



# The CyberSentinel



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## The National Finals Competition Special Edition

### Commissioner's Cache



Wow! Congratulations to all of you—Competitors, Coaches, and Mentors—who made the online rounds our most competitive yet. The excitement ran all the way through February's Presidents' Day Weekend Open. And in a few days the 28 National Finalist teams will converge on Washington, D.C., for what promises to be our best National Finals Competition ever.

Though only 28 teams earned the title "National Finalist," there is a winning spirit throughout our teams. Teams that earned awards at the state and region levels will begin receiving them this month so they can be recognized at their schools and organizations. Thank you to our Presenting Sponsor Northrop Grumman Foundation and our other sponsors who made this season possible. Beginning this month applications will be accepted for paid internships at Northrop Grumman. Check out this issue for more details. Please join us in wishing good luck to our National Finalists!

Bernie Skoch  
National Commissioner  
CyberPatriot Program  
Air Force Association



### Upcoming Events

**CP-VII National Finals  
Competition: March 11-15**

### Features

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28 Teams, 4 Challenges, a Few  
Surprises... and Fun!
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## NORTHROP GRUMMAN INTERNSHIPS ARE BACK!

(SEE PAGE 2 FOR MORE DETAILS)

## CP-VII National Finals Competition: 28 Teams, 4 Challenges, a Few Surprises... and Fun!

On Wednesday, March 11, 28 National Finalist teams will begin to arrive at the Gaylord National Resort in National Harbor, Md., for the National Finals Competition. But, Friday, March 13, will be the day they came for.

Friday will be a long day for the National Finalist teams. From 7:30am to 8:00pm the high school teams will face four competition challenges, as seen in the box to the right. The middle school teams will compete only in the Network Security Master Challenge and Digital Crime Scene Challenge.

New to the competition, AT&T is sponsoring the Mobile Device Component of the Network Security Master Challenge and Cisco is introducing a hands-on exercise in which teams program routers and other network devices. More difficult than the online rounds, teams are not permitted to have electronic media nor are they permitted to stage materials online. Even more challenging, Internet use is restricted to 10 pre-approved websites for each team. Of course, there will be a few surprises courtesy of the (continued on page 2)

### NATIONAL FINALS CHALLENGES



splunk>



**NETWORK SECURITY  
MASTER CHALLENGE**  
including the AT&T Mobile  
Device Component



**DIGITAL FORENSICS  
CHALLENGE**



**NETWORKING  
CHALLENGE**



**DIGITAL CRIME  
SCENE CHALLENGE**



# The National Finals Competition Special Edition

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## NGC Internships are Back!

### Start your legacy now! Join the Northrop Grumman Intern Program

As the excitement grows for CyberPatriot VII National Finals, it's a time to reflect on all the impressive talent and expertise demonstrated throughout this year's competition. The relevancy of CyberPatriot has never been greater and competitors continue to exhibit the skills needed to succeed in the cyber profession.

In order to put your skills into action, consider thinking about an internship at Northrop Grumman. Here, you'll work side by side with our technical experts to learn more about the career field and how important this specialty is to national security. You will learn new skills, explore our enterprise, network with experts, connect with thought leaders, and finish with a resume that opens doors. Here's what you need to know to apply:

- High school level internships require students to be at least 16 years of age, enrolled in high school and studying areas of science, technology, engineering, and mathematics.
- CyberPatriot-specific internship opportunities require at least one year of participation in the CyberPatriot program and enrolled (continued on page 2) in technical high school electives within the areas of STEM.
- For college level internships we typically look for rising sophomores, juniors, seniors, and graduate students at accredited colleges and universities
- We look for high potential students of all grade levels and have internship opportunities for high school students
- Work assignments typically begin in May/June and end in August/September. There are some opportunities for interns to stay-on in a part-time internship capacity year round

Included in many of our intern programs are orientation and kick-off events, networking opportunities with leadership and other interns, social activities, learning sessions and professional development opportunities. For more information about the intern program go to: <http://www.northropgrumman.com/Careers/StudentsAndNewGrads/Pages/Cyberpatriot.aspx>

To find opportunities for CyberPatriots, go to this link and enter "CyberPatriot" in the keyword field: [https://ngc.taleo.net/careersection/ngc\\_coll/jobsearch.ftl?lang=en](https://ngc.taleo.net/careersection/ngc_coll/jobsearch.ftl?lang=en)



*Start your career with the  
**RIGHT INTERNSHIP.***



## CP-VII National Finals (cont'd)

*(Continued from Page 1.)* Red Team and our sponsors!

Unlike its reputation, Friday the 13th will be a lucky day for the division champions and award winners. However, they will be in the dark on their accomplishments until the Awards Banquet on Saturday evening, when the winners are announced.

No matter how each team fares, no Competitor will go home empty-handed. CyberPatriot's Presenting Sponsor Northrop Grumman and our other sponsors have graciously provided door prizes and gift bag items for the Competitors. So, in the end the National Finals Competition will be 28 teams, four challenges, a few surprises and lots of fun!

### Coaches' Corner

- **CyberPatriot VIII Registration.** Ready for next season? Pre-registration for CyberPatriot VIII will open in April. Stay tuned to your email and the CyberPatriot website for instructions and updates, including information about registration fee reductions!
- **CyberPatriot VII Award Certificates.** With the creation of competition tiers comes many awards earned by the teams this season! The CyberPatriot Program Office will begin sending the awards later this month. In some cases, the awards for your team(s) may be sent to your local AFA Chapter or State/Regional President. If your local AFA volunteers are unable to present the awards to your team(s), the certificates will be sent directly to the Coach, using the shipping address listed during the registration process.
- **Elementary School Cyber Education Initiative (ESCEI).** In the coming months we will be launching ESCEI, our newest program designed to teach students (K-6) the widespread importance of cybersecurity in their every day lives. Please help spread the word to the elementary schools in your area!

### The CyberSentinel

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# The National Finals Competition Special Edition

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## OPEN DIVISION



### Central Technology Center

**Coach:** Dustin Ford

**Team:** John Cargill  
Cody Ostrum  
Austin Tanner  
Dalton Cooper  
David Brood  
Conner Henley



**"cookies.bat"**



### Franklin High School

**Coach:** Yenny Yi

**Team:** Jasmine Talavera  
Victoria Hernandez  
Christian Mendez  
Hazel Villatoro  
Raymond Hernandez



**"Team Paprika"**



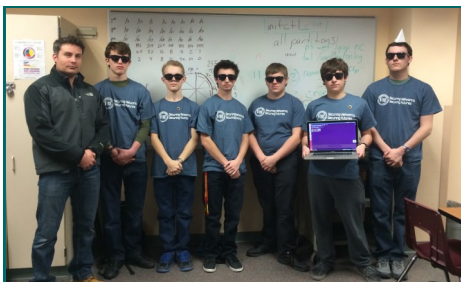
### Grissom High School

**Coach:** Chris Sutton

**Team:** James Brahm  
Morgan Wagner  
Jeramy Lochner  
Matthew Rogers  
Michelle Driessnack  
Christopher Lin



**"CyberSloths"**



### Highlands Ranch High School

**Coach:** Nicky DeBolt

**Team:** Tyler Northrip  
Sean Bonham  
Stevan Gates  
Kelly Gold  
Jeremy Dugan



**"FalconBots"**



### La Cueva High School

**Coach:** Sean Endler

**Team:** James Lewis  
Max Sanchez  
Tannor Brown  
Kaden Nelson  
Ximena Lane



**"Cyber Bears"**



### Marshall Academy

**Coach:** Jeff McFarland

**Team:** Jacob Walters  
Josh Shepherd  
Khang Lieu  
Paul Benoit  
Michael Bailey



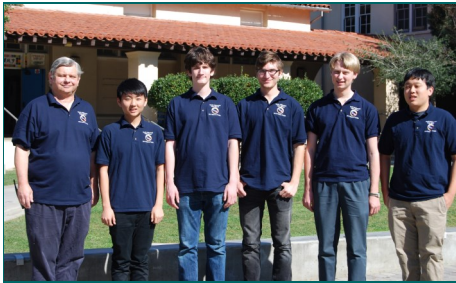
**"Flying Bacon"**



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## OPEN DIVISION



### North Hollywood High School

**Coach:** Jay Gehringer

**Team:** Travis Raser  
Issac Kim  
Henry Birge-Lee  
Camden Bickel  
Isaac Kim



"Azure"



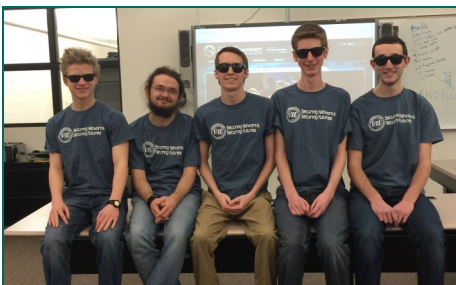
### North Hollywood High School

**Coach:** Jay Gehringer

**Team:** Hyo In Annie Shim  
Richard Wang  
John Elijah Yoon  
Woo Jin Cheon  
Jaeyeong Hwang  
Jamie Chang



"Silver"



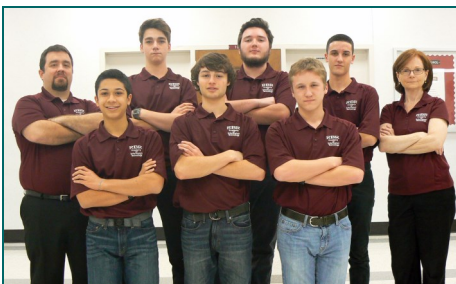
### Pinckney Community High School

**Coach:** Thomas McCurdy

**Team:** Jacob Rickard  
Adam Flickema  
Torin Meinicke  
Austin Eckman  
Joseph Mayo



"Proxy"



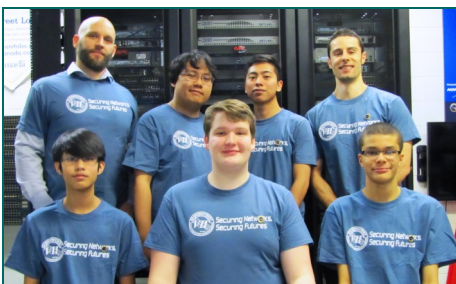
### Red Bank Regional High School

**Coach:** Mandy Galante

**Team:** Joshua Even  
Mark Eulner  
Louis DiOrio  
Tyler Birn  
Kyle Neary  
Robert Villaluz



"Maroon"



### Sisler Network & Cyber Security Academy

**Coach:** Charles Bazilewich

**Team:** Jarren Mercado  
Ian Crisostomo  
Zach Vasas  
Ryan Domino  
Raven Tiroy  
Deondre Gismond



"RMRF Root"



### Summit Technology Academy

**Coach:** Lisa Oyler

**Team:** Dalton Campbell  
Cliff Martin  
Cooper Leabo  
Justin Nitz  
Jason Cain  
Henry Londre'



"Sudo"





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## ALL SERVICE DIVISION



### Big Sioux Composite Squadron

"T34m B1g S10ux"

Coach: Shannon Hofer

Team: Josh Klosterman  
Chris Dinnel  
Jaden Petersen  
Laura Rudnik  
Nathaniel Fleet



### Cedar Rapids Composite Squadron

"Overclocked@167%"

Coach: Marshall Barker

Team: Charity Barker  
Andrew Szewc  
Elijah Barker

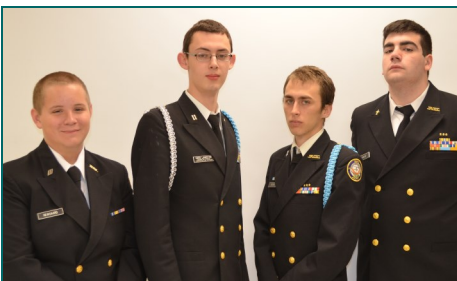


### Colorado Springs Cadet Squadron

"Wolfpack"

Coach: Bill Blatchley

Team: Carlin Idle  
Victor Griswold  
Taylor Coffey  
Noah Bowe



### Covington High School

"Kernel Panic"

Coach: Douglas Johnson

Team: J.T. Peters  
Owen Langston  
Logan Simmons  
Cody Newgaard



### Fort Fisher Division

"Left Coast"

Coach: Joseph Gombos

Team: Brandon Sipes  
Alfonso Rodriguez Arana  
James Mozzini  
Gisselle Reyes-Hopper  
Nick Winham



### Lee's Summit North High School

"CyberBroncos"

Coach: John Deese

Team: Sam Galarnyk  
Chris Asmus  
A.J. Baker  
Mitchell Bruce  
Alyssah Collins



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## ALL SERVICE DIVISION



### Lee's Summit North High School

**Coach:** John Deese

**Team:** Nikki Bowman  
Alexis Crane  
Matt Cook  
Alex Keary  
Kevin Matuma



### "CyberWarriors"



### Marine Military Academy

**Coach:** Bill Beckman

**Team:** George Zenner  
Max Dowla  
Giancarlo Betti Hernandez  
Giovanni Betti Hernandez



### "Devil Dogs"



### Montachusett Regional Vocational Technical School "Marine Raiders"

**Coach:** Paul Jornet

**Team:** Conner Quick  
Jack Marabello  
Jamison LeRoche  
Leon Gaulin  
Nicholas Sullivan



Fitchburg, MA



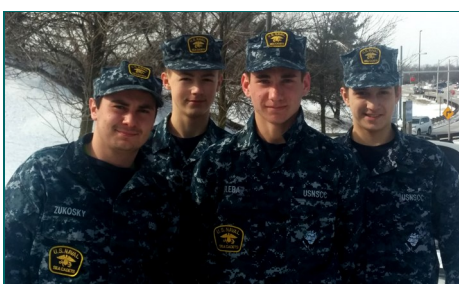
### New Century Technology High School

**Coach:** Jim Morse

**Team:** Cailin Simpson  
Malcolm Jefferson  
Jesse Adams  
Cinque Robinson  
Anhkhua Nguyen



### "Alpha"



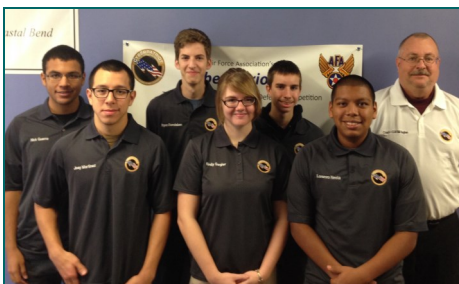
### NWS Earle Sea Cadets

**Coach:** Jack Lopez

**Team:** Alex Lopez  
Jeremy Zukosky  
Luke Gleba  
John Kovacs



### "Alpha"



### W.B. Ray High School

**Coach:** Bill Hughen

**Team:** Emily Segler  
Nick Guerra  
Dareon Liesmann  
Joey Martinez  
Ryan Ransleben  
Lorenzo Nesta, Jr.



### "Fighting Texans"





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## MIDDLE SCHOOL



### Winter Springs High School

**Coach:** Joseph Pavone

**Team:** Christian Campana-Emard  
Cody Villalobos  
Carlos Nieves  
Carlos Rivera  
Marc Cange



**"CyberBears"**



Winter Springs, FL



### Markham Place School

**Coach:** Mandy Galante

**Team:** Charlotte Jansky  
Matt Swaggerty  
Erin Rooy  
Josh Sapirstein  
Sam Jansky



**"Flaming Octopuses"**

Little Silver, NJ



### Markham Place School

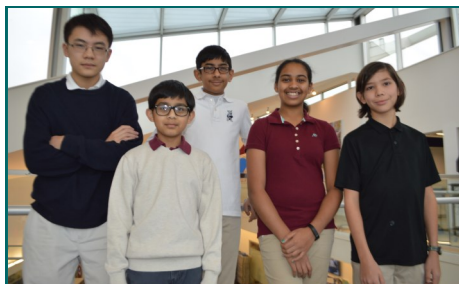
**Coach:** Mandy Galante

**Team:** Leanne Spears  
Sophie Navarro  
Brooke Arend  
Holly Scanlon



**"Food Fighters"**

Little Silver, NJ



### Nysmith School for the Gifted

**Coach:** Bonnie McCrystal

**Team:** William Tan  
Ryan McCrystal  
Monica Saraf  
Aryaan Hussain  
Bhavjeet Sanghera



**"Team 1"**

Herndon, VA



## THANK YOU NORTHROP GRUMMAN FOUNDATION!

The Northrop Grumman Foundation has renewed its partnership with AFA's CyberPatriot National Youth Cyber Education Program through 2019, with a total additional commitment to the program of \$5.4 million!

**NORTHROP GRUMMAN**

*Foundation*





# The National Finals Competition Special Edition

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## One Last Look: The CyberPatriot VI National Champions



*Middle School Division:  
Beach Cities Cadet Squadron (San Pedro, Calif.)  
Coached by Mark Williams*



*Open Division:  
North Hollywood High School (North Hollywood, Calif.)  
Coached by Jay Gehringer*



*All Service Division:  
Clearfield High School AFIROTC (Clearfield, Utah)  
Coached by Kit Workman*

## PRESIDENTS' DAY WEEKEND OPEN OVERALL WINNERS

### OPEN DIVISION

Pinckney Community High School—Team A  
Loyola Blakefield—DonsCSC Black  
Summit Technology Academy—Kernel Panic

### ALL SERVICE DIVISION

Colorado Springs Cadet Squadron  
Monty Tech—Marine Raiders  
Big Sioux Composite Squadron

### MIDDLE SCHOOL DIVISION

El Segundo Middle School—Bulldogs  
Nysmith School for the Gifted—Team 1  
Robert F. Kennedy—Ambassador Red

## This Month in Cyber History



**March 21, 2006**— Twitter creator sends the first “tweet”. The origins of Twitter came out of a brainstorming session at the podcasting company Odeo. The initial concept was to share short messages via SMS text messaging with a small group. Jack Dorsey was the primary designer of what was then code-named “twtr” and sent the first message at 9:50am on March 21, 2006 - “just setting up my twtr.” Twitter was released to the public that July and found its first major success at the South by Southwest Interactive conference in 2007, shortly after it had been spun-off as its own company, Twitter, Inc.

Since the inception of Twitter, 300 billion tweets have been sent. The most retweeted tweet is Ellen DeGeneres’ (@TheEllenShow) “selfie” photo taken while she was hosting the 2014 Oscars. In fact, the photo was so popular that it caused Twitter to temporarily crash!



*If only Bradley's arm was longer.  
Best photo ever. [#oscars](#)*

For more information, visit [www.computerhistory.org/tdih/March/21/](http://www.computerhistory.org/tdih/March/21/)

### Presenting Sponsor

**NORTHROP GRUMMAN**  
Foundation

### Cyber Diamond



### Cyber Gold

**URS** splunk>

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RIVERSIDE RESEARCH

### Cyber Silver



AIR FORCE  
RESERVE

**EMBRY-RIDDLE**  
Aeronautical University  
PRESCOTT, ARIZONA



leidos

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MASSACHUSETTS INSTITUTE OF TECHNOLOGY  
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### Development Partner

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