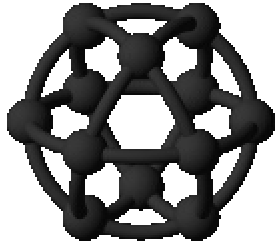


Staying safe on the Internet



Session S02
Secureworld
8/26/2001 6pm

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Agenda

- ◆ Risks
- ◆ Chat
- ◆ Email
- ◆ ICQ and IM
- ◆ Web
- ◆ Stalking
- ◆ Tips
- ◆ References



Risks

- ◆ Exposure to inappropriate material - porn, gory sites
- ◆ Physical molestation
- ◆ Harassment
- ◆ Legal, Financial, Scams & Frauds
- ◆ Privacy
- ◆ Drugs, alcohol, tobacco, bombs and other
- ◆ Gambling
- ◆ Children are naive – for a free gift they will provide any information asked for
- ◆ Inappropriate behavior – sending threats as a joke and so on



Risks

- ◆ Viruses
- ◆ Cookies
- ◆ Security holes
- ◆ Javascript
- ◆ Scrap files (.shs)



Chat rooms & IRC

- ◆ Let you talk to groups of people all around the world
- ◆ This generations version of the phone
- ◆ Public, private or IRC
- ◆ Some have monitors, most do not – watch for computers
- ◆ Most dangerous area of the net
 - ◆ You don't know who is there (actively or lurking)
 - ◆ You establish a relationship and trust over time
 - ◆ Pedophiles use them to find victims
 - ◆ People lie
- ◆ They often progress to IM and email where you are now one on one
- ◆ Watch out for rooms associated with sex, cults, ritual
- ◆ Choose a vendor neutral screen name
- ◆ Turn on logging
- ◆ Web chat is still chat (yahoo & AOL teen chat)



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Email

- ◆ Treat it like a postcard
- ◆ One to one communications
- ◆ Spam
 - ◆ Never reply as you confirm your address
- ◆ Use inbox protection (hotmail) or filtering and/or blocking
- ◆ Never say anything that you wouldn't say in public
- ◆ Remember ISPs back this stuff up



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Email Abuse

- ◆ Spam
- ◆ Scams
- ◆ Flaming
- ◆ Harrassment and stalking
- ◆ Spoofing
- ◆ Mail bombs
- ◆ Viruses
- ◆ Chain letters
- ◆ Pornography
- ◆ Photos
- ◆ Inline html and/or pdfs



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Email sent to 12 year old

In one month there were over 55 of these in the hotmail account
Only received 2 to yahoo in the same time

SEE BEST ADULT SITE ON THE NET NOW!!
Sex & Romance The Men of the Internet!
lovely696969@hotmail... Do you want to join me????
DO YOU NEED TO GET OFF?
loverrrrr069@hotmail... Are you ready for some fun???
HORNY TONIGHT?
ARE YOU HORNY TONIGHT ?
EARN UP TO \$1300 OR MORE PER WEEK!!
DO YOU LIKE SEX?



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Sample Email

From: "barry dickinson" <indian_dream@hotmail.com> Save Address - Block Sender
To: ?????@hotmail.com
Subject: welcome ????
Date: Tue, 11 Jul 2000 00:34:11 BST

MIME-Version: 1.0
X-Originating-IP: [195.92.67.72]
Received: from 195.92.67.72 by www.hotmail.com with HTTP; Mon, 10 Jul 2000 16:34:11 PDT

hello there,

so you wanted me as a contact, why springs to mind? didn't your mum tell you not to talk to strangers. well that's all really, maybe chat to you when you're online, maybe not?

bye-z-bye

barry



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santaca_2000

SEP 12
Hi,

Glad that u dripped over me and wished i were online when u wanted me there. Sorry that i missed u. But sure will catch ya. HHHAAAAliiii, did amy know that we cyber?? Do u share about our dripping with her? Also, i dripped in u yesterday night. U were awesome and great. Looking for fun when we meet again.

Bye,
Ravi

OCT 4

Hi,

Am sorry when you send message in msn messenger I was out for lunch.

Sorry again. Looking forward to talk to you soon.

Thanks.

OCT 12

Hi,

How are you. It has been a long time since we met. Looking forward to talk again. Bye



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ARRESTED NOV 2000

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Newsgroups, BBS's

- ◆ Not real time
- ◆ You post a message and wait for a reply
- ◆ Remains there in perpetuity and can be searched at www.deja.com
- ◆ Your email address is stored with the message and saved there
- ◆ Some are very useful, others scary



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ICQ and IM (instant messaging)

- ◆ Unique identifier associated with profile
- ◆ Real time – more IM than email
- ◆ Blend of email and chat
- ◆ ICQ was the forefather to IM
- ◆ Runs in background and notifies you when there is a message
- ◆ Buddy list – a notify list of friends



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The Dark Side of IM

- ◆ Protect your buddy list - set it so you have to approve the addition of anyone to it
- ◆ People can add you to their buddy list and then keep track of when you are online
- ◆ Set your options so others can't add you to their buddy list
- ◆ Predators love buddy lists
- ◆ They also love being able to search profiles and membership directories



Profiles & Directories

- ◆ At yahoo you can search the directory by:
 - ◆ Keyword
 - ◆ Gender
 - ◆ Age
 - ◆ Interests
- ◆ Requesting profiles with pictures
- ◆ Asking whether they are online now
- ◆ Check out www.icq.com - search on yourself
- ◆ Never fill these out truthfully
- ◆ Predators use these to determine victims



Cyberstalking – what is it

- ◆ Can be harrasing or threatening emails
- ◆ Postings to news or lists or on the web about you
- ◆ Mass unsolicited email – a favorite is to subscribe you to listservs against your political/religious beliefs
- ◆ It does happen even to people who never go online
- ◆ Identity theft
- ◆ Mail spoofed as if you sent it
- ◆ Viruses sent to you
- ◆ Hacking attempts
- ◆ You name it – they'll try it
- ◆ It can escalate to offline encounters



Cyberstalking – what to do

- ◆ Don't respond to flames
- ◆ Don't flirt online – it escalates very quickly
- ◆ It does happen even to people who never go online
- ◆ From www.ccmmostwanted.com
 - ◆ Use a PO Box for mailing – even on your checks
 - ◆ Use an unlisted and unpublished telephone number
 - ◆ Use encrypted email
 - ◆ Change your password regularly and don't write it down
 - ◆ Change your username immediately
 - ◆ Use an ambiguous username
 - ◆ Save all messages and record dates and times
 - ◆ Contact one of the agencies such as National Victims Center, Cyberangels, WHOA and get advice and help



Privacy

- ◆ Use www.theultimate.com/white to search on yourself -make sure you code the URL correctly
- ◆ It is illegal to intentionally transmit name, address, phone, SSno or email info of a child under 16 to entice, encourage or solicit illegal sexual activity
- ◆ Know how information is being shared
 - ◆ Registration information for products such as MS Word
 - ◆ Opt out versus opt in
 - ◆ Win ME – control panel – automatic updates
 - ◆ Realplayer
 - ◆ Winamp
 - ◆ Media Player
 - ◆ Napster
 - ◆ 3D Frog Frenzy and many more
- ◆ Have a yahoo or other email address just for registrations, etc



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Tips to staying safe

- ◆ Keep your computer safe
 - ◆ Buy an antivirus program & keep it up to date
 - ◆ Always run your virus program against any downloaded software
 - ◆ Make your browser warn you when someone wants to put a cookie on your drive & check & remove them
 - ◆ Run a personal firewall
 - ◆ Update your browser and other programs regularly – particularly the security patches
 - ◆ Disable Java and Javascript except for from trusted sites
 - ◆ Teach your kids and others never to download things I.e. don't accept gifts from strangers



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Personal Firewalls

- ◆ Do a search on the web for “personal firewall”
- ◆ Critical if you are using DSL or Cable Networking but it does happen to people dialed in
- ◆ Blackice Defender
 - ◆ www.networkice.com
- ◆ Zone Alarm
 - ◆ www.zonelabs.com
- ◆ Norton Personal Security
 - ◆ www.symantec.com & security2.symantec.com
 - ◆ Scan yourself with their security scanner on the web
- ◆ McAfee Personal Firewall
 - ◆ www.mcafee.com



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Tips to staying safe

- ◆ Keep your identity private
 - ◆ Never give out name, address, phone
 - ◆ Don't mention your city or school & never provide photos
 - ◆ Lie in your online profile
 - ◆ Use a gender neutral screen name
 - ◆ Don't reveal anything about your friends either
- ◆ Never get together with someone you meet online
 - ◆ Online dating – meet in a public place and take a friend
- ◆ Never respond to email, chat, messages that are hostile, inappropriate or make you feel uncomfortable
- ◆ Never give out your password and don't let others post from your account/computer EVER



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Tips to staying safe

- ◆ Don't list yourself in the members directory at your ISP or yahoo, ICQ, IM
- ◆ Keep an eye on your IM buddy list – secure it
- ◆ Email yourself and check the headers – what did you give away
- ◆ Be careful what you put in the registration files for things like Office – they get embedded in any documents
- ◆ If email needs to be confidential use PGP and encrypt it



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FTC Dirty Dozen

12 Scams most likely to arrive via Bulk Email

1. Business Opportunities
2. Bulk email trying to sell you things
3. Chain letters usually involving money
4. Work-at-home schemes
5. Health and diet scams
6. Effortless income



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FTC Dirty Dozen

12 Scams most likely to arrive via Bulk Email

7. Free Goods
8. Investment Opportunities
9. Cable descrambler kits
10. Guaranteed loans or credit on easy terms
11. Credit Repair
12. Vacation prize promotions

Nigerian Scam – they offer you millions of govt money
Call 1-877-FTC-HELP to get info or file complaints
www.ftc.gov is the website



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Telephone Scams

- ◆ You get an email stating you need to call a number or they will take legal action regarding a debt
- ◆ Don't call – a credit agency should send a letter
- ◆ If you call you will probably find it is not a toll free number and your next bill you will have a \$25 per minute charge on it
- ◆ Suspect area codes:
 - ◆ 758, 787, 869, 876
 - ◆ 441, 242, 246, 268
 - ◆ 345, 809
 - ◆ And many many more



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Shopping

- ◆ Be as careful as you would be in a store
- ◆ Make sure it is https, not http
- ◆ Print a copy of the online order
- ◆ Use only one card for all online purchases
- ◆ Check out new companies with the Better Business Bureau
- ◆ If an offer looks too good to be true then guess what



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Parents Extras

- ◆ Have your child set up an account for you
- ◆ You should be the only one with the dial in password
- ◆ Make sure they don't turn on Parental Controls or filtering
- ◆ Understand the services
- ◆ Monitor your kids activities – no computers outside of public places
- ◆ Limit computer time
- ◆ Sign a family internet usage agreement
- ◆ Human friends are better than computers and healthier
- ◆ Don't post pictures of your kids anywhere on the web
 - ◆ They will turn up in kiddy porn later
 - ◆ If you must post them do it in groups with no names or addresses
 - ◆ Make sure the school isn't putting up photos of your child with identifying information
 - ◆ Watch out for those "build an autobiographical website" projects



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www.haltabuse.org/tips.html 1/2

- ◆ Select a gender neutral username
- ◆ Keep your real email address private
- ◆ Get a free email account (hotmail, junio, yahoo)
- ◆ Don't fill out profiles – if they make you put your age or sex – lie
- ◆ Block, filter or ignore unwanted users
- ◆ Never defend yourself
 - ◆ You will be flamed
 - ◆ it is better to change screen identities
- ◆ Lurk before posting or speaking



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www.haltabuse.org/tips.html 2/2

- ◆ Watch what you say online
- ◆ Make sure you know what is in your signature file
- ◆ Get a free fax/voicemail number
- ◆ Get a PO box
- ◆ Get an unlisted telephone number
- ◆ Get callerid
- ◆ Search for yourself and your kids regularly at Yahoo, google, dogpile and deja
- ◆ Never share your password
- ◆ No pictures online anywhere and don't let your kids school put your kids picture up



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References

- ◆ www.ccmstwanted.com/safetyguide.htm
- ◆ www.haltabuse.org
- ◆ www.cyberangels.org
- ◆ www.network-tools.com
- ◆ www.mivictims.org
- ◆ www.safeteens.com
- ◆ www.safekids.com
- ◆ www.identitytheft.org
- ◆ www.bbb.org
- ◆ www.wiredteens.org
- ◆ www.wiredkids.org



References

- ◆ www.scambusters.org
- ◆ www.fraud.org (National Fraud Information Ctr)
- ◆ www.scamwatch.org
- ◆ National Center for Missing/Exploited Children 1-800-8435678 – report any kiddy porn here ASAP
- ◆ Web site for above is www.ncmec.org
- ◆ Parry Aftab – The Parents Guide to Protecting your Children in Cyberspace – ISBN 0071357521
- ◆ Kid Friendly search engines
 - ◆ www.yahooligans.com
 - ◆ www.ajkids.com



Summary

- ◆ Teach yourself and your kids to be safe
- ◆ Remember that the Cyberworld poses the same risks as the real world – never do something on the net that you wouldn't do normally
- ◆ Common sense is worth more than banning use
- ◆ If you get stuck – ask a 12 year old for help
- ◆ Have a family agreement about internet use – see www.cyberangels.org/cdm/safety/agreement.html

