Big Brother is Watching

The State of Global Communication Surveillance
Outline

• NSA Practices
• Legality
• Foreign Spying Agencies
• Responses
NSA Mission: The National Security Agency/Central Security Service (NSA/CSS) leads the U.S. Government in cryptology that encompasses both Signals Intelligence (SIGINT) and Information Assurance (IA) products and services, and enables Computer Network Operations (CNO) in order to gain a decision advantage for the Nation and our allies under all circumstances.
Verizon, ATT, Sprint, and other major telecommunications companies give the intelligence agencies the metadata on the telephone records of their customers.
PRISM: Major American tech companies give the NSA access to their servers and user data within them.
NSA Practices

X-Keyscore: Allows analysts to search through databases of emails, online chats, and browsing histories of millions of people
X-Keyscore: So much data is stored by the NSA that it cannot be maintained on a consistent basis. Important information is flagged and saved to other services where it can be stored for years.
NSA Practices

MUSCULAR: Reads information sent among datacenters owned by Google and Yahoo
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3rd Party Doctrine: Alice has no expectation of privacy when she sends her communication to Bob through a 3rd party
Foreign Intelligence Surveillance Court: Gave the NSA its charter and rules on the legality of its actions
Legality

Foreign Intelligence Surveillance Court: Gave the NSA its charter and rules on the legality of its actions
Regulation of Investigatory Powers Act (Ripa) : Allows British government to view communications of British citizens so long as one end of the communication takes place abroad
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Foreign Spying Agencies

GCHQ: British equivalent of NSA. Manages Tempora, a sister program of X-Keyscore
Foreign Spying Agencies

European Intelligence Agencies: Germany - BND, France - DGSE, Spain - CNI, Sweden - Saepo
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United Nations: Condemns spying on international organizations and the UK's threatening of the free press
American tech companies are projected to lose $35 billion to $180 billion in revenue over the next few years from lost business with foreign clients.
American tech companies want to reveal more about how much information they give the federal government but the Department of Justice does not allow this.
Congress has yet to make a significant change to the legislation that governs the NSA
Responses

Thank you for listening. What do you think?
References

What the NSA does:
- Overview: http://www.theguardian.com/world/interactive/2013/nov/01/snowden-nsa-files-surveillance-revelations-decoded#section/1

Legality:
- James Clapper, Director of National Intelligence, perjured:

What other countries do
- GCHQ: http://www.theguardian.com/uk-news/2013/nov/01/gchq-europe-spy-agencies-mass-surveillance-snowden
- GCHQ spys for the NSA for money: http://www.theguardian.com/uk-news/2013/aug/01/nsa-paid-gchq-spying-edward-snowden
- European Intelligence Collective (Germany - BND, France - DGSE, Spain - CNI, Sweden - Saepo), United Kingdom - GCHQ): http://www.theguardian.com/uk-news/2013/nov/01/gchq-europe-spy-agencies-mass-surveillance-snowden
- Germany (BND can read your email and email provider cannot alert you to this): http://arstechnica.com/tech-policy/2013/10/germany-wont-save-you-why-e-mail-is-probably-safer-in-the-us/