



ISSUE | APRIL  
49 | 2016

# THE CYBERSENTINEL

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

## The National Finals Competition Special Edition

### COMMISSIONER'S CACHE



Another year of the National Youth Cyber Defense Competition is reaching an exciting culmination as I write this. What an AMAZING year, and its success is owed to equally Coaches, Mentors, Team Assistants and COMPETITORS! We saw more teams register than ever before, and the online rounds of competition were remarkably complex (and not without a few hiccups). The technical sophistication of CyberPatriot grows each season because YOU grow each season in your knowledge, abilities, and skills. We are putting the finishing touches on preparations for what promises to be our biggest and best National Finals Competition in history, this year at a brand new venue. The CyberPatriot Program Office staff is working overtime to make sure those who attend have a perfect experience. I wish every team could qualify, but sadly that's not possible. But be sure to tune in on Facebook and our website to follow the latest news of the competition as it unfolds. And as soon as the National Finals Competition wraps up, a new season begins, not just with CP-IX, but with what promises to be a record number of AFA CyberCamps nationwide and Version 2.0 of the CyberPatriot Elementary School Cyber Education Initiative. In all this, we are grateful for our Presenting Sponsor, the Northrop Grumman Foundation, for our other wonderful sponsors, for all of the AFA members around the nation who promote CyberPatriot, and for everyone who works with us to make CyberPatriot the amazing STEM program it is. THANK YOU!

Bernard K. Skoch | CyberPatriot National Commissioner



### DATES TO KNOW

APR. 1	CP-IX Registration Opens
APR. 10-14	National Finals Competition (Baltimore, Md.)
May 18-27	Exhibition Round #1

MEET THE 28  
CYBERPATRIOT VIII  
NATIONAL FINALIST  
TEAMS!  
(STARTING ON PAGE 2)

FOLLOW THE EVENT ON SOCIAL MEDIA

## #CP8FINALS



## 2016 AFA CYBERCAMP REGISTRATION IS OPEN!



Registration for the second season of AFA CyberCamps went live on Tuesday, March 22!

Last year for the inaugural season of CyberCamps, two dozen organizations hosted introductory cybersecurity camps for students in grades 7-12. Many of those organizations have returned to host even more camps for the upcoming season. While we have surpassed last year's goal of host locations, this year we are anticipating a bigger and even

better camp season – and that successful camp season includes YOU!

In less than two weeks there have been over 50 applications for organizations to host CyberCamps all around the United States. One exciting new feature this season of camps is that CyberPatriot is using a brand new registration portal to accommodate the amount of hosting requests we have received throughout the year.

2015 AFA CyberCamp hosts found that students enjoyed their week long camps with many students continuing with the CyberPatriot program and competing in the National Youth Cyber Defense Competition. Students

were inspired and challenged learning new skills such as cyber safety, cybersecurity and basic system administration.

If you have or know a student that is interested in attending a CyberCamp in their local area, CyberPatriot will be posting a list of approved AFA CyberCamp locations in late April.

If you are interested in learning more about AFA CyberCamps, please visit [CyberCamps](http://CyberCamps) for detailed information or contact us at [afaCyberCamps@uscyberpatriot.org](mailto:afaCyberCamps@uscyberpatriot.org).

The deadline to apply to host a CyberCamp will be May 5, so don't delay! We look forward to your application!

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## SPOTLIGHT: NATIONAL FINALS PREVIEW

THE TIME HAS COME! What started out as CyberPatriot's largest season (3,379 teams) is now down to the final 28 teams. On April 10, 2016, teams will travel by planes, trains, and automobiles to the Hyatt Regency Inner Harbor in Baltimore, Md., where they will compete in a series of high stakes cyber challenges

that will put their skills to the ultimate test. By the end of the four-day event, National Champions in each of the three divisions will be crowned.

For those interested in attending the main event on Tuesday, April 12, spectator passes

can be acquired at the on-site registration desk. For those unable to attend the event, coverage will be available through CyberPatriot social media outlets (Facebook and Twitter).

Now for the most important part of finals... let's meet the CP-VIII National Finalist teams!



## OPEN DIVISION



### ALAMO ACADEMIES

### Blue Team

**Coach:** Alyssa Trevino  
**Team:** Brendan Downs  
Reed Eggleston  
Hector Iruegas  
Carlson Lindley  
Eli Ross  
Kyle Volz



San Antonio, TX



### BENJAMIN FRANKLIN HIGH SCHOOL

### Excalibur

**Coach:** Yenny Yi  
**Team:** Alice Dong  
Raymond Hernandez  
Jorge Juarez  
Edgar Maravilla  
Hazael Villatoro



Los Angeles, CA



### CHERRY CREEK HIGH SCHOOL

### Bruin.777

**Coach:** Jocelyn Nguyen  
**Team:** Fisher Darling  
Tyler Giallanza  
Chang Lee  
Eric Lindau  
Kevin Park  
Pranav Subramanian



Greenwood Village, CO



### HIGHLANDS RANCH HIGH SCHOOL

### FalconCMD

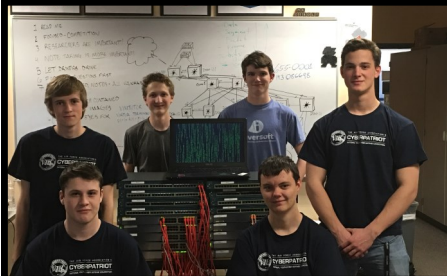
**Coach:** Nicky DeBolt  
**Team:** Sonja Coy  
Brenner Dugan  
Austin Grandpre  
Addie Newman  
Mason Newman  
Melanie Pierce



Highlands Ranch, CO



# OPEN DIVISION



## HIGHLANDS RANCH HIGH SCHOOL

### FalconBots

**Coach:** Nicky DeBolt  
**Team:** Bennet Atencio  
 Jaymes Bunce  
 Trevor Butcher  
 Adam Klein  
 Christian Stevens  
 Jacques Steyn



Highlands Ranch, CO



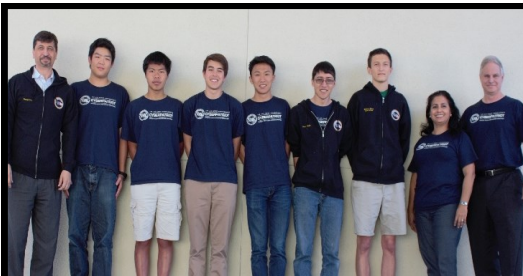
## LOYOLA BLAKEFIELD

### Dons CSC Black

**Coach:** Steve Morrill  
**Team:** Matt Bavett  
 Drew Haiber  
 Brenden Huegel  
 Mark McCoy  
 Greg Peterson  
 Chris Ptak



Towson, MD



## PALOS VERDES PENINSULA H.S.

### The Meme Team

**Coach:** Hassan Twiet  
**Team:** Peter Cunha  
 Donald Morton  
 William Shiao  
 Allen Qiu Wang  
 Grant Watts  
 Brian Zhu



Rolling Hills Estates, CA



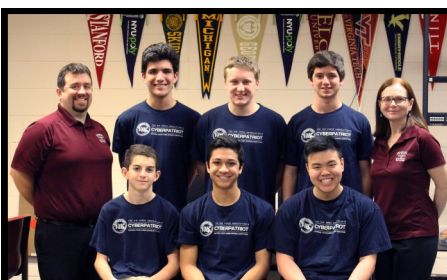
## POOLESVILLE HIGH SCHOOL

### Falcons

**Coach:** Mark Estep  
**Team:** Karan Chawla  
 Matthew Feng  
 Suriya Kandaswamy  
 Kent Ma  
 Sahil Mayenkar  
 Ishan Mundra



Poolesville, MD



## RED BANK REGIONAL HIGH SCHOOL

### Team Maroon

**Coach:** Mandy Galante  
**Team:** Young Chen  
 Andrew Costa  
 Jack Ferrone  
 Kyle Neary  
 Andrew Noglows  
 Bobby Villaluz



Little Silver, NJ



## SISLER HIGH SCHOOL

### Stack Overflow

**Coach:** Robert Esposito  
**Team:** Ryan Domino  
 Nick Kingsenamongkhoh  
 Raiden Ellis Leung  
 Deven San Miguel  
 Zach Vasas  
 Jerome Vitug



Winnipeg, MB

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# OPEN DIVISION



## SUMMIT TECHNOLOGY ACADEMY

Team Sudo

**Coach:** Lisa Oyler  
**Team:** Jack Bliss  
Zane Brown  
Christian Durst  
Isaac McGee  
Justin Nitz  
Tyler Waits



Lee's Summit, MO



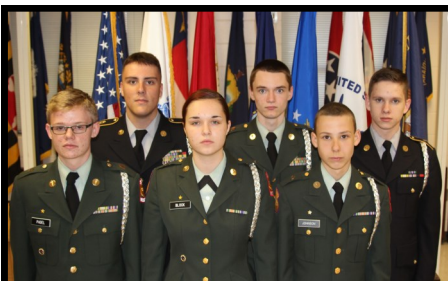
## VISTA RIDGE HIGH SCHOOL

MegaCyberWolves

**Coach:** Cindy Olmstead  
**Team:** Tyler Bredl  
Josh Foronda  
Ethan Henderson  
Rodrigo Ordonez  
Kale Shumard-Crippin



Colorado Springs, CO



## WINTER SPRINGS HIGH SCHOOL

MMC Hammer

**Coach:** Joseph Pavone  
**Team:** Jace Block  
Keleigh Block  
Chris Johnson  
Jon Padel  
Conor Paul  
Sean Wertz



Winter Springs, FL



## WINTER SPRINGS HIGH SCHOOL

Open Sourcerers

**Coach:** Joseph Pavone  
**Team:** Christian Campana-Emard  
Marc Cange  
Jessica Moore  
Martin Roberts  
Michael Roberts



Winter Springs, FL



## PATRICK HENRY HIGH SCHOOL

Mountain Do It

**Coach:** Ron Flaherty  
**Team:** Daniel Khuu  
Ken Nguyen  
Quinn Razak  
Ian Rodney  
Mocha Simms  
Liam Weinfurtnr



San Diego, CA



## TROY HIGH SCHOOL

Cyber Warriors 1

**Coach:** Allen Stubblefield  
**Team:** Jacobzen Chang  
Newman Cheng  
Kyra Deters  
Joseph Dillon  
Andrew Edwards



Fullerton, CA

# ALL SERVICE DIVISION



ALL SERVICE DIVISION



**TROY HIGH SCHOOL**

**Cyber Warriors 2**

**Coach:** Allen Stubblefield  
**Team:** Elvin Koay  
 Pius Lee  
 Khoa Nguyen  
 Silas Shen  
 Brandon Shin



Fullerton, CA



**MARINE MILITARY ACADEMY**

**The Devil Dogs**

**Coach:** Bill Beckman  
**Team:** Giancarlo Betti Hernandez  
 Giovanni Betti Hernandez  
 Karl Fischer  
 Patrick Gallagher  
 Ryan Nadolski  
 George Zenner



Harlingen, TX



**MONTY TECH**

**Marine Raiders**

**Coach:** Paul Jornet  
**Team:** Riaen Ayers  
 Alex Commodore  
 Leon Gaulin  
 Nick Sullivan  
 Cameron Truehart  
 Brandon Trundry



Fitchburg, MA



**O.W. HOLMES/BUSINESS CAREERS HIGH SCHOOL**

**TX 781<sup>st</sup>**

**Coach:** Colleen Curl  
**Team:** Colton Hurtt  
 Roberto Delgado Ramos  
 Danny Forestier  
 Matt Morales  
 Noah Woinicki



San Antonio, TX



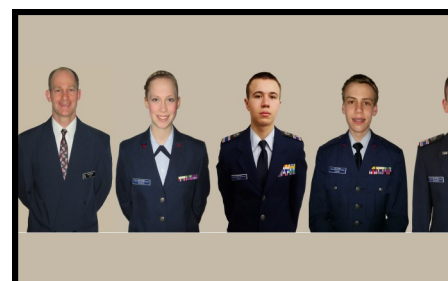
**PARKWAY HIGH SCHOOL**

**Cyber Panthers**

**Coach:** Bob O'Brien  
**Team:** Kaleb Bennett  
 Austin Carr  
 Karan Kaushal  
 Garrett Kitchings  
 John Metz  
 Taylor Robinson



Bossier City, LA



**CEDAR RAPIDS COMPOSITE SQUADRON**

**Overclocked**

**Coach:** Marshall Barker  
**Team:** Charity Barker  
 Daniel Holt  
 Josiah Stearns  
 Andrew Szewc



Swisher, IA

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# ALL SERVICE DIVISION



## COLORADO SPRINGS CADET SQUADRON

Wolfpack

**Coach:** Bill Blatchley  
**Team:** Noah Bowe  
Taylor Coffey  
Zach Cramer  
Victor Griswold  
Isaac Stone



Colorado Springs, CO



## CENTURION BATTALION

Netrunners

**Coach:** Ken Steffey  
**Team:** Jacob Dawson  
Nolen Johnson  
Leilani Morales  
Sam Precourt  
Peter Steffey  
Monica Vogel



Winter Park, FL



## FORT FISHER DIVISION

Team Iron Server

**Coach:** Joe Gombos  
**Team:** Laura Lopez  
Maya Morales  
Savier Morales  
Garrett Swift  
Jonathan Truong  
Nick Winham



San Diego, CA



## OAK VALLEY MIDDLE SCHOOL CyberFalcon Millenium 360

**Coach:** Paul Johnson  
**Team:** Eric Chen  
Arushi Dogra  
Lucy Gao  
Pranav Patil  
Andrew Wang



San Diego, CA



## PLEASANT LEA MIDDLE SCHOOL

BSOD

**Coach:** Kevin Schulmeister  
**Team:** Sam Alvarado  
Jesse George  
Gannon Ross  
Ethan Winger



Lee's Summit, MO



## ROBERT F. KENNEDY COMMUNITY SCHOOL

Crimson

**Coach:** Luis Hernandez  
**Team:** Isag Kim  
Min Kim



Los Angeles, CA

# MIDDLE SCHOOL DIVISION



## Coaches' Corner

- **CyberPatriot IX Registration.** Don't delay! Team registration for the upcoming season of competition (CyberPatriot IX) is now open! Returning coaches should log in with their current username and select "Create Team" to complete a team application. New coaches must first create a volunteer account. A single coach may register up to five teams. Registration fees for CP-IX are listed below:

Open Division: \$195 per team\*  
All Service Division: Waived\*\*  
Middle School: \$155 per team\*  
All-Girls Teams: Waived

- \*Register before July 1 for 20% discount
- \*\* JROTC, CAP & Naval Sea Cadet teams

- **Exhibition Rounds.** The purpose of the Exhibition Rounds is for Coaches to recruit team members and orient potential CyberPatriot supporters. Only registered Coaches may participate in the Exhibition Rounds. Competitors do not have to be registered. Coaches must control the images as they would in Competition Rounds. The first exhibition round will be held May 18-27.

## ELEMENTARY SCHOOL CYBER EDUCATION INITIATIVE

### We Want to Hear From You!

The [Elementary School Cyber Education Initiative](#) has been requested by more than 2,900 CyberPatriot supporters! With so many fans of the program, we would love to hear from you about how you are using ESCEI with your students and children and most importantly how we can improve ESCEI for version 2.



As a special incentive for your valuable feedback, CyberPatriot would like to send you a complimentary reusable lunch tote to show our appreciation for your time. To leave us feedback about your ESCEI experience please visit [ESCEI Feedback Survey](#).



Photos courtesy of Rosalind Franklin STEM Elementary School in Pasco, Wash.

### Continue the Learning!

Have you checked out the [ESCEI Supplemental Activities](#)? The activities add an interactive component to learning about cyber safety and cybersecurity while also creating a collaborative learning experience.

ESCEI 2.0 will be debuting before the 2016-2017 school year – stay tuned for exciting details!

## IN MEMORY OF RAY THOMAS CRANE II, BELOVED CYBERPATRIOT MENTOR

Central, SC. – March 15, 2016 – Only one person has ever served as CyberPatriot Mentor at D.W. Daniel High School's AFJROTC unit in Central, South Carolina. Starting in the 2012-2013 school year, Mr. Ray Thomas Crane II joined the fledgling CyberPatriot effort at the highly renowned high school, and jump-started an impressive upward trajectory that has seen significant improvement in the CyberPatriot team's performance each year since his arrival. Sadly, on Thursday, March 10, 2016, his close-knit CyberPatriot team, AFJROTC Unit, all of Daniel High School, and the surrounding area communities said farewell to Ray T. Crane as he peacefully passed away in his home.

When Ray's son first entered high school and joined CyberPatriot, he asked his dad to volunteer as the team's Mentor. Ray agreed and nothing has been the same with the team or the AFJROTC unit since then.

Beyond the primary goals of encouraging young men and women to pursue STEM disciplines and hone their cybersecurity skills, Ray's approach as a CyberPatriot Mentor went much

further. He sought to teach young men and women to recognize their strengths, identify their areas for improvement, and then decide how best to move forward in light of what they'd learned about themselves. In this way, he was equipping the next generation to be problem-solvers, self-starters, and realists. Indeed, he also taught the kids volumes regarding STEM, cybersecurity, and general computer skills, but his idea of Mentor went much further, and this became evident in the way that team members, year after year, would confide in Ray regarding matters from across the full spectrum of teenage life. Always, Ray was a patient, calming, consistent voice of reason to the kids. To some, he was a father figure. Only time will tell the full impact he has had on these young men and women, but it will be amazing to see, and it will yield fruit for years to come.

Nearing the end of his fourth year as the Flying Lions CyberPatriot Mentor, Ray guided the team to its best finish yet, almost advancing to the Regional Round in the Platinum category. Despite Ray's health declining, he provided one

last lesson to his students, friends and family – the importance of always making the most of our time and opportunity.

To the end, Ray was a Mentor of the highest order. In one friend's words, he was like "a fire that burned brightly, and we were able, for a time, to enjoy his light." He will be keenly missed, and fondly remembered by all. And no matter what the future editions of Daniel High School's CyberPatriot team may accomplish, the lion's share of the credit will always belong to Ray Thomas Crane II, first CyberPatriot Mentor, Flying Lion forever.



## ONE LAST LOOK: CYBERPATRIOT VII CHAMPS



*Grissom High School (Huntsville, Ala.)  
Coached by Chris Sutton*



*Montachusett Regional Vocational Technical School (Fitchburg, Mass.)  
Coached by Paul Jornet*



*Nysmith School for the Gifted (Herndon, Va.)  
Coached by Bonnie McCrystal*

NEED SUMMER PLANS?  
LOOK NO FURTHER!

**NORTHROP GRUMMAN IS  
NOW ACCEPTING  
SUMMER INTERNSHIP  
APPLICATIONS!**

Click [HERE](#) for more information about the program

To find opportunities for CyberPatriot competitors, click the link below and enter "CyberPatriot" in the keyword field:

[APPLY TODAY](#)

***NORTHROP GRUMMAN***



"I needed a password eight characters long... so I picked Snow White and the Seven Dwarves."

## THIS MONTH IN CYBER HISTORY



**April 8, 1991**— On this day in cyber history, Sun's Java team moved from Sun Microsystems to work in secret on its "Oak" development project, which was later re-named to "Java" as it is commonly known today.

Java, having been developed in 1991, is a relatively new programming language. At that time, James Gosling from Sun Microsystems and his team began designing the first version of Java aimed at programming home appliances which are controlled by a wide variety of computer processors. Gosling's new language needed to be accessible by a variety of computer processors. In 1994, he realized that such a language would be ideal for use with web browsers and Java's connection to the internet began. In 1995, Netscape Incorporated released its latest version of the Netscape browser which was capable of running Java programs.

For more information, visit:

<http://www.computerhistory.org/tdih/April/8/>

*Presented by:*

***NORTHROP GRUMMAN***  
*Foundation*

*Cyber Diamond*



*Cyber Gold*



*Cyber Silver*

