

## **Cyber-Law & Cyber-Theft Session**

**Glenn S. Tenney KOTJ**

**Fantasia Systems Inc.  
San Mateo, California USA**

**Telephone: 1-650-574-3420**

**tenney@think.org**

4 September 1997

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**"I'd like to buy a book on chutzpah and I'd like you to pay for it."**

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## On-line Open Sources

### Publisher's Concerns:

- Make Information available
- But don't give away the store

### User's Concerns:

- Information overload
- What to believe
- Analysis of your queries and accesses

## Intrusions

### Damage:

- Invasion of Privacy
- Theft of property
- Theft of services

### Protection:

- Good System Design From the Beginning
- Firewalls

## Others Using Your Open Sources

### Theft of Intellectual Property

- Copyrighted materials
- Confidential and Proprietary
- Trade Secrets

### Misappropriation of Intellectual Property

### Fraud

### People know where you are on-line :

- Denial of Service Attacks
- Attacks by email

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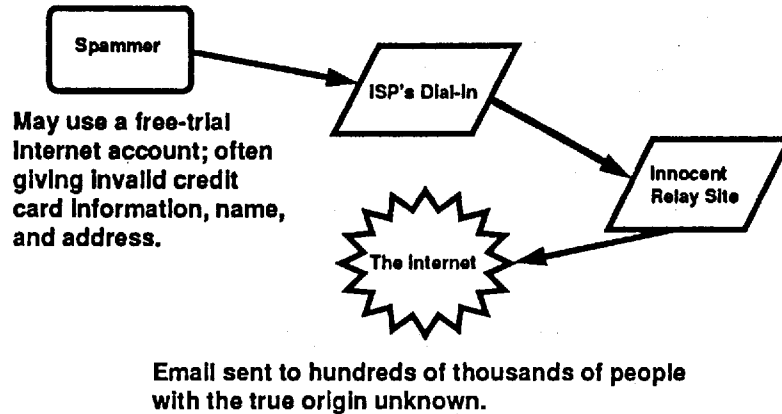
**“On the Internet, nobody knows you’re a dog.”**

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## A Typical Spam



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## A Recent Spam Attack

Likely carried out by a disgruntled customer

Spams sent claiming to be from the company advertising a service

Spams sent claiming to be from the company's attorneys "threatening" net users to stop complaining about the previous spam

Spam messages included the names, addresses, phone numbers and email addresses of the company officers and their attorneys

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## **Damage From A Spam Attack**

**Email servers and phone systems tied up for days**

**Loss of business (current and future)**

**Loss of reputation**

**Untold thousands of dollars spent**

- **Lawyers**
- **Investigations**
- **Public Relations**

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## **How can such an attack happen?**

**Many ISPs establish accounts without verifying credit card or personal information**

**Internet Service Provider's logs are not usually made available without a court order**

**Network access via dial-up connections are anonymous**

**Many internet sites allow any email to be relayed**

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