

# Security Awareness on a Budget

**FISSEA 2011**

# Security Awareness on a Budget

(or even with NO budget!)

**FISSEA 2011**

# 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



**THE THING**  
from the  
**INTERNET**

THE NEXT FILE YOU OPEN MAY BE  
**YOUR LAST**

THESE DAYS, 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.

[http://www.loc.gov/staff/security/sec\\_threats.html](http://www.loc.gov/staff/security/sec_threats.html)

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**INVASION**  
OF THE **PASSWORD**  
**SNATCHERS**

YOU THOUGHT  
YOUR PASSWORD  
WAS SECRET!

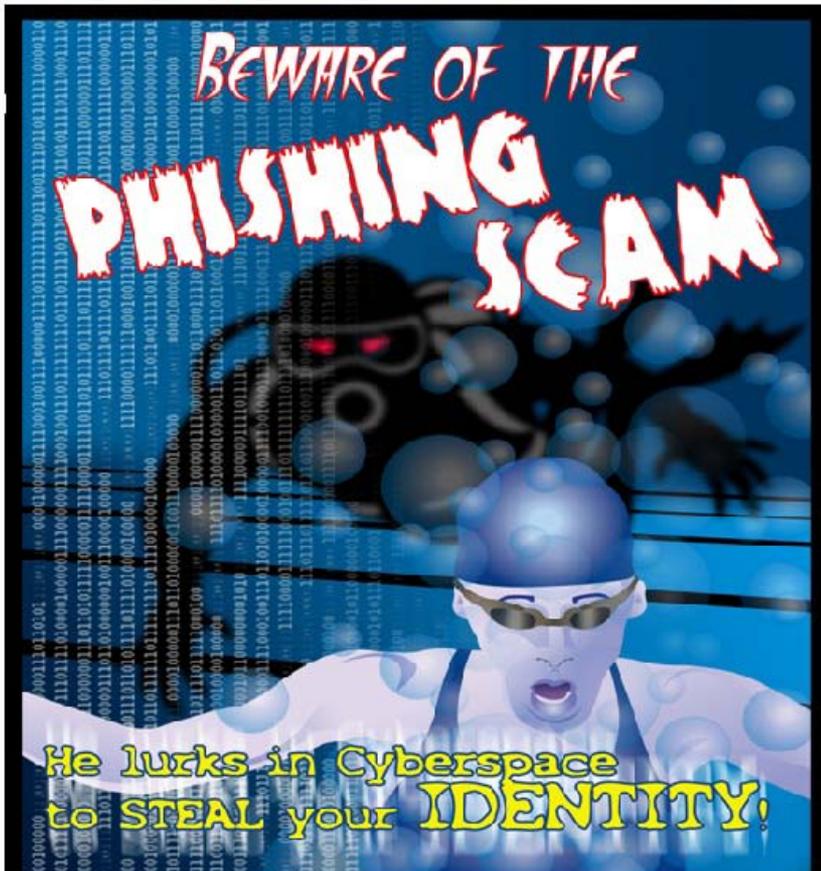
PASSWORD AND IDENTITY THIEVES IN CYBERSPACE COULD CAUSE MORE THAN JUST YOUR COMPUTER TO COME CRASHING DOWN. KEEP YOUR NETWORK AND ADMINISTRATOR PASSWORDS SAFE.

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

For more tips, see:  
[http://www.loc.gov/staff/security/sec\\_threats.html](http://www.loc.gov/staff/security/sec_threats.html)

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# 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.

**TIP: DON'T REPLY TO EMAIL OR POPUP MESSAGES THAT ASK FOR PERSONAL OR FINANCIAL INFORMATION.**

For more tips, see:  
[http://www.loc.gov/staff/security/sec\\_threats.html](http://www.loc.gov/staff/security/sec_threats.html)

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**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.**

For more tips, see:  
[http://www.loc.gov/staff/security/sec\\_threats.html](http://www.loc.gov/staff/security/sec_threats.html)

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# Posters

**PROFESSOR LEMON  
DID IT IN THE LIBRARY...**

***...WITH A  
VIRUS!***

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

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

**TIP: 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.**

  
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For more tips, see:  
[http://www.loc.gov/staff/security/sec\\_threats.html](http://www.loc.gov/staff/security/sec_threats.html)

**DOCTOR ROYAL  
DID IT IN THE LIBRARY...**

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

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

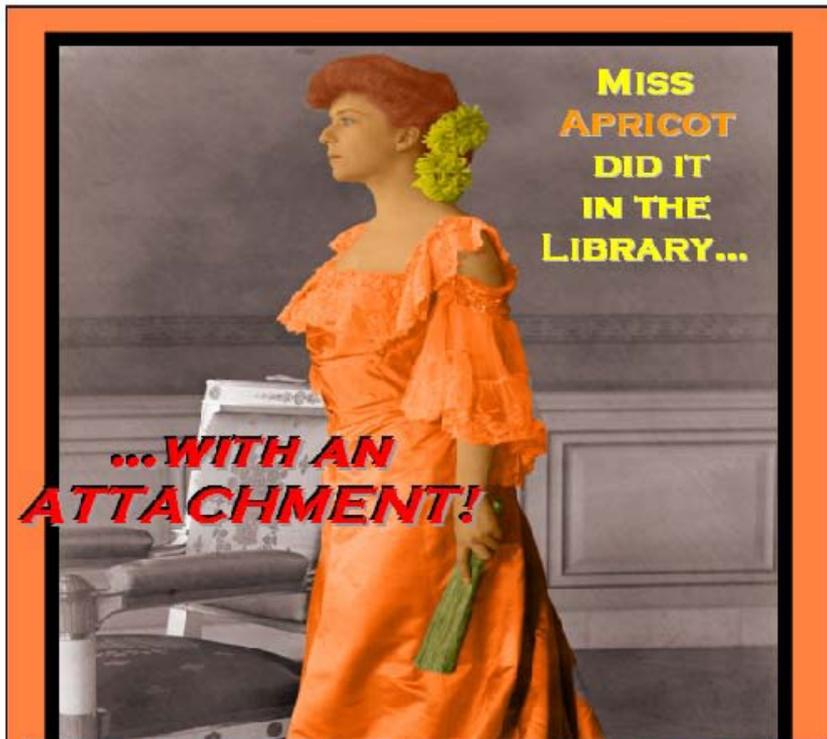
**CERTAIN WEBSITES CAN INSTALL SPYWARE WITHOUT YOUR KNOWLEDGE, WHICH COULD INVADE YOUR PRIVACY BY TRACKING WEB HABITS, MONITORING KEYSTROKES, AND EVEN TAKE CONTROL OF YOUR COMPUTER.**

**TIP: BE CAUTIOUS ABOUT USING "FREE" MUSIC AND MOVIE FILE SHARING PROGRAMS, AND BE SURE YOU UNDERSTAND ALL OF THE SOFTWARE USED BY THESE PROGRAMS.**

  
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For more tips, see:  
[http://www.loc.gov/staff/security/sec\\_threats.html](http://www.loc.gov/staff/security/sec_threats.html)

# Posters



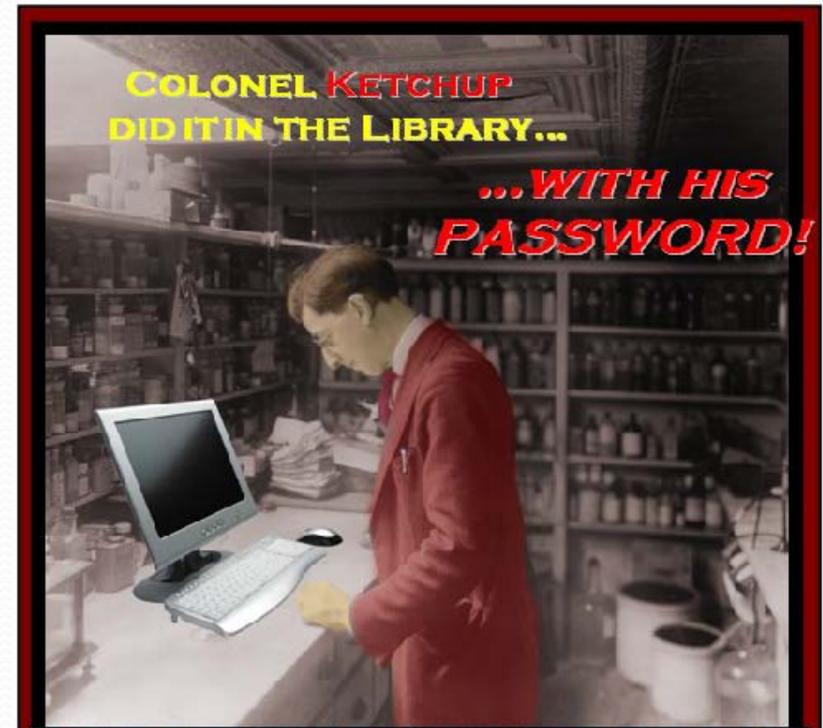
**MISS APRICOT DID IT IN THE LIBRARY...  
...WITH AN ATTACHMENT!  
SHE DIDN'T HAVE A CLUE.... DO YOU?**

ATTACKERS 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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For more tips, see:  
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**COLONEL KETCHUP DID IT IN THE LIBRARY...  
...WITH HIS PASSWORD!  
HE DIDN'T HAVE A CLUE.... DO YOU?**

CYBER CRIMINALS USE SOPHISTICATED TOOLS THAT CAN RAPIDLY DECIPHER PASSWORDS. STRONG PASSWORDS ARE IMPORTANT PROTECTION FOR NETWORK LOGIN AND SAFER ONLINE TRANSACTIONS.

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

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For more tips, see:  
[http://www.loc.gov/staff/security/sec\\_threats.html](http://www.loc.gov/staff/security/sec_threats.html)

# Posters

**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.**

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For more tips, see:  
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# Tchotchkes

- I'm not using this term anymore-WHY?
  - Nobody can spell it
  - Could mean something else entirely

# 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



***People Remember Things Like This!***

# Contest Prizes



# RED BAT



MERLOT

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

# BLACK CAT CABERNET



*Always "PAWS"  
Before Clicking Attachments!*

# 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!*

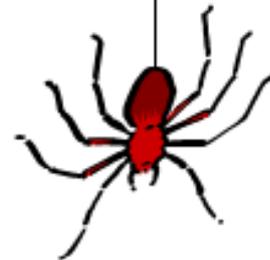
**VAMPIRE**

**BLOOD**  
*of the*  
**GRAPE**



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

**SPIDER  
SILK  
SAUVIGNON**



*Use Care  
When Surfing the Web!*



VAMPIRE  
CABERNET



Revealing Personal Information  
Can Come Back To Bite You

BLACK CAT  
CABERNET



Always "Purr"  
in the Evening

RED BAT  
MERLOT

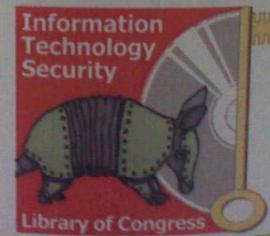


Hackers are  
Creatures of the Night.  
Beware Illegal Downloads

WILD BUG  
SAUVIGNON  
BLANC



Cyber Security  
Awareness Expo 2010  
**THANK YOU!**



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# ***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

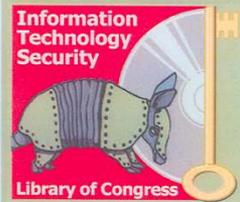
*Presents...*

### A Technical Brown Bag Seminar



## Computer and Videogame Security- Pre-and-Post Release

*Barry Caudill-Executive Producer for Firaxis Software  
discusses the need for security in the videogame world.*



**Wednesday, April 29<sup>th</sup>**  
**Noon to 1PM**  
**LM-G45**



Request ADA accommodations 5 days in advance, 7-6362 or [ada@loc.gov](mailto:ada@loc.gov)  
Sponsor: Computer Security Coordination Group ([infosec@loc.gov](mailto:infosec@loc.gov))

# Security Awareness Month

INFORMATION TECHNOLOGY SECURITY PRESENTS

## **CYBER-SECURITY AWARENESS EXPO**



**Wednesday, October 28<sup>th</sup>**  
A.O.C LMG-45

**Thursday, October 29<sup>th</sup>**  
PICKFORD THEATRE

1 PM - <b>"PASSWORD NIGHTMARES"</b> (Good Password Techniques) Kyle Hendrickson - ITSG	9 AM - <b>"WANNA SEE SOMETHING REALLY SCARY?"</b> (How Hackers Attack) Darren Death - ITSG
2 PM - <b>"ZOMBIES IN THE HOUSE"</b> (Home Computer Security) Bob Falls - Library Services	10 AM - <b>"HACKER VICTIMS"</b> (Web 2.0 Attacks on the End User) Liz Hecker - CISCO
3 PM - <b>"TREATS OR TRICKS?"</b> (Social Engineering) Sarah Garske - ITSG	11 AM - <b>"UNDER LOCK AND KEY"</b> (Cryptography Explained) Randall Easter - NIST

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**PRIZES! - FUN! - TREATS GALORE!  
THRILLS! - CHILLS!**

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Sponsor: Computer Security Coordination Group ([infosec@loc.gov](mailto:infosec@loc.gov))

**OCTOBER 2009**



**NATIONAL CYBER SECURITY AWARENESS MONTH**

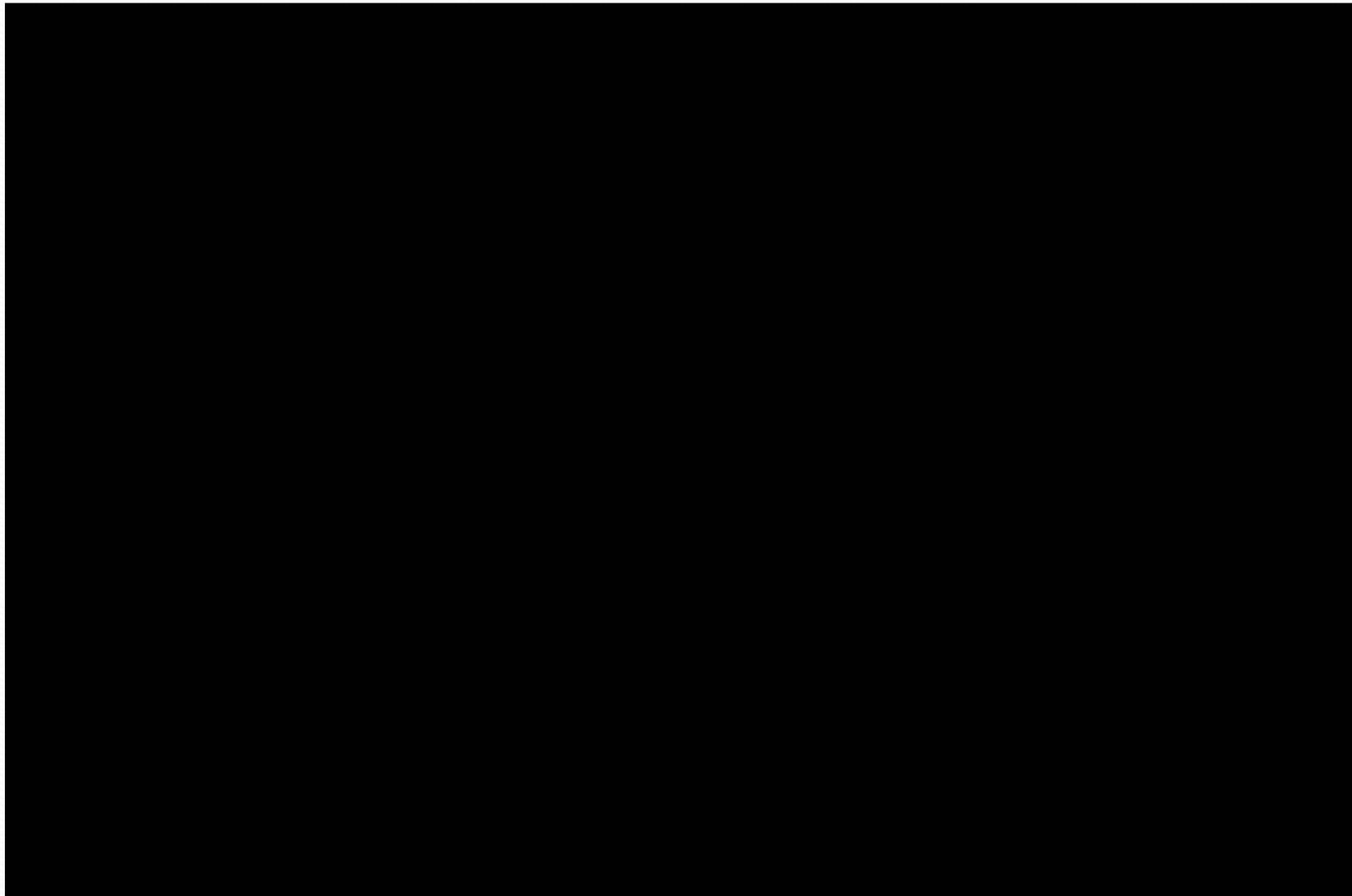
**Our Shared Responsibility**

[STAYSAFE.ONLINE.org](http://STAYSAFE.ONLINE.org)

# Video

- Easy to do
- Great advertising

# Video



# Security Awareness Month





# Security Awareness Month

**INFORMATION TECHNOLOGY SECURITY PRESENTS**  
**CYBER-SECURITY AWARENESS**  
**EXPO**

**GET A CLUE!**

Miss Armitage      Colonel Mustard      Professor Plum      Lady Eewhild      Doctor Royal

Wednesday, October 27 <sup>th</sup> PICKFORD THEATRE	Thursday, October 28 <sup>th</sup> PICKFORD THEATRE
<p>9 AM - <b>"THE GUILTY PARTY!"</b> (Anatomy of a Phishing Scam) Darren Death ITSG</p> <p>10 AM - <b>"WHODUNNIT?"</b> (Protecting your face in Cyberspace) Sarah Garske ITS/OPESE</p>	<p>9 AM - <b>"STORM CLOUDS BREWING!"</b> (Cloud Computing, Security and You) Adam Swidler Google</p> <p>10 AM - <b>"LET'S PUT IT TO A VOTE!"</b> (Security Vulnerabilities in U.S. Voting Machine Systems) Micah Sherr - Georgetown Univ.</p>

**PRIZES! - FUN! - TREATS GALORE!**  
**THRILLS! - CHILLS!**

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 Sponsor: Computer Security Coordination Group ([infosec@loc.gov](mailto:infosec@loc.gov))

# Security Awareness Month

**October 2011**

**Brainstorming Time**



# 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!**
- **Have FUN!**



# Thank You!

**Joe Garrity**  
**IT Security Trainer**  
**Library of Congress**  
**[jgarr@loc.gov](mailto:jgarr@loc.gov)**  
**202-707-5515**