

Personal Security Online: Protecting Yourself


Ladue Chapel Presbyterian Church

R. Scott Granneman

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Last updated 20101114

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Once a technology
makes something possible,
it gets applied,
whether for good or bad.

Donald A. Norman

What to Believe?









Yesterday a lot of you
alerted me to a picture
of a Taliban propaganda poster
with Bert!

Reality is imitating the Web!
I am honestly freaked out!

“Bert Is Evil”
Webmaster





TMI

facebook.



500,000,000+ active users
(200,000,000 access via mobiles)
50% log in every day
700,000,000,000 minutes/month

<http://www.facebook.com/press/info.php?statistics>

900,000,000 objects to interact with
(pages, groups, events)

Average user creates
90 pieces of content per month

30,000,000,000 pieces of content
shared every month

<http://www.facebook.com/press/info.php?statistics>

#1

photo sharing

Status updates
Messaging
Video sharing
News sharing
Location sharing

Advertising



The Story of Zack



Home Web page of Arthur R. Butz

Associate Professor of Electrical Engineering and Computer Science
Northwestern University, Evanston, Illinois, USA

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I am the author of the book [The Hoax of the Twentieth Century: The Case Against the Presumed Extermination of European Jewry](#) (1976), a work of "Holocaust revisionism".

This Web site exists for the purpose of expressing views that are outside the purview of my role as an Electrical Engineering faculty member. The material will be continually updated and revised, but will always have an emphasis on Holocaust revisionism.

It is intended to keep this Web site relatively simple, at least as far as this home page appears to the reader. For much more on Holocaust revisionism the reader can start with the Web site of the journal [The Revisionist](#).

The initial aim of this site, as inaugurated on 7 May 1996, is to present my article [A short introduction to the study of Holocaust revisionism](#), published in 1991 in the Daily Northwestern, with supplementing commentary and documentation. The links were last updated on 29 December 2005.

A second aim is to present [news items](#) of particular interest to Holocaust revisionists. This material was last updated on 22 December 2005.

last modification of another file at this site: 29 December 2005.

Article published in the Daily Northwestern of May 13, 1991, corrected May 14.

The links are to commentary and documentation that did not appear in the original article, and which will be continually updated and elaborated.

A lengthier presentation of the ideas found here are in my 1982 article [Context and Perspective in the "Holocaust" Controversy](#).

A short introduction to the study of Holocaust revisionism,

by Arthur R. Butz.

I see three principal reasons for the widespread but erroneous belief in the legend of millions of Jews killed by the Germans during World War II: US and British troops found horrible piles of corpses in the west German camps they captured in 1945 (e.g. Dachau and Belsen), there are no longer large communities of Jews in Poland, and historians generally support the legend.

During both world wars Germany was forced to fight typhus, carried by lice in the constant traffic with the east. That is why all accounts of entry into the [German concentration camps](#) speak of shaving of hair and showering and other delousing procedures, such as treatment of quarters with the pesticide Zyklon. That was also the main reason for a [high death rate in the camps](#), and the crematoria that existed in all.

When Germany collapsed in chaos then of course all such defenses ceased, and typhus and other diseases became rampant in the camps, which quartered mainly political prisoners, ordinary criminals, homosexuals, conscientious objectors, and Jews conscripted for labor. Hence the [horrible scenes](#), which however had nothing to do with "extermination" or any deliberate policy. Moreover the west German camps involved were not the alleged "extermination camps", which were all in Poland (e.g. Auschwitz and Treblinka) and which were all evacuated or shut down before capture by the Soviets, who found no such scenes.

The "Final Solution" spoken of in the German documents was a program of evacuation, resettlement and deportation of Jews with the ultimate objective of expulsion from Europe. During the war Jews of various nationalities were being moved east, as one stage in this Final Solution. The legend claims that the motion was mainly for extermination purposes.

What we are offered in evidence was gathered after the war, in trials. The evidence is almost all oral testimony and "confessions". Without the evidence of these trials there would be no significant evidence of "extermination". One must pause and ponder this carefully. Were trials needed to determine that the Battle of Waterloo happened? The bombings of Hamburg, Dresden, Hiroshima and Nagasaki? The slaughter in Cambodia? Yet this three year program, of continental scope, claiming millions of victims, requires trials to argue its reality. I am not arguing that the trials were illegal or unfair; I am arguing that such historical logic as the legend rests on must not be countenanced. Such events cannot happen without generating commensurate and contemporaneous evidence for their reality, just as a great forest fire cannot take place without producing smoke. One may as well believe that New York City was burned down, if confessions to the deed can be produced.

Detailed consideration of the specific evidence put forward in support of the legend has been a focus of the revisionist literature and cannot be undertaken here, but I shall mention one point. The claim of the legend is that there were no technical means provided for the specific task of extermination, and that means originally provided for other purposes did double duty in improvised arrangements. Thus the Jews were allegedly gassed with the pesticide Zyklon, and their corpses disappeared into the crematoria along with the deaths from "ordinary" causes (the ashes or other remains of millions of victims never having been found).

Surely any thoughtful person must be skeptical.

– Arthur R. Butz is an associate professor of electrical engineering.

(end of article)

A lengthier presentation of the ideas found here are in my 1982 article [Context and Perspective in the "Holocaust" Controversy](#).

last modification: 29 October 2000.

Back to [home page](#).

Malware

Virus
Worm
Trojan Horse
Spyware

Virus

Self-replicating

Infects another program
& uses that to spread

Alters the way a computer operates

Worm

Self-replicating

Uses a network
to send copies of itself
to other computers

Spreads without human intervention

Trojan Horse

Malicious program
that disguises itself as
legitimate software

Looks harmless or useful,
but hides something harmful

Spyware

Gathers information
about you & your computer use

Transmits information
to an external entity
without your knowledge
or informed consent

Wireless



What's a *packet sniffer*?

A program and/or device
that monitors the data
passing through a network

It can tell the user
where data is coming from,
where data is going,
and what the data is



www.wireshark.org



(kali11ad) - Ethernet

File Edit View Go Capture Analyze Statistics Help

Filter: imap contains LOGIN

No.	Time	Source	Destination	Protocol	Info
397	06.192176	06.29.82.33	192.168.2.111	SMTP	Response: + OK [CAPABILITY 29949EYI LITERAL+ SASL-IR LOGIN REFSERRALS AUTHASYN] 0
398	06.254000	06.29.82.33	192.168.2.111	SMTP	Response: + CAPABILITY 29949EYI LITERAL+ IDLE NAMESPACE PINGBOX-REFERRALS BINARY 0

↳ Frame 398 (300 bytes on wire, 90 bytes captured)
 ↳ Ethernet II, Src: 00:0c:29:26:e7:34, Dst: 00:01:3d:04:4c:3f
 ↳ Internet Protocol, Src Addr: 192.168.2.111 (192.168.2.111), Esh Addr: 06.29.82.33 (06.29.82.33)
 ↳ Transmission Control Protocol, Src Port: 58527 (58527), Dst Port: imap2 (143), Seq: 35, Ack: 371, Len: 32
 ↳ Internet Message Access Protocol

```

0000  00 01 3d 04 4c 3f 00 00  24 26 e7 34 08 00 45 00  |.....|
0010  00 54 5c 16 49 00 40 06  e7 25 c9 40 92 6f 42 27  |.....|
0020  52 2f c5 5f 00 01 90 71  0e 0d f3 3d 04 c9 00 18  |.....|
0030  0f c0 01 00 00 01 01 08  0a 00 29 23 04 0e 64     |.....|
0040  1f 18 10 20 4c 4f 47 49  4a 29 23 73 63 6f 7d 3a  |.....|
0050  22 20 22 5c 5c 39 37 29  09 4f 54 61 26 5c 5c 22  |.....|
0060  04 0a
  
```

File captured: 1285 KB @ 01:51 Drop: 0 [P: 171] 0.3 M/s

20100511.pcap - Wireshark

File Edit View Go Capture Analyze Statistics Telephony Tools Help

Filter: http contains facebook

No.	Time	Source	Destination	Protocol	Info
13	6.294614	192.168.1.114	66.220.145.13	HTTP	GET /_ajax/inte...
158	186.564880	192.168.1.114	66.220.145.13	HTTP	200 OK
364	272.187522	192.168.1.114	66.220.145.13	HTTP	200 OK
4334	290.940663	192.168.1.139	66.220.145.35	HTTP	200 OK
4336	290.956349	192.168.1.139	66.220.145.35	HTTP	200 OK
4349	290.223074	192.168.1.139	66.220.145.35	HTTP	200 OK
4432	290.514530	192.168.1.139	66.220.145.35	HTTP	200 OK
4433	290.513794	192.168.1.139	66.220.145.35	HTTP	200 OK
4444	290.732803	192.168.1.139	66.220.145.35	HTTP	200 OK
4760	302.490790	192.168.1.139	66.220.145.35	HTTP	200 OK
5088	305.877586	192.168.1.114	66.220.145.35	HTTP	200 OK
6639	324.403128	192.168.1.139	66.220.145.35	HTTP	200 OK
7853	335.333305	192.168.1.139	66.220.145.35	HTTP	200 OK

Keep-Alive: 115\r\n
 Connection: keep-alive\r\n
 X-SVN-Rev: 244938\r\n
 Referer: http://www.facebook.com/profile.php?id=584568267&v=wall&story...
 [truncated] Cookie: __utma=87286159.1316193368.1226010709.1257630126.1...
 \r\n

0000 00 21 29 c8 71 04 00 1f 5b 09 be 27 00 00 45 00 ... |).q... [..'.e.
 0010 04 cf 51 22 40 00 40 06 4f 03 c0 a0 01 72 42 dc ... 0*0 0 0...FB.
 0020 91 0d e8 25 00 50 a8 01 8d a8 55 fa 64 2e 80 18 ... %P... ..U.d...
 0030 ff ff 7b af 90 00 01 01 08 0a 2e 40 90 e4 89 1b ... {..... ..0...
 0040 8d f1 47 45 54 20 2f 61 6a 61 78 2f 69 6e 74 65GET /a_jax/inte...
 0050 6e 74 2e 70 68 70 3f 5f 5f 61 3d 31 26 66 69 6c ... nt.php?_a=1&fil...
 0060 74 65 72 3d 68 26 70 65 6e 64 69 6e 67 3d 74 72 ... ter=h&pe nding=tr...
 0070 75 65 26 72 65 71 75 65 73 74 5f 74 79 70 65 5d ... ue&reque st_type=...
 0080 31 20 48 54 54 50 2f 31 2e 31 0d 0a 48 6f 73 74 ... 1 HTTP/1 .1. Host...
 0090 3a 20 77 77 77 2e 66 01 63 65 62 6f 6f 6b 2e 63 ... : www.fa cebook.c...
 00a0 6f 6d 0d 0a 55 73 65 72 2d 41 67 65 6a 74 3a 20 ... om. User -Agent: ...
 00b0 4d 6f 7a 69 6c 6c 61 2f 35 2e 30 20 20 4d 61 63 ... Mozilla/ 5.0 (Mac...
 00c0 69 6e 74 6f 73 68 3b 20 55 3b 20 49 6e 74 65 6c ... intosh; U; Intel...
 00d0 20 4d 61 63 20 4f 53 20 58 20 31 30 2e 35 3b 20 ... Mac OS X 10.5; ...

Ready to load or capture | Packets: 52773 Displayed: 133 Marked: 0 | Profile: Default

```
Follow TCP Stream
Stream Content
GET /ajax/intent.php?_a=1&filter-h&pending=true&request_type=1 HTTP/1.1
Host: www.facebook.com
User-Agent: Mozilla/5.0 (Macintosh; U; Intel Mac OS X 10.5; en-US; rv:1.9.2.3) Gecko/20100401 Firefox/3.6.3
Accept: text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8
Accept-Language: en-us,en;q=0.5
Accept-Encoding: gzip, deflate
Accept-Charset: ISO-8859-1,utf-8;q=0.7,*;q=0.7
Keep-Alive: 115
Connection: keep-alive
X-SW-Rev: 244938
Referer: http://www.facebook.com/profile.php?id=504568267&v=wall&story_fbid=118384834861439
Cookie: __utma=87286139.1316153368.1226010799.1257639126.1257734728.87;
datr=1233161259-6735bad27956d744d1218956a08da792u7b1eb02acc1c440580c; laeyunicomechs%40yahoo.com; xs=6937d0979d5f3e2ae4e4ae22912f65c9;
lon=8xj863q6yly9v45x4u0; lxr=1; locale=en_US; e.user=504568267; sct=127291608; sid=3; x-referer=http%3A%2F%2Fwww.facebook.com%2F%3Fref%
30logo%2F%2Fprofile.php%3Fid%3D504568267%26v%3Dwall%26story_fbid%3D118384834861439;
presence=0J273608322614H0L504568267A3Bf273608325110WbLcMsa-9PbL0Mv1P273590698cTP2736044568sbP8TA_7bQBuctP2736083218sA00B1ADaca29W27360
822228481cP8cvrADrAB.96btSP273588495000; cur_max_tag=2; em

[12968 bytes missing in capture file]Ys...X...
m..z.....ek..!
J%k.....I.....W..!
...ID5...d.k.z.x...2.gv!..0.....|..*..*
...S...e...b...+..M....-B...>.b...tEa...f...K/...z...2w...a.....0...#...t...0.$.....f.....t...
.....K..w.p.....a[.....].>
```

```
Follow TCP Stream
Stream Content
GET /ajax/intent.php?_a=1&filter=hipending=true&request_type=1 HTTP/1.1
Host: www.facebook.com
User-Agent: Mozilla/5.0 (Macintosh; U; Intel Mac OS X 10.5; en-US; rv:1.9.2.3) Gecko/20100401 Firefox/3.6.3
Accept: text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8
Accept-Language: en-us,en;q=0.5
Accept-Encoding: gzip,deflate
Accept-Charset: ISO-8859-1,utf-8;q=0.7,*;q=0.7
Keep-Alive: 115
Connection: keep-alive
X-SVN-Rev: 244938
Referer: http://www.facebook.com/profile.php?id=504568267&wall&story_fbid=118384834861439
Cookie: __utma=87286139.1316193368.1226010799.1257639126.1257734728.87;
datr=1233161259-67335bad27950d744d1218866ad8da792d7b1eb02acc1c4409588c; lxeuyunicomechs@yahoo.com; xs=6937d9979d5f3e2ae4e4ae22912f65c9;
lo=HxjWSxqWlySVASkeUe0; lxr=1; locale=en_US; c_user=504568267; sct=1272591608; sid=3; x-referer=http%3A%2F%2Fwww.facebook.com%2F%3Fref%
30logo%23%2Fprofile.php%3Fid%3D504568267%26v%3Dwall%26story_fbid%3D118384834861439;
presence=01273608322014#01504568267A38f273608325110#b1cMse-SPb1o#v1P2735906090cP2736044568sbP8TA_7bQBuctP2736083218sA008b1ADaca29U27360
822228481cP8crrADrAb.968tsP273588495000; cor_max_lag=2; em

[12968 bytes missing in capture file]Ys...x...
M..Z.....ek..!
J%k.....I.....W..!
...105...d.k.z.x...2.gvl..0.....|.!.*.*
...S...e.....b...+.M....-B.....>.6...tEa...f...K/...z...2w...a.....0...#...t..0.$.....f.....l...
...K...w.p.....a|.....|.P
...

Find Save As Print Entire conversation (10512 bytes) ASCII EBCDIC Hex Dump C Arrays Raw
Help Filter Out This Stream Close
```

```
Stream Content
GET /ajax/intent.php?_a=1&filter=hipending=true&request_type=1 HTTP/1.1
Host: www.facebook.com
User-Agent: Mozilla/5.0 (Macintosh; U; Intel Mac OS X 10.5; en-US; rv:1.9.2.3) Gecko/20100401 Firefox/3.6.3
Accept: text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8
Accept-Language: en-us,en;q=0.5
Accept-Encoding: gzip,deflate
Accept-Charset: ISO-8859-1,utf-8;q=0.7,*;q=0.7
Keep-Alive: 115
Connection: keep-alive
X-SW-Rev: 244938
Referer: http://www.facebook.com/profile.php?id=504568267&wall&story_fbid=118384834861439
Cookie: __utma=87286139.1316193368.1226010799.1257639126.1257734728.87;
datr=1233161259-67335bad27950d744d1218866ad8da792d7b1eb02acc1c4409588c; lxeuyunicomechs@yahoo.com; xs=6937d9979d5f3e2ae4e4ae22912f65c9;
lo=HxjWSxqWlySVASkeUe0; lxr=1; locale=en_US; c_user=504568267; sct=1272591608; sid=3; x-referer=http%3A%2F%2Fwww.facebook.com%2F%3Fref%
30logo%2F%3Fprofile.php%3Fid%3D504568267%26v%3Dwall%26story_fbid%3D118384834861439;
presence=01273608322014901504568267A38f273608325110wPbcMse-PHbl0bvtP2735906090tP2736044568sbP8TA_7bQBuctP2736083218sA008b1ADaca29U27360
82222848lcP8crrADrAB.968tsP273588495000; cor_max_lag=2; em

[12968 bytes missing in capture file]Ys...x...
M..Z.....ek..!
J%k.....I...W..!
...105...d.k.z.x...2.gvl..0.....|..*..*
...S...e...b...+..M....-B.....>..6...tEa...f...K/...z...2w...a.....0...#...t..0.$.....f.....l...
...K...w.p.....a|.....|.P
...

Find Save As Print Entire conversation (10512 bytes) ASCII EBCDIC Hex Dump C Arrays Raw
Help Filter Out This Stream Close
```




```
Follow TCP Stream
Stream Content
GET /ajax/intent.php?_a=1&filter=hipending=true&request_type=1 HTTP/1.1
Host: www.facebook.com
User-Agent: Mozilla/5.0 (Macintosh; U; Intel Mac OS X 10.5; en-US; rv:1.9.2.3) Gecko/20100401 Firefox/3.6.3
Accept: text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8
Accept-Language: en-us,en;q=0.5
Accept-Encoding: gzip,deflate
Accept-Charset: ISO-8859-1,utf-8;q=0.7,*;q=0.7
Keep-Alive: 115
Connection: keep-alive
x-csr-token: 344028
Referer: http://www.facebook.com/profile.php?id=504568267&wall&story_fbid=118384834861439
Cookie: fbm=222228481cPcrrADrAB.968tsP273588495000; .phpsessid=1233161259-67335bad27959d744d1218866ad8da792d7b1eb02acc1c4409580; ikeyunicomechu@yahoo.com; .s=6937d9979d5f3e2ae4e4ae22912f65c9;
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822228481cPcrrADrAB.968tsP273588495000; cor_max_lag=2; em

[12968 bytes missing in capture file]Ys...x...
M.Z.....ek-!
J%k.....I...W..!
....105...d.k.z.x...2.gvl..0.....|..*..*
...S...e.....b...+..M....-B.....>..6...tEa...f...K/_z...2w...a.....0...#...t..0.$.....f.....l...
.....K...w.p.....a|.....|.P
.....


Find Save As Print Entire conversation (10512 bytes) ASCII EBCDIC Hex Dump C Arrays Raw
Help Filter Out This Stream Close
```

facebook Search Home Profile Account



Kathryn Austin [Add as Friend](#)

[Wall](#) [Info](#)

 Kathryn only shares some of her profile information with everyone. If you know Kathryn, send her a message or add her as a friend.

About Me

Basic Info	Sex:	Female
	Birthday:	November 25, 1986
	Siblings:	Jay Austin
	Parents:	Gene Austin
	Relationship Status:	Married to Rebecca Estee
	Anniversary:	August 30, 2005
	Current City:	Saint Louis, Missouri
	Hometown:	Austin, Texas
	Religious Views:	everything and nothing, including but not limited to: DDR

Bio There is always a reason to celebrate.

Favorite Quotations: How very special are we,
for just a moment to be,
part of life's eternal rhyme,
how very special are we,
to have on our family tree,
Mother Earth and Father Time.
-Charlotte's Web

Work and Education

Grad School: [Vanderbilt University '12 \(1 of 1\)](#)

[View Photos of Kathryn \(336\)](#)
[View Videos of Kathryn \(3\)](#)
[Send Kathryn a Message](#)

And when things start to happen, don't worry. Don't stew. Just go right along. You'll start happening too.

Information

Networks:
[Washington University in St. Louis '09](#)
[Vanderbilt Grad Student '12](#)


Relationship Status:
Married to [Rebecca Estee](#)

Birthday:
November 25, 1986

Current City:
Saint Louis, MO

Friends

464 Friends [See All](#)



Create an Ad

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Things to do in St Louis before you die. One huge coupon emailed daily.
[Like](#)

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More Ads

[Chat \(43\)](#)



Raymond Collett
Mario Triets Jr.
Tony Renner
Amy Turner
Andy Day
Jerrold Serendipitous Mikowitz

Report/Block this Person

 Share


Work and Education


Grad School **Vanderbilt University '12** M.Ed.
Human Development Counseling


College **Washington University in St. Louis '09**


High School **Westlake High School '05**


Likes and Interests

Activities **Mentoring, Singing, Geocaching** 


Interests **Complexity, Simplicity** 

Music **More Fools than Wise, The Bright Light Social Hour, Beastpower** 

Books **Oh, the Places You'll Go!** 






Television **Spongebob SquarePants, Degrassi** 

[Show other Pages](#)

 Chat (43)

Report/Block this Person

[Share](#)

Activities	Mentoring, Singing, Geocaching	 Mentoring
Interests	Complexity, Simplicity	 Complexity
Music	More Fools than Wise, The Bright Light Social Hour, Beastpower	 More Fools than Wise
Books	Oh, the Places You'll Go!	 Oh, the Places You'll Go!
Television	SpongeBob SquarePants, Degass	 SpongeBob SquarePants

[Show other Pages](#)

Contact Information

Mobile Number:	5126951475
Website:	http://fools.mustl.edu
Facebook Profile:	http://www.facebook.com/austin.kathryn

Facebook © 2010 English (US) [About](#) [Advertising](#) [Developers](#) [Careers](#) [Terms](#) [Find Friends](#) [Privacy](#) [Mobile](#) [Help Center](#)

[Chat \(43\)](#)

Firesheep

Appeared October 27, 2010

Firefox extension

Makes cookie sidejacking *easy*

Tools | Link to this page | Add to Widget | Add to Alerts | Share on Twitter | Your Earnings Summary | What's New | Discussion Boards | amazon associates

Settings

amazon.com **Prime**

Hello, Ralph S. Granneman. We have recommendations for you. (Not Ralph?)
Ralph's Amazon.com | Today's Deals | Gifts & Wish Lists | Gift Cards

The All-New Kindle: \$139

Your Account | Help

Shop All Departments | Search: All Departments | GO | Cart | Your Lists

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- Digital Downloads
- Kindle
- Computers & Office
- Electronics
- Home, Garden & Pets
- Grocery, Health & Beauty
- Toys, Kids & Baby
- Clothing, Shoes & Jewelry
- Sports & Outdoors
- Tools & Home Improvement
- Automotive & Industrial

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Something for Everyone

[Shop Gifts & Wish Lists](#)

Great Features, Low Prices

HDTVs under \$499

[Shop now](#)

amazon Windows for iPad

Explore and shop like never before
[Learn more](#)

Inspired by Your Shopping Trends

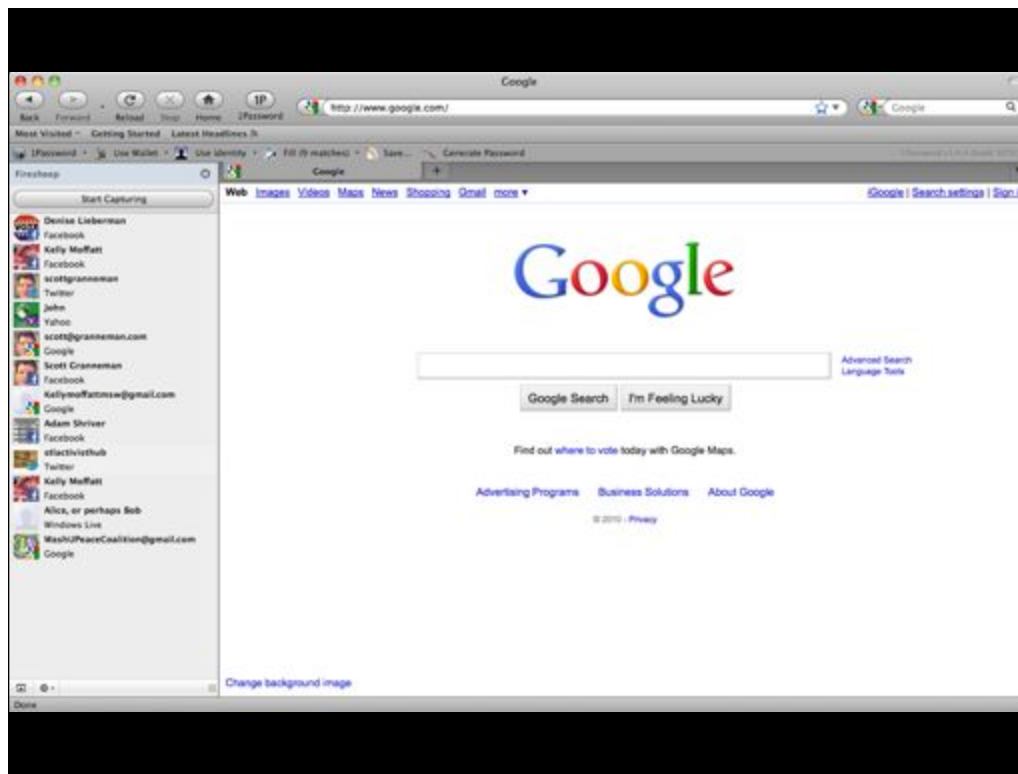


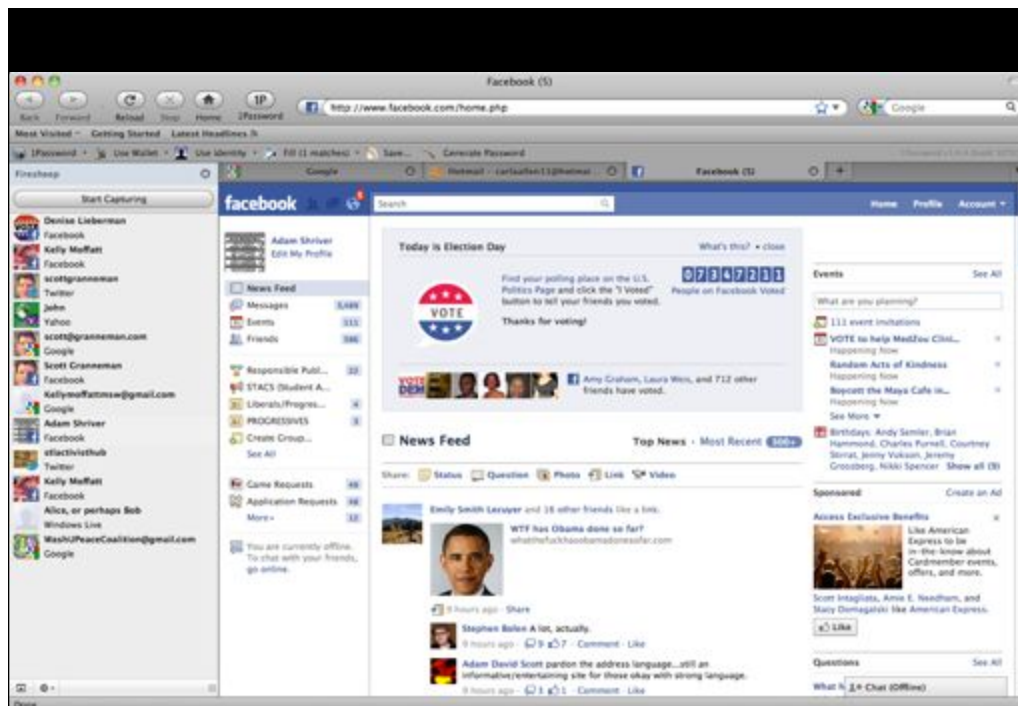
Get a Free Gund Bear

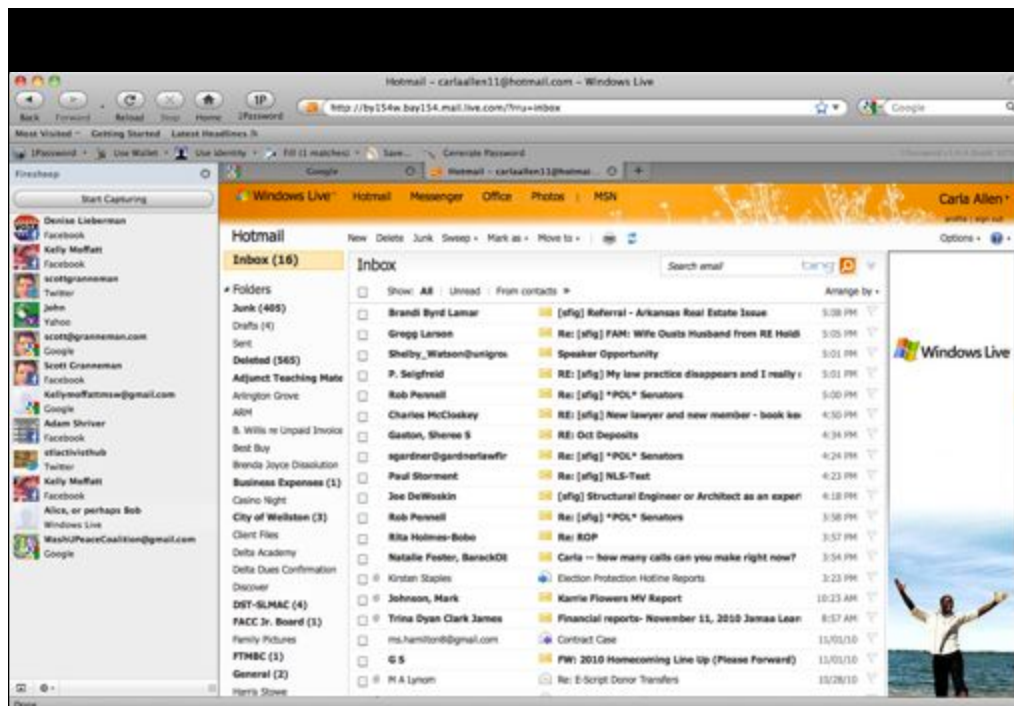
For a limited time, when you

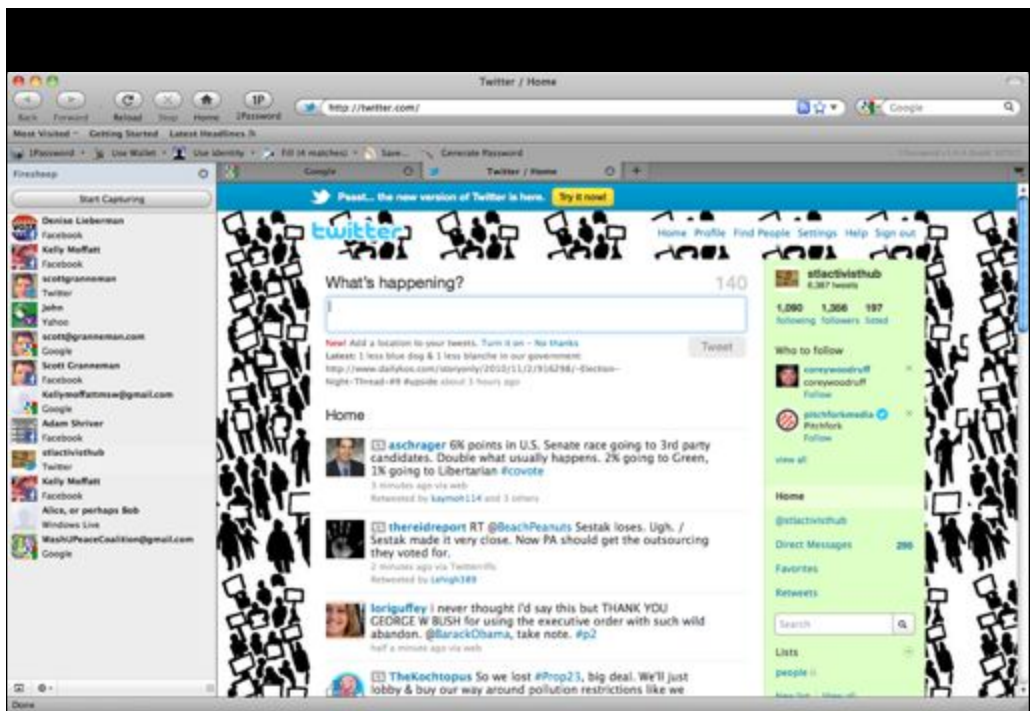












The solution: encryption



Service providers
(Facebook, Yahoo Mail, Twitter)
need to use HTTPS everywhere

Send email using encryption
Read email using encryption
IM using encryption
Conduct e-commerce
using HTTPS

VPN
(Virtual Private Network)
encrypts all Internet traffic

StrongVPN
www.strongvpn.com
\$7/month

Email

✓ Gmail

✓ Hotmail

IM

✓ Skype

✓ Google Chat

- Firefox extensions
- ✓ HTTPS Everywhere
 - ✓ Force-TLS

Google Chrome extensions

- ✓ Secure Login Helper
- ✓ KB SSL Enforcer

For more info, see my
“Coffee shop WiFi for dummies”

[www.securityfocus.com/
columnists/385](http://www.securityfocus.com/columnists/385)

Backup

Why?

A problem has been detected and windows has been shut down to prevent damage to your computer.

DRIVER_IRQL_NOT_LESS_OR_EQUAL

If this is the first time you've seen this Stop error screen, restart your computer. If this screen appears again, follow these steps:

Check to make sure any new hardware or software is properly installed. If this is a new installation, ask your hardware or software manufacturer for any windows updates you might need.

If problems continue, disable or remove any newly installed hardware or software. Disable BIOS memory options such as caching or shadowing. If you need to use Safe Mode to remove or disable components, restart your computer, press F8 to select Advanced Startup options, and then select Safe Mode.

Technical information:

*** STOP: 0x000000D1 (0x0000000C,0x00000002,0x00000000,0xF86B5A89)

*** gv3.sys - Address F86B5A89 base at F86B5000, DateStamp 3dd991eb

Beginning dump of physical memory

Physical memory dump complete.

Contact your system administrator or technical support group for further assistance.



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Source: Sylvain Pedneault; edited by jjron; http://commons.wikimedia.org/w/index.php?title=File:FirePhotography_edit1.jpg&oldid=26671960

Backing Up Online

Dropbox
www.dropbox.com

Mozy
www.mozy.com

Backblaze
www.backblaze.com




CrashPlan
www.crashplan.com

CrashPlan


CRASHPLAN™

Backup

- Restore
- Settings
- History
- Friends
- Destinations

Have data you can't afford to lose?

 Simple, intelligent backup. Always online & available.

Need more storage?
 Check out Drobo—instantly expandable & redundant.


 The Casper Suite simplifies the life of system administrators with one tool to inventory, image, update, and maintain Macs.

Welcome to CrashPlan
 Click **Start Backup** to back up your files to [CrashPlan Central](#) or choose other [destinations](#) for greater speed, security and no monthly fees.

Backup Destinations

- CrashPlan Central** Backup passed — resuming in 23.7 hours
- Edend** (Free)
- Another Computer** (Free)
- Folder** (Free)

Files to Back Up

Users > nprannc > .bash_aliases	1 file	5.7 KB
Users > nprannc > .bash_history	1 file	13.4 KB
Users > nprannc > .bashrc	1 file	1.1 KB
Users > nprannc > .gnupg	33 files	8.4 MB
Users > nprannc > .keepassxc	2 files	1.4 KB
Users > nprannc > .profile	1 file	742 Bytes
Users > nprannc > .ssh	8 files	57.2 KB
Users > nprannc > .vim	89 files	520.3 KB
Users > nprannc > .vimrc	1 file	15.5 KB
Users > nprannc > .vimrc.d	7 files	11.2 KB
Users > nprannc > .vimrc	1 file	15.3 KB
Users > nprannc > .viminfo	1 file	658 Bytes
Users > nprannc > .viminfo	1 file	34 Bytes
Users > nprannc > .viminfo	1,040 files	14.4 MB
Users > nprannc > .viminfo	2 files	0 MB
Users > nprannc > Documents > Documents	7,794 files	1.4 GB
Users > nprannc > Documents > Desktop		

CrashPlan provides secure unlimited backup to multiple destinations. Add destinations to improve your CrashPlan:



Back up to a friend's computer and pay no monthly fees. Need more room? Attach an external drive to the PC.



Back up between your computers. Laptop to desktop, home to office, Mac to PC... it all works!



Back up directly to an attached drive. Move drive to a remote PC to continue offsite protection.



Back up to your favorite third-party provider online.



Data encrypted
during transport
& in storage





1 PC/\$54/year
All PCs/\$100/year
Unlimited data

Backing Up Locally



Time Machine

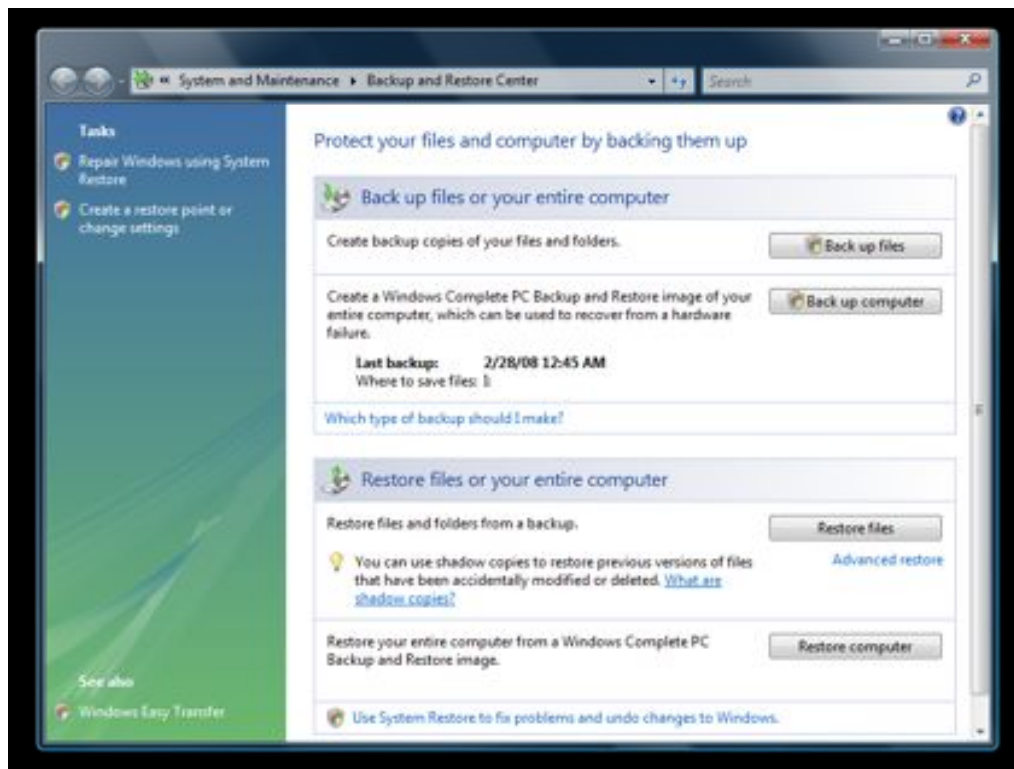


Backup and Restore Center



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Vista only



	Backup Personal Files	Backup System Files	Complete PC Backup	Automated Backup
Home Basic	✓			
Home Premium	✓			✓
Business	✓	✓	✓	✓
Enterprise	✓	✓	✓	✓
Ultimate	✓	✓	✓	✓

CrashPlan



CrashPlan provides secure unlimited backup to multiple destinations. Add destinations to improve your CrashPlan:



Back up to a friend's computer and pay no monthly fees. Need more room? Attach an external drive to the PC.



Back up between your computers. Laptop to desktop, home to office, Mac to PC... it all works!



Back up directly to an attached drive. Move drive to a remote PC to continue offsite protection.



Back up to your favorite third-party provider online.

Cloning



Carbon Copy Cloner
Free
www.bombich.com



Acronis True Image
\$50 for Home
www.acronis.com





Clonezilla
Free
clonezilla.org





Thank you!

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Publications: www.granneman.com/pubs

Blog: blog.granneman.com

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

Personal Security Online: Protecting Yourself

Ladue Chapel Presbyterian Church

R. Scott Granneman

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Questions? Email scott@granneman.com