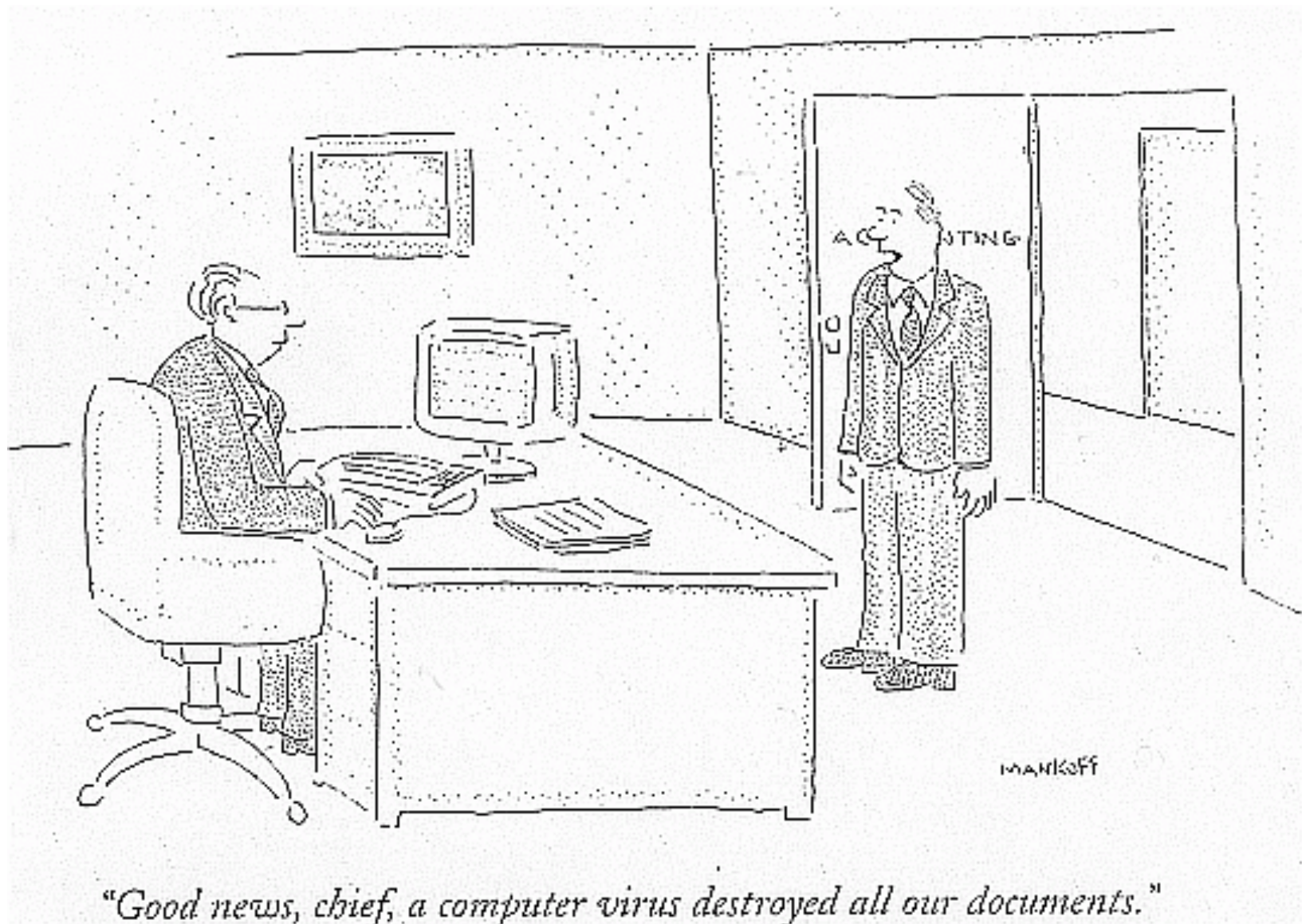




UCI EIR Security

Stating the Obvious
Reviewing the Known
What's the Agenda?



UCI EIR Security Coordination
Group, July 2004



Security Awareness

- **Personal Level**

- Viruses, Worms, Warez, Spam and more Spam!
- Identity Theft, Phishing

- **Institutional Level**

- "SB 1386" Incidents
- HIPAA
- DMCA, Warez

- **More than ever before,
"Everyone's Concern"**



Laws & Regulations

- **SB 1386** – Personal Information in Computerized Data (effective 7/1/03, California Civil Code 1798.29 & 1798.82-1798.84)
- **HIPAA** – Health Insurance Portability and Accountability Act
- **FERPA** – Family Education Rights Privacy Act
- **GLB Act** – Gramm-Leach-Bliley Act = “Financial Modernization Act of 1999”
- **DMCA** – Digital Millennium Copyright Act



Goals

- Assessing and enhancing Electronic Information Security at UCI
- Compliance with state and national security laws and regulations
- Compliance with UC IS-3 Electronic Information Security Guidelines



Themes

- **Distributed-Coordinated Responsibility**
 - IT Professionals (aka "computer support staff")
 - Senior Administrators
 - **End Users**
- Balancing **Convenience** vs/and **Confidence**
- Opportunity (and Necessity) for improving broadly-based (universal?)
Security Awareness



UC Policies & Guidelines

- **UC BFB (Business & Finance Bulletin)**
IS-3 – Electronic Information Security
 - Provides criteria for classifying data
 - Sets security expectations (Disaster recovery, Physical Security, Logical Security, Managerial Security)
 - Responsibilities
 - Notification of Security Breaches with “Personal Information Data” (Name and 1 of the following: SSN, Driver’s License, Financial Account Num & Access Code)
 - Local campus implementation coordination



IS-3 EI Vocabulary

- **EIR = Electronic Information Resource**

A resource ... that involves the electronic storage, processing or transmitting of data, as well as the data itself.

- **EIR Custodian**

Department with physical or logical control over the EIR

- **EIR Proprietor**

Individual with responsibility for determining the purpose and function of the EIR

- **EI Security Guidelines Coordinator**

Overall coordination responsibility for campus compliance ...
track individuals responsible for implementation ...
provide education on the contents of these Guidelines.



Themes

- UC Policy IS-3 is a Starting Point
 - Conceptual framework and guidelines which work well in “traditional” IT settings
- What about EIR outside such settings?
 - “Personal” systems, rather than “institutional”
 - “Individual” vs “Shared”
 - Mobile vs Fixed
- UC is planning to update IS-3.
 - Encryption
 - Mobile devices



Agenda

- **SB 1386** – Review of UC “Incidents”
- **HIPAA** – Leading/Bleeding Edge
- **EIR Inventory Update**
- **“What Have We Learned”** – Discussion
- Break
- **Specific Steps**
 - Minimum security for network connected devices
 - Promulgating security guidelines for EIR Systems
 - Security Awareness Training
- **“Reaching the Right People”** –Discussion



The "Real" Agenda

- **Distributed-Coordinated Responsibility**
 - IT Professionals (aka "computer support staff")
 - Senior Administrators
 - **End Users**
- Balancing **Convenience** vs/and **Confidence**
- **Security Awareness**
 - and **Resources**
 - **End Users**



UC References

- UC Business and Finance Bulletins (BFB) –
<http://www.ucop.edu/ucophome/policies/bfb/>
 - IS – Information Systems
<http://www.ucop.edu/ucophome/policies/bfb/bfbis.html>
 - IS-3, Electronic Information Security -
<http://www.ucop.edu/ucophome/policies/bfb/is3.pdf>
 - RMP – Records Management Practices
<http://www.ucop.edu/ucophome/policies/bfb/bfbrmp.html>
- UC Electronic Communications Policy (ECP) –
<http://www.ucop.edu/ucophome/policies/ec/>



References

- SB 1386 (now Ca Civil Code 1798.29 & 1798.82-1798.84) – <http://www.privacy.ca.gov/code/cc1798.291798.82.htm>
- HIPAA (Health Insurance Portability and Accountability Act) – <http://www.hhs.gov/ocr/hipaa/>
- FERPA (Family Educational Rights and Privacy Act) – <http://www.ed.gov/offices/OM/fpco/ferpa/students.html>
- GLB (Gramm-Leach-Bliley) Act – <http://www.ftc.gov/privacy/glbact>
- Copyright and DMCA (Digital Millennium Copyright Act) – <http://www.ucop.edu/irc/policy/copyright.html>
<http://www.universityofcalifornia.edu/copyright/>