

The National Finals Competition Special Edition

Air Force Association's

CYBERPATRIOT

National High School Cyber Defense Competition

presented by **NORTHROP GRUMMAN**
Foundation

Issue 0003
March 2012



The CyberSentinel

Commissioner's Cache



The CyberPatriot IV National Finals Competition is here! Our outstanding finalists will be locked in two days of intense competition March 22-23 at the Gaylord National Convention Center. The Network Security Competition will test the skills of our finalists against a red team of "attackers." Quick thinking and attention to detail will be put to the test in our new Forensics Competition as well. With all that, there will be time for fun and learning. We have a fun competitors' dinner planned with great door prizes donated generously by our sponsors. Individual competitors from different teams will sit together at the dinner. Our Presenting Sponsor, Northrop Grumman, along with CISCO will

(Continued on page 8.)

Upcoming Events

- March 22-23 National Finals Competition (Washington, D.C.)
- April 1 CyberPatriot V Registration Begins

Program Office Bits

- **Internships**— Northrop Grumman continues to offer paid internships for CyberPatriot competitors. See the link below for more information.

<http://careers.northropgrumman.com/cyberpatriot.html>

The National Finals Competition Sponsors: Mentorship, Prizes, and Scholarships

Twenty-six teams from the United States and Canada will soon descend upon the Gaylord National Convention Center, in Maryland, for The National Finals Competition. The 24 US teams will compete in the All Service and Open Divisions, while the two Canadian Teams will compete in the International Exhibition. The competition would not be possible without our CyberPatriot sponsors.

The Northrop Grumman Foundation is the Presenting Sponsor for this year's CyberPatriot National Finals Competition. Our Network Security Competition will be powered by CyberNEXS from the Science Applications International Corporation (SAIC). CISCO Systems Incorporated will provide the competition network.

Formal competitor mentor-

ing sessions will be conducted by the Northrop Grumman Corporation and CISCO Systems. The topics will cover cybersecurity career paths and internships among other topics.

For the Competitors' Dinner, our sponsors were gracious enough to provide door prizes that include:

- iPad 2
- Ogio Epic Backpacks
- Xbox 360 Kinect
- iPod Touch
- Nikon CoolPix Cameras

At the dinner, each competitor will receive a gift bag filled with useful gifts from our sponsors, to include a commemorative CyberPatriot wristwatch.

The awards to be presented at the Awards Banquet will include the:

- DC3 Crime Scene Challenge Awards
- International Exhibition Medal
- Service JROTC Champions Awards
- Civil Air Patrol Champion Award
- Commander-in-Chief's Cup (All Service Division)
- President's Cup (Open Division)

The Northrop Grumman Foundation will award more than **\$50,000 in scholarships** to the top teams in the All Service and Open Divisions.

On Saturday, March 24, Northrop Grumman will host a visit for our National Finalist Teams to their *Center for Innovative Solutions*. At the center, the competitors will be briefed by experts in the cyber field.

From beginning to end, our CyberPatriot sponsors and the Air Force Association will ensure the National Finalists have a fun and memorable event.

This Month's Question

How do I report an Internet crime?

(The answer appears on Page 7.)

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• Air Force Association / CyberPatriot Program •
• 1501 Lee Hwy Arlington, VA 22209 • www.uscyberpatriot.org •

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CyberPatriot V: Registration begins April 1, 2012

April 1st is April Fool's Day, but it is also the CyberPatriot V kick-off date. CyberPatriot V promises to be an even better competition than CyberPatriot IV. During CyberPatriot V, some teams will participate in regional competitions. Also, more schools have shown interest in participating in CyberPatriot.

On April 1, 2012, the registration for CyberPatriot V begins. The registration process begins with the coaches registering on the CyberPatriot Web site at:

www.uscyberpatriot.org

Once registered on the Web site, the coach is required to have a certification by a school official or a squadron commander, in the case of the Civil Air Patrol. Then the coach's certification will be provided by the school official or squadron commander to the CyberPatriot Program Office.

Persons desiring to be mentors may register

at:

www.uscyberpatriot.org

Once registered, a person will not be recognized as a mentor until a background check is completed by the CyberPatriot Program Office through a private agency.

Registered coaches will be notified when to register their team members via e-mail. At that point, the coaches will enter their team members names and competition information into the database.

Teams will be required to pay a \$375.00 fee to cover expenses in CyberPatriot V. Coaches may ask their school or organization to cover the fee.

More details will follow, but don't delay registration. April 1st is almost here!



DC3 Digital Crime Scene Challenge

By Wendy White, DoD Cyber Crime Center

Nearly every crime committed in today's society has a digital component of some variety. This increases the demand for Cyber Investigators and the need for them to possess the appropriate knowledge of how to identify and process digital evidence. The DoD Cyber Crime Center (DC3) created the DC3 Digital Crime Scene Challenge, an interactive challenge designed to bring awareness to the issues the Cyber Investigators face and give individuals a simulated experience in crime scene investigation as well as to have fun! The objective of the challenge is to educate participants on current issues while maintaining their attention through a fun and interactive competition. Various levels of the cyber investigation process are put to the test – analyzing case data, processing a crime scene, securing evidence, and conducting a digital forensic examination. Teams are

scored by the number of devices obtained. To win this challenge the team has to find the most evidence, identify the device with vital case information, and locate the digital evidence on the forensic machine. A tiebreaker for teams with identical scores is their time. If you are interested in having the DC3 Digital Crime Scene Challenge come to you, or for more information on administering your own challenge, please contact the Challenge Team at challenge@dc3.mil or 410-981-1078.



Team Logos

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The CyberSentinel

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Open Division National Finalists



Alamo Academies – ITSA

Location: San Antonio, TX
Coach: Mike Matuszek

Team Members

Theodore Belitsos II
Kenny Bias
Brian Carvan
Robert Flores
Mario Puente III
Tommy Roberts



Benjamin Franklin High School

Location: Los Angeles, CA
Coaches: Benjamin Fernandez and Yenny Yi

Team Members

Jasmine Cao
Alvir Delacruz
Patricia Hernandez
Jenny Huang
Jasmine Talavera
William Wong



George Marshall High School

Location: Falls Church, VA
Coach: Jeff McFarland

Team Members

Bryon Bacon
Alex Handley
Kevin Houk
Jack Lynch
Jake Robie
Erik Wickert



Open Division National Finalists



Joel E. Ferris High School

Location: Spokane, WA
Coach: Skip Carter

Team Members

Curran Higgins
Austin McGoldrick
Hari Patel
Russell Pochis
Corey Tomlinson
Steven Vilwock



John R. Rogers High School

Location: Spokane, WA
Coach: Charles B. Dravland

Team Members

Zack Bonser
Timothy Johnson
Todd Stevens
Chevy Swanson
Ciara Walker
Goldie Weers



John R. Rogers High School

Location: Spokane, WA
Coach: Terry Yeigh

Team Members

Zane Logarbo
Victor Pruteanu
Petru Vicol
Zack Wright
Bryan Xiong



"Tireless dedication to perfection combined with optimal individual effort but, more importantly, a deep respect and understanding of the invaluable presence of teamwork and trust—these are the keystones that solidify what it means to be a CyberPatriot."

Benjamin Fernandez, Coach, Benjamin Franklin High School

"The joy of watching students learn and grow through a year as my Cyber Patriots team has, leaves a teacher wondering how do we keep this enthusiasm."

Skip Carter, Coach, Joel E. Ferris High School

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Open Division National Finalists



John R. Rogers High School

Location: Spokane, WA
Coach: Tim Young

Team Members

Chris Alexander
Zach Baldwin
Desirae Marion
Jon Plank
Jawun Smith



Lewis and Clark High School

Location: Spokane WA
Coach: Mark Rhoades

Team Members

Yang Cao
Will Dittman
Matt Hays
Matt Polyak
Quinn Shumaker
Wyatt Stone



MIT Lincoln Laboratory

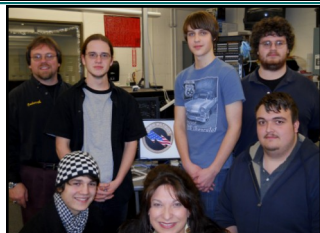
Location: Lexington, MA
Coach: Chiamaka Agbasi-Porter

Team Members

Pat Bowden
Derek Chaplin
Nick Cunningham
Will Cunningham
Matt Zenzie



Open Division National Finalists



Monroe Career & Technical Institute

Location: Bartonsville, PA
Coach: Ron Cudworth

Team Members

Vinnie Bontempo
Forest Crowley
Ryan Dekmar
Chris Frantz
Memo Yasdiman



North Central High School

Location: Spokane, WA
Coach: Josh Harrison

Team Members

Robbie Abbott
Ian Adkins
Cody Arrigo
Kevin
Ethan Horner
Robert Jackinski



Palos Verdes Peninsula High School

Location: Rolling Hills Estates, CA
Coach: Hassan Twiet

Team Members

Justin Boisvert
Nicholas Entin
Miolani Grenier
Patrick Lowe
Max Stritzinger
Russell Wakugawa



"From CyberPatriot, my team has learned the value of hard work, the ability to work together as a cohesive unit, and that it is possible to compete at a national level."

Tim Young, Coach, John R. Rogers High School

"CyberPatriot is a great competition that helped motivate and excite my students. The exercises in the competition were great hands-on activities that pushed my students to an even deeper understanding of computer security."

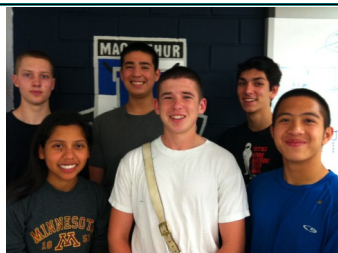
Ron Cudworth, Coach, Monroe Career & Technical Institute

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All Service Division National Finalists



Douglas MacArthur High School

Location: San Antonio, TX
Coach: Amy King

Team Members

Lois Agabon
Andy Banda
Sam Burgess
Adam Cruz
Robert Isenhour
Peter Myers

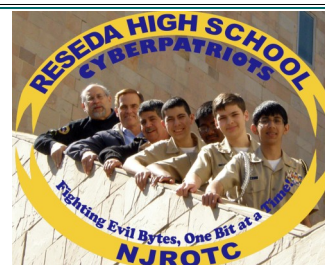


Leilehua High School

Location: Wahiawa, HI
Coach: Nick J. Spiridigliozzi

Team Members

Mark Gitschlag
Selena Peebles
Jhalil Tyson



Reseda High School

Location: Reseda, CA
Coach: Bruce Gurnick

Team Members

Shadman Alamgir
Indrpeet Bilg
Grant Hall
Ivan Marroquin
Jeromy Miller



All Service Division National Finalists

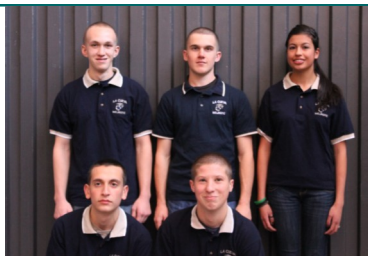


South Aiken High School

Location: Aiken, SC
Coach: Larry Laughlin

Team Members

Matt Bauerlin
Adrian Coleman
Sarah Henagan
Josh Livingston
Jacob Przywara
Mark Reboul



La Cueva High School

Location: Albuquerque, NM
Coach: Scott McCloud

Team Members

Kevin Childress
Josh Cutler
Christina Freeman
Tyler Morris
Josh Rinaldi



Montachusett Regional Vocational Technical School

Location: Fitchburg, MA
Coach: Paul A. Jornet

Team Members

Ian C. Duffin
Catelyne Farrell
Billy Ghio
Brett Grant
John Pfeiffer
Connor Quick



"CyberPatriot's goal is to excite students about [STEM] education. You don't have to be computer geek to be successful at CyberPatriot; you just need to have the desire to learn as much as possible from the entire CyberPatriot experience, and to stay motivated and strive to always do your best!"

Nick J. Spiridigliozzi, Coach, Leilehua High School

"This program is very important because of the technological world we live in today. Cyber terrorism could be the next attack on our country or the world."

Scott McCloud, Coach, La Cueva High School

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All Service Division National Finalists



Clearfield High School

Location: Clearfield, UT
Coach: Kit Workman

Team Members

Braxton Allen
Daniel Hargrave
John Maxfield
Lindsay Newman
Hunter Poe
Eric Takacs

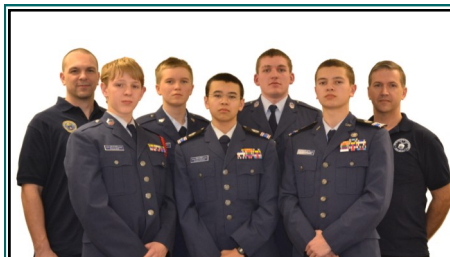


John R. Rogers High School

Location: Spokane, WA
Coach: William "Lloyd" Patton III

Team Members

Joseph Ceniza
Ben Donnelly
Clayton Husk
Chamberlain James



Big Sioux Composite Squadron

Location: Brookings, SD
Coach: Shannon Hofer

Team Members

Tyler Gross
Daniel Klosterman
Joshua Klosterman
Simon Pulscher
James Skon



All Service Division National Finalists



Colorado Springs Cadet Squadron

Location: Colorado Springs, CO
Coach: Capt. Bill Blatchley

Team Members

Carlin Idle
Kyal Lanum
Christopher Ottesen
John Parish
Stephen Parish
Chris Vasquez



Springville Cadet Squadron

Location: Ashville, AL
Coach: Walter Alexander

Team Members

Walter Alexander
Vince Corey
Shayla McCay
Katey Ray



Youngstown ARS Composite Squadron

Location: Vienna, OH
Coach: Paul Creed III

Team Members

Jacci Acierno
Sean Beatty
Austen Peters
Andrew Stoneburner



"It has been amazing to see my cadets develop skills, in preparation for this competition, that have such important real world applications. This competition has been a great addition to our program!"

Kit Workman, Coach, Clearfield High School

"CyberPatriot offers today's youth an exciting pathway to tomorrow's cyber security careers by exposing them to current real-world cyber attacks."

Shannon Hofer, Coach, Big Sioux Composite Squadron

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International Exhibition Teams



Garden Valley Collegiate

Location: Winkler, Manitoba, Canada

Coach: Jonathan Funk

Team Members

Matthias Fast
Abe Fehr
Scott Harder
Josh Hiebert
Carl Rempel



Sisler High School

Location: Winnipeg, Manitoba Canada

Coach: Charles Bazilewich

Team Members

Gurneet Brar
Daniel Cammarata
Jacob Hughes
Jeff Kadyniuk
Param Lobana



Coaches' Corner

- **Participant Kits.** Participant kits are being shipped. Priority shipments are going to teams which submitted their participation kit information. Other teams will receive their kits with generic size T-shirts.
- **CyberPatriot V Registration.** CyberPatriot V registration begins on April 1, 2012. Go to: www.uscyberpatriot.org to register.



Answer to Monthly Question

The answer is: To report Internet crime, to include hacking and identity theft, use the FBI's Internet Crime Complaint Center (IC3). IC3 is a central reporting hub for local, state, and federal agencies. The IC3 accepts online Internet crime complaints from either the actual victim or from a third party to the complainant. The FBI requests that you provide the following information when filing a complaint:

- Your name
- Your mailing address
- Your telephone number
- The name, address, telephone number, and Web address, if available, of the individual or organization you believe defrauded you.
- Specific details on how, why, and when you believe you were defrauded.

Any other relevant information you believe is necessary to support your complaint. (Source: FBI)

For more information:

<http://www.ic3.gov>

To file a complaint, go to:

<https://complaint.ic3.gov/ctf.aspx>



CyberPatriot III, Open Division Champions: Red Bank Regional High School.
The team members received the President's Cup and are holding a \$12,000 scholarship check from Northrop Grumman.

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CyberPatriot III, All Service Division Champions: Orlando Cadet Squadron, Florida Wing, Civil Air Patrol. The team members received the Commander-in-Chief's Cup and a \$12,000 scholarship check from Northrop Grumman.



Commissioner's Cache (Cont'd)

conduct mentoring sessions for the competitors on career paths in the cyber field. During the awards banquet, 15 awards will be presented for the top three All Service and Open Division competitors, International Exhibition, top Civil Air Patrol and Junior ROTC teams, and Forensics. On March 24, the competitors will receive a briefing at the Northrop Grumman Corporation and tour Washington, D.C. We have a great schedule of events and great group of competitors. We wish every team could be here, but sadly that was just not possible. But we hope to see YOUR team at National Finals next year!

Bernard K. Skoch
Commissioner
CyberPatriot Program
Air Force Association

A Career in cybersecurity – How do I prepare?

The field of cybersecurity offers graduating students enormous possibilities. The CyberPatriot Program is a great way to build excitement around this career path. But, beyond the competition, what should students do to prepare for a career in this field? What attributes are employers looking for in a qualified cyber pro? Diane Miller, Northrop Grumman Program Director for CyberPatriot, explains how she helps high school students get ready for a rewarding career in this emerging field.

"Pursuing a STEM discipline is an excellent start," said Miller. "Courses in the science, technology, engineering and mathematics (STEM) disciplines help develop your critical thinking skills, problem solving skills, and technical creativity. There are many options when evaluating college curricula in cybersecurity. Students may consider academic offerings for cybersecurity that vary widely, including computer science, electrical and computer engineering, information technology, information systems, information assurance, information security/computer security. Earning certifications like the Certified Information Systems Security Professional (CISSP), Certified Ethical Hacker (CEH) and participation in the networking academy offered at high schools by CISCO are excellent ways to differentiate you from the crowd."

"Building 'soft skills' is equally important. Employers are looking for candidates who exhibit the ability to consider various options in the decision-making process; effectively communicate orally and in writing; think outside the box; work in teams; are determined and persistent; and most of all, collaborate."

"Finally, personal attributes like integrity, passion for what you do, and good lifestyle choices are key! Because cybersecurity professionals protect an organization's most critical information, ethical behavior and high integrity are especially important so you can demonstrate your trustworthiness."

CyberPatriot Internship Opportunities – Now Available

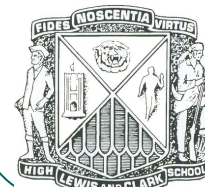
Northrop Grumman is actively recruiting interns for the 2012 summer. To apply, please click [here](#) and review the information provided. Then click "CyberPatriots, start looking for Opportunities here". In the next page simply use the word "CyberPatriot" in the search field and apply today.

Team Logos

(Continued from page 2.)



ALAMO AREA ACADEMIES



Presenting Sponsor:

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Sponsors:

