



ISSUE | APR
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THE CYBERSENTINEL

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

The National Finals Competition Special Edition

COMMISSIONER'S CACHE



It's here! The CyberPatriot XI National Finals Competition has arrived. 28 teams from across the U.S. will soon join us in Baltimore to see who can claim national championships in the Middle School Division, the All Service Division, and the Open Division. These 28 teams have proven themselves as no group of national finalists ever has, as we've had to make the competition increasingly more challenging each season because our skilled competitors keep getting better and better, and that's GREAT news! If you're coming to Baltimore, I look forward to welcoming you. If you aren't, kindly wish our finalists good luck as they strive for trophies, medals, scholarships, and bragging rights. And please, take time to thank our generous sponsors—led by the Northrop Grumman Foundation—who make possible not only the National Finals Competition, but every element of our ever-expanding program.

On a sad note, we mark the passing of a superb visionary, leader, and close friend of CyberPatriot, Lt General George Muellner. His vision and leadership as AFA's Vice Chairman for Aerospace Education and later as our Chairman of the Board significantly shaped CyberPatriot. I will add his loss is particularly sad for me, as General Muellner and I grew to be good friends, and it was a rare month that I failed to seek his sage counsel. He tirelessly promoted CyberPatriot nationwide and particularly in his home of Southern California. I already miss his humor, his mentorship, his friendship, and his keen insight. AFA will miss his leadership and vision. Godspeed, General Muellner. You led us well.

Bernard K. Skoch | CyberPatriot National Commissioner



DATES TO KNOW

APR. 1	CP-XII Registration Opens
APR. 8-10	National Finals Competition (Baltimore, Md.)
MAY 1	AFA CyberCamp Host Registration Closes
JUL. 1	Last day for 20% discount on CP-XII Registration
OCT. 2	CP-XII Registration Closes



ONLINE SEASON ENDS — ALL EYES ON BALTIMORE

The CyberPatriot XI online season will go down in the history books as the most educational, but challenging season yet. The CyberPatriot Program office spent hundreds of hours in preparing for and executing the season.

Beginning in September, teams had access to updated training materials and training images with more explanations than before. The training round featured enhanced images with answer keys. Based on suggestions from Coaches in the post-season survey, the training images were made available throughout the Practice Round in October. By Round 1, teams had access to training materials and images that would allow them to have a successful round.

By design, Round 2 was more difficult so that high school teams could be divided into tiers for the State Round. The middle school Round 2 was not as difficult, so that they would have more experience before the State Round.

The State Round was hard. As an elimination round, it achieved its purpose to identify the top 25% of teams that would move on to the Semifinals. However, there was a mix of less difficult with hard images in the round so that less experienced teams would not be overwhelmed.

When teams competed in the Semifinals, they found that it was the most challenging round CyberPatriot has had. Even seasoned teams were challenged. The national award winners

and National Finalists can be found on the [scores page](#).

Teams will arrive in Baltimore before April 7, to attend the National Finals Competition at the Inner Harbor Hyatt Regency Hotel. Their travel, food and lodging expenses are covered by the generous support of our sponsors.

The National Finalist teams will compete in Baltimore, Md. on April 9. They will face a revised Network Security Master Challenge with the AT&T Mobile Device Component and the Cisco Networking Challenge. The AT&T Mobile Device Component will involve the use of iPads. It promises to be the most challenging National Finals yet.

APR
19

CYBERPATRIOT XI



NATIONAL FINALS COMPETITION

BALTIMORE, MD | APRIL 8-10



WE ARE PLEASED TO WELCOME THE FOLLOWING 28 TEAMS TO THE NATIONAL FINALS COMPETITION

OPEN DIVISION



CERRITOS HIGH SCHOOL

"Purge Everything"

Team: Andrew Kahr
Yvonne Kuo
Daniel Kim
John Li
Madeline Sharpe
Nathan Wong



Cerritos, CA



DEL NORTE HIGH SCHOOL

"CyberAegis Chobani"

Team: Akul Arora
Andrew Wang
Daniel Chen
Eric Chen
Lucy Gao
Pranav Patil



San Diego, CA



DEL NORTE HIGH SCHOOL

"CyberAegis Thanatos"

Team: Phoenix Dimagiba
Alan Wang
Arjun Ghoshal
Josh Tan
Justin Lin
Kevin Hu



San Diego, CA



DEL NORTE HIGH SCHOOL

"CyberAegis Zelos"

Team: Lily Hu
KC Uhegbu
Kian Kishimoto
Max Novak
Ryan Wei
Tanay Shah



San Diego, CA

OPEN DIVISION



HIGHLANDS RANCH HIGH SCHOOL

"Falcon Transfer Protocol"

Team: Mason Newman
Kaylee Kirkwood
Kelsi Keys
Nathan Herscher
Grayson Northrip



Highlands Ranch, CO



LOYOLA BLAKEFIELD

"Cobalt"

Team: Jake Sanft
Nick Froehlinger
Tommy Szymkiewicz
Grant Hewett
Anthony Bradley
Henry Erdman



Towson, MD



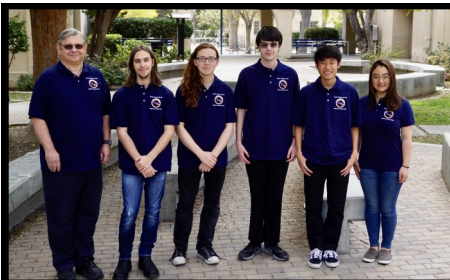
LOYOLA BLAKEFIELD

"Indigo"

Team: Manny Spanos
Nathan Prouse
Henry Mackay
Zach Hipsley
Owen Quinn
Michael Chaney



Towson, MD



NORTH HOLLYWOOD HIGH SCHOOL

"Mendenhall"

Team: Lyna Kim
Thomas Panenko
Sean Cho
Glen Husman
Sam Kazimirowicz



North Hollywood, CA



PALOS VERDES PENINSULA HS

"CyberPantherTeam#1"

Team: RJ Wakefield-Carl
Saahil Parikh
Ryan Chau
Robert Peltekov
Seth Karner
Nicholas Wang



Rolling Hills Estates, CA



THOMAS JEFFERSON HIGH SCHOOL

"VAPatriot ScubaSquad"

Team: Darin Mao
Darius Kianersi
Alexander Suh
John Lee



Alexandria, VA

APR
19

OPEN DIVISION



TROY HIGH SCHOOL

"System64"

Team: Jino Sirivatanarat
Jennifer Ho
Justin Huang
Josh Ibad
Kanin Liang
Eric Nguyen



Fullerton, CA



**HOW TO EXIT VIM
BY: TROY TECH SUPPORT**

TROY HIGH SCHOOL

"Troy Tech Support"

Team: Christo Bakis
Clement Chan
Timothy Kim
Jimmy Li
Rahil Shah
Joseph Xu



Fullerton, CA

ALL SERVICE DIVISION



ALAMO HEIGHTS HIGH SCHOOL

"Golden Mules"

Team: Jack Harrell
Troy Whitney
Dayana Castro
Jana Hendricks
Cooper Ritz
Sasha Rukhina



San Antonio, TX



ENGINEERING AND TECHNOLOGIES ACADEMY @ ROOSEVELT HIGH SCHOOL

"Roosevelt Rough Riders"

Team: Jacob Rahimi
Fardeen Bhimani
Harrison Lewis
Samantha Peace
Tristan Lee



San Antonio, TX



TROY HIGH SCHOOL

"CyberD3lta"

Team: Lavanya Garg
Erin Liu
Aidan Masinsin
Ryan Nguyen
Supavit Pitaknarongphorn
Anusha Sapre



Fullerton, CA



TROY HIGH SCHOOL

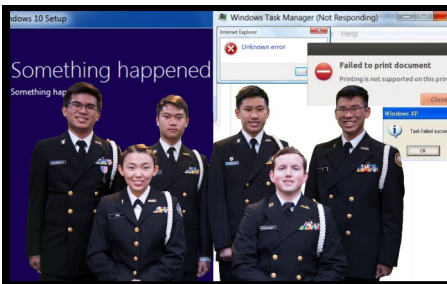
"Senior Chief Shannon Kent"

Team: David Lee
Evan Deters
Johanna Liang
Alicia Wang
Brendan Won
Nicole Wong



Fullerton, CA

ALL SERVICE DIVISION



TROY HIGH SCHOOL

"Subtle Cyber Traits"

Team: Mitch Radvansky
David Chang
Patrick Florendo
Gabriel Fok
Charissa Kim
Aaron Yi



Fullerton, CA



MARINE MILITARY ACADEMY

"Devil Dogs"

Team: Cameron Daniel
Victor Olawale-Apanpa
Ethan Gordon
Derek Mohos
Sabin Moiceanu



Harlingen, TX



MONTACHUSETT REGIONAL VOCATIONAL TECHNICAL SCHOOL "Marine Raiders"

Team: Devin Normandin
Tyler Coolidge
Damian Sutton
Samuel Landadio
Quinn Kneeland
Luc Jurdain



Fitchburg, MA



O.W HOLMES/BUSINESS CAREERS HS

"TX-781st Color 2E"

Team: Zane Salazar
Joshua Kerski
Michael Correa
Joey Asmus
Jorge Pena
Eric Melton



San Antonio, TX



SCRIPPS RANCH HIGH SCHOOL

"Byte Sized Falcons"

Team: Shane Donahue
Evan Dicker
Valerie Ho
Brandon Nguyen
Alex Roh



San Diego, CA



BIG SIOUX COMPOSITE SQUADRON



Team: Austen King
Annabelle Klosterman
Isaiah Klosterman
Jeremiah Jorenby



Brookings, SD



FULLERTON COMPOSITE SQUADRON 56

"Valour"

Team: Daniel Hayase
Thomas Hoang
Kayla Kim
Clara Kim
Esther Kwon
Rachel Lee



Fullerton, CA



BAND OF THE WEST DIVISION

"Silicon Knights"

Team: Ted Ikehara
Nicholas Lee
Lawrence Luong
Matthew Chan
Dylan Heng
Arkin Si



San Mateo, CA



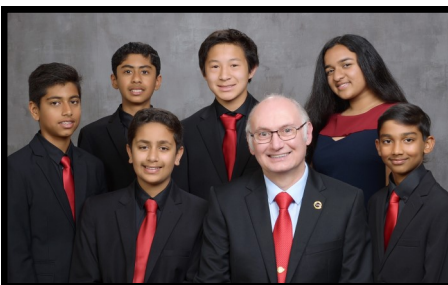
SACRAMENTO DIVISION

"Spartans"

Team: Connor Yang
Zack Nkadi
Evan Huang
Emily Foreman
William Smith
Emily Kelso



Roseville, CA



DESIGN 39 CAMPUS

"CyberAegis Kronos"

Team: Aarav Arora
Ashika Palacharla
Raiden Tung
Rohan Juneja
Safin Singh
Vardaan Sinha



San Diego, CA



OAK VALLEY MIDDLE SCHOOL

"CyberAegis Aether"

Team: Rachel Lee
Andrea Wang
Audrey Zeng
Ellen Xu
Samhitha Duggirala



San Diego, CA



OAK VALLEY MIDDLE SCHOOL

"CyberAegis Chaos"

Team: Akshay Rohatgi
Aadit Gupta
Akhil Guntur
Alex Jiang
Alvin Zheng
Jonathan Lin



San Diego, CA

IN MEMORY OF LT GENERAL (RET) GEORGE MUELLNER 1943 – 2019



General George Muellner was a longtime member of the Air Force Association, holding multiple key positions over many years including chairing AFA's Aerospace Education Council and serving as AFA Chairman of the Board from October 2012 through September 2014. During his tenure he dedicated himself to nurturing and expanding AFA's nascent CyberPatriot program. CyberPatriot's explosive growth and global success has been in many ways directly attributable to his vision and leadership.

Coaches' Corner

- **CyberPatriot XII Registration.** Team registration for the upcoming season of competition opens April 1, 2019! 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-XII are below:

Open Division: \$205 per team*
Middle School: \$165 per team*
All Service Division: Waived

*Title I schools and all-girl teams may request a fee waiver through the dashboard once team is approved.

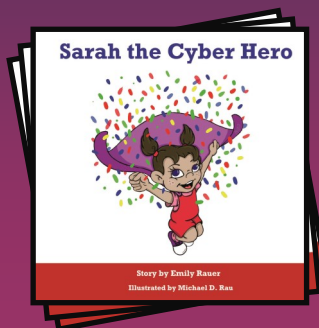
*Register before July 1 for 20% discount. We do NOT offer "BOGO" deals on registrations.

- **AFA CyberCamp Registration.** Interested in attracting more students to your organization's CyberPatriot team? Host a camp this summer! Registration for hosting a camp is open through May 1. Visit the [AFA CyberCamp site](#) for more information.

CyberPatriot's Cyber Education Literature Series

SARAH THE CYBER HERO

Get your copy today!
\$9.95 @ [Amazon.com](#)



Air Force Association CYBERCAMPS SUMMER 2019

Register before May 1 to host a camp this summer!

Questions? Contact
AFACyberCamps@uscypatriot.org



CYBERPARTNER: BTB SECURITY



The CyberPatriot Program Office is pleased to announce the addition of BTB Security as a CyberPartner!

[BTB Security](#) helps organizations detect security weakness, defend against attacks, and defeat breaches through its comprehensive suite of services. With a reputation earned from decades on the front line of cybersecurity, BTB Security is focused on enhancing the security posture of client organizations by deploying proactive assessment and offensive security services, reactive response and forensic services, and managed detection and response services.

In addition, the company, through its RIOT Labs division, pours time and effort into researching the latest security threats to stay one step ahead of the hackers, develop sanitized offensive techniques and tools, and create attack models that strengthen detection and response capabilities. All of this research is applied to protecting clients, and furthering the security industry.

Ron Schlecht, one of BTB's managing partners, said that the firm is honored to sponsor The CyberPatriot Program because he recognizes the challenge the industry faces in educating and developing devoted and talented security professionals.

"The CyberPatriot Program is developing and energizing future cyber security professionals, giving them a great basis to develop their career," Schlecht said. "Protecting companies and our infrastructure from cyber threats is difficult and ever-changing, but extremely fulfilling work. This program is focused on helping the next generation of security professionals see that and gain a head start on their career."

CYBERPARTNER: VMWARE



A message from VMware, CyberPatriot's newest supporter:

At VMware, we believe that software has the power to unlock new possibilities for people and our planet. Our software forms a digital foundation that powers the apps, services, and experiences, transforming the world. We are proud of our partnership with CyberPatriot who uses VMware Workstation Player as a key element in their national cyber competitions.

If you are interested in learning more about technology, VMware has an exciting program for high schools and colleges around the world: VMware IT Academy.

VMware IT Academy provides the next generation of talent by educating them on the basics of virtualization and cloud computing. Ultimately, we want to encourage job readiness and encourage VMware certification.

IT Academy builds public-private partnerships by:

- * Enabling understanding and application of VMware technology
- * Fostering career development
- * Creating a pipeline of diverse talent
- * Helping to strengthen communities

According to IDC research consultancy, "Economies, jobs, and personal lives are becoming more digital, more connected, and increasingly, more automated." With this digitized economy, technology companies will increasingly face concern from the public about the impact of digitization on jobs.

IT Academy addresses this job concern with a solution. To learn more, visit our IT Academy website. If you have questions, please email itacademy@vmware.com. Or begin your digitization journey now with a free Virtualization course.

"The IT Academy team envisions a world where technology is leveraged as a force for good, so individuals and communities can thrive." —Tom MacKay, VMware Senior Director, Global Technical Sales Enablement COE

Realize the Possibilities.

CYBERTITAN NEWS

Sensational Partnership Announcement

We have some exciting news! We have finalized a major sponsor for our CyberTitan II competition! ICTC is pleased to announce that the Communications Security Establishment is now a Platinum sponsor for this year's event. This unique and engaging environment provides students with immediate feedback on their level of cybersecurity comprehension and skill building.

"We are delighted about this new partnership and to have CSE as a CyberTitan Platinum Sponsor," said Namir Anani, Pre

sident and CEO, ICTC. "This will allow us to continue to expand the knowledge and importance of cybersecurity skills for youth, and pave the way for Canada to be a world leader in cybersecurity."

We are still looking for a few more sponsors for this year's event. If you know of a company or contact we should reach out to please email us at cybertitan@ictc-ctic.ca. For more information on our sponsorship packages please visit: <https://www.cybertitan.ca/index.php/about/partners-and-sponsors/>



Presented by:

NORTHROP GRUMMAN
Foundation

Cyber



Cyber Gold



Cyber Silver

