



ISSUE | MAY  
62 | 2017

# THE CYBERSENTINEL

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

## COMMISSIONER'S CACHE



And, far too quickly, another season of the National Youth Cyber Defense Competition has drawn to a close. And what a season it was! From a field of registering teams far larger than any in history, to online rounds that were the best and most competitive ever, and to a National Finals Competition that elicited comments from spectators like (no joke) "This is the most amazing thing I have ever attended!", CP-IX was OUTSTANDING! Thank you for making it so. You will see in this issue of The CyberSentinel our many winners. And while you will indeed see and read of the champions who earned their trophies, medals, and scholarships, the pool of CP-IX "winners" is far larger than those whose photos you will see here. Our CP-IX "winners" include the thousands of coaches, mentors, and team volunteers who gave even more thousands of hours working with our youth. Our "winners" include the school administrators and school board members who captured the CP vision and invited the program into their schools. Our CP-IX "winners" include the hundreds of active AFA volunteers who devoted time to recruiting teams to the best STEM program in the nation. Our CP-IX "winners" include our CyberPatriot sponsors, led by the Northrop Grumman Foundation, who share our vision of attracting young students to cybersecurity and who provide the means for our program to serve so many students. And most of all, our CP-IX "winners" include every student who participated. It is these people for whom we exist, and they "won" this year by learning, growing, leading, and following, becoming the technical workforce of tomorrow our nation and its friends need so much. So when we say "Congratulations to all of our winners!" we are likely including you. Congratulations!

Now let's get registered for a 2017 AFA CyberCamp, and let's get your teams registered for CP-X!

Bernard K. Skoch | National Commissioner



## DATES TO KNOW

MAY 17	Start of Exhibition Round 1
JUN. 12	End of Exhibition Round 1
JUL. 12	Start of Exhibition Round 2
AUG. 7	End of Exhibition Round 2



SIGN UP FOR  
CYBERPATRIOT X  
TODAY!  
(It's the cool thing to do!)

## CYBERPATRIOT-X: NEW SEASON, NEW COMPETITION

April 1 marked the beginning of our 10th competition season. Below are some updates.

- **Competition Schedule.** The CP-X schedule is located at: <http://www.uscyberpatriot.org/competition/competition-timeline>.
- **Exhibition Rounds — More Days, New Images.** This season the Exhibition Rounds are approximately 25 days each. Debian 7 and Windows 10 are the new Exhibition Round images. All registered teams may use the rounds for orientation, recruitment, and basic image training.
- **64-Bit Host Computers Needed.** This season, 64-bit host computers will be required to successfully compete in all competition rounds. Some images will operate only on a 64-bit, host operating system and will not be compatible with 32-bit, host operating systems. Compatibility issues with 32-bit host operating systems are not grounds for special consideration or an appeal.
- **VMware Workstation Player.** The 64-bit VMware Workstation Player is the standard for CyberPatriot X. It replaces VMware Player 6.0.7. It can play 64 and 32-bit images. Other players may be used, but are not supported by the Program Office.
- **Competition Design Review.** The competition design is under review. There will be four competition rounds, but the organization of those rounds may change.
- **Competition Survey, (May 5 - May 22).** The competition survey will be released to Coaches May 5 and is due May 22. It is your time to tell the Program Office things you would like to see added or changed in CP-X.

OVER 100 AFA CYBERCAMPS ARE SCHEDULE FOR THIS SUMMER!

Air Force Association | 1501 Lee Highway | Arlington, VA 22209  
info@uscyberpatriot.org | 877-885-5716 | www.uscyberpatriot.org

Publisher: B. Skoch | Editor: R. Dalton  
Asst. Editor: F. Zaborowski



MAY  
17



## SPOTLIGHT: CYBERPATRIOT IX NATIONALS COMPETITION





## SPOTLIGHT: CYBERPATRIOT IX WINNERS



NORTH HOLLYWOOD HIGH SCHOOL | Togo | Coached by Jay Gehringer



**Runner-Up**  
RED BANK  
REGIONAL HIGH  
SCHOOL

*Team Maroon*

Coached by:  
Mandy Galante



**3rd Place**  
POOLESVILLE  
HIGH SCHOOL  
Falcons

Coach by:  
Mark Estep



COLORADO SPRINGS CADET SQUADRON | Wolfpack | Coached by Bill Blatchley



**Runner-Up**  
TROY HIGH  
SCHOOL NJROTC  
*Cyber Warriors 3*

Coached by:  
Allen Stubblefield



**3rd Place**  
MONTACHUSETT  
REGIONAL  
VOCATIONAL  
TECHNICAL SCHOOL  
*Marine Raiders*

Coached by:  
Paul Jornet



SUMMIT LAKES MIDDLE SCHOOL | Error 37 | Coached by Teri Curp



**Runner-Up**  
OAK VALLEY  
MIDDLE SCHOOL  
*CyberRaptors*

Coach by:  
Paul Johnson



**3rd Place**  
OAK VALLEY  
MIDDLE SCHOOL  
*CyberAegis Project  
Eeveelution*

Coach by:  
Paul Johnson



## ELK GROVE UNIFIED SCHOOL DISTRICT NAMED 10TH CENTER OF EXCELLENCE

The Air Force Association's CyberPatriot program is pleased to announce Elk Grove Unified School District (EGUSD) of southern Sacramento County as its tenth CyberPatriot Center of Excellence.

The Center of Excellence designation is awarded to communities and institutions that provide leadership and support to further the educational experiences of their students through the CyberPatriot program. CyberPatriot established the Centers of Excellence program in 2011, and has since then recognized nine other entities – Los Angeles Unified School District, the City of San Antonio, Spokane Public Schools, Rose State College (Okla.), Fairfax County Public Schools (Va.), STEMspark East Tennessee Innovation Hub, Huntsville City Schools (Ala.), and

Lee's Summit R-7 School District (Mo.), and the Southern California Cybersecurity Community College Consortium.

EGUSD is the fifth largest school district in California and the largest in northern California, comprised of 39 elementary schools, 9 middle schools, 9 high schools, 4 alternative education schools, an adult school, a special education school, and a charter school. The district serves over 63,000 students with plans to expand for the 2017-2018 school year.

"Students don't care how much you know until they know how much you care," says Sean W. McNally, EGUSD's CyberPatriot Coordinator. "Getting our students access to cyber security professionals through a volunteer program will give our students the upper hand when it comes to inter-

viewing for future jobs. Students who participate in CyberPatriot since their 7<sup>th</sup> grade year can graduate High School with up to six years of experience in cyber security. That experience is priceless."

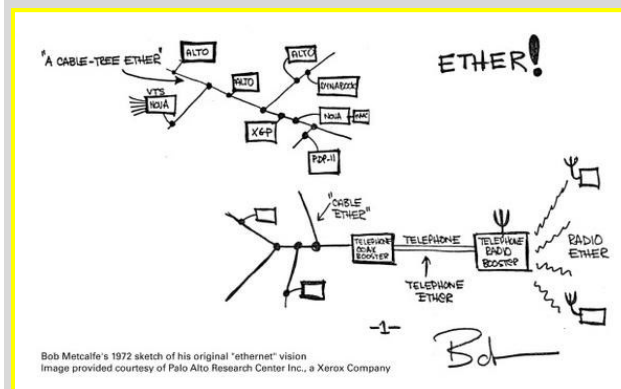


### Coaches' Corner

- **Air Card Return.** If you received any AT&T 3G Air Cards from the CyberPatriot Program Office for use during the CyberPatriot IX season, please return the Air Cards to the CyberPatriot Program Office ASAP. For return instructions, contact Melissa Thayer at 877-885-5716.
- **CyberPatriot X Registration is OPEN.** All current coaches who plan on participating in the CyberPatriot X competition season (2017-2018) must re-create their teams for the new season. CP-IX rosters have been removed from the volunteer dashboard. You will be assigned a new team number for the next season upon re-registering. [Click here](#) for full registration instructions.
- **Exhibition Rounds.** The sooner you register a team, the more access to practice images you'll have over the summer months. Exhibition Round images will be sent to registered CyberPatriot X coaches starting on May 17. Students do not need to be registered in order to participate in an Exhibition Round, nor do team fees need to be paid.

### THIS MONTH IN CYBER HISTORY

**May 22, 1973** — On this day in cyber history, Robert Metcalfe, a researcher at the Xerox Palo Alto Research Center in California, wrote his original memo proposing an "Ethernet," a means of connecting computers together. Metcalfe described the document, typed out on an IBM Selectric typewriter, as follows: "Ether Acquisition" ... heavy with handwritten annotations -- one of which was "ETHER!" -- and with hand-drawn diagrams -- one of which showed 'boosters' inter-connecting branched cable, telephone, and radio ethers in what we now call an internet.... If



Bob Metcalfe's 1972 sketch of his original "ethernet" vision.  
Image provided courtesy of Palo Alto Research Center Inc., a Xerox Company

Ethernet was invented in any one memo, by any one person, or on any one day, this was it."

For more information, visit:

<http://www.computerhistory.org/tidh/March/16/>

Presented by:

**NORTHROP GRUMMAN**  
Foundation

Cyber Diamond



Cyber Gold



Cyber Silver

