



ISSUE  
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2019

# THE CYBERSENTINEL

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

## COMMISSIONER'S CACHE



For not the first time, cybersecurity is front and center on the national scene. Two weeks ago, President Trump signed an executive order directing the federal government to strengthen the nation's cybersecurity workforce. I am pleased to report that the Air Force Association, with YOUR help, has been riveted on this issue for the past ten years. And happily, we have been making demonstrable progress. By any measure, CyberPatriot has become

THE program at the elementary, middle and high school levels that is inspiring young women and young men to pursue education and careers in a field our nation desperately needs them in.

Thanks for being part of this important work. And while we are thanking people, please read in this issue of the CyberSentinel about two outstanding advocates for CyberPatriot, Betty Hemby of the Boeing Company and Meghan Barnes of AT&T. And also note that under the visionary leadership of its CEO, Mac McMillan, we have welcomed CynergisTek as a CyberPartner. Thanks, Mr. McMillan and CynergisTek!

As always, thanks also to our generous Presenting Sponsor Northrop Grumman and our other benefactors. We could do nothing without you!

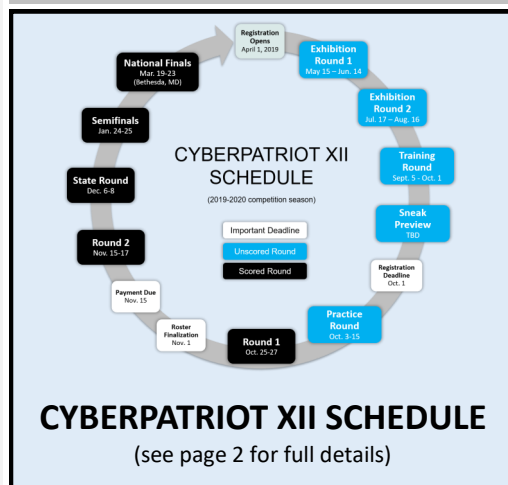
*Bernard K. Skoch*

Bernard K. Skoch | National Commissioner



## DATES TO KNOW

MAY 15	Start of Exhibition Round 1
JUNE 14	End of Exhibition Round 1
JUNE 15	Last day for Coach/Mentor of the year nominations
JULY 1	Last day for discounted CP-XII Registration



## CYBERPATRIOT XII SCHEDULE

(see page 2 for full details)

## CYBERPATRIOT XII REGISTRATION GROWS // EXHIBITION ROUND 1 COMING SOON

CyberPatriot XII registration is off to a roaring start. Registration for the 2019-2020 season opened on April 1, and within just 26 days the count of registered teams surpassed 1,000. One week into May the registration count broke 1,200 teams. Register your team before July 1 and receive a 20% discount on the registration fee.

While the scored rounds won't begin until October (see page 2 for full schedule), the summer holds several training events that teams can take advantage of to get a head start on the competition preparation.

Starting May 15, a set of Exhibition Round 1 images will be made available to registered teams. The purpose of the Exhibition Rounds is to allow registered coaches the opportunity to recruit students and provide refresher training

for experienced participants. Students do not have to be registered and may participate in the round under the supervision of a registered coach.

The two images that will be used in this season's Exhibition Rounds are Windows 10 and Ubuntu 14. Both images are at the beginner level but contain several difficult vulnerabilities, so experienced students will be challenged. The Exhibition Rounds have no public scoreboard. Unlike a competition round, registered coaches and mentors may use the images to learn about how the competition works. During the round, each image will expire seven days after it is opened, but another image may be unzipped and opened anytime. There is no limit on the number of images that a team may open simultaneously.

Like a competition round, coaches must control the image passwords and links since the images are the intellectual property of the Air Force Association. Offensive tactics shall NOT be used or taught with the images or the CyberPatriot Competition System. When the round is over, coaches must ensure that the images are deleted.



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## CYBERPATRIOT XII SCHEDULE

ROUND	DATE
Exhibition Round 1	May 15 – June 14
Exhibition Round 2	July 17—August 16
Training Round	September 5—October 1
Sneak Preview Round	TBD
Practice Round	October 3—15
Round 1 * <sup>①</sup>	October 25—27
Round 2 * <sup>①</sup>	November 15—17
State Round * <sup>①</sup>	December 6—8
Semifinals *	January 24—25
National Finals *	March 19 –23 (Held in Bethesda, MD)

\*Indicates scored round      <sup>①</sup>All teams compete

CLICK [HERE](#) FOR ADDITIONAL SCHEDULE INFORMATION

## CYNERGISTEK BECOMES CYBERPARTNER



CynergisTek, Inc. has joined CyberPatriot as a CyberPartner!

CynergisTek is a top-ranked cybersecurity consulting firm dedicated to serving the information assurance needs of the healthcare industry. CynergisTek offers specialized services and solutions to help organizations achieve privacy, security, and compliance goals. The company has been recognized by KLAS in the 2016 and 2018 Cybersecurity reports as a top performing firm in healthcare cybersecurity, as well as the 2017 Best in KLAS winner for Cybersecurity Advisory Services.

“One of the biggest challenges facing every organization today is finding and retaining the cyber talent that they need to execute their cybersecurity strategy,” said CynergisTek CEO, Mac McMillan. “CyberPatriot is doing what I’d like to see more initiatives trying to address this critical skillset shortage doing, getting the next generation of workforce members excited about a career in cybersecurity. They are the future, they are the right place to invest.”

CynergisTek continues to receive industry recognition for its educational and subject matter expertise. Each year, its executive team provides nearly 100 educational sessions on cybersecurity, privacy, compliance, and document output-related topics and supports various healthcare industry associations.

For additional information about the services provided by CynergisTek, Inc., visit <https://cynergistek.com/>.

## CYBERPATRIOT RECOGNIZES 2019 ORDER OF MERIT RECIPIENTS



During last month’s National Finals Competition, Betty Hemby of The Boeing Company (left) and Meghan Barnes of AT&T (right) were awarded the CyberPatriot Order of Merit for the 2019 season. The Order of Merit was created in 2014 to recognize individual’s sustained superior achievement in promoting the STEM education objectives of the program. Since the creation of the award, 17 individuals have been presented with the honor for their outstanding support of CyberPatriot.





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## SPOTLIGHT: CYBERPATRIOT XI CHAMPIONS



OPEN DIVISION CHAMPIONS

### TROY HIGH SCHOOL

*Troy Tech Support*

(Fullerton, CA)

Runner-Up:

North Hollywood High School / Mendenhall

Third Place:

Del Norte High School / CyberAegis Chobani



ALL SERVICE DIVISION CHAMPIONS

### SCRIPPS RANCH H.S.

**AIR FORCE JROTC**

*Byte Sized Falcons*

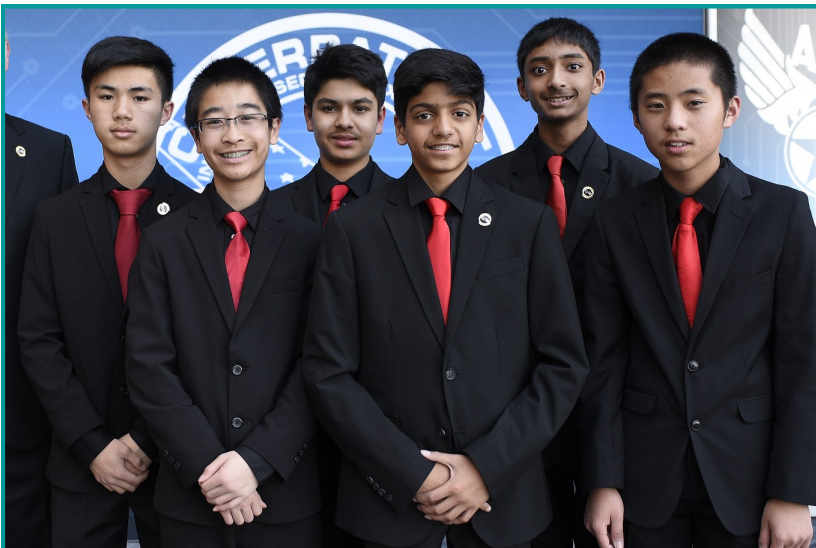
(San Diego, CA)

Runner-Up:

Troy High School NJROTC / CyberD3lta

Third Place:

Roosevelt High School AJROTC / Roosevelt Rough Riders



MIDDLE SCHOOL DIVISION CHAMPIONS

### OAK VALLEY

**MIDDLE SCHOOL**

*CyberAegis Chaos*

(San Diego CA)

Runner-Up:

Design 39 Campus / CyberAegis Kronos

Third Place:

Oak Valley Middle School / CyberAegis Aether

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2019 AFA CYBERCAMPS begin in June.  
[Find a camp in your area!](#)



## PRESIDENT ISSUES EXECUTIVE ORDER ON AMERICA'S CYBERSECURITY WORKFORCE

On May 2, President Trump signed an [Executive Order](#) directing the federal government to take critical steps to strengthen America's cybersecurity workforce. Importantly, the Executive Order will enhance mobility of our country's frontline cybersecurity practitioners, support the development of their skills to encourage excellence in the field, and help ensure the United States keeps its competitive edge in cybersecurity. The United States currently has a shortage of 300,000 cybersecurity practitioners.



SAY  
"THANK YOU!"  
TO THOSE  
WHO MAKE  
CYBERPATRIOT  
POSSIBLE

COACH & MENTOR  
OF THE YEAR  
NOMINATIONS ARE  
BEING ACCEPTED  
THROUGH JUNE 15

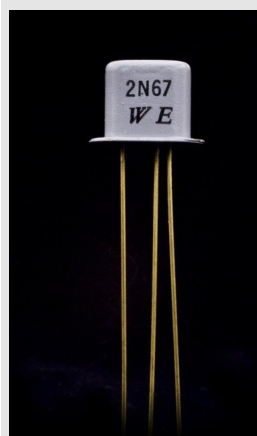
CLICK [HERE](#) FOR MORE INFO

## UNSCRAMBLE.EXE

1. TEIAAINUTHNTCO \_\_\_\_\_
2. VEXOR REPRSY \_\_\_\_\_
3. ELNURYIALVIBT \_\_\_\_\_
4. ORCUV SAMIR \_\_\_\_\_
5. YOGKODRB LEAREG \_\_\_\_\_
6. EOFIINATDCTNII \_\_\_\_\_
7. ANDORBDDBA \_\_\_\_\_
8. PSIFLNOO EMNNRAORIAT \_\_\_\_\_

1. Authentication 2. Proxy Server 3. Vulnerability 4. Marco Virus 5. Keyboard Logger 6. Broadband 7. Personal Information

## THIS MONTH IN CYBER HISTORY



**May 10, 1954** — In May of 1954, Texas Instruments (TI) introduced a silicon-based junction transistor, perfected by Gordon Teal of Texas Instruments Inc. This transistor brought the price of this component down to \$2.50. A TI news release from May 1954, read, "Electronic 'brains' approaching the human brain in scope and reliability came much closer to reality today with the announcement by Texas Instruments Incorporated of the first commercial production of silicon transistors kernel-sized substitutes for vacuum tubes."

For more information, visit: <http://www.computerhistory.org>

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**NORTHROP GRUMMAN**  
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Cyber Diamond



Cyber Gold



Cyber Silver

