



The CyberSentinel

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Commissioner's Cache



CyberPatriot VII is here! Through a lot of great ideas and hard work, there is a lot that is new!...The Practice Round (Oct. 8-22) for all teams will include Cisco's Networking Challenge for the first time. Then we move on to Round 1 for high school teams Oct. 24-26. (Middle school teams have an additional practice round that weekend.)... And thanks to OUTSTANDING input from our Coaches, Mentors, and their teams, the latest version of the CyberPatriot Competition System is much improved... And we heard YOU on competition design, too. Teams will now have the opportunity to compete with teams at their skill-level in our State and Region Rounds... Be sure to look on the back page of this issue for cool pics of Ken Steffey and Ron Woerner receiving the CyberPatriot Coach and Mentor of the Year awards at the AFA National Convention on Sept. 14. They did a great job representing the best of CyberPatriot to the more than 1,000 attendees from government, industry, and AFA, to include our sponsors... As always, a special thanks to our Presenting Sponsor Northrop Grumman Foundation and the rest of our other generous sponsors (listed in this issue) for making CyberPatriot possible... Don't forget that team registration closes Oct. 10, so don't delay signing up for the competition... Oh! If you have Internet connection problems, be sure to request an AT&T air card soon. There is a limited supply... Good luck in CP-VII. Will we see YOUR team at the National Finals Competition in March? I hope so!

Bernard K. Skoch
National Commissioner
CyberPatriot
Air Force Association



Program Office Bits

COACH REGISTRATION DEADLINE:
OCT. 10, 2014

Team Fee Payment: Due Nov. 5, 2014

Practice Round: Oct. 8-22, 2014

Round 1: Oct. 24-26, 2014

Features

Page

- 1 Commissioner's Cache
- 1 CP-VII Practice Rounds and Round 1 Set for October
- 2 Sponsor Profiles: AT&T and US Department of Homeland Security
- 2 Coaches' Corner
- 2 Are Your Teams Registered Correctly?
- 3 Spotlight on Women in STEM
- 4 CyberPatriot Word Search
- 4 NCWIT Award for Aspirations in Computing
- 4 This Month in Cyber History

CP-VII Practice Rounds and Round 1 Set for October

The CyberPatriot VII Practice Round and Round 1 of Competition are coming soon! The Practice Round will take place between Oct. 8 and 22, 2014, and Round 1 will follow shortly after on Oct. 24-26.

Practice Round



The Practice Round will familiarize teams with the newest version of CCS, allow teams to apply some of the topics they have learned during training, and give

Coaches, Competitors, and Mentors an idea of what a round of competition looks like. The Practice Round will be very similar to the five Exhibition Rounds that took place this summer. Teams will receive a Download and Instructions email the week before the Practice Round so that they may download the Windows 7 and

Ubuntu images.

Unlike images in the scored rounds of competition, the Practice Round images may be open for longer than six hours, may be opened an unlimited number of times, and may have multiple instances running concurrently. They contain basic vulnerabilities relating to introductory system administration concepts and should be deleted upon the end of the round at 12:00 midnight EDT. Students are welcome to access the images from their home locations; however it is the Coach's responsibility to assure that the images are used within the rules and that the students delete the images at the end of the round.

Round 1

Round 1 of CyberPatriot VII will be the first scored round of the season. During a six con-



secutive-hour period from Oct. 24-26, students will have their skills tested on one Windows 7 workstation and one Windows Server 2008 image. The six-hour period begins when students open up their first image, so teamwork is extremely important to completing both images on time. Scores from Round 1 will help determine which of the three tiers (Silver, Gold, or Platinum) teams are placed in.

Practice Round (Middle School Division)

The weekend of Oct. 24-26 will be the second practice round for the Middle School Division. The same rules from the first Practice Round apply to the second.

Best of luck to all teams!





Sponsor Profiles: AT&T and the US Department of Homeland Security



at&t

For the third consecutive year, AT&T is supporting CyberPatriot. This year, AT&T has continued its generous support with a donation of 325 3G SIM cards for use in AT&T air card devices used by participants during the upcoming cyber defense competition.



AT&T, a long-standing source of network-enabled technology solutions for federal government, has provided the SIM cards for the last three years to ensure teams have sufficient bandwidth needed to prepare for the competition. Without these SIM cards, many of the current teams would be unable to participate. Thank you for your continued support, AT&T!



The CyberPatriot Program Office is pleased to announce the return of the US Department of Defense and the Department of Homeland Security as Cyber Diamond level sponsors! This is the second year that these entities have offered their generous support to the program. The

funding will be used for further outreach to schools and youth organizations across the country, which will help foster program expansion. We are happy to have them on board!

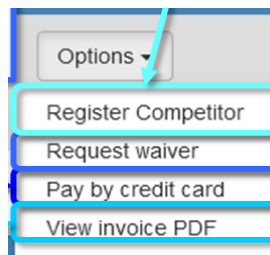
Are Your Teams Registered Correctly?

New systems can be confusing, so confirm that you have completed these steps to ensure your team is fully registered before the Oct. 10 deadline!

1. Create a CyberPatriot Volunteer account. By doing this, you will have a username and password that can be used to log in to Volunteer Central.
2. After logging in, you will be brought to the Dashboard. Click the "Create Team" button to add your first team. DO NOT list yourself as the Verification Official.
*Note: If you do not see "Create Team" button please try using version 9 or newer of Internet Explorer or use Mozilla Firefox or Google Chrome.
3. Once you submit the team registration, your team's information will appear on the dashboard. Here you can see your Team Status:
Awaiting Verification— Verification Official has not yet approved team
Approved— Can now add competitors via "Options" drop-down menu
4. Payment for Open and Middle School Division teams can also be submitted using the "Options" drop-down menu. Pay via credit card or view invoice to pay by check.
5. To register another team, repeat steps 2-4.

For detailed instructions, go to:

<https://www.uscyberpatriot.org/Pages/Registration/How-to-Register-a-Team.aspx>



Coaches' Corner

- **Online Coaches' and Mentors' Meetings.** This month's Coaches' Meetings are a great time to ask any questions about the competition before the first rounds of CP-VII! The first meeting will provide round details in a slideshow, with a question and answer session afterward. The second meeting will have a shorter slide presentation and focus on questions from participants of all experience levels. Information on joining these meetings will be emailed to all registered Coaches and Mentors a week before the first meeting. Below is the October meeting schedule.
- Oct. 14 — 4:30 pm ET/3:30 pm CT/1:30 pm PT
- Oct. 16 — 9:00 pm ET/8:00 pm CT/6:00 pm PT
- **Requests for AT&T Air Card.** A survey regarding air card requests was sent out to Coaches the first week of September. If your team is in need of air cards, please complete the survey ASAP. Air cards are issued based on level of need and date of survey submission. Coaches who have not returned their air cards from previous seasons will be ineligible to receive air cards this season.
- **CyberPatriot VII Registration.** The deadline to register as a Coach for CP-VII is Oct. 10, 2014. Registration can be completed online at www.uscyberpatriot.org. Please note that individuals must complete the volunteer registration before beginning the Coach registration process. [Click here for detailed instructions](#) on how to complete the process. Team registration fees are due by Nov. 5, 2014.
- **Participant Kits.** Participant kits for CP-VII will be sent out to teams starting after the Nov. 5 deadline to finalize team rosters. This season's kits will include a t-shirt, challenge coin, lapel pin, pen, and sunglasses for the Coach and each Competitor and Mentor linked to the team. Packages will be shipped to the address provided by the Coach during the online registration process (Due to a FedEx policy, we cannot ship to PO boxes. Street address must be given.) We appreciate your patience, as it is a long process to pack and ship the kits for each team.

The CyberSentinel

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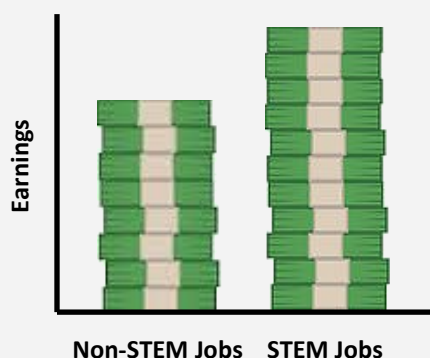


Spotlight on Women in STEM



33%

Women who work in science, technology, engineering, and math fields earn on average 33 percent more than their counterparts in other fields.



Source: www.whitehouse.gov

Fortune's Most Powerful Women in Business



There is an encouraging shift occurring in the industry makeup of women leaders in business. Take a look at the 2014 list of Fortune's Most Powerful Women in Business, and you'll see that over 20 percent of the women leaders are heading some of the biggest and most well-known technology companies. If you were to look back 15 years ago, only one of the 50 Most Powerful Women was in the tech sector. Back then, most of the women on the list were in charge of marketing or advertising in retail industries. Today, however, the women listed majored in computer science, engineering, and math.

Source: <http://fortune.com/2014/09/22/women-and-stem/>

Rank	Name	Company	Title	Industry
1	Ginni Rometty	IBM	Chairman, CEO, and President	Tech
6	Meg Whitman	Hewlett-Packard	Chairman, CEO, and President	Tech
10	Sheryl Sandberg	Facebook	COO	Tech
14	Safra Catz	Oracle	Co-President and CFO	Tech
16	Marissa Mayer	Yahoo	CEO and President	Tech
17	Ursula Burns	Xerox	Chairman and CEO	Tech
19	Susan Wojcicki	YouTube	CEO	Tech
21	Renee James	Intel	President	Tech
33	Bridget van Kralingen	IBM	SVP, Global Business Services	Tech
35	Lori Lee	AT&T	Senior EVP, Home Solutions	Telecom (Tech)
45	Sondra Barbour	Lockheed Martin	EVP, Information Systems & Global Solutions	Aerospace & Defense

We Need More Women in Computing Jobs

It's no secret that there is a gender imbalance in computing professions. What most people don't realize, however, is that it's not just a problem for women, it's a problem for everyone:

- The lack of women in computing means lack of programmers, which means trouble for the US economy that is so heavily dependent on technology.
- Computing jobs (e.g., IS managers, software developers, systems analysts) are some of the best and highest paying jobs, yet women are missing out on the opportunity.
- Diversity plays an important role within departments and within entire companies. The absence of women within tech companies can prove to be detrimental to their advancement.

Much like how women took over the factory jobs during World War II, we need women to take over the computing jobs so the United States can continue to strive as a nation.

Source: http://www.mercurynews.com/mike-cassidy/ci_25224467/women-missing-out-lucrative-careers-computer-science



CyberPatriot Word Search



APPLICATIONS
DISK
FORENSICS
INFORMATION

MITIGATE
PERMISSIONS
ROOT
SERVICES

SUDO
TELNET
UPDATES

Z V W T G E N Z F S E S E
F O S A G V O W G P S R P
W D N I F E I B S T C B E
E U O Y H T T U E E I P R
P S I P L A A Q T N S U M
Z K T T D G M S A L N N I
P S A U M I R E D E E I S
M I C C B T O R P T R Q S
T D I K C I F V U Q O Z I
O P L P B M N I I Z F J O
O Y P F P B I C K B V M N
R A P A W M W E J T Q C S
U F A B Y R M S J N V F H



AFA Chairman George Muellner (left), Vice Chairman Aerospace Education Jerry White (second from right), and Vice Chairman Field Operations Scott Van Cleef (right) present Ken Steffey (above, second from left) and Ron Woerner (below, second from left) with their respective CP-VI Coach and Mentor of the Year awards at the Field Awards Dinner during AFA's National Convention.



NCWIT Award for Aspirations in Computing



The NCWIT Award for Aspirations in Computing (AiC) honors young women who are active and interested in computing and technology and encourages them to pursue their passions. This multi-tiered competition includes recognition at the national level (sponsored by Bank of America) and at the local level (sponsored by Microsoft), serving 50 states, the District of Columbia, Puerto Rico, and the US Virgin Islands.

Aspirations Award recipients are chosen for their outstanding aptitude and interest in computing, proven leadership ability, academic performance, and plans for post-secondary education. For more information, please visit www.aspirations.org/fags.

Each award recipient receives recognition at an award event, scholarship and internship opportunities, access to a peer network of technical young women in the NCWIT AiC Community (sponsored by Bloomberg), and various other prizes — computing resources, gadgets, sponsor swag, engraved awards and certificates, and more. Additionally, National Award recipients receive a trip to attend the Bank of America Technology Showcase and Awards Ceremony in Charlotte, N.C., on March 7, 2015.

Educators can apply, too! The NCWIT AiC Educator Award (sponsored by AT&T) recognizes teachers, counselors, administrators, mentors, and other educators who make a special effort to support girls' interest in technology.

Both students and educators can apply online at <https://www.aspirations.org/user/register> no later than 11:59 p.m. EST on Nov. 2, 2014.

This Month in Cyber History



Oct. 12, 1988 — Steve Jobs unveiled the NeXT, the computer he conceived of after moving on from Apple Computer Inc., which he had founded with Steve Wozniak. Although the NeXT ultimately failed in the marketplace, it introduced several features new to personal computers, including an optical storage disc, a built-in digital signal processor that allowed voice recognition, and object-oriented languages that simplified programming. It's relatively high price of \$6,500 limited sales. NeXT Computer Inc. eventually became NeXT Software Inc. and then was bought by Apple in 1997.

For more information, visit:

www.computerhistory.org/tdih/October/12/

Presenting Sponsor



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