

Security Awareness on a Budget

FISSEA 2012

Security Awareness on a Budget

(or even with NO budget!)

FISSEA 2012

Introduction

**FISSEA =The Federal Information System Security
Educators' Association**

We are EDUCATORS, first and foremost



Awareness Budget? Are You Kidding?!

We wear multiple hats

Budget gets spent elsewhere

No Budget left for Awareness and Education

Awareness programs are **REQUIRED!**

No budget? NO PROBLEM!



You Don't Need Money

**A good Security Awareness program
needs to:**

- Get the Word Out**
- Be Useful to your users**
- Be Memorable**

Standard Awareness Methods

IT Security Website

Dept/Agency Newsletter

Email

Posters

“But I’m not artistic!”

Pick a Theme

Teach the User something

Posters are already out there!

Posters



WAYS, WEBSITES AND EMAIL ATTACHMENTS CAN EXPOSE YOU TO ALL SORTS OF CREATURES FROM CYBERSPACE. DON'T LET ATTACKERS TAKE OVER YOUR COMPUTER.

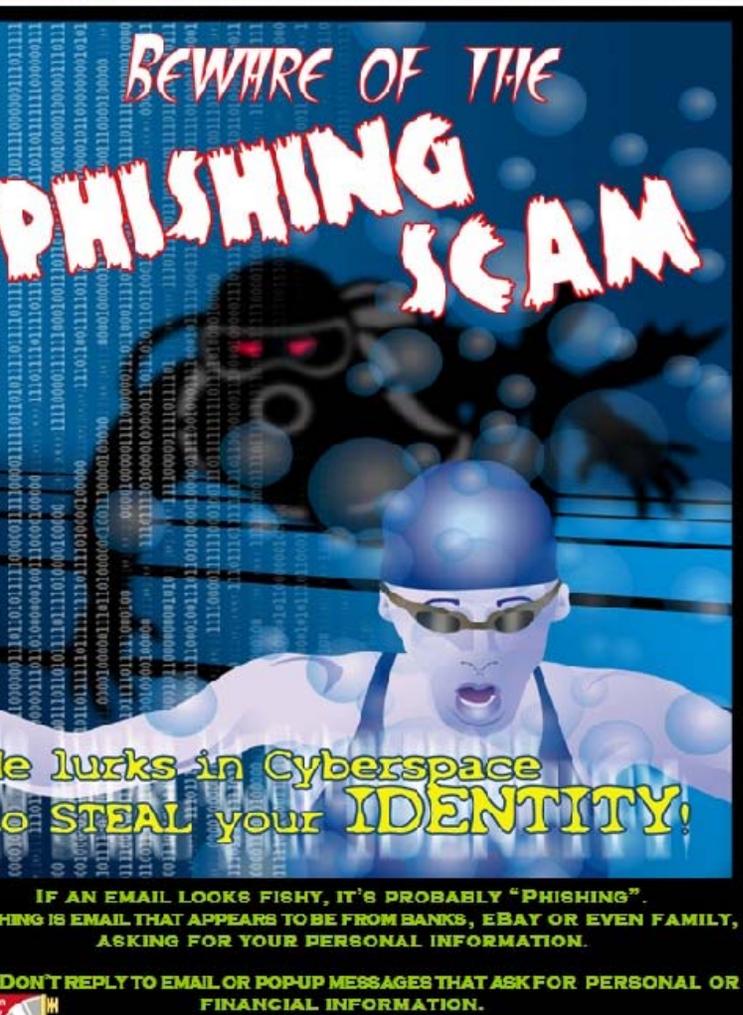
TIP: THINK BEFORE YOU CLICK!
BE SURE TO SCAN ANY FILES WITH ANTIVIRUS SOFTWARE.



PASSWORD AND IDENTITY THIEVES IN CYBERSPACE COULD CAUSE MORE THAN JUST YOUR COMPUTER TO COME CRASHING DOWN. KEEP YOUR NETWORK AND ADMINISTRATOR PASSWORDS SAFE.

TIP: NEVER SHARE YOUR PASSWORD WITH ANYONE — NOT EVEN YOUR LOVED ONES OR CO-WORKERS.

Posters



BEWARE OF THE PHISHING SCAM

He lurks in Cyberspace to STEAL your IDENTITY!

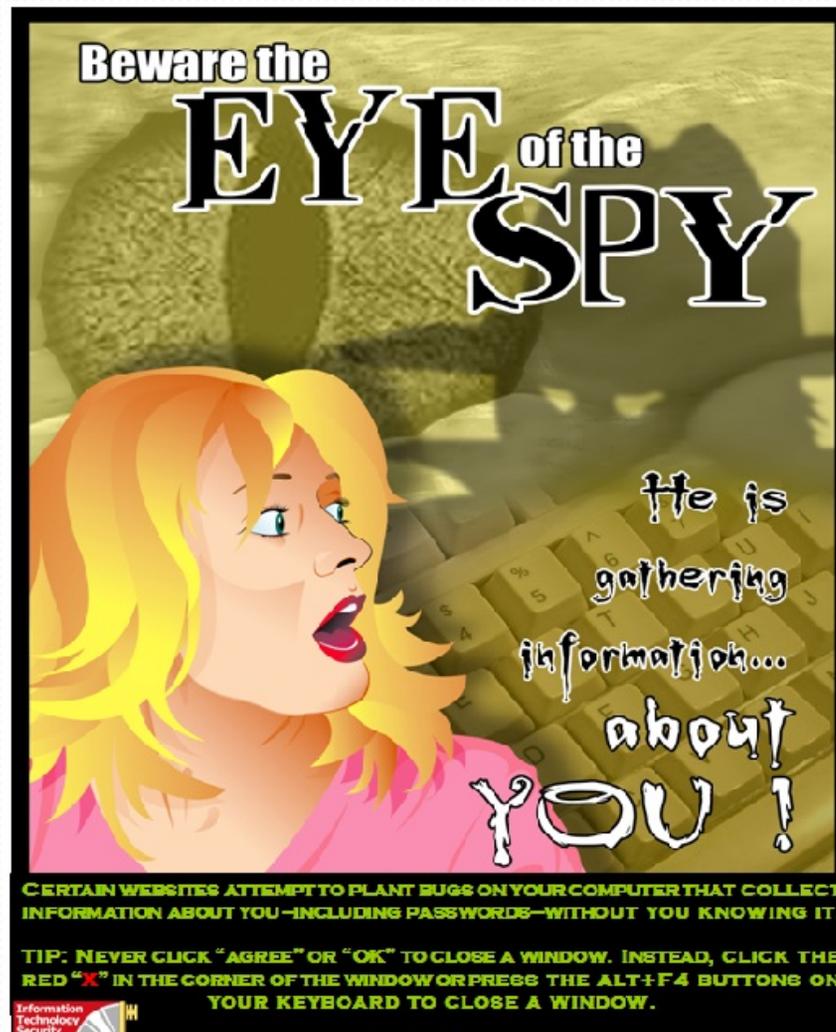
IF AN EMAIL LOOKS FISHY, IT'S PROBABLY "PHISHING". PHISHING IS EMAIL THAT APPEARS TO BE FROM BANKS, EBAY OR EVEN FAMILY, ASKING FOR YOUR PERSONAL INFORMATION.

DON'T REPLY TO EMAIL OR POP-UP MESSAGES THAT ASK FOR PERSONAL OR FINANCIAL INFORMATION.

Information Technology Security

For more tips, see:

The poster features a blue background with binary code and a stylized figure with glowing red eyes. A swimmer is shown in the foreground, looking surprised. The text is in a mix of bold, stylized fonts.



Beware the EYE of the SPY

He is gathering information... about YOU!

CERTAIN WEBSITES ATTEMPT TO PLANT BUGS ON YOUR COMPUTER THAT COLLECT INFORMATION ABOUT YOU—INCLUDING PASSWORDS—WITHOUT YOU KNOWING IT.

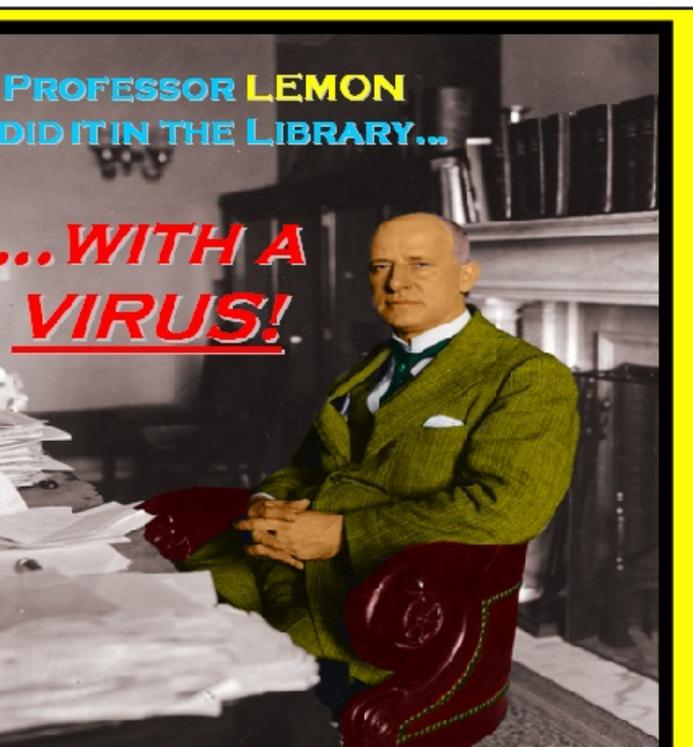
TIP: NEVER CLICK "AGREE" OR "OK" TO CLOSE A WINDOW. INSTEAD, CLICK THE RED "X" IN THE CORNER OF THE WINDOW OR PRESS THE ALT+F4 BUTTONS ON YOUR KEYBOARD TO CLOSE A WINDOW.

Information Technology Security

For more tips, see:

The poster has a yellowish-green background with a computer keyboard and a woman with blonde hair looking concerned. The text is in a mix of bold, stylized fonts.

Posters



PROFESSOR LEMON
DID IT IN THE LIBRARY...

**...WITH A
VIRUS!**

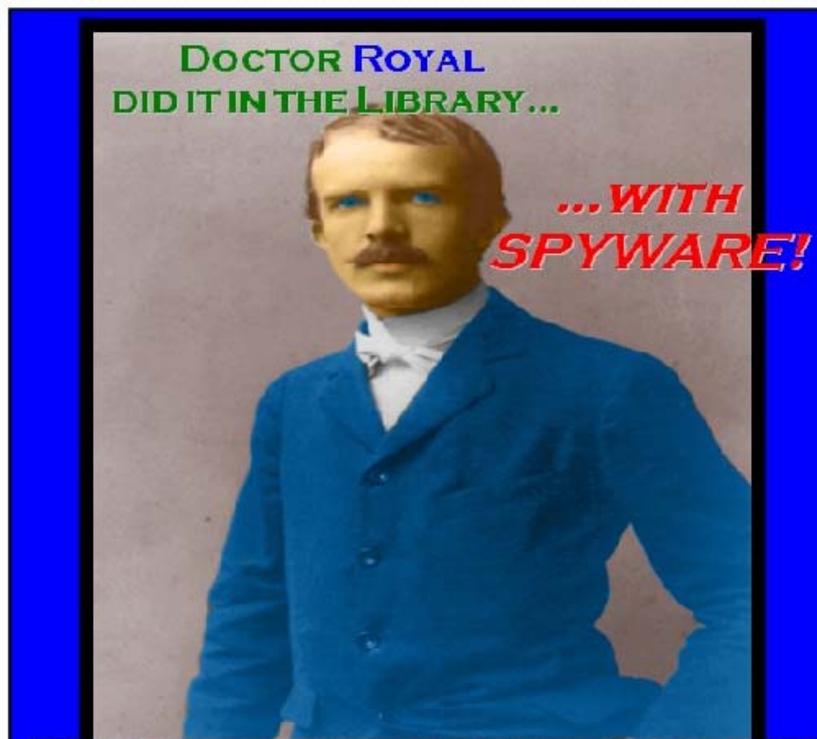
HE DIDN'T HAVE A CLUE.... DO YOU?

WITH THE BEST ANTIVIRUS SOFTWARE, NEW STRAINS OF WORMS AND VIRUSES INFECT COMPUTERS EVERY DAY.

DON'T OPEN ATTACHMENTS IF YOU DON'T KNOW WHO THEY ARE FROM, OR WERE NOT EXPECTING THEM.

DON'T FOLLOW WEB LINKS IN UNSOLICITED EMAIL.

For more tips, see:



DOCTOR ROYAL
DID IT IN THE LIBRARY...

***...WITH
SPYWARE!***

HE DIDN'T HAVE A CLUE.... DO YOU?

CERTAIN WEBSITES CAN INSTALL SPYWARE WITHOUT YOUR KNOWLEDGE, WHICH COULD INVADE YOUR PRIVACY BY TRACKING WEB HABITS, MONITORING KEYSTROKES, AND EVEN TAKE CONTROL OF YOUR COMPUTER.

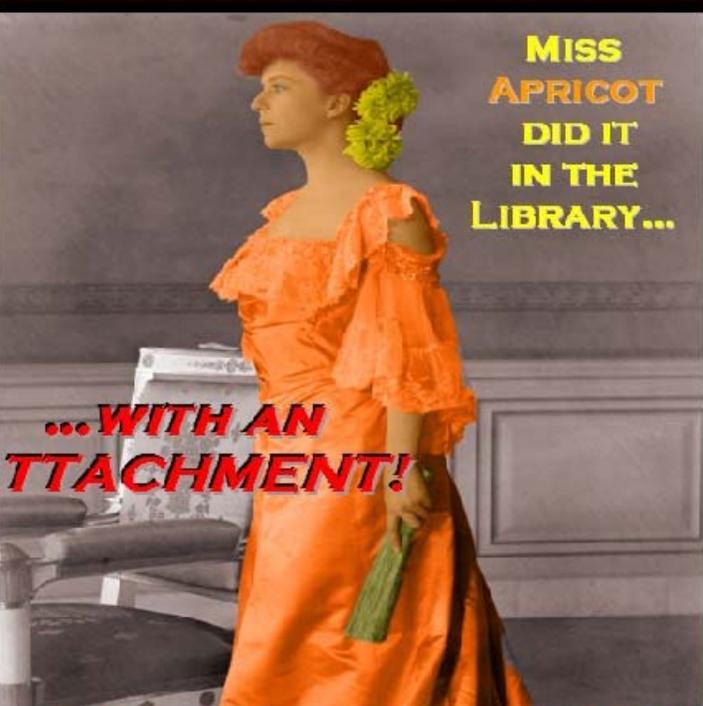
TIP: BE CAUTIOUS ABOUT USING "FREE" MUSIC AND MOVIE FILESHARING

PROGRAMS, AND BE SURE YOU UNDERSTAND ALL OF THE SOFTWARE USED BY THESE PROGRAMS.



For more tips, see:

Posters



MISS APRICOT DID IT IN THE LIBRARY...

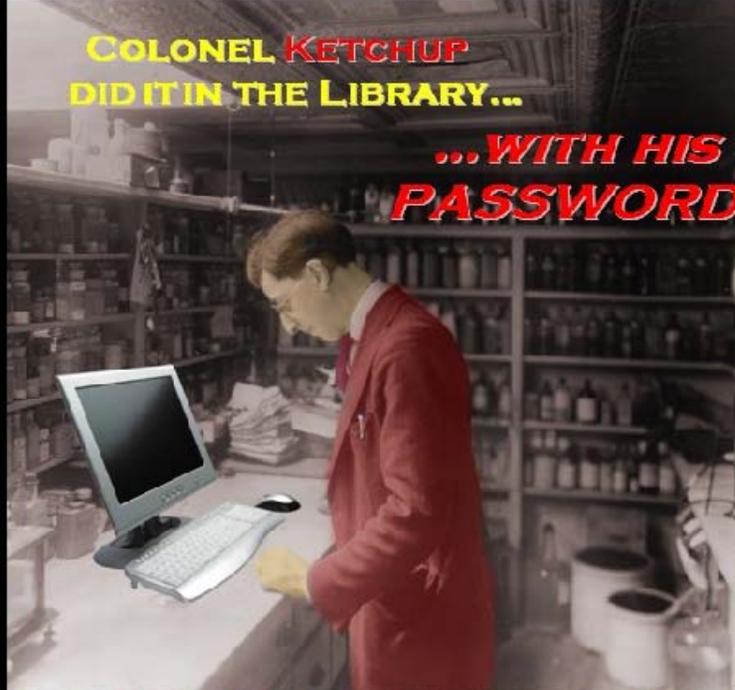
...WITH AN ATTACHMENT!

HE DIDN'T HAVE A CLUE.... DO YOU?

HACKERS TAKE ADVANTAGE OF THE REALITY THAT MOST USERS WILL AUTOMATICALLY TRUST AND OPEN ANY MESSAGE THAT COMES FROM SOMEONE THEY KNOW.

TIP: TRUST YOUR INSTINCTS - IF AN EMAIL OR EMAIL ATTACHMENT SEEMS SUSPICIOUS, DON'T OPEN IT, EVEN IF YOUR ANTI-VIRUS SOFTWARE INDICATES THAT THE MESSAGE IS CLEAN.

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COLONEL KETCHUP DID IT IN THE LIBRARY...

...WITH HIS PASSWORD!

HE DIDN'T HAVE A CLUE.... DO YOU?

CYBERCRIMINALS USE SOPHISTICATED TOOLS THAT CAN RAPIDLY DECIPHER PASSWORDS.

STRONG PASSWORDS ARE IMPORTANT PROTECTION FOR NETWORK LOGIN AND SAFER ONLINE TRANSACTIONS.

TIP: USE A LONG PASSWORD AND CHANGE IT REGULARLY. DON'T SHARE YOUR PASSPHRASE WITH ANYONE.

Information Technology Security

For more tips, see:

osters



LADY EMERALD
DID IT IN THE LIBRARY...

...WITH A PHISHING ATTACK!

SHE DIDN'T HAVE A CLUE... DO YOU?

CROOKS PRETENDING TO BE FROM COMPANIES YOU DO BUSINESS WITH MAY CALL OR SEND AN EMAIL, CLAIMING THEY NEED TO VERIFY YOUR PERSONAL INFORMATION – BE WARY.

TIP: IF YOU GET AN EMAIL OR POP-UP MESSAGE THAT ASKS FOR PERSONAL OR FINANCIAL INFORMATION, DO NOT REPLY. CONTACT THE COMPANY DIRECTLY TO CONFIRM THE POP-UP OR EMAIL IS FROM THEM.

Information Technology Security

Posters

5 TIPS TO AVOID SPEAR PHISHING

- Don't take candy from strangers. Be suspicious of unsolicited offers or emails, even if the email is personalized to you.
- Never reveal personal or financial information in a response to an email request, no matter who appears to have sent it.
- If it seems uncharacteristic, contact the source via telephone. Phishers are getting smarter about using known contacts or corporate brands to trick people into sharing information or clicking links.
- Don't provide your password in an email or over the phone. The Library's IT Help Desk, as well as most reputable companies, will NEVER ask you for this information through these channels.
- Don't click links or attachments you don't understand—it could be a trick to download malware or steal your identity.

If you believe you have received a phishing email, forward the message as an attachment, to infosec@loc.gov

To forward email as an attachment:

-Outlook- Open a new Outlook message, click the message you want to be an attachment, and drag it into the body of your new message.

-Groupwise- Click on 'Actions' in the main menu, and then click on the option "Forward as Attachment".



For more information, visit the IT Security website:

osters

DON'T TAKE THE FISHERMAN'S BAIT!



ARE YOU A
Bait Caster?

We can increase YOUR Phishing
Casting 25% to 40%

OUR EMAIL LISTS

are **GUARANTEED** to be the addresses of
users who will click on **ANYTHING!**

Long distance average of five casts,
2,000 to 4,000 Credit Cards.

Longest single cast, 3,216 Credit Cards.

Send for Free Booklet

MESSRS. STEALER & ROBB, Kalamazoo, Mich.

**CYBER CRIMINALS BUY AND SELL LISTS OF USERS WHO ARE
SUSCEPTIBLE TO PHISHING SCAMS.**

**SPAM EMAILS ARE SOMETIMES ATTEMPTS TO ADD YOUR NAME AND
EMAIL ADDRESS TO LISTS USED FOR PHISHING AND IDENTITY**

**TIP: KEEP EMAIL TYPES SEPARATE BY USING MULTIPLE EMAIL
ADDRESSES, DESIGNED FOR DIFFERENT PURPOSES.**

Information
Technology
Security



**SEPARATE EMAILS FOR WORK, PERSONAL, BILLS, AND
OTHER INFO IS A HELPFUL WAY OF AVOIDING PHISHING
LISTS.**



Giveaways or Swag

Are they good for advertising?

- (yes and no...)

Does anyone ever use them?

- (yes and no...)

Do you need them?

- (yes and no...)

How can I do it with no budget?

Giveaways-My Secret Weapon

Giveaways-My Secret Weapon



Contests

Quizzes

Crossword Puzzles

Name the Mascot



Contest Prizes





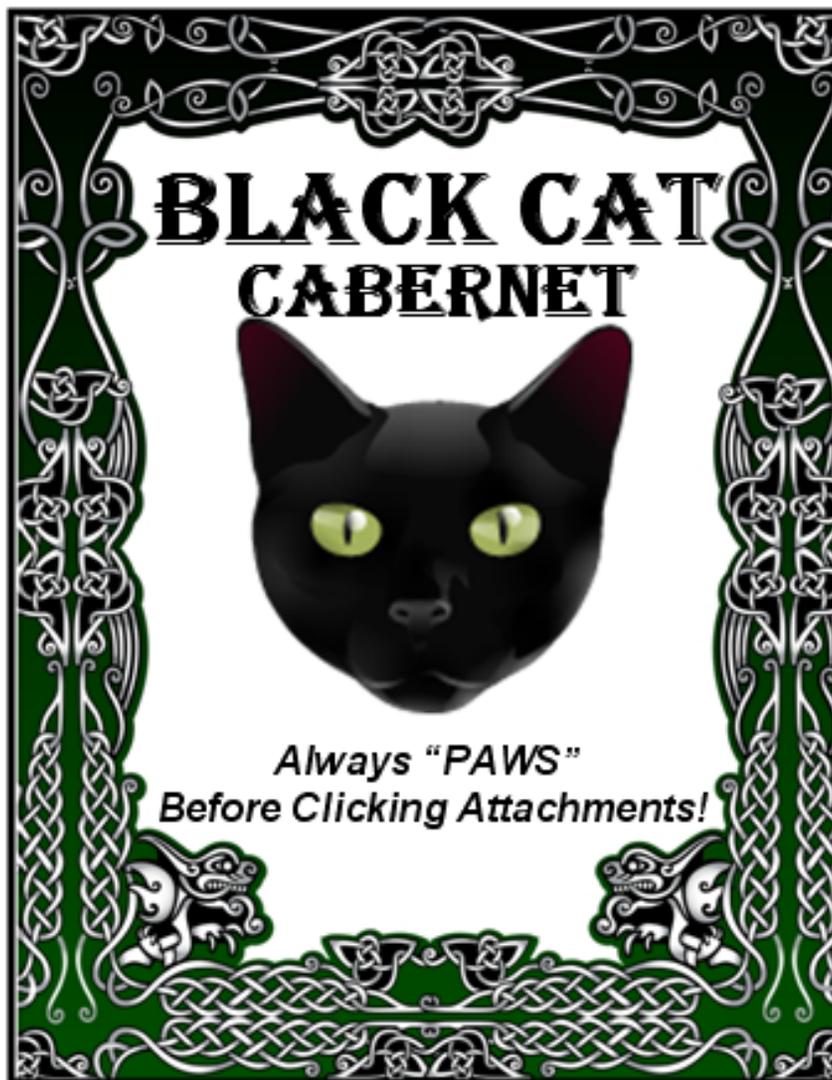
RED BAT



MERLOT

*Hackers are
Creatures Of the Night...
Beware Illegal Downloads!*

The label features a dark green background with a white, intricate Celtic knotwork border. At the bottom corners, there are small, stylized white illustrations of a dragon or griffin.



BLACK CAT
CABERNET



*Always "PAWS"
Before Clicking Attachments!*

The label features a dark green background with a white, intricate Celtic knotwork border. At the bottom corners, there are small, stylized white illustrations of a dragon or griffin.

SKULLDUGGERY

SAUVIGNON
BLANC



Don't Let Your Password
Get Bone Dry -
Change it Often!

WITCH'S BREW BORDEAUX



Phishing Scams
can be a
Cauldron Of Trouble!

VAMPIRE

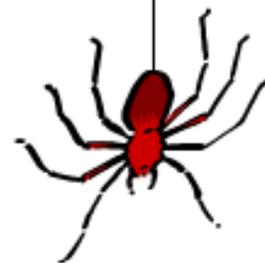
BLOOD
of the
GRAPE



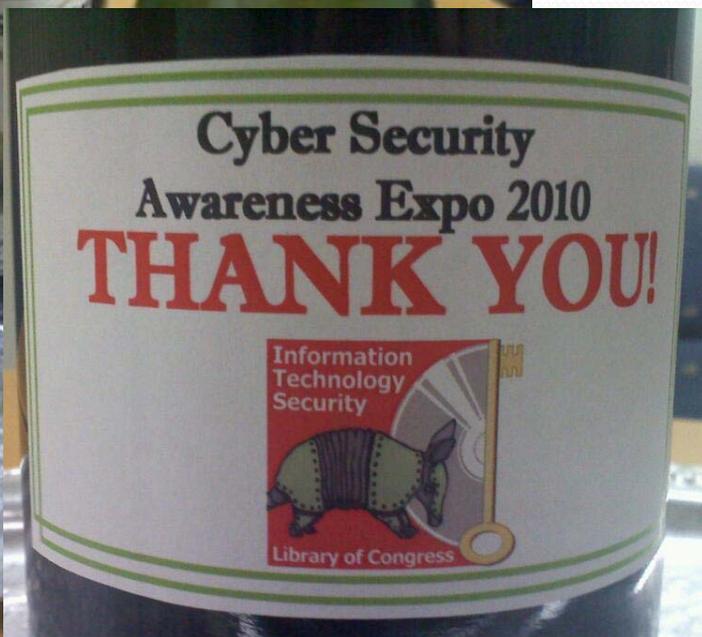
**Revealing Personal Information
Can Come Back To Bite You!**



**SPIDER
SILK
SAUVIGNON**



*Use Care
When Surfing the Web!*



***SNOWBALL
SAUVIGNON***



***Donations can have a
Snowball Effect!***



***JINGLE BELL
JUICE***



***Ring in the New Year
of Giving
With CFC!***



MOUSE-KATEL



Your CFC donation may be
small-
But the difference it makes can be

HUGE!



RUDOLPH RED



Guide the Sleigh...
And Let your Nose Light the Way!

Give to CFC



MELTING SNOWMAN MERLOT



*Time's-a-Wasting-
Give to CFC!*



HOLLY-DAY CHEER



***GIVING TO CFC BRINGS CHEER
THROUGHOUT THE YEAR!***



More Contest Prize Ideas



More Contest Prize Ideas



Guest Speakers

Keep it timely

Keep it Interesting

Keep it **SHORT!**

Advertise, advertise, advertise!

Guest Speakers

Information Technology Security
Presents

A Technical Brown Bag Seminar

**Protecting Children's Privacy -
A Guide for Parents**

Joe Garrity - LOC IT Security
*Discusses how to approach Data Privacy with your children
and keep their information safe in the digital world!*

Tuesday, Jan 31st
1 PM to 2 PM
Mary Pickford Theatre
3rd Floor - Madison

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DATA PRIVACY

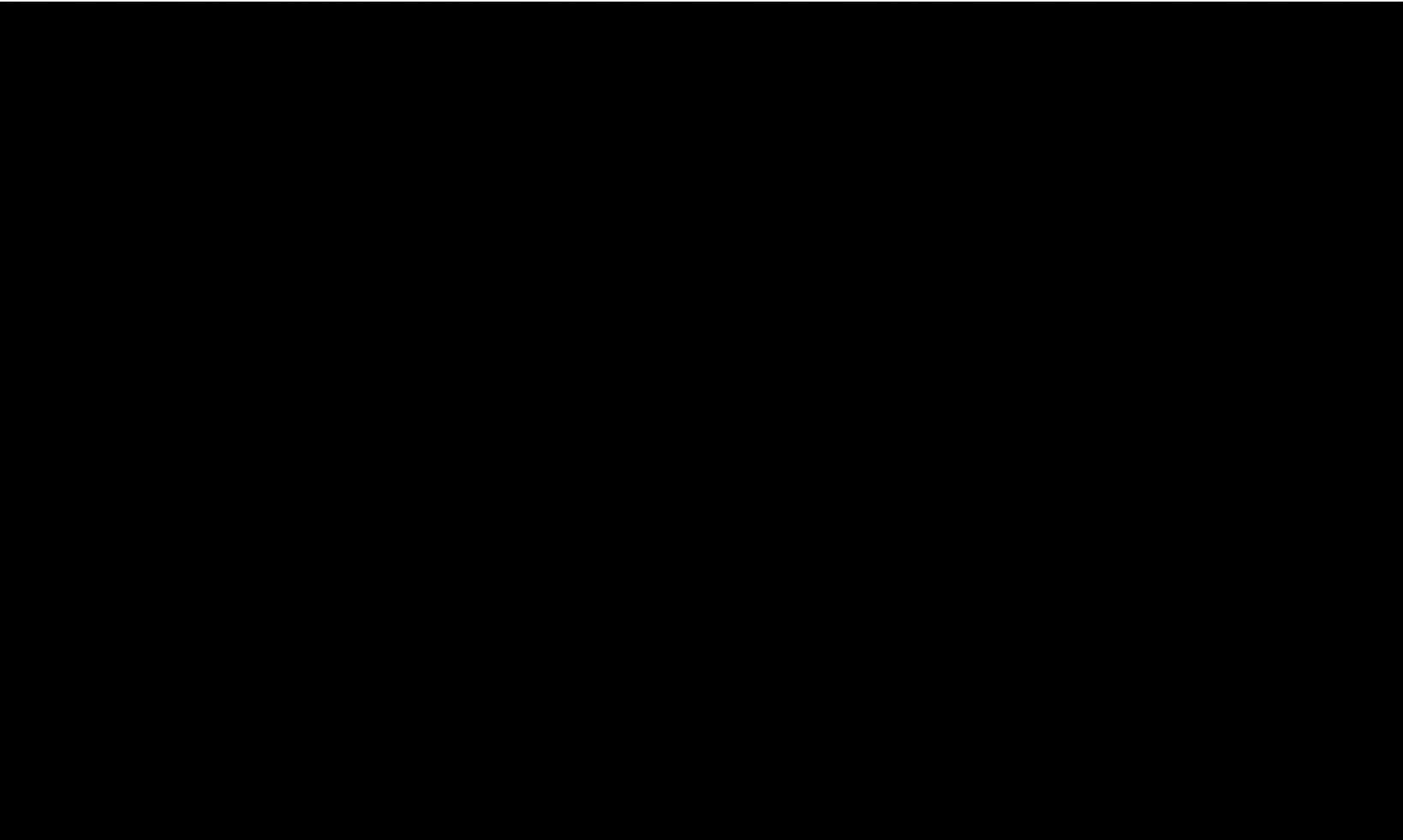
ideo

Easy to do

Great advertising



ideo



Security Awareness Month



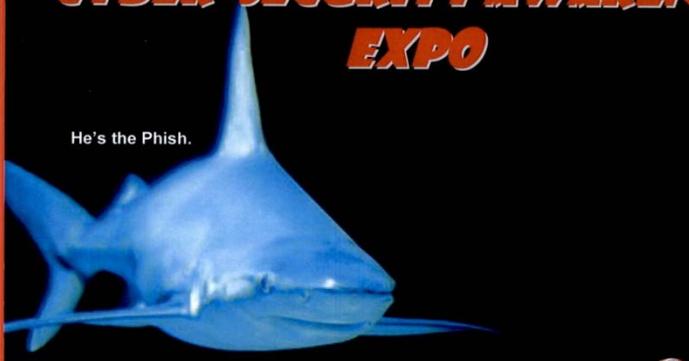
Security Awareness Month



Cyber Security Awareness Month

INFORMATION TECHNOLOGY SECURITY PRESENTS
CYBER-SECURITY AWARENESS
EXPO

He's the Phish.



You're the Bait.

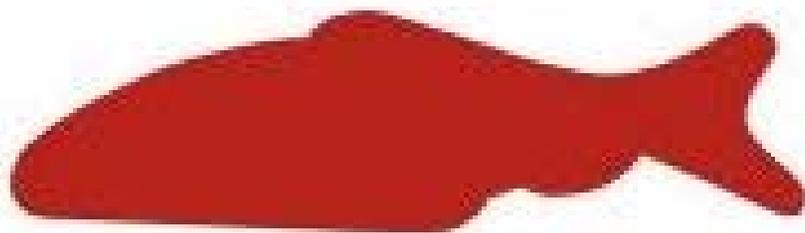
MONDAY, OCTOBER 31ST
MARY PICKFORD THEATRE

10 AM - "I NEED ADMIN NOW!!" (Power User Security Impact) Guy Hadsall -Washington Area Infosec Researcher	2 PM - "GONE PHISHIN'" (Anatomy of a Phishing Scam) Darren Death -ITSG
11 AM - "SPEAR FEAR!" (Spear Phishing Avoidance) Sean Lang - ITSG	3 PM - "OUTSMARTING THE PHISHERMEN" (Phishing in the Library) Joe Garrity - ITSG

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Security Awareness Month

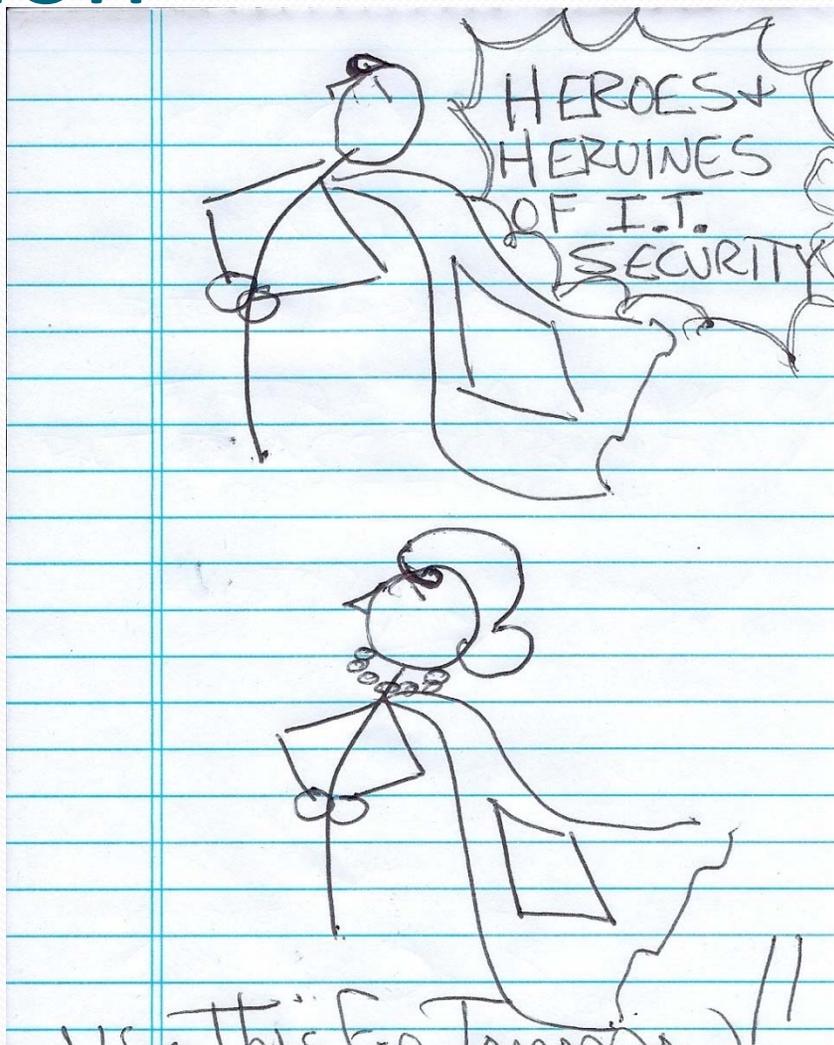


Inspiration

Get your inspiration from anywhere

- Co-workers
- Family and friends
- Other FISSEA members

Inspiration





USE THE RESOURCES

Posters/ideas are available through the FISSEA Security Awareness, Training, and Education Contest—(go to the website)

Presenters-Ask your FISSEA team-someone will speak for you. (use the FISSEA email group)

- (I would be happy to present for you too!)**

Innovate

MAKE the time!

Thank You!

Joe Garrity
IT Security Trainer
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202-707-5515