Objectives

- This set of notes supplements CSH6 Chapter 31
- However, the materials do not correspond to the structure of the chapter
- Much of this slide deck is devoted to exploring the functional requirements and difficulties of schools and public libraries
- There are detailed notes for some of the slides – you can use the NOTES format to view them with the slides
Topics

- Case Study: Schools and Public Libraries
- Corporations
- Filtering Technology
- Management Alternatives
Case Study: Schools and Public Libraries

- Problems on the Internet
- Responsibilities to Stakeholders
- Legal Context
- Political context: conflicting pressures
Problems on the Internet

- Pedophiles
- Hate groups
- Pornography
- Plagiarism
- Stolen music & video
- Warez
- Viruses
- Criminal hackers
- Games
Pedophiles

- Misrepresentation as youngsters
- Chat rooms
- E-mail
- Video films
- Bus/Airline tickets -- meetings
Hate Groups

- Growing movements across world
- Anti-everything
  - racist
  - anti-Catholic, anti-Jewish, anti-
  - homophobic
- Recruiting young people through Web
  - hate-rock
  - propaganda
Pornography

- Widespread – massive amount of content
- Misleading URLs
  - trademark violations, variant domains
    - http://www.whitehouse.com (still active)
  - misspellings
    - http://www.micosoft.com (no longer active)
- Junk e-mail invitations
  - e.g., new CompuServe accounts receive invitation for Russian porn from St Petersburg
Plagiarism

- Buy / trade copies of essays, term papers
  - wide range of subjects, styles
  - choose your preferred grade (A+, B-. . .)
- Write-to-order
  - graduate students
- Anti-plagiarism sites available for teachers
  - check student paper against database of stolen papers
Stolen Music & Video

- Napster, MP3, Gnutella, Wrapster. . . .
  - trading copies of music
  - most without permission – copyright violations
  - lawsuits against companies & individuals
  - Gnutella, Wrapster extending trades to other files

- Problems
  - bandwidth saturation – many colleges
  - legal liability
Warez

➢ Stolen software
  □ violation of copyright law
  □ often virus-infected
  □ many Trojan Horse programs

➢ Sites
  □ warez exchanges
  □ individual exchanges
  □ electronic auction services

➢ Severe penalties for school systems
  □ Los Angeles: $5M fines
Malware

- Self-replicating code
  - program infectors
  - boot-sector viruses
  - Internet-enabled worms
- Non-replicating code: Trojan Horse programs
- Sources
  - accident
  - deliberate infection
  - virus-exchange sites
- Damaging
  - availability, integrity, confidentiality
Criminal Hackers

- Propaganda
  - USENET groups
  - Web sites
  - Printed magazines
  - Regular meetings (2600)

- Appeals to kids
  - Group affiliation
  - Rebellion
  - Power
  - Video-game syndrome
NEWS

10.18.2000 HOW MANY LEGAL THREATS CAN WE GET THIS YEAR?

Since we've been publishing controversial material since 1984, we think we're in a good position to put things in perspective. And right now, there is an epidemic of legal activity on the part of large corporations like we've never seen before. We got yet another threat today.

[Read More]

10.04.2000 H2K LEFTOVERS

We're clearing out everything left over from the H2K conference including shirts, hats, and stickers. Full details at our online store.

10.03.2000 YET ANOTHER LEGAL THREAT

Read about the story behind www.guinnessrecords.com.

[Read More]

10.02.2000 WHY VERIZON REALLY SUCKS

If ever there was a reason to dismantle
Warning:

This site may contain explicit descriptions of or advocate one or more of the following:

adultery, murder, morbid violence, bad grammar, deviant sexual conduct in violent contexts, or the consumption of alcohol and illegal drugs.

Then again, it may not.

Who knows?

enter graphical site

enter text-only site
Games

- Cooperative multiplayer games
  - Quake
  - Doom
  - Gambling
- More a nuisance than a danger
  - high bandwidth utilization
Responsibilities to Stakeholders

- Schools
  - Provide access to information
  - Protect children against abuse
  - Respect wishes of parents
  - Comply with educational standards

- Libraries
  - Provide access to information
  - Comply with legal requirements against illegal materials
  - Avoid violating 1st Amendment
Corporations

- Private industry can regulate use of corporate assets
- Key issue is policy awareness
  - Policy must be clear and unambiguous
  - All employees must know and understand the policies on appropriate use
  - Policies compliance must be monitored and enforced consistently
- Failure to protect employees against exposure to offensive materials may be grounds for tort: hostile work environment
Costs of Inappropriate Use of Internet Access

- Massive costs
- Some cases where 20-40% of user time spent misusing Internet access
- Gross waste of resources and wages
- Demoralizes hard-working staff
- Decreases respect for lax management
- Increases petty violations of other policies and rules (e.g., theft of supplies)
Technology

- Monitoring
  - tools for reviewing what users are doing on the Net
- Filtering
  - tools for limiting what users are doing on the Net
Automatically Record Everything They Do On The Internet

Spector Pro 5.0
Powerful Monitoring, Extreme Ease of Use
Records Every Exact Detail of their PC and Internet Activity.

PC Magazine Editors’ Choice
Spector Pro combines powerful monitoring features with extreme ease of use, making it the ideal choice for home users and small businesses. Records emails, chats, IMs, keystrokes, web sites, plus provides screen snapshots, Internet blocking and danger alerts.

eBlaster 5.0
Remote Monitoring Software
Knowing EVERYTHING They Do Online is as Easy as Checking Your Email.

Install eBlaster on the computer you wish to monitor and start receiving copies of every email sent and received on that PC. -- PLUS -- Receive complete transcripts of all chat conversations and instant messages that take place on the monitored PC. All sent to YOUR Email address.

Spector CNE
Corporate Network Edition
Record, Archive and Review your Employees’ PC and Internet Activity.

Spector CNE records your employees’ emails, chats, web sites visited and keystrokes typed. Whether you want to monitor ten employees or thousands, you’ll be able to remotely deploy, manage and configure Spector CNE over your company’s network.

PC Magazine Double Award Winner
PC Magazine has now selected Spector Pro as its Editors’ Choice for Best Monitoring Software TWICE (in ’02 and ’04) stating “Spector Pro offers the most powerful and complete assortment of monitoring and reporting tools.”

Order Toll Free
1-888-598-2788
We want to talk to you... We’re here 7 days a week to answer your questions. Monday-Friday 9am-10pm Saturday-Sunday 10am-6pm
(all times are eastern)

A 2004 Inc 500 Company
SpectorSoft has been named as one of the 500 Fastest Growing Private Companies in America by Inc. Magazine. The ranking covers annual growth rate spanning a four-year period from 2000 to 2003.
SpyBuddy Spy Software
Our most popular spy package!
SpyBuddy captures all user activities both online and off. Including new AOL, chats, instant messages, emails, and all keystrokes and websites visited! $49.99

Learn More
NetObserve Remote Spy
Our most powerful monitoring program!
(Remote Internet Spy Software)
Records keystrokes and Internet usage activities Remotely! All records are viewable through your web browser!
$54.95
Learn More
WebMail Email Spy

WebMail Spy records Web-based E-Mail! WebMail Spy is a powerful, discrete monitoring software application which will record and store web-based e-mail messages from Hotmail, Yahoo Mail, Go Mail, AOLMail and many others. $39.99

Learn More
iSpyNow Remote Install
Spy
iSpyNow is the first remote install computer monitoring product offered anywhere! iSpyNow spy software installs through an email attachment. You will simply not find this software anywhere else! $79.95
Monitoring

- Audit trails
  - disk files
  - browser URL trail
  - browser disk cache
  - anti-virus products
  - anti-game software
  - anti-MP3-music software

- Real-time alerts
  - Web page
  - suspect e-mail content

- Human inspection
  - remote-access software
  - supervising by walking around
Filtering

- Anti-virus products
- Firewalls
- Self-rating & filtering proposals
- Censorware
Firewalls

- Corporate
  - Can block access to specific types of traffic
  - E.g., P2P file/music/video sharing
  - Often integrates antivirus capabilities

- Workstation firewalls
  - Zone-Alarm
  - BlackIce
  - Norton
  - McAfee
Self-rating & Filtering Proposals

- ICRA – Internet Content Rating Association
  - RSACi system
  - already works with common browsers
- PICS – Platform for Internet Content Selection
- Fundamental question:
  - Why would objectionable sites rate themselves at all?
# RSACi Standards

<table>
<thead>
<tr>
<th>Level</th>
<th>Violence Rating Descriptor</th>
<th>Nudity Rating Descriptor</th>
<th>Sex Rating Descriptor</th>
<th>Language Rating Descriptor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Level 4</td>
<td>Rape or wanton, gratuitous violence</td>
<td>Frontal nudity (qualifying as provocative display)</td>
<td>Explicit sexual acts or sex crimes</td>
<td>Crude, vulgar language or extreme hate speech</td>
</tr>
<tr>
<td>Level 3</td>
<td>Aggressive violence or death to humans</td>
<td>Frontal nudity</td>
<td>Non-explicit sexual acts</td>
<td>Strong language or hate speech</td>
</tr>
<tr>
<td>Level 2</td>
<td>Destruction of realistic objects</td>
<td>Partial nudity</td>
<td>Clothed sexual touching</td>
<td>Moderate expletives or profanity</td>
</tr>
<tr>
<td>Level 1</td>
<td>Injury to human being</td>
<td>Revealing attire</td>
<td>Passionate kissing</td>
<td>Mild expletives</td>
</tr>
<tr>
<td>Level 0</td>
<td>None of the above or sports related</td>
<td>None of the above</td>
<td>None of the above or innocent kissing; romance</td>
<td>None of the above</td>
</tr>
</tbody>
</table>
Censorware

➢ Types
  ❑ Site-specific exclusion
    ✓ lists of forbidden sites – updated often
  ❑ Content recognition
    ✓ lists of forbidden terms
    ✓ nudity-recognition algorithms

➢ Problems
  ❑ very high false-positive rates (rejecting sites unrelated to targets)
  ❑ political bias (rejecting educational sites whose philosophy the makers reject)
CyberPatrol's world leading parental control software helps you choose when and how your kids use the Internet – even when you can't be there!

- Block harmful websites and newsgroups
- Monitor and view users' web surfing
- Restrict chat and instant messaging
- Filter search engine image results
- Manage time online and access to programs
- Control program downloads
- Protect personal identity
- Automatic Windows User Name Login

FREE Upgrade

Buy now! USD $39.93
GBP £21.95
Euros €31.95

Do I pay Sales Tax/YAT?

FREE 14-day Trial - TRY IT!

CyberPatrol is recommended by Lee Hudson
The program’s user interface is altogether straightforward, efficient, and easy to use.

TNPCnewsletter.com

Schools Businesses Libraries Home
CYBERsitter wins the highly coveted PC-Magazine "Editors' Choice" award for 2004, the fourth consecutive year, and an unprecedented five times since 1997.

Read the full review here!
CYBERsitter 9.0 Product Overview

**New Version!** CYBERsitter 9.0 is designed primarily for home, educational and small business use. Even though CYBERsitter has been designed to be easily installed and used by the most inexperienced users, there are plenty of advanced features for power users too.

**New Features!** Now records all Instant Messenger chat conversations for AOL (AIM), and Yahoo Messengers. Now you can know who your kids are chatting with to ensure that they are not communicating with strangers. Several new security enhancements have also been added for Windows 2000/XP users.

CYBERsitter provides over 30 categories of filtering making it the most complete Internet filter available. Filters are updated automatically, and there are no subscription charges. A sophisticated "content recognition" system recognizes and blocks new objectionable web sites even before we know about them.

CYBERsitter allows parents to override blocked sites, add their own sites to block, specify allowable times to access the Internet, and maintains a detailed log of all Internet activity and violations. It will even send a daily report to parents by e-mail.

**Security**

Many kids are much more computer literate than their parents. We recognize this, and the program is designed with this in mind. CYBERsitter has the most advanced anti-tampering functions available. Password protected, the settings you choose cannot be modified by even the most determined users. Advanced security features are available within the program to make it even more difficult to attempt to defeat or override the intentions of the parent or supervisor. Would you like to scan your PC for free to see if porn has been accessed? Click here!

CYBERsitter runs secretly in the background, always analyzing Internet activity, and can be configured to be completely invisible to the user and still accessible by the parent or supervisor.
Legal Context: Disclaimer

➢ I am not a lawyer and this is not legal advice.

➢ For legal advice, consult an attorney with expertise in the area of law of concern to you who is licensed to practice law in your jurisdiction.
Legal Context: First Amendment Law (USA ONLY)

- Complex area – much subtle reasoning
- Ultra-simple summary:
  - Who cannot censor speech?
    - governments acting against others as sovereign to control unprotected speech
    - governments acting against protected speech
  - Who can censor speech?
    - governments controlling their own speech or that of their agents
    - within limits, anyone else dealing with private speech on their own property
Legal Context (cont’d)

How do we decide if restrictions are constitutional or unconstitutional?

- Determine capacity in which government is acting
- Determine degree of protection of specific speech
Determine Capacity

- Sovereign – least power to regulate speech
- Employer – can regulate speech
- Proprietor – can regulate
- K-12 educator – broad but not unlimited power
- University educator – less discretion to control
- Speaker – complete power to control speech
- Subsidizer – complete power
Determine Protection

- Constitutionally valueless speech
  - deliberate or reckless falsehoods
  - obscenity (difficult issue)
  - child pornography
  - incitement to lawless conduct
  - threats
  - criminal solicitation or conspiracy

- Intermediate protection
  - commercial advertising that is not false or misleading
  - sexually explicit but not obscene speech
Obscenity & Indecency

- Obscenity
  - Average person
  - Community standards
  - Patently offensive
  - Prurient interests
  - Lacking in serious value
  - *Not* protected by 1st Amendment

- Indecency
  - Primarily regulated for children
  - Protected by 1st Amendment

---

- Literary
  - Artistic
  - Political
  - Scientific

- Child porn – felony
  - Making
  - Transmitting
  - Storing
Determine Protection (cont’d)

- Fully-protected: all other speech
  - political, social, religious, philosophical, scientific
  - art, literature, music, poetry
  - jokes, gossip, entertainment, casual chat
Political Context: Conflicting Pressures

➢ For filtering
  □ concerned parents
  □ right-wing
  □ religious fundamentalists

➢ Against filtering
  □ concerned parents
  □ libertarians
  □ civil liberties advocates
  □ privacy activists
IFI News Release: Decency Advocates Respond to FCC Consent Decree

9/14/2004 12:14:00 PM  
By David E. Smith, IFI Senior Policy Analyst

GLEN ELLYN, Ill.--The Illinois Family Institute, issued the following release in response to the August 12th consent degree between Emmis Broadcast Corporation and the Federal Communications Commission:

Last month in a Consent Decree, broadcast giant Emmis Communications Corporation "voluntarily" agreed to pay the US Treasury $300,000 in order to settle dozens of broadcast indecency complaints filed against at least two radio stations it owns. At issue were numerous broadcasts by Chicago's WKQX and St. Louis' KQNT. In response to this action, a "Petition for Reconsideration" was filed late yesterday by Attorney Dennis J. Kelly objecting to this agreement. The petition asks that the August 12th Consent Decree be vacated, in part because the "Commission has no authority to sell a renewal of license to a party such as Emmis, nor does it have any authority to sell a party a finding of basic character qualifications."

David Smith, Julie A. Cordy, the Illinois Family Institute, and Concerned Women for America of Illinois have decided to file an official objection to the Consent Decree between the Federal Communications Commission and Emmis because it is believed that the FCC has overstepped its authority.

The primary allegations of wrong doing come from two separate people in two different communities. The petition filed by Attorney Dennis J. Kelly notes that Emmis agreed to this Consent Decree without the input of the community. The petition notes that the decision does "not involve the public interest, convenience or necessity which would normally be a requirement of the Commission." The petition by Attorney Kelly notes that Emmis' actions have now been "sanctioned" by the FCC and notes that there will be no opportunity for the FCC to review its decision.

The Licensing Committee of the Illinois Family Institute noted its involvement in the FCC Proceedings involving Emmis' radio stations. "The Illinois Family Institute has written the FCC several times about the Emmis radio stations, and while we have received no official response, we have been informed that the FCC has taken our concerns under advisement. It would seem that for Emmis to be able to market itself as a 'consent decree' follower, the FCC needs to have informed the public and taken the proper steps to review the facts and overturn the consent degree. If a party who is not represented by counsel is able to enter a consent decree without the public being informed and without a review, it is not in the public interest, and should be overturned. The proceeding brought by Attorney Dennis J. Kelly is based upon these facts."
ACLU Files Motion to Open Hearing In Case of FBI Whistleblower

The ACLU filed an emergency motion to open the D.C. Circuit Court of Appeals to the public during oral arguments Thursday in a hearing over the termination of Sibel Edmonds.

READ MORE ABOUT THE CASE >>

Homeland Security Violates Civil Rights

The NYCLU, the ACLU and Council on American-Islamic Relations have charged in a lawsuit that the Department of Homeland Security violated the rights of Muslim Americans returning from Toronto.

ACLU RENEWS CALL FOR PATRIOT ACT CHANGES >>

Records Show Command Approved Abuse

New evidence disclosed in documents released by the Department of Defense confirms that soldiers who abused prisoners were acting with the "seeming approval" of senior command.

READ THE RELEASED DOCUMENTS >>

Students Making a Difference

This year's Youth Activist Scholarships were awarded to:
Recommendations: Schools & Libraries

- Define standards of acceptable use for children, students, teachers and staff
  - important issue is the discussion
  - safeguard children against harm
  - respect other people
Recommendations (cont’d)

- School/Library Internet oversight group
  - include all concerned
    - students
    - parents
    - teachers
    - staff
  - explicitly discuss each issue
    - protecting children against bad people
    - protecting others against children
    - intellectual property rights
    - training in critical thinking
Recommendations (cont’d)

- Provide educational resources for all concerned
  - acceptable-use guidelines
  - limited expectation of privacy
  - pamphlets
  - URLs
Recommendations (cont’d)

- At home, in libraries and schools
  - Use supervision-by-walking-around
- Install *monitoring* software, not *blocking* software
- Discuss infractions with all concerned – parents, students, staff, teachers
DISCUSSION