

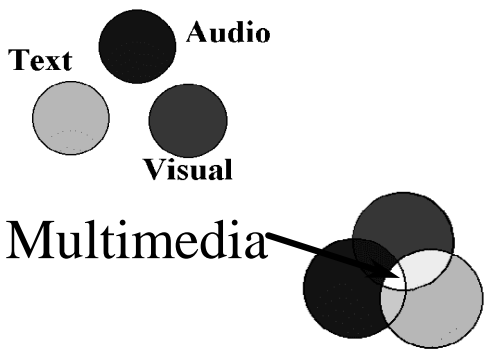
Communication Technologies

- ## Early Communications
- **Spoken Word**
 - **Drums & Smoke**
 - **Paintings**

- ## The Written Word
- **“Knowledge is Power”**
 - **The Power Elite**
Religious leaders
 - **Messengers & Sealed Scrolls**

Communications Today

- **Written Words**
- **Telephone**
- **Radio**
- **Television**
- **Multimedia**



Communications— Mid 1440s

- **Verbal & Visual methods**
- **Guttenburg Bible**
- **Movable Type**
- **Mind Your ‘p’s and ‘q’s**

Demonstration!

When lay people can read...

- **Shared Knowledge**
- **Less reliance upon memory**
- **Break out of family professions**

Print Media

- **Books and newspapers**
- **Shared public opinion**
- **Commerce & Business transactions**

**Communications—
Mid 1800s**

- **Electrical Theory**
- **Electronic Communications**
- **Morse Code—1844**
- **Bell—Telephone**

Wireless

- **Radio—1920 Election results**
- **Television—1939**
- **Government Regulation of Spectrum**

Privacy Concerns

- **Whose data is it?**
- **Who gets it?**
- **Who controls access?**
- **What could the “bad guys” do with it?**

Dangerous Knowledge

The PERL RSA Encryption script that would otherwise be occupying this slide is classified as a munition by the U.S. Government and may not be exported (i.e., cannot be located on a Web page here in the U.S.). Penalties for exporting this technology include the possibility of jail and/or a \$1,000,000 fine (and I don't make that kind of money).

It doesn't matter one twit that this script originally came from England via the World Wide Web (the Internet). So if you want to see it, surf to the following URL:
<http://www.cypherspace.org/~adam/rsa/>

You have been warned.

Don't play cute.
