# Searching for Evil

### Ross Anderson Richard Clayton

Joint work with Tyler Moore, Steven Murdoch & Shishir Nagaraja



Cambridge 16<sup>th</sup> January 2008

## Traffic analysis

- Traffic analysis was always critical in electronic warfare call-signs hid identities, but you'd recognise a radio operator from his 'fist'
- Most of the information from police wiretaps is who called whom, not what was said
- We got interested circa 1995 (the crypto wars)
- When people developed online anonymity systems, traffic analysis became the big threat
- Traffic analysis is about to become a really big issue for online services such as Google!

### Security and economics

- Electronic banking: UK banks were less liable for fraud, so ended up suffering more internal fraud and more errors
- Distributed denial of service: viruses now don't attack the infected machine so much as using it to attack others
- Health records: hospitals, not patients, buy IT systems, so they protect hospitals' interests rather than patient privacy
- Why is Microsoft software so insecure, despite market dominance?
- Problems like these led us to start studying security economics at the turn of the century
- Now there are 100+ active researchers

## Security economics (2)

- Microeconomics can help explain phenomena like adverse selection and moral hazard (why do Volvo drivers have more accidents?)
- Application to search: Ben Edelman, "Adverse selection on online trust certifications"
- The top Google advert is about twice as likely as the top free search result to be malicious
- Conclusion: 'Don't click on ads'
- What can be done about this?

## Topology and vulnerability

- Many real-world networks can be modeled as scale-free – social contacts, disease spread, spread of computer viruses
- Power-law distribution of vertex order, often arising from preferential attachment
- Highly-connected nodes greatly enhance connectivity
- ... and also vulnerability if you attack them, the network is rapidly disconnected

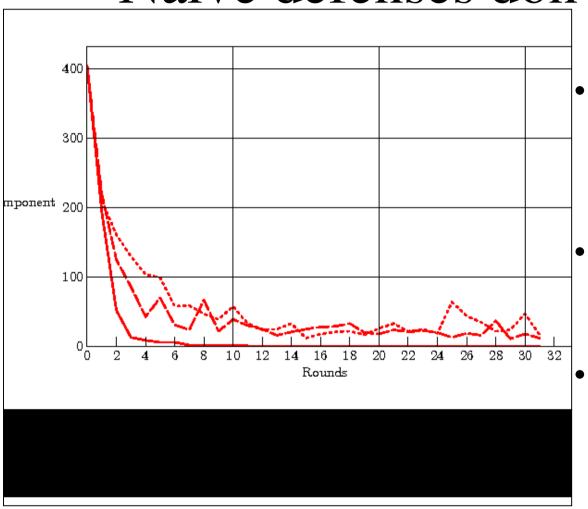
# Topology and vulnerability (2)

- Example: Sierra Leone HIV/AIDS program treated prostitutes first only 2% of population infected (vs 40% in Botswana)
- Example: if you conquer a country, subvert or kill the bourgeoisie first
- What about the dynamic case, e.g. insurgency? Police keep arresting, insurgents keep recruiting
- This work: we apply evolutionary game theory to study this dynamic case

# Simulation methodology

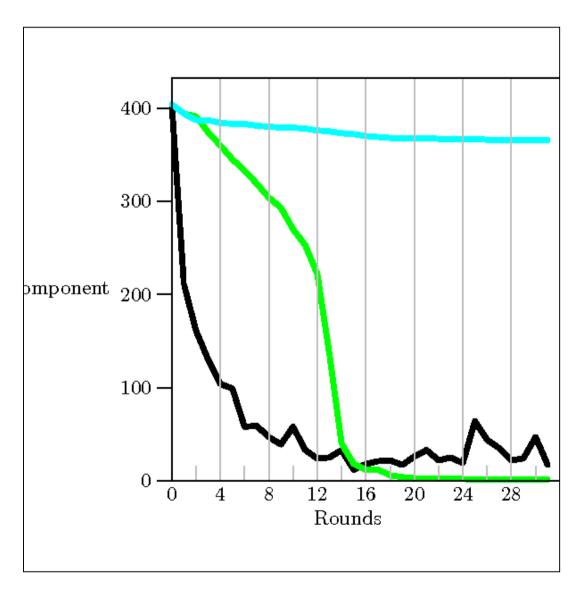
- After Axelrod's work on iterated prisoners' dilemma
- Scale-free network of 400 nodes
- At each round, attacker kills 10 nodes their selection is his strategy
- Defender recruits 10 more, then reconfigures network how he does this is his strategy
- Iterate search for defense, attack strategy

### Naïve defenses don't work!



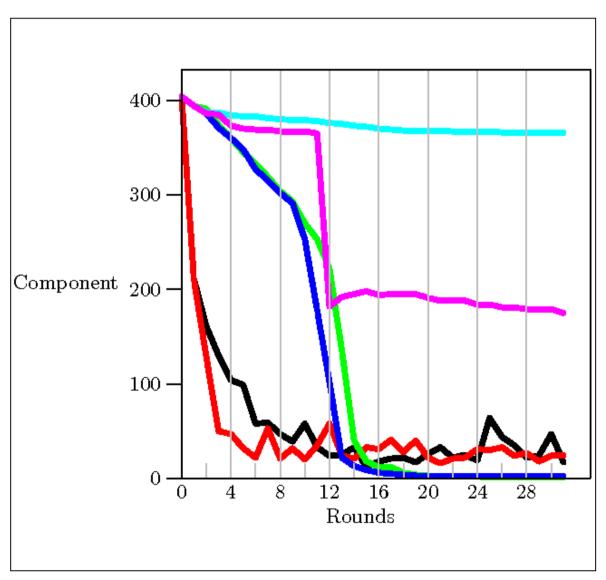
- Basic vertexorder attack – network dead after 2 rounds
- Random replenishment 3 rounds
  - Scale-free replenishment – 4 rounds

# Evolving defense strategies



- Black scale free replenishment
- Green replace high-order nodes with rings
- Cyan replace high-order nodes with cliques
- Cliques work very well against the vertex-order attack

### Evolving attack strategies



- Centrality attacks are the best counter we found to cliquebased defenses
- Rings: G, B cliques: C, M
- Vertex-order attack: B, G, C
- Attack using centrality: R, B, M

### Part II

Searching for .....

phishing
other criminals
sharp practice
and "MFA"

# Types of phishing website

Misleading domain name

```
http://www.banckname.com/
http://www.bankname.xtrasecuresite.com/
```

• Insecure end user

```
http://www.example.com/~user/www.bankname.com/
```

• Insecure machine

```
http://www.example.com/bankname/login/
http://49320.0401/bankname/login/
```

Free web hosting

```
http://www.bank.com.freespacesitename.com/
```

## Rock-phish is different!

- Compromised machines run a proxy
- Domains do not infringe trademarks
  - name servers usually done in similar style
- Distinctive URL style

```
http://session9999 bank.com lof80.info/signon/
```

- Some usage of "fast-flux" from Feb'07 onwards
  - viz: resolving to 5 (or 10...) IP addresses at once

Phishing website lifetimes (hours)	# sites (8 weeks)	Mean lifetime	Median lifetime
Non-rock	1695	62	20
Rock-phish domains	421	95	55
Fast-flux rock-phish domains	57	196	111
Rock-phish IP addresses	125	172	26
Fast-flux rock-phish IP addresses	4287	139	18

### Free web-hosting take-down data

Site lifetime (in hours)	# sites	mean	median
yahoo.com	174	23.8	6.9
doramail	155	32.8	18.1
pochta.ru	1253	33.8	16.8
alice.it	159	52.4	18.8
by.ru	254	53.1	38.2

BUT: almost all sites (except on Yahoo!) were eBay (65 hour average; this is 1/3 of their total)



The Company

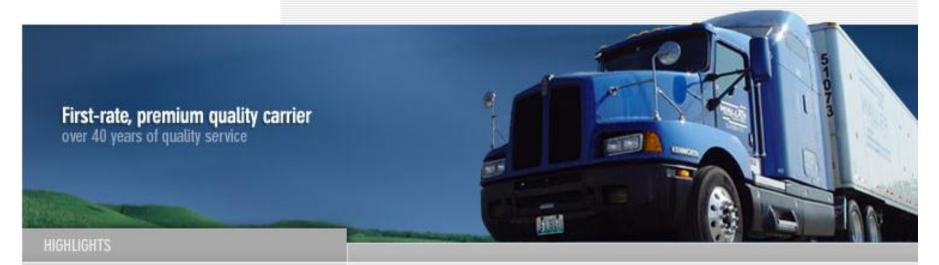
Drivers

Equipment Sale

Brokerage

Resources

Contact





TRUCK DRIVERS see what Waller has to offer you



EQUIPMENT SALE buy equipment from Waller

#### Quality, Fairness, Honesty and Uncompromising Customer Service

Since its establishment in 1959, Waller Truck Co., Inc. has centered its family-owned trucking business on: QUALITY, FAIRNESS, HONESTY and UNCOMPROMISING CUSTOMER SERVICE.

Because your product is your investment, we take shipping your product and protecting your investment seriously. Waller Truck Company's well-maintained, market-responsive equipment, strong supply of quality drivers and dedication to service make meeting your delivery times a habit, and one that will continue. From every angle of quality, commitment and customer service, Waller Truck Company is serious about being a leader in the industry.

#### 1. Regional Sales Manager

#### Status: Part-time Job description:

- Work as a member of a group, helping to enlarge a base of customers in countries all over the world and liaise with head office on a daily basis:
- Deliver high standards of customer service ensuring high delivery speed and quality of sixters:
- Manage a part of a sales cycle ensure fast remittance of payments through your bank account and then - through world wide Western Union system and calculate fees at each step;
- Create and maintain positive relationships with existing clients that result in new customers. lead to and
  maximise opportunities for expansions and renewals to enhance revenue stream.

#### Employees should be able to perform:

- Excellent spoken English & communication skills (oral and written).
- Professional approach on the phone conversations
- PC literate: Microsoft Outlook and Word as a minimum
- Proven ability to communicate effectively at all levels in a relaxed confident manner.
- Extroverted and outgoing, with a positive outlook.
- Significant attention to detail.
- Excellent organisational skills.
- Customer focused.
- Focused on own personal goals, integrating the achievement of company objectives.
- Ability to work unsupervised No previous sale or accounting experience is necessary, though it will be valued.

Your Personal situation must allow you to travel around your place 1-2 hours a day on company assignments (that would be particularly trips to the bank and Western Union branches)

#### Apply for this Position

#### WE OFFER:

- A base salary with generous commissions (10% out of each payment you've dealt with) and expenses.
- Flexible timetable allows you to chose the most suitable time to deal with company apaignments
- Benefits, including Contributory Pension, Life Assurance, Private medical Insurance, Birthday holiday
   Day and Childcare vouchers

#### 2. Warehouse supervisor

#### Status: full-time Job description:

- Provide health and safety of all staff and visitors to the warehouse and goods in area;
- Make accounting for quality and storing of incoming goods;
- Make stock records of all stock in warehouse;
- Correct assembly of orders against shipping documents;
- Supervise cleanliness of the warehouse and production area;
- Monitor loading of vehicles to meet shipping dates;
- Inspect maintenance of all mechanical handling equipment within the Company.
- Supervise and manage all staff reporting to you.

#### Employees should be able to perform:

- 1 Knowledge of Warehouse Operations
- 2 Stock Control skills
- 3 Knowledge Warehouse IT Systems
- 4 Supervision of Staff
- 5 Professional approach on the phone and in face-to-face meetings...
- 6 PC literate: Microsoft Excel, Outlook & Word as a minimum

### Mule recruitment

- Proportion of spam devoted to recruitment shows that this is a significant bottleneck
- Aegis, Lux Capital, Sydney Car Centre, etc, etc
  - mixture of real firms and invented ones
  - some "fast-flux" hosting involved
- Only the vigilantes are taking these down
  - impersonated are clueless and/or unmotivated
- Long-lived sites usually indexed by Google

### Mule recruitment site takedown is slow!

Mule website lifetimes (hours)	# domains	Mean lifetime	Median lifetime
Lux Capital	10	751	1058
Aegis Capital Group	11	292	311
Sydney Car Centre	17	182	135
Waller Truck	24+	ongoing	_

# SECUREcargo



Track Shipment
Register for a Safe Transaction NEW!
Who we are?
Vehicle Transportation
Privacy Policy
How it Works? (5 Easy Steps)

Contact Us Drop-off Locations



Click to verify

http://www.scargo-24.com





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Internal complaint handling procedures can be requested by contacting securecargo@inbox.com.

Web

Results 1 - 6 of 6 for "register

#### HOW IT WORKS

WHO WE ARE? ... TO GET STARTED, JUST CLICK THE REGISTER FOR A SAFE TRANSACTION BUTTON FROM THE HOME PAGE AND YOU WILL BE TAKEN STEP-BY-STEP THROUGH THE ...

ganaza.eu/a/how.htm - 18k - Cached - Similar pages

#### Welcome to EPAX Transport LIMITED

Register for a Safe Transaction - Who we are? Vehicle Transportation - Privacy Policy - How it Works? (5 Easy Steps) ... www.epax-trans.com/ - 56k - Cached - Similar pages

#### Welcome to SK Shipping 24

Register for a Safe Transaction · Who we are? Vehicle Transportation · Privacy Policy · How it Works? (5 Easy Steps) ... www.sk-ship24.com/ - 56k - Cached - Similar pages

#### Welcome to Europeam Mover

Register for a Safe Transaction · Who we are? Vehicle Transportation · Privacy Policy · How it Works? (5 Easy Steps) ... erkende-verhuizers.org/ - 11k - Cached - Similar pages

#### Secure Cargo Ltd.

Register for a Safe Transaction · Who we are? Vehicle Transportation · Privacy Policy · How it Works? (5 Easy Steps) ... scargo-24.com/ - 57k - Cached - Similar pages

#### **HOW IT WORKS**

WHO WE ARE? CONTACT US. HOW IT WORKS. WORKING WITH ... TO GET STARTED,



"We protect both the buyer and seller with a sim

Search

Advanced Search Preferences

Web

Results 1 - 10 of about 198 for "Ve protect both the buyer

#### Crapat Desec - Internet Escrow Service

We protect both the buyer and seller with a simple, 5-step trust process. Read how it works.. More Information. Learn how the Escrow process works in our ... www.crapat-desec.co.uk/ - 18k - Cached - Similar pages

#### BestAuto International INC - Internet Escrow Service

Protect yourself with BestAuto International INC! We protect both the buyer and seller with a simple, 5-step trust process. Read how it works. ... www.bestauto-international.com/faq.php - 28k - Cached - Similar pages

#### We offer good protection, both for the seller and the buyer

We protect both the buyer and seller with a simple, 5-step trust process. Buyers can inspect merchandise before the seller is paid. ... customer-electronics.com/thrd\_home.php - 9k - Cached - Similar pages

#### Auto Sell Web - Your worldwide escrow agent

We protect both the buyer and seller with a simple, 5-step trust process. Solid Partners. Auto Sell Web Escrow Services financially secures your cross ... www.auto-sell-web.com/ - 14k - Cached - Similar pages

#### Escrow.com: Vehicle Services

We protect both the buyer and seller with a simple, 5-step trust process. The Buyer can inspect the motor vehicle before the Seller is paid. ...

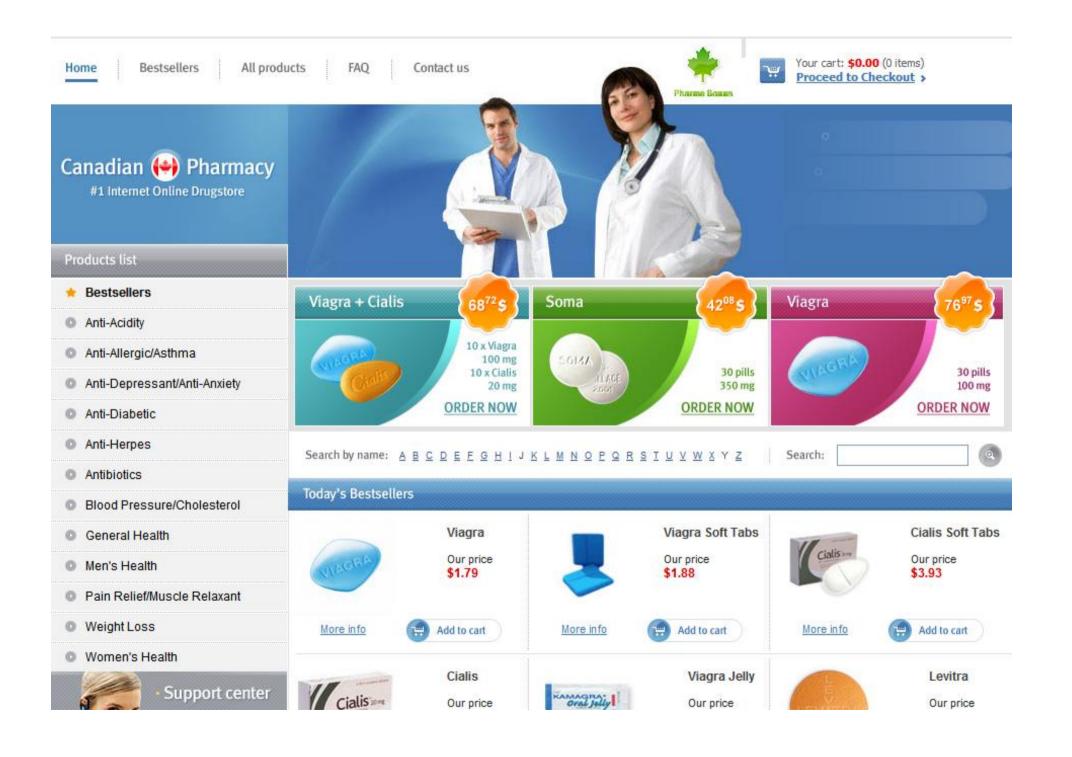
www.escrow.com/solutions/vehicle/index.asp - 16k - Cached - Similar pages

#### Escrow.com

Protect yourself with Escrow.com! We protect both the buyer and seller with a simple, 5step trust process. Read How It Works... How Much Does It Cost? ...

### Fake escrow sites

- Large number (a dozen or so) of sets of fake escrow sites used for auction scams
- Typically getting half a dozen victims a week, but profit in each case is the price of a second-hand car or motorcycle!
- Tracked by "AA419" and taken down by amateur "vigilantes"





"blood pressure/cholesterol" "Licensed by The C

Search

Advanced Search Preferences

Web

Results 1 - 10 of about 23,700 for "bood pressure/cholesterol" "Licensed by The

#### Canadian Pharmacy

Blood Pressure/Cholesterol - Tricor Ismo Imdur Trandate Liv.52 Lasix Vasodilan Vasotec .... Licensed by The College of Pharmacists of British Columbia. ... antoncool.freehostia.com/viagra17.html - 45k - Cached - Similar pages

#### Canadian Pharmacy

Blood Pressure/Cholesterol. Coreg. Coreg. This medication is an alpha- and betablocker .... Licensed by The College of Pharmacists of British Columbia. ... cheap-canadian-meds.com/item/blood\_pressure\_cholesterol/coreg.html - 83k -Cached - Similar pages

#### Canadian Pharmacy

Blood Pressure/Cholesterol - Lipitor Zocor Tenormin Norvasc Plavix Plendil Pravachol ....
Licensed by The College of Pharmacists of British Columbia. ...
cheap-canadian-meds.com/item/general\_health/herbal\_phentermine\_slimfast\_.html - 75k Cached - Similar pages
[More results from cheap-canadian-meds.com]

#### Canadian Pharmacy

Blood Pressure/Cholesterol. Lotensin. Lotensin. Lotensin can be used in treating high blood .... Licensed by The College of Pharmacists of British Columbia. ... homemade1.com/item.php?group\_id=55&id=773 - 45k - Cached - Similar pages

#### Canadian Pharmacy

Blood Pressure/Cholesterol. Lopid. Lopid. Lopid is used along with a proper diet to help ....
Licensed by The College of Pharmacists of British Columbia. ...
homemade1.com/item.php?group\_id=55&id=771 - 47k - 20 hours ago Cached - Similar pages

"Kris Thorkelson" "approved by ada"

Search

Advanced Search Preferences

Web

Results 1 - 10 of about 72 for "Kis Thorkelson" "approved by ada". (0.25 seconds)

#### Approved by ADA

Pharmacy: M-Fri, 7:30a-11:30p CST, Sat-Sun 8a-6p. CEO/President:. **Kris Thorkelson** 200-1765 West 8th Ave. Vancouver, BC, Canada V6J 5C6. www.24x7drugsstore.com/checker3.php - 5k - Cached - Similar pages

#### Approved by ADA

Pharmacy: M-Fri, 7:30a-11:30p CST, Sat-Sun 8a-6p. CEO/President:. **Kris Thorkelson** 200-1765 West 8th Ave. Vancouver, BC, Canada V6J 5C6. copyfollow.com/checker3.php - 3k - <u>Cached</u> - <u>Similar pages</u>

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... had my boyfriend try them out. All I can say is WOW...



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Most Advanced Solution in Penis Enlargement, Anywhere! 100% Guaranteed!



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You now have a truly amazing option for intense and effective penis enlargement: The Penis Enlarge Patch.

Drastically enlarge the penis length and width to sizes previously thought impossible! Gain incredible girth and mind-blowing length in just a few weeks time!



 Elevate sex drive to new levels- Perform like a professional with your partner. She'll love your new found sex drive! penis "eastern and western herbalists recomme

Web

Results 1 - 10 of about 228 for per is "eastern and western herbalists recommend

#### Virility Patch RX

The shaft of the normal penis consists of two erectile bodies, ... Eastern and Western herbalists recommend Fo-Ti as a tonic to maintain youthful vigor, ... www.slimstore.com/virilitypatch.htm - 24k - Cached - Similar pages

#### Vimax Patch - Science Behind Vimax Patch!

You'll continue adding inches and thickness to your penis even while you sleep! ... Eastern and Western herbalists recommend Fo-Ti as a tonic to maintain ... www.vimax-patch.org/about.html - 9k - Cached - Similar pages

#### Penis Enlarge Patch Rx. Natural Penis Enlargement Patch. Increase ...

the most powerful and fast-acting penis enlargement product I have ever used. ... Eastern and Western herbalists recommend Fo-Ti as a tonic to maintain ... penispatch.amazingnew.net/howitworks.php - 19k - Cached - Similar pages

#### Virility Ex Patch, male enhancement patch

Virility EX Patch Can Enhance Your Penis in Weeks! ... Eastern and Western herbalists recommend Fo-Ti as a tonic to maintain youthful vigor, increase energy ... hardoak.com/virility\_ex\_patch.htm - 15k - Cached - Similar pages

#### Virility Patch Rx | **Penis** Enlargement Patch Ingredients

Virility Patch Rx Penis Enlargement Male Enhancement Dermal Formula ingredients ... Eastern and Western herbalists recommend Fo-Ti as a tonic to maintain ... www.penisenlargementpatchvprx.com/ingredients.html - 13k - Cached - Similar pages





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- Notebooks Notebooks
- **GPS** system
- V DVD player
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- \* Phones
- MP3 MP4
- Musical
- Consoles Systems
- Toys and Other





#### Nikon D70s Digital SL R Camera Outfit with 1870mm

Item Number: 340200612

Market Price: 240 EUR

Member Price: 160 EUR

VIP Price: 150 EUR



nikon d70s body -used

Search Products

Search the Web

Advanced Product Search
Preferences

Results 1 - 10 of about 56 fo

**Products** 

Show Cook Checkout items only Showing all items

Show grid view

Sort by price: low to high



#### Nikon D70 Camera body boxed w accessories Digital SLR

SquareTrade © AP6.0 Nikon D70 Digital SLR camera body only boxed in excellent condition SN 3283782. Camera has been used by an amateur photographer. ...

\*\*\* 729 reviews - Add to Shopping List

\$459.99

eBay



#### Nikon D70 Camera body boxed accessories 1 year warranty

SquareTrade © AP6.0 Nikon D70S Digital SLR camera body boxed in excellent condition Camera SN 3047084 US model. Camera has been used by an amateur ...

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Nikon D70s Body Only + 1GB Compact Flash Memory Card6.1 effective megapixel Nikon DX Format CCD image sensorLarge 2.0" LCD monitor with intuitive menus and ...

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#### All customers may use the following payment options:



Western Union: www.westernunion.com

First Name: Hong Last Name: Cui City: BeiJing Country: China

We will need the following information from you after you have sent the payment:

- Money Transfer Control Number
- Senders Name and shipping information
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- Total Amount Sent

#### Bank Transfer:

If you wish to pay using this method, kindly request our bank details along with your order.



Bank of China Chengshousi subbranch of bank Feng Tai District , Beijing, C

A/C holder's name :CUI HONG A/C No. : 4141 7000 1880 0579 97 SWIFT code : BKCH CN BJ 110



Paypal online Payment



Bank of China Chengshousi subbranch of bank Feng Tai District , Beijing, C hina.

A/C holder's name :CUI HONG A/C No. : 4141 7000 1880 0579 97 SWIFT code : BKCH CN BJ 110 Web

#### Welcome To Our Website

Username: Password:

www.superII.com/ - 3k - Cached - Similar pages

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Choose Catalog, -----, Televisions, Notebooks, GPS system, DVD player, Photography, Phones, MP3 MP4, Musical, Consoles Systems, Toys and Other ... www.superll.com/info.asp?typename=payment - 28k - Cached - Similar pages

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#### aa419.org :: View topic - superll.com

Post subject:. http://www.superII.com/info.asp?typename=payment payment to Cui Hong ... Domain Name: SUPERLL.COM Registrar: XIN NET TECHNOLOGY CORPORATION ... forum.aa419.org/viewtopic.php?p=89253&sid=b11fad310e1dfa27fff33d5e54caf429 - 39k - Cached - Similar pages

#### FraudWatchers.Org - http://www.superll.com/

http://www.superII.com/ Soutien des victimes en Français. www.fraudwatchers.org/forums/showthread.php?t=10170 - 38k - <u>Cached</u> - <u>Similar pages</u>

#### http://www.superll.com/ [Archive] - Fraudwatchers

[Archive] http://www.superll.com/ Soutien des victimes en Français. fraudwatchers.org/forums/archive/index.php/t-10170.html - 8k - Cached - Similar pages More results from fraudwatchers.org »

### McAfee SiteAdvisor



180,000 known viruses. Secret spyware. International hackers. Online criminals.

Want to add your comments? Log in or Register.

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Look up a site report:

#### hotshopgood.com



We tested this site and didn't find any significant problems.

Are you the owner of this site? Leave a comment

Contact information:

Country



United States



#### AUTOMATED WEB SAFETY TESTING RESULTS FOR HOTSHOPGOOD.COM



E-MAIL TESTS FOR HOTSHOPGOOD.COM: ?



DOWNLOAD TESTS FOR HOTSHOPGOOD.COM: ?



ONLINE AFFILIATIONS FOR HOTSHOPGOOD.COM: ?





#### ONLINE AFFILIATIONS FOR HOTSHOPGOOD.COM: ?



ANNOYANCES FROM HOTSHOPGOOD.COM: ?

#### REVIEWER AND WEB SITE OWNER COMMENTS



#### USER REVIEW SUMMARY FOR HOTSHOPGOOD.COM ?

This site is good (0)

Excessive popups (0)

This site spams (0)

Phishing or other scams (0)

Adware, spyware, or viruses (0)

Bad shopping experience (1)

Browser exploit (0)



#### HOTSHOPGOOD.COM WEB SITE OWNER COMMENTS (0) ?

Are you the owner of this site? Add a comment

USER REVIEWS (1) ?

page 1 of 1

Learn more about our reviewer system.

Rating: Bad shopping experience

User claiming they were robbed here http://www.castlecops.com/p908073-.html#908073

Posted at 03/12/2007-08:08:16 PM by JeanInMontana, Reviewer, View profile [Reputation score: 1 / 9]

# Pills, Penises and Photography

- Canadian Pharmacy &c
  - hosted on same fast-flux pools as some of the phishing sites. Links remain unclear
- Google picking up a proportion of these sites, but by no means all
- Some fake shopping sites, which fool some reputation systems, though Google searches show complaints on the first page.

#### **Nation Buildingwide** Bank

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#### **ABOUT US**

Our mission

We aspire to be one of the most admired financial services organisations in the world, recognised as an innovative, customer-focused company that delivers superb products and services, ensures excellent careers for our people and contributes positively to the communities in which we live and work. What we'll do

Our long-term strategy is to remain a financial services company. We will continue to grow in Europe, and build our business in retail and commercial banking outside Europe, with a bias towards Continental Western Europe. We will develop our services and products for wealthy customers, and we will build our global businesses, such as investment banking and credit cards.

#### How we'll do it

Our strategy also determines the way in which we will achieve our goals. This includes the way we're organised, our management beliefs and practices, and the way we behave towards our customers and each other. Foremost among our practices is the use of a management framework that shapes the way in which we make business decisions, and ties all of our planning and operations to the creation of economic value.

WHO WE ARE About Us Benefits Structure Career

Financials

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Imagine a global financial firm with the heart and soul of a two-person organization. A world-leading wealth management company that sits down with you to understand your needs and goals. An award winning global investment bank and premier global asset management business dedicated to giving you the most personal attention at every level. Your Partner in Financial Wealth.

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We provide personal and professional services to individuals and family groups.

The group has an organisation of qualified experts that use the latest technology to take advantage of investment opportunities around the world, achieving the best financial and fiscal conditions for each customer.

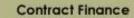
#### **Special Banking Services**

Internet Banking
Apply for online Banking
Login to Online Banking











### Fake banks

- These are not "phishing"
  - no-one takes them down, apart from the vigilantes
- Usual pattern of repeated phrases on each new site, so googling finds more examples
  - sometimes old links left in (hand-edited!)
- Sometimes part of a "419" scheme
  - inconvenient to show existence of dictator's\$millions in a real bank account!
- Or sometimes part of a lottery scam



### **ACCOUNTLOGIN**

Username: Password: Login

Password recovery >



Paid Out Investors Top 10 Investors Last 10



Started Running days Total accounts Total deposited Total withdraw Last update Jan 1, 2008 14 93 \$ 5,572.00 \$ 2,391.65 Jan 15, 2008

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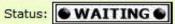
Amount

Username	Date	
ray	Jan-14-2008 02:01:44 PM	\$61.25
noprob	Jan-14-2008 02:01:44 PM	\$22.99
therock	Jan-14-2008 02:01:44 PM	\$18.00
iamalive	Jan-14-2008 02:01:44 PM	\$0.60
me	Jan-14-2008 02:01:44 PM	\$1.80
harrypotter	Jan-14-2008 02:01:43 PM	\$20.00
beaver	Jan-14-2008 02:01:43 PM	\$14.00
rollingball	Jan-14-2008 02:01:43 PM	\$32.00
yahua	Jan-14-2008 02:01:43 PM	\$1.60
badger	Jan-14-2008 02:01:43 PM	\$1.84
worm	Jan-14-2008 02:01:43 PM	\$60.00
hotinvestor	Jan-14-2008 02:01:43 PM	\$20.00
ProfSnape	Jan-14-2008 02:01:43 PM	\$0.80
bobmarley	Jan-14-2008 02:01:43 PM	\$1.60
robert	Jan-14-2008 02:01:43 PM	\$20.00
rolan	Jan-14-2008 02:01:43 PM	\$1.60
rectifier	Jan-14-2008 02:01:43 PM	\$80.00
ionathan	Jan-14-2008 02:01:22 PM	\$10.00
raven	Jan-14-2008 02:01:22 PM	\$0.80
santaclaus	Jan-14-2008 02:01:22 PM	\$0.80
TOTAL		\$369.68
	1234567891011	1 12 13 >>

### Post-modern Ponzi schemes

- High Yield Investment Program (HYIP)
  - propose returns of x% per DAY
- Basically Ponzi (pyramid) schemes that pay initial investors from newly joined mugs
- Often splash out for HTTPS certificates!
- Now some are up-front about Ponzi nature
- Reputation sites document their status

**BestForexWorld** 



Added: Jan 4th, 2008

Our Rating: Our Investment: \$40.00

User Votes: 0.0 - 0 votes Minimal Spend: 5 USD

Maximal Spend: 10.000 USD

Referral: 5%

Withdrawal: Manual

Support: R == 60

11.5-12.5% Daily for 10 Trading Days 5-6% Daily for 30 Trading Days 3.7-4.7% Daily for 60 Trading Days 3-4% Daily for 100 Trading Days

e-gold

Program Description:

Pavout Ratio: 0%

BEST FOREX WORLD is a private high yield investment grogram, is managed by a professional team with its target of stable and long term working. This program is supported by our real forex and some reliable and lower-risk offline investing channels so as to secure the online investing program and make our investors get profits back through this platform.

#### Program Details :: Payout Statistics :: Vote Now :: Get Monitor Button

Last Paid:Jan-04,2008

Join BestForexWorld

5thdayreturns new



Added: Jan 10th, 2008

Our Rating: Our Investment: No Investment

User Votes: 0.0 - 0 votes

Minimal Spend: 5 USD

Maximal Spend: 30.000 USD

Referral: 5%-10% Withdrawal: Manual Support: 🧖 🔠 🕬



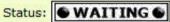
Program Description:

Its Me Coolasian (VCC Seller) from Talkgold Forum. I have good experience in stock market investment and other offline businesses. I have now decided to start a HYIP which will help Me and my HYIP's Investors to earn substantial returns together. My plans are simple and steady with Daily payouts. I accept E-gold and LibertyReserve.

#### Program Details :: Vote Now :: Get Monitor Button

Last Paid: No Payout Join 5thdayreturns

BGF.com new



Added: Jan 14th, 2008

Our Rating:



User Votes: 0.0 - 0 votes

Minimal Spend: 10 USD Maximal Spend: 15,000 USD

Referral: 5%

Withdrawal: Manual

Support: S == 6

9% Daily for 16 Days 150% after 10 Days

2% for 100 days

3% for 150 days

e-gold

5% for 25 days

Liberty Reserve

Liberty Reserve

Program Description:

Pavout Ratio: 0%

Our Investment: \$40.00

Welcome to BlessingGlobeFund.com. We are really excited because this program has the potential to grow each day by offering investors a stable and long term program. We invite you to evaluate and see the benefits of investing with BGF.com without having to raise substantial investment capital for yourself.

Program Details :: Payout Statistics :: Vote Now :: Get Monitor Button

Last Paid: Jan-14,2008

Join BGF.com

Grand Benefit

status: PROBLEM

payout statistics

Total return: 225.27% in profit

rating: 11.30 rate now

Grand Benefit is a professionally managed group of skillful traders. Our main aim is - to achieve the highest returns possible for both sides: for ourselves and our investors. We apply different methods of trading to generate returns.

45% daily for 4 days

320% after 4 days

700% after 10 days









minimum spend: 1 USD

referral: 5

maximum spend: 20000 USD

added: 2007-11-29

#### Ratings stats



very good 61 votes



good 1 votes





#### Latest users ratings:

rating	user host	user email	date
<b>3</b>	76.26.188.xxx	xxxxx@yahoo.com	2007-12-08
	vote comment:	not paying	
M	200.91.68.xxx	xxxxx@gmail.com	2007-12-07
	vote comment:	WARNING! It's SCAM! Don't invest h	ere.
M	82.228.3.xxx	xxxxx@free.fr	2007-12-07
	vote comment:	SCAM . Never paid . ADMIN = BIG CHEAT	
<b>6</b>	205.209.142.xxx	xxxxx@gmail.com	2007-12-07
	vote comment:	got paid again and again, batch: 87120481, id: wil	liam
<b>3</b>	82.228.3.xxx	xxxxx@free.fr	2007-12-06
	vote comment:	SCAM , THIEF , NEVER PAID , Admin = CHEAT	
<b>6</b>	61.42.130.xxx	xxxxx@gmail.com	2007-12-05
	vote comment:	got paid again.batch_id: 87096756,id: william	

"exempt from the US Securities Act of 1933"

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... therefore this program is exempt from the US Securities Act of 1933, the US Securities Exchange Act of 1934 and the US Investment Company Act of 1940 ... www.future-developer.com/rules.php - 13k - Cached - Similar pages

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... And absolutely exempt from the U.S. Securities Act of 1933, the U.S. Securities Exchange Act of 1934, the U.S Investment Company Act of 1940 and all ... www.miracle-trade.com/terms.html - 18k - Cached - Similar pages





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### European Human Rights Centre

The European Human Rights Centre (EHRC) represents over 100 non-governmental and other not-for-profit organisations interested in the promotion of Human Rights throughout Europe and beyond.

Visit EHRC websites for more information on EHRC and its activities.

The purpose of the Centre is to contribute to the general advancement of the human rights research by promoting cooperation in Europe between organisation and government officials, and by collaborating with similar associations throughout the world.

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go!

#### **Our Mission Statement**

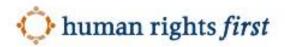
Human Rights First believes that building respect for human rights and the rule of law will help ensure the dignity to which every individual is entitled and will stem tyranny, extremism, intolerance, and violence.

Human Rights First protects people at risk: refugees who flee persecution, victims of crimes against humanity or other mass human rights violations, victims of discrimination, those whose rights are eroded in the name of national security, and human rights advocates who are targeted for defending the rights of others. These groups are often the first victims of societal instability and breakdown; their treatment is a harbinger of wider-scale repression. Human Rights First works to prevent violations against these groups and to seek justice and accountability for violations against them.

Human Rights First is practical and effective. We advocate for change at the highest levels of national and international policymaking. We seek justice through the courts. We raise awareness and understanding through the media. We build coalitions among those with divergent views. And we mobilize people to act.

Human Rights First is a non-profit, nonpartisan international human rights organization based in Strasbourg







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#### **Our Mission**

Human Rights First believes that building respect for human rights and the rule of law will help ensure the dignity to which every individual is entitled and will stem tyranny, extremism, intolerance, and violence.

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### Fake Institution

- Sends spam hoping for links to website
- Site has new graphics and layout, but stolen content (lightly) edited for new context
- Point of site seems to be the job adverts
- Ads are by Google!
- A handful of similar sites known to exist...
  - owner appears to be "Nichifor Valentin" from Tulcea in Romania (cyberdomino.com)

1	EFBFWEB.ORG/JOBS
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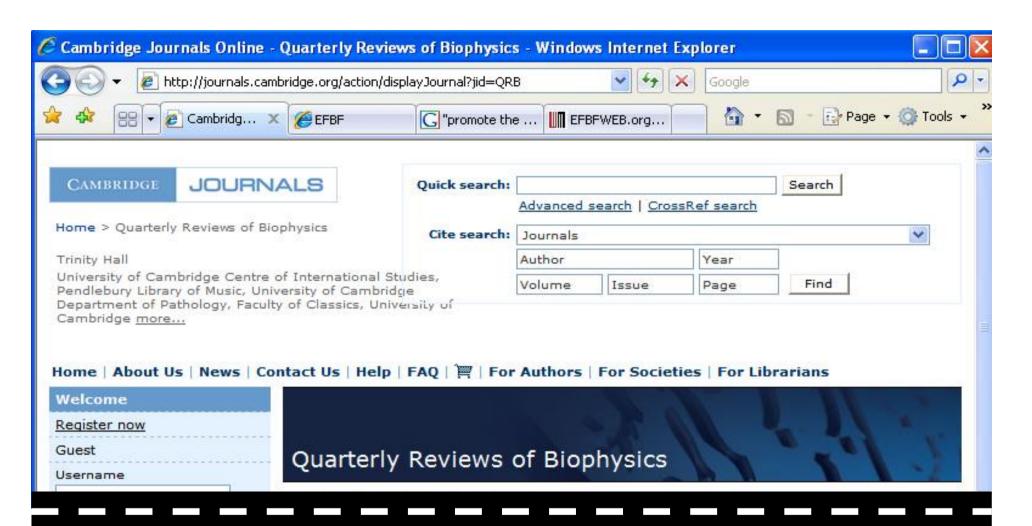


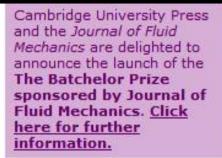
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## European Federation of Biophysics

- The European Federation of Biophysics (EFBF) represents over 100 non-governmental and other not-for-profit organisations interested in the promotion of Biophysics throughout Europe and beyond.
- Visit EFBF websites for more information on EFBF and its activities.
- The purpose of the Federation is to contribute to the general advancement of the science of biophysics research by promoting cooperation in Europe between scientific and technical societies and associations devoted to these areas of activity and by collaborating with similar associations throughout the world.

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### Privila

### **BUILDING THE INTERNET**

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#### Privila Internship Program

Welcome to the Privila Intern webpage! Thank you for your interest in interning with Privila. The Privila Internship Program provides a unique opportunity to gain experience in many areas of Internet Development.

To discover which internship area would best match your qualifications, please reference the following: <u>Telecommute Journalist</u>, <u>In-House Journalist</u>, <u>Software Engineer</u> and <u>Graphics Design</u>.

Privila Internships are unpaid positions and participants are responsible for arranging their own transportation and housing. Approximately 25 interns are chosen each spring, summer, and fall to participate in this unique program.

We invite you to apply. Interns will be selected based on their application and demonstrated interest in their chosen field of study.

Thank you for your interest in the Privila Internship Program. We look forward to hearing from you.

Internship Coordinator

Privila, Inc.

#### INTERNSHIP PROGRAM

Internship Program Internship Perks Positions

Telecommute Journalist In-House Journalist Software Engineer Graphics Design

General Information

FAQ

Privila Environment Internship Experience

### Privila Inc

- Purchasing abandoned domain names
  - creating content to match the domain
  - avoiding cross-linking etc so "pukka"
- Using interns to create content
  - college kids who want a "journalism" CV
  - much is at the High School term paper level ⊗
- Now have over 100 authors, over 250 sites and a LOT of Google Ads which are in many cases the main value of the site 🟵

	Phishing	Fake Escrow	Pills Penis &c	Fake Bank	Fake Institute	Privila Inc
Number per month	thousands	dozens	dozens	handful	few	dozens
Trying to hide?	yes	no	no	no	no	no
Self-similar	yes	yes	yes	a bit	yes	no
Removal	banks & experts	vigilantes	vigilantes	vigilantes	no	no
Adverts	no	no	no	no	yes	yes

### Our research questions

- How do we fix the incentives to prevent phishing from being so effective?
- What algorithms can detect reputation traders, and other covert communities?
- Can community reputation sites make a long-term contribution?
- Is advertising distorting the web?
- What other cool things are there at the boundary of technology and economics?

# Searching for Evil

http://www.lightbluetouchpaper.org

