

# **Organizational Security: When People Are Involved**

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# **The Honor System Virus**

**This virus works on the Honor System.**

**Please forward this message to everyone you know, then delete all the files on your hard disk.**

**Thank you for your cooperation.**

# The Security Problem

**“Computer security is a 40-year-old discipline; every year there's new research, new technologies, new products, even new laws. And every year things get worse.”**

**Bruce Schneier, CIO, Counterpane  
Internet Security Inc.**

# The Security Problem

**“It will be most productive to think of security not as a way to provide ironclad protection, but the equivalent of speed bumps, decreasing the velocity and impact of electronic attacks to a level where other protection mechanisms can operate.”**

Andrew Odlyzko, Director, Digital Technology Center, University of Minnesota

# Top Ten Stupid User Tricks

1. Passwords on Post-it Notes
2. Leaving your computer on, unattended
3. Opening e-mail attachments from strangers
4. Poor password etiquette
5. Laptops on the loose
6. Blabber mouths
7. Plug and Play without protection
8. Not reporting security violations
9. Always behind the times / no virus protection
10. Focusing outside the organization

# Where's the Problem?

- 5<sup>th</sup> Annual Global Information Security Survey by PwC
  - Security breaches at **66 percent** of worldwide sites in the past year
  - External hacking which rose from **46 percent** in 2001 to **55 percent** in 2002
  - Internal sources, such as employee misuse or disgruntled staff, declined year-on-year to **50 percent**

# Where's the Problem?

- But:
  - **53 percent** of European organizations didn't report security incidents

# Where's the Problem?

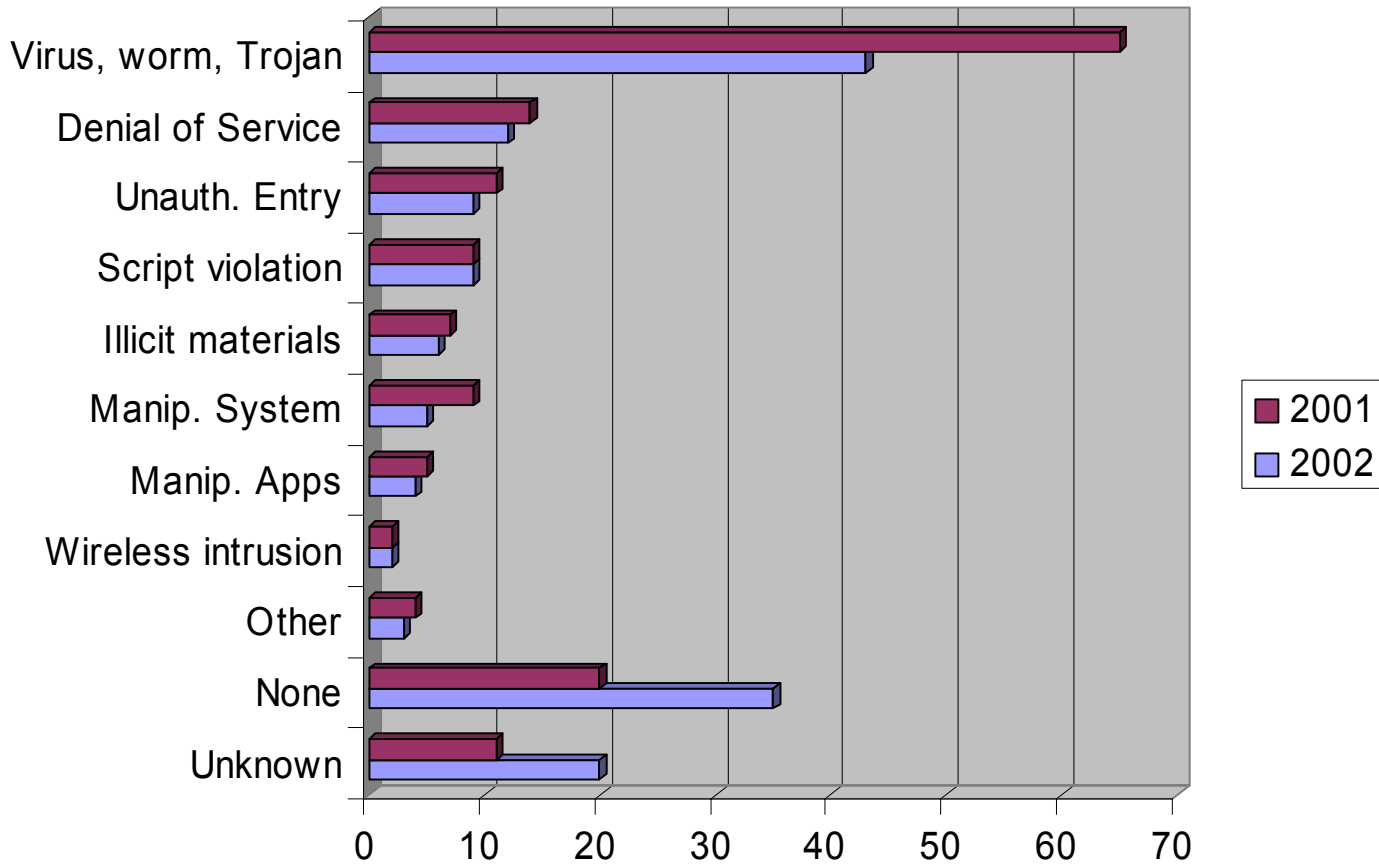
- Human Firewall Council Security Management Index (9/02):
  - The vast majority of organizations taking the survey failed to meet what may be considered minimally acceptable standards for managing security across the enterprise.
  - All but one category (physical security) scored an “F” or failing grade across 10 key areas of security management.



# Where's the Problem?

- Human Firewall Council Security Management Index (9/02):
  - Results suggest a reactive, “Techno-Centric Solution” perspective for security still prevails

# Where's the Problem?



# Social Engineering

- Use of psychological tricks on legitimate users of a computer system, in order to gain the information (usernames and passwords) needed to gain access to the system

# For More:

- To see more of this presentation or to engage Mike Ellsworth to speak to your organization, contact:

**Mike Ellsworth**

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