



ISSUE 57 | DEC 2016

THE CYBERSENTINEL

The official newsletter of CyberPatriot—AFA's National Youth Cyber Education Program

COMMISSIONER'S CACHE



I don't know about you, but the notion that the holiday season is almost here is to me mind boggling. We are already through an OUSTANDING first round of CP-IX competition and are preparing for another shortly.

Time is zipping by. But it's not zipping by so fast that the great people serving you in the CyberPatriot Program Office aren't doing other amazing things. We will soon be formally announcing two amazing new initiatives. First, we will be publishing this coming year an exciting children's storybook telling the tale of a young super-hero girl who saves the day because she knows about cybersecurity. We expect to have it ready by the fall of 2017. And we are readying a special program for senior citizens who, tragically, are far too often exploited on the internet. Stand by for news on both.

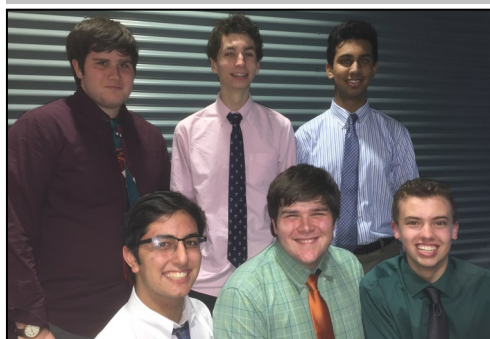
As always, our great thanks to the Northrup Grumman Foundation and our other visionary sponsors. Without them none of the great work we--and YOU--are doing would be possible. Happy Holidays!

Bernard K. Skoch | National Commissioner



DATES TO KNOW

DEC 6	Coaches Meeting
DEC. 9-11	CP-IX Round 2
DEC. 24-JAN 2	CP Program Office Closed
JAN. 3	CP Program Office Open
JAN. 13-15	CP-IX State Round



The first team to officially compete in CyberPatriot IX — Team Green of the Flint Hill School of Oakton, Va., coached by Michael Snyder. Team Captain Vale Tolpegin said, "This is our second year competing and we are very excited to participate again. We hope to be even more successful than we were last year."

ROUND 1 BEGINS NEW SEASON — TEAMS EYE DECEMBER TRIAL

CyberPatriot IX began with a flurry of activity on Nov. 11. In front of a gathering of CyberPatriot supporters at the Air Force Association building, Diane Miller of Northrop Grumman Corporation initiated the competition server and kicked off the CyberPatriot IX competition. Joining Diane were representatives from CyberPatriot sponsors Cisco and AT&T.

The CyberPatriot scoreboard rapidly filled with teams' scores and Round 1 was on track to become the largest round in CyberPatriot history with well over 3,000 teams participating.

Earlier in the morning, the UK's CyberCenturi- on kicked off their competition. More than 80 teams competed in their Round 1.

The round had a several firsts. It was first round extended to a fourth day for teams that were not able to compete in their schools during the Veterans' Day Holiday which coincided

with the start of the round. High School teams competed in the Cisco Networking Challenge in Round 1 for the first time. The challenge had been reserved for Round 2 in past seasons.

Round 1 was designed to reinforce the basics of cybersecurity. According to Frank Zaborowski, Senior Director of CyberPatriot Operations, "Round 1's goal was for teams to succeed through using cybersecurity fundamentals while experiencing a few of the more complex problems associated with cybersecurity. From the number of high scores across the divisions, I believe we met our goal." He added, "The round also gave newer teams an opportunity to execute and adjust their plans and organizations before competing in the higher-stress environments of future rounds."

Round 2 is scheduled for Dec. 9-11 and the stakes will be high. All Service and Open Division teams' combined Round 1 and 2 scores

will determine the tier in which they will compete in the State and Regional Rounds.

Teams will be assigned to their tiers based on the following percentages of scores.

Platinum Tier—Top 30%

Gold—Middle 40%

Silver—Remaining Teams

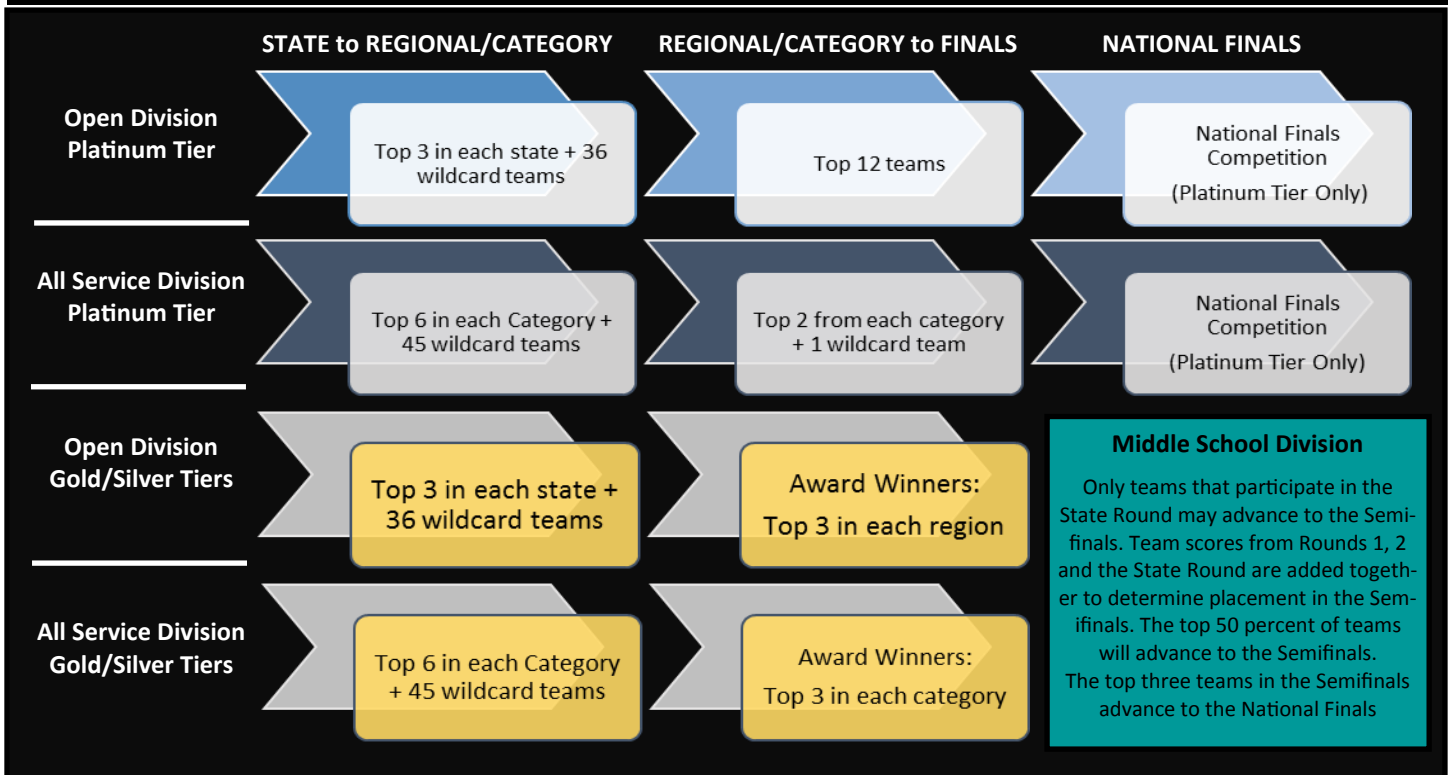
See page 2 for a full round advancement chart.

Tips for Round 2

The CyberPatriot Program Office recommends the following tips for teams in Round 2.

- Ensure your team Unique ID is correct. Teams may be penalized for mix-ups.
- Shutdown or reboot the host computer when an image is deleted or the team is finished competing. It will kill all processes.
- Do not "sneak peek" or open an image early. It will cause a team to go overtime. Time starts when the Play button is pressed on the first image.

COMPETITION ADVANCEMENT



CYBERPARTNER: VERIS GROUP

VERIS GROUP

Thank you to Veris Group for becoming a CyberPartner, donating \$5,000 to the growth and support of the program!

Veris Group was established in 2005 by co founders Doug Greise and Dave Svec. While serving as consultants and program managers at a global consulting firm, Doug and Dave recognized the industry's need for a better balance of analytical and technical tools and expertise to more effectively manage evolving cybersecurity challenges. Thus, Veris Group was created.

Since its inception, Veris Group provides high quality cybersecurity services through an innovative company culture, expertise-based infrastructure, and solid strategic partnerships to support rapid growth.

Veris Group operates daily with a core focus to provide real value to clients with enduring, cost effective, and sustainable business solutions. Just as importantly, Veris Group believes in the essential responsibility to be good corporate citizens in its community, having been committed to giving back to communities by contributing funds to support ongoing work of local and national charities and nonprofits. Veris Group also actively encourages its employees' direct involvement in charitable organizations and causes meaningful to them.



Why did
the web
developer
go broke?

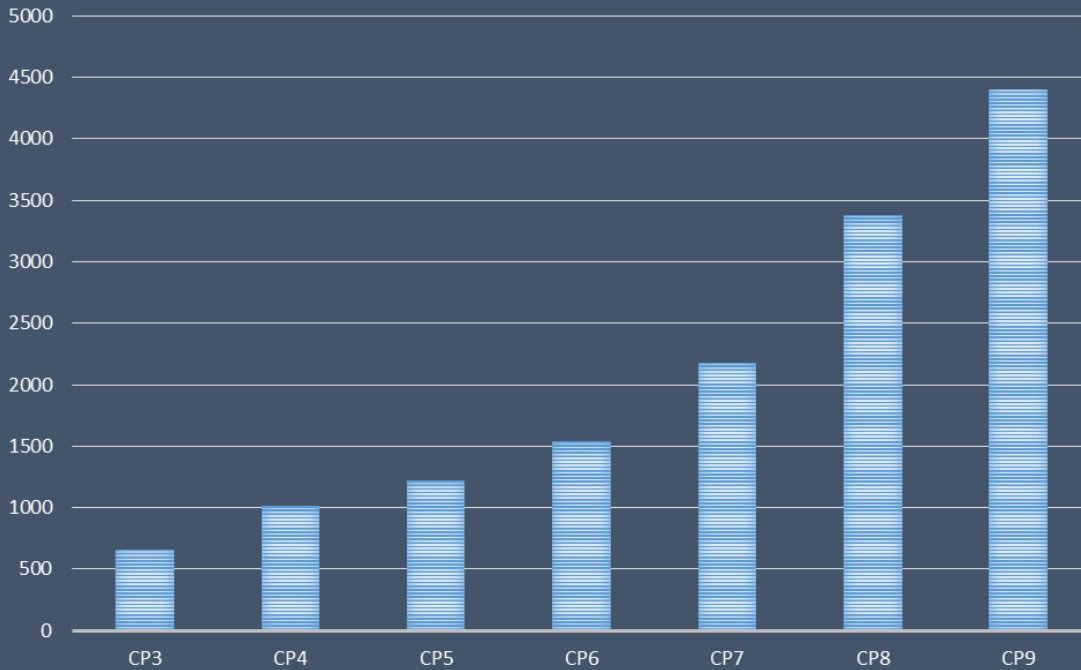
Because he used up
all his "cache" on
holiday "gifts"

Coaches' Corner

- **CP-IX Registration Fee Payment.** The CyberPatriot Program Office is still accepting payment for CP-IX teams. Payment can be made via credit card (online or over the phone), PO, or check. POs can be emailed directly to info@uscyberpatriot.org
- **Coaches Meeting/Open Q&A.** The next online Coaches Meeting is Tuesday Dec. 6, 2016. The format is a WebEx chat session for any CyberPatriot topic. This is not a mandatory meeting, rather a good time to ask any questions about the upcoming round or program in general

SPOTLIGHT: CYBERPATRIOT BY THE NUMBERS 2016 RECAP

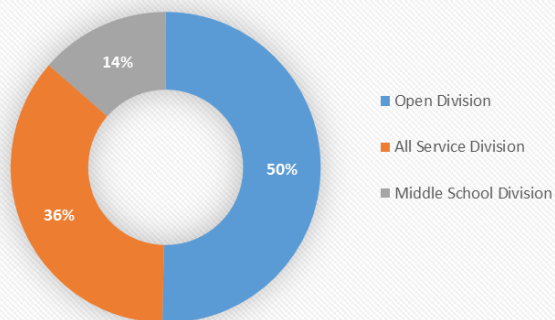
TEAM REGISTRATIONS



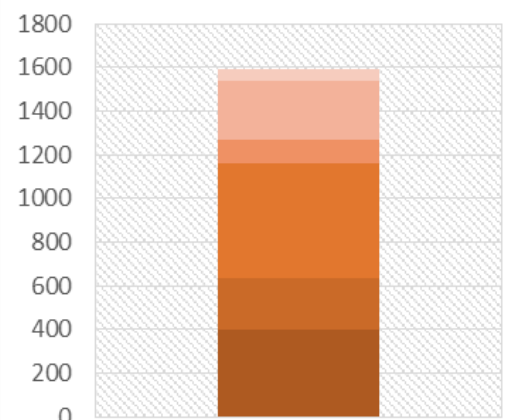
76% MALE
24% FEMALE



DIVISION BREAKDOWN



ALL SERVICE CATEGORIES



**33%
GROWTH**

TWO HUGE ADDITIONS COMING IN 2017



1. Cyber safety is not just for teens, look out for the new cyber hero in town. **CyberPatriot Children's Book** will be available Fall 2017 as part of the Cyber Education Literature Series.

2. Have a special Senior Citizen in your life? Cyber awareness has no age limit and awareness is key for cyber safety. The **CyberSilver** program will be introduced summer 2017.



WORDSEARCH.EXE

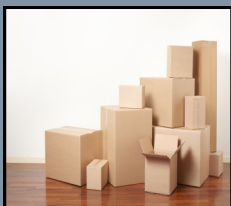
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Z Z L S K D R A O B E R O C S
J E C I S N E R O F O T I G R
I C Y B E R P A T R I O T S T
S E I T I L I B A R E N L U V
U X N G U T N U B U C S J A C
H D C V M U S K C E H C S O B
W X R D C O M P E T I T I O N
G N U C K O D C I S C O A U O
E H R U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

CYBERPATRIOT
COMPETITION
UBUNTU
CISCO
VMWARE
FORENSIC
VULNERABILITIES
CHECKSUM
SCOREBOARD
README

CP-IX PARTICIPANT KITS ARE EN ROUTE!

As of Dec 1, the first batch of boxes have been sent to coaches, thanks to the help of Fulfillment Strategies International (FSI). Here's what to expect:

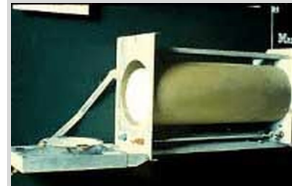
1. In the box: T-Shirt, challenge coin, lapel pin, stylus pen, charging cables, participation certificate, and cyber bullying booklet (courtesy of Symantec) for the coach and each student listed on the roster. T-Shirt sizes cannot be changed at this point in time.
2. Packages will be sent to the shipping address provided by the Coach during the online registration process. Coaches with multiple teams will receive 1-2 boxes containing gear for all teams.
3. Coaches will be notified when their package has been sent. **All packages are expected to be delivered by Dec. 20.**



Please note:

1. Order for unpaid teams or teams without competitors registered to the roster (as of Dec. 2) will be withheld.
2. Teams that paid late or registered competitors late will not receive their kits until after all the other kits have been delivered.
3. Participant kits for mentors will be sent separately at a later date. Only mentors who are officially registered and linked to a team roster will receive a package.

THIS MONTH IN CYBER HISTORY



Dec. 11, 1946 — On this day in cyber history, the patent for Sir Frederick Williams' random-access memory device was issued.

The cathode-ray tube, known as The Williams tube, was created by Williams at Manchester University. The storing device painted dots and dashes of phosphorescent electrical charges on a screen. These dots and dashes represented binary ones and zeros. The tube stored roughly 128 40-bit words and became the first primary memory for vacuum tube machines.

For more information, visit:

<http://www.computerhistory.org/t dih/November/15/>

Presented by:

NORTHROP GRUMMAN
Foundation

Cyber Diamond



Cyber Gold



Cyber Silver

