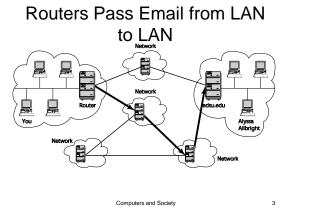
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Networked Communications Email Spam and Censorship

Notice: This set of slides is based on the notes by Professor Guattery of Bucknell and by the textboo author Michael Quinn	
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Email and Spam



The Spam Epidemic (1/3)

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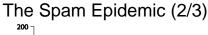
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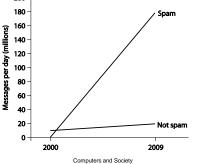
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- · Spam: Unsolicited, bulk email
- Spam is profitable
 - More than 100 times cheaper than "junk postal mail"
 - Profitable even if only 1 in 100,000 buys product
- Amount of email that is spam has ballooned – 8% in 2001
 - 90% in 2009

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The Spam Epidemic (3/3)

- · How firms get email addresses
 - Web sites, chat-room conversations, newsgroups, social networks
 - Computer viruses harvest addresses from PC address books
 - Dictionary attacks
 - Contests

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- Most spam sent out by bot herders who control huge networks of computers
- Spam filters block most spam before it reaches users' inboxes

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Need for Socio-Technical Solutions

- New technologies sometimes cause new social situations to emerge
 - Calculators \rightarrow feminization of bookkeeping
 - Telephones \rightarrow blurred work/home boundaries
- · Spam an example of this phenomenon
 - Email messages practically free
 - Profits increase with number of messages sent
- Strong motivation to send more messages
 Internet design allows unfair, one-way
- communications

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Case Study: Ann the Acme Accountant

- Ann: Accountant at Acme Corporation
- · She distributes paychecks to all 50 employees
- Ann sends email advertising Girl Scout cookie sale
- 9 recipients order cookies; average 4 boxes
 each
- Other 40 recipients unhappy to get email; half complain to a co-worker

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· Did Ann do anything wrong?

Kantian Analysis

- We should always respect autonomy of others, treating them as ends in themselves and never only as the means to an end (2nd formulation of Categorical Imperative)
- Ann didn't misrepresent what she was doing
- She didn't force anyone to read the entire email
- · Some who read her email chose to order cookies
- Therefore, she didn't "use" others, and her action was not strictly wrong
- · An "opt in" approach would have been better
 - Really? (think of the case of the "cabin boy" on the open sea ...)Is "opt in" a spam?

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Act Utilitarian Analysis

- Benefit to Girls Scouts = \$108
 \$3 profit per box of cookies
 - \$3 profit per box
 - 36 boxes sold
- Harm to company: time wasted
 - Orders taken during breaks
 - Lost productivity from complaining: \$70
 - 20 employees ×2 ×5 minutes/employee = 200 minutes
 3.5 hours ×\$20/hour = \$70
- · Benefits exceed harms, so action good
- Company may create policy against future fundraisers

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Rule Utilitarian Analysis

- Q: What would be consequences of everyone in company used email to solicit donations?
- A: Plenty of employee grumbling and lower morale
- If all doing it, unlikely any one cause would do well
- Harms greater than benefits, so Ann's action
 was wrong

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Social Contract Theory Analysis

- Acme Corporation has no prohibition against using its email system this way (social contract?)
- · Ann was exercising her right to express herself
- Some people didn't appreciate message, but she didn't act like a spammer
 - She didn't conceal her identity
 - She wasn't selling a fraudulent product
- · Ann did nothing wrong

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Summary

- Analyses reached different conclusions, but Ann could have taken a less controversial course
- She could have posted a sign-up sheet to identify those interested in cookie sale
- That way, she would have sent email only to those interested, avoiding the problems of grumbling and lost productivity

Any Comments or Thoughts?

• Do you receive electronic solicitation for purchasing products or joining some organizations?

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		Governmental Control: Too Much or Too Little?
Censorship on the Interne	ət	 Burma (Myanmar), Cuba, North Korea: Internet virtually inaccessible It appears no longer true for Myanmar http://en.wikipedia.org/wiki/Internet_in_Burma http://www.forbes.com/sites/techonom//2013/11/05/myanmar s-promising-experiment-with-internet-freedom/ Cuba's case is evolving http://en.wikipedia.org/wiki/Internet_in_Cuba http://www.cnn.com/2013/08/05/world/americas/cuba-online-access/
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Governmental Control: Too Much or Too Little?

- Saudi Arabia: centralized control center
- People's Republic of China: "one of most sophisticated filtering systems in the world" as well as censorship
 - http://en.wikipedia.org/wiki/Golden_Shield_Project
- · Germany: Forbids access to neo-Nazi sites
- United States: Repeated efforts to limit access of minors to pornography

Forms of Direct Censorship

- Government monopolization
- Prepublication review
- · Licensing and registration

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Self-censorship

- · Most common form of censorship
- · Group decides for itself not to publish
- Reasons
 - Avoid subsequent persecution
 - Maintain good relations with government officials (sources of information)
- Ratings systems created to advise potential audience
 - Movies, TVs, CDs, video games
 - Not the Web

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Challenges Posed by the Internet

- · Many-to-many communications
- · Dynamic connections
- · Huge numbers of Web sites
- · Extends beyond national borders and laws

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 Hard to distinguish between minors and adults

Ethical Perspectives on Censorship

· Kant opposed censorship

- Enlightenment thinker
- "Have courage to use your own reason"
- Mill opposed censorship
 - No one is infallible
 - Any opinion may contain a kernel of truth
 - Truth revealed in class of ideas
 - Ideas resulting from discourse are more influential

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Mill's Principle of Harm

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"The only ground on which intervention is justified is to prevent harm to others; the individual's own good is not a sufficient condition."

Your	Thoughts	and C	omments?

• Certain forms of censorship help cleaning the communications media, including the internet and the web?

Freedom of Expression

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Freedom of Expression: History

- De Scandalis Magnatum (England, 1275)
- Court of Star Chamber
- 18th century
 - No prior restraints on publication
 - People could be punished for sedition or libel
- American states adopted bills of rights including freedom of expression
- Freedom of expression in 1st amendment to U.S. Constitution

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1st Amendment to U.S. Constitution

Congress shall make no law respecting an establishment of religion, or prohibiting the free exercise thereof; or abridging the freedom of speech, or of the press; or the right of the people peaceably to assemble, and to petition the government for a redress of grievances.

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Freedom of Expression
Not an Absolute Right

- 1st Amendment covers political and nonpolitical speech
- Right to freedom of expression must be balanced against the public good
- Various restrictions on freedom of expression exist

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Jeremy Jaynes



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

Jayne's Email Spam Story

Jeremy Jaynes (born 1974) was a prolific <u>e-mail spammer</u>, broadcasting junk e-mail from his home in <u>North Carolina</u>, <u>United States</u>. He became the first person in the world to be convicted of "felony spam," i.e., convicted of a felony for sending spam without allegation of any accompanying illegal conduct such as <u>theft</u>, <u>fraud</u>, <u>trespass</u>, <u>defamation</u>, or <u>obscenity</u>. His conviction was later overturned by the Virginia Supreme Court ruling unanimously the law Jaynes was prosecuted under violated the First Amendment. On March 30, 2009, the <u>Supreme Court of the United States</u> refused the Virginia Attorney General's petition for a writ of certiorari to review the decision of the Supreme Court of Virginia overturning the antispam statute. Jaynes never served any of his prison sentence for the overturned conviction.

> http://en.wikipedia.org/wiki/Jeremy_Jaynes Computers and Society

FCC v. Pacifica Foundation et al.

- George Carlin records "Filthy Words"
- WBAI in New York airs "Filthy Words" (1973)
- FCC issues declaratory order to Pacifica
- · Pacifica sues
- U.S. Supreme Court ruled FCC did not violate 1st Amendment (5-4 decision)
 - Broadcast media "uniquely pervasive"
 - Broadcasting uniquely accessible to children

http://en.wikipedia.org/wiki/George_Carlin http://en.wikipedia.org/wiki/F.C.C. v. Pacifica_Foundation Computers and Society

Case Study: Kate's Blog

- Kate: Maintains a popular "life on campus" blog
- · Jerry: Another student; active in Whig Party
- At private birthday party, someone gives Jerry a Tory Party T-shirt as a gag, and Jerry puts it on
- Kate uses cell phone to take picture of Jerry when he isn't looking, posts it on her blog
- · Story read by many people on and off campus
- Jerry confronts Kate and demands she remove photo; she complies, and they remain friends

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· Kate's blog and Jerry both become more popular

Kantian Analysis

- Kate uploaded Jerry's photo to her blog without asking his permission
- She treated him as a means to her end of increasing the readership of her Web site

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· Her action was wrong

Social Contract	Theory	Analysis
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- Birthday party held in apartment of one of Jerry's friends
- Jerry had a reasonable expectation of privacy
- Kate violated Jerry's right to privacy
- · Kate's action was wrong

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Act Utilitarian Analysis

- · Benefits
 - Popularity of Kate's blog increased (definitely)
 - Jerry become more popular on campus (definitely)
- · Harms
 - Jerry's anger at Kate (only temporary)
 - Photo could discredit Jerry at some point in future (unlikely)
- Kate did nothing wrong by posting Jerry's photo

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Rule Utilitarian Analysis

- What if everyone were constantly taking photos of people they encountered and posting them?
- Positive consequences
 - People would have more opportunities to keep up with what their friends are doing
 - People might be more reluctant to engage in illegal activities
- Negative consequences
 - People would become more self-conscious
 - Some relationships would be harmed
- Negative consequences more weighty than positive consequences, so Kate's action was bad

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Summary

- Three out of four analyses: Wrong for Kate to post the photo without asking Jerry's permission
- Kate figured it would be better to beg for forgiveness than ask for permission, but she cut Jerry out of a decision that affected both of them, and that's no way to treat a friend
- · Kate should have tried to get Jerry's consent

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Your Stories to Share?

Researched Story By Bucknell Students

Sexting

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- "Sexting refers to sending sexually suggestive text messages or emails containing nude or nearly nude photographs" (Quinn 134).
- 2009 survey of American teens (Quinn 134-5)
 - 9% sent a sext
 - 11% sent to stranger
 - 17% received a sext
 - 3% forwarded a sext

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Sexting (cont.)

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- Jesse Logan (Quinn 135)
 - Sent nude photos to her boyfriend
 - Boyfriend sent photos to other girls
 - Jesse ultimately committed suicide
- Phillip Alpert (Quinn 135)
 - Emailed nude photos of his girlfriend to her friends and family
 - Sentenced to five years probation
 - Registered sex offender

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Sexting (cont.)

- VA, MA, etc. → sexts from minors are considered child pornography
- 20 years in prison and registered sex offender
- Distinguish sexts from child porn
 - "educating teenagers, not punishing them"

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Sexting (cont.)

- "Those concerns [about lessening penalty] have to be weighted against the impact on a victim when a sexted image or video goes public" (Jouvenal).
- Sexted images can be found by child pornographers (Jouvenal)
- New laws may create a loophole to be exploited by pedophiles (Jouvenal)

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Sexting (cont.)

• Should teenagers be allowed to sext their romantic partners?

Sexting: Kantianism

 Kantianism = "treat others the way you want to be treated"

Sexting: Kantianisn	n
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- Consent → opt-in to mutual exchange
- Kant: "Why don't people think for themselves?" (quoted from Quinn 124-5)
- Sexting is morally acceptable between consenting parties.

Sexting: Act Utilitarianism

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 Total benefit of action > total harm of action

Sexting: Act Utilitarianism

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Benefits	
Happiness of both parties	Potential for photos to be shared with a third party
	Social embarrassment
	Suicide
 Intensity, duration, certainty, propinquity (closeness), fecundity (self-propagation), purity (of pleasure/pain), extent (number of people affected) What is the likelihood that photos will be shared? What is the likelihood that if photos are shared, it will lead to 	
suicide?Conclusion: Sexting is of debatable morality.	
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Sexting: Rule Utilitarianism

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 Total benefit of moral rule > total harm of moral rule

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Sexting: Rule Utilitarianism

- · If every consenting couple sexted:
 - More likely that at least one photo would be shared with a third party
 - Social embarrassment (?)
 - Suicide/depression (?)
- Mill's Principle of Harm: "The only ground on which intervention is justified is to prevent harms to others; the individual's own good is not a sufficient condition" (quoted from Quinn 125).
- · Conclusion: sexting is of debatable morality

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Internet Addiction

- Addiction: "any persistent, compulsive behavior that the addict recognizes to be harmful" (Quinn 143)
- Usually occurs when people are addicted to online games
- Programmers can have a compulsion to program

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Internet Addiction (cont.)

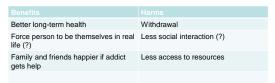
- Internet addiction causes similar neural changes to physical drugs, like cocaine
- Chuang: died after playing Diablo III for 40 hours without eating or sleeping
- 23-year-old Chen Rong-yu died after playing LoL for 23 hours straight
 - "His hands were still stretched out toward the keyboard and mouse..." (Rudd)
- British Xbox gamer Chris Staniforth died from a blood clot after a long gaming session

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Internet Addiction (cont.)

- Should internet and video game usage be limited?
- Who do you limit it for? Addicts? Preemptively for everyone?

Internet Addiction: Act Utilitarianism



Limiting internet usage is of debatable morality

Internet Addiction: Social Contract Theory

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• Is unrestricted Internet usage a fundamental right?