

Lecture 21: How much do you trust your government?



ECHELON intercept station, Menwith Hill, England

There was of course no way of knowing whether you were being watched at any given moment... You had to live – did live, from habit that became instinct – in the assumption that every sound you made was overheard and, except in darkness, every movement scrutinized.

George Orwell, *1984* (1948)



CS551: Security and Privacy
University of Virginia
Computer Science

Anonymous

http://www.rewebber.com/surf_encrypted/MTBKb4IKq25YShD4yVMTkRoqWo1Bu8kpFHRyfkT48tTCovuKp7Cktazai94gqryx2aHjXyqVzAEgNpFMDvxmbvyVIByOstd5h5h9vlgkO3z6xFxiQ+xJ0eNrRNR3bjVa6uQ=

Menu

- Surveillance
 - Echelon, TEMPEST, Carnivore
- Anonymity
 - Email, Browsing, Publishing

UKUSA

- Secret agreement in 1948
- NSA, GCHQ (UK), CSE (Canada), DSD (Australia), GCSB (New Zealand)
- Listening stations throughout world
 - Monitor satellite, microwave, cellular and fiber-optic communications traffic
 - Voice recognition and OCR
 - Dictionary of suspicious phrases