



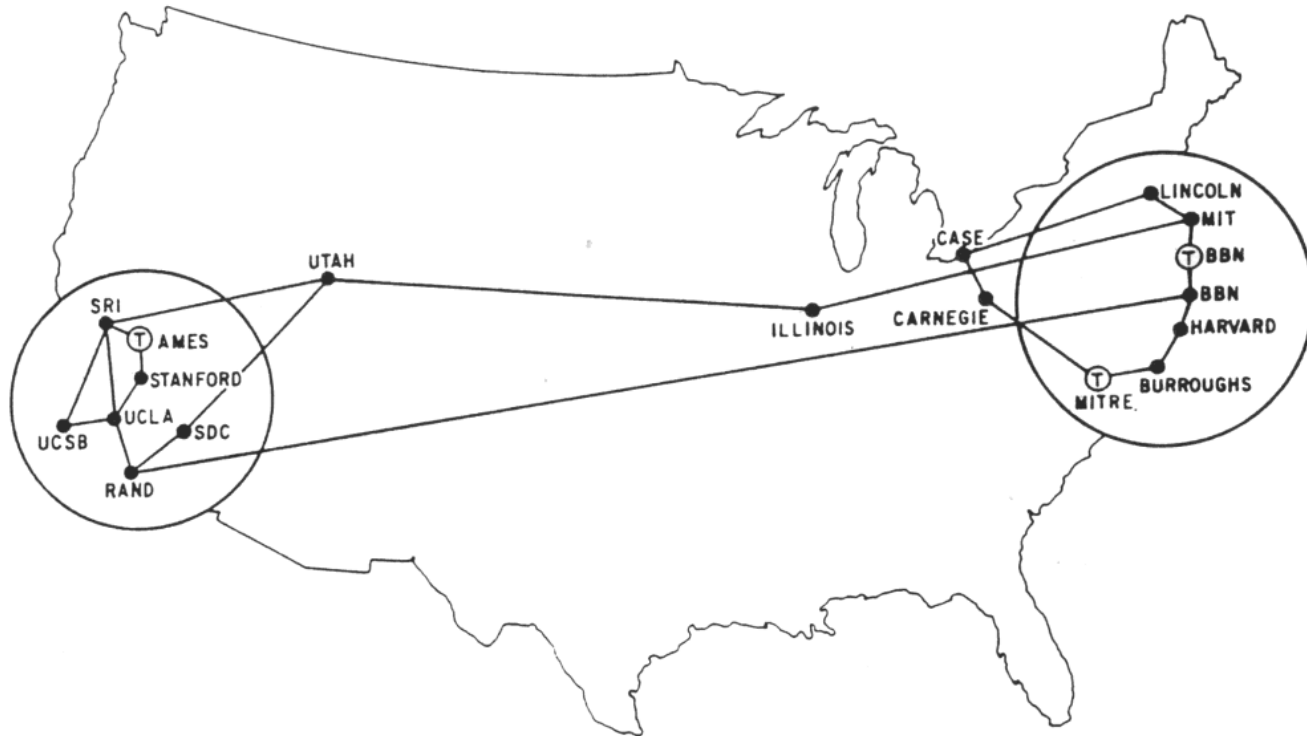
# **Privacy through Security: The Challenges**

**Casey J. Dunlevy**



# The Environment - Then

- The Net Then – ARPANET 1971

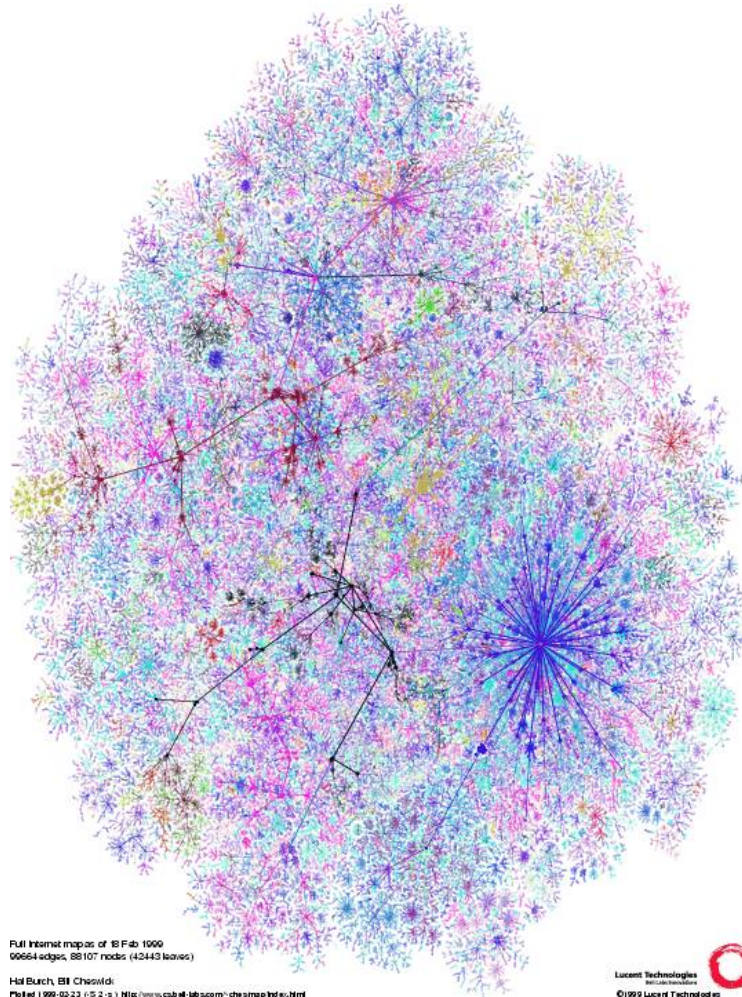


MAP 4 September 1971

# The Environment - Now

---

- The Net Now – And still growing



# Challenges – Why We Fail

---

## Organizations are ineffective at security because they:

- *Don't approach security at the organizational level*
- *Tend toward ad-hoc, reactive, technical approaches*
- *Rely upon best practices or regulation to define their approach*
- *Treat security as an expense or sunk cost*
- *Can't measure or repeat their successes*
- *Don't utilize the skills, knowledge, capabilities that are spread throughout the organization*

**These are bold statements. But, we've observed this in our fieldwork with customers, from interviewing best-in-class organizations, and from basic research into the development and use of security best practices.**

# Challenges – What Can We Do?

---



# Challenges – New Ideas

---

## Rethink our view of security

*From*



*To*

**Technical problem**

**Owned by IT**

**Expense-driven**

**Ad Hoc and tactical**

**Practice-centric**

**Business problem**

**Owned by organization**

**Investment**

**Managed and strategic**

**Process-centric**

**Less resilient**



**More resilient**

# Challenges – Privacy through Security

---

## Rights of the Organization *and* Rights of the Individual

- Policy
- Legislation/Regulation
- Create Security Awareness

## Security Approaches Driven by the Threat

- Insider Threats are Real
- Malicious Tool More Sophisticated
- Tech Threats Drive Tech Tools
- Remember the Human Element



# Challenges - What Can We Do?

---

## Take the Larger View

- Realize security management is a business issue as well as technological challenge
- Information Security goals are aligned with the Enterprise, not just the CIO
- Good information security needs more than IT to work together to achieve information security goals
- Effective strategies will convince organizational units other than IT that they should care about information security
- Security has to be part of the strategic plan for an organization
- Security strategies must be balanced against potentially limiting the achievement of other strategic objectives
- Privacy ensured by strong security environments



---

# Questions & Discussion