.com/news.ars/post/20080611-microsoft-patent-brings-miss-manners-into-the-digital-age.html>

<http://appft1.uspto.gov/netacgi/nph->

[Parser?Sect1=PT01&Sect2=HITOFF&d=PG01&p=1&u=%2Fnetacgi%2FPT0%2FSrchnum.html&r=1&f=G&l=50&s1=%2220080125102%22.PGNR.&OS=DN/20080125102&RS=DN/20080125102](http://appft1.uspto.gov/netacgi/nph-Parser?Sect1=PT01&Sect2=HITOFF&d=PG01&p=1&u=%2Fnetacgi%2FPT0%2FSrchnum.html&r=1&f=G&l=50&s1=%2220080125102%22.PGNR.&OS=DN/20080125102&RS=DN/20080125102)

This essay originally appeared on Wired.com:

http://www.wired.com/politics/security/commentary/securitymatters/2008/06/securitymatters_0626