COMMISSIONER'S CACHE

"You can design and create, and build the most wonderful place in the world. But it takes people to make the dream a reality." – Walt Disney

Remove the word "place," and substitute "program," and you have done a fair job of describing what has brought us to where we are with CyberPatriot. A lot of credit goes to the bright people on AFA's Aerospace Education Council who conceived of the idea. But it's many people who have made the program what it has become: the largest cyber defense competition in the world. Without competitors, we would have no need to exist. Without coaches, technical mentors, team assistants, and energetic volunteers (including many AFA volunteers), we would not have the mechanisms to deliver the program. Without educators and administrators, we wouldn't have the local support we need to flourish. Without energetic facilitators, coordinators, and program managers, the centers of excellence that we so rely on would have never been born. Without a great CyberPatriot Program Office staff—with terrific matrixed augmentation from other AFA departments—the program would stop. And without the generous support of our sponsors and cyber partners, led by Northrop Grumman Foundation, we would not have the means to operate. CyberPatriot is a team sport in many ways. Thank you all for making that possible.

Bernard K. Skoch | National Commissioner

DATES TO KNOW

OCT. 1	End of CP-XII Training Round
OCT. 2	Last day for CP-XII Registration
OCT. 3	Start of CP-XII Practice Round
OCT. 15	End of CP-XII Practice round
OCT. 25	Start of Round 1
NOV. 1	Competitor Registration Deadline
NOV. 15	Payment Deadline

WE'RE ON INSTAGRAM!

@AFACyberPatriot
Follow us and win! (see page 4)

CYBERPATRIOT XII: NEW COMPETITION SEASON = IMPORTANT CHANGES

The CyberPatriot XII competition season is moving forward and picking up speed. Some important changes and information concerning CyberPatriot XII are listed below.

- **VMware Workstation Player version 15.1.0** is the standard image player for CyberPatriot XII. (See article.)

- **Packet Tracer 7.2.2** is the version that is used for the Cisco Networking Challenge.

- **Access to HTTPS** on port 443 is now required for images to reach the scoring server. Access to port 80 is also required.

- **Scripting rules:** Please be reminded that teams from the same school, organization, or coach or mentor may not share scripts. The Rules Book will be published by October 15.

- **Semifinal Round is two days only** — Friday and Saturday. Teams should make arrangements now if they believe they have a chance to be in the Semifinals.

- **New Unique Identifiers** will be used for the Training Round and the remainder of the season. They are located on the Coach's Dashboard.

- **Practice Round begins October 3** at 5 PM ET and ends at 11:59 PM ET on November 6. All Practice Round images should be deleted at this time.

- **New Coaches Meetings** will be held throughout the month of October. Additional details will be sent via email.

- **Score Correction Requests** are now due at **11:59 PM ET** on the last scheduled day of a round

REMINDER: The last day to register a team for the competition is October 2. If you do not have a team registered by then, you will not be able to compete. You have until November 1 to register competitors and finalize rosters.

Competition/Technical questions? Contact cpoc@uscyberpatriot.org

PREPARING CYBERSECURITY LEADERS OF THE FUTURE

WEBROOT®
Smarter Cybersecurity™

As a leading cybersecurity provider for businesses and home users, Webroot sees firsthand how the talent shortage in the cybersecurity industry is increasing at an alarming rate, exposing institutions, corporations, and other organizations to sophisticated cyber threats. In a recent survey, the analyst firm ESG found that 53 percent of global IT professionals reported a problematic shortage of cybersecurity skills—and this number has grown for the past 4 years. [1]

In honor of October's National Cyber Security Awareness Month, we are proud to partner with CyberPatriot to encourage the cybersecurity and IT professionals of tomorrow to begin developing a passion that will prepare them to fill this cybersecurity talent gap.

As part of a second-annual event at Webroot Global Headquarters in Broomfield, Colorado, this month, Denver-area CyberPatriot student groups will experience a series of talks from Webroot security experts to stimulate interest in cybersecurity awareness and careers, along with a coding challenge to provide a hands-on lesson on cryptography.

"The internet has become a source of valuable information and online tools are used as storage places for important data. Not knowing when your online data is at risk can lead to your information and accounts being exploited." - Nico, Grade 10

CyberPatriot members nationwide can find educational resources and content to share with friends and family at **www.webroot.com/cyberaware** throughout National Cyber Security Awareness Month.

Plus, follow @Webroot on social media and join the conversation with #CyberSmart!

@webroot   fb.com/webroot   @webroot

There is power in predicting the obstacles we will face to protect internet users from the cyberthreats of tomorrow. Ensuring we have a skilled and spirited workforce to face these challenges is an action we must take today.

Sources: [1] https://www.esg-global.com/blog/the-cybersecurity-skills-shortage-is-getting-worse

MacOS USERS BEWARE

Phishing attacks reaching macOS users are set to more than double this year, with emails specifically claiming to be from Apple growing at 30%-40% per year. For phishing attempts aimed at stealing Apple logins, the most common ones are:

- Claiming that your Apple account is "locked" and you need to "confirm" it to restore access
- Sending a receipt for an expensive claimed purchase, with a "Cancel" link
- A message from "Apple Support" claiming to have detected problems with the Mac.

Fraudulent emails and fake websites can look extremely convincing, so beware. The URL is often the only real clue, so it's worth ensuring your friends are on the lookout for such emails. (Source: 9to5Mac)

Coaches' Corner

- **AT&T Air Cards:** We are excited to announce that AT&T will again generously provide air cards for teams that need connectivity support for the CyberPatriot competition. Each Coach may request up to three air cards for each of their teams for the duration of the online rounds. A request form for teams needing AT&T Air Cards will be sent a couple weeks before the start of Round 1.

- **Cisco NetAcad Access:** Information regarding access to the Cisco Networking Academy Instructor Courses will be emailed to all coaches on October 1.

- **Competitor Registration:** Competitors must be added to rosters no later than 11:59 pm ET on Nov. 1, 2019. You will be unable to add competitors to a roster or transfer competitors between registered teams beyond this date. A competitor status of "pending" is acceptable for this deadline. Competitors CAN be under 13 years of age. The checkbox certifying that they are 13 years old is strictly for Cisco NetAcad access. It is NOT an age requirement for participation in CyberPatriot.

- **Payment:** Payment or fee waiver requests must be submitted by Nov. 15, 2019. We accept purchase orders, checks, and credit card payments.

SPOTLIGHT: NATIONAL CYBERSECURITY AWARENESS MONTH

OWN ▸
SECURE ▸
PROTECT ▸
IT.

OCTOBER **2019**
**National Cybersecurity
Awareness Month**
#BeCyberSmart

OCTOBER IS NATIONAL CYBERSECURITY AWARENESS MONTH

The line between our online and offline lives is indistinguishable. In these tech-fueled times, our homes, societal well-being, economic prosperity and nation's security are impacted by the internet.

Under the overarching theme of **'Own IT. Secure IT. Protect IT.'**, the 16th annual National Cybersecurity Awareness Month (NCSAM) is focused on encouraging personal accountability and proactive behavior in security best practices, digital privacy and drawing attention to careers in cybersecurity. NCSAM 2019 will address the following online safety messages and identify opportunities for behavioral change:

Own IT.

- Never Click and Tell: staying safe on social media
- Update Privacy Settings
- **Keep Tabs on Your Apps: best practices for device applications**

Secure IT.

- Shake Up Your Passphrase Protocol: create strong, unique passphrases
- **Double Your Login Protection: turn on multi-factor authentication**
- Shop Safe Online
- Play Hard To Get With Strangers: how to spot and avoid phish

Protect IT.

- If You Connect, You Must Protect: updating to the latest security software, web browser and operating systems
- Stay Protected While Connected: Wi-Fi safety
- **If You Collect It, Protect It: keeping customer/consumer data and information safe**

KEEP TABS ON
YOUR APPS.

Apps left unchecked can run riot on your device.

DOUBLE YOUR LOGIN
PROTECTION

Enable multi-factor authentication for extra account security.

IF YOU COLLECT IT,
PROTECT IT.

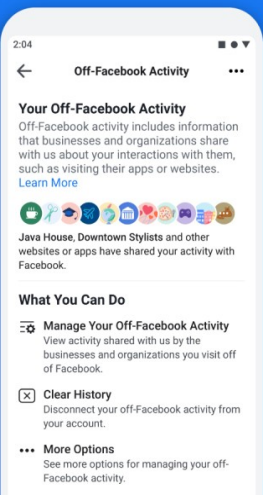Keep all your business data, including customer and employee information, stored safely.

Source: https://staysafeonline.org

For additional information, visit https://www.dhs.gov/national-cyber-security-awareness-month

FACEBOOK MAKES TRACKING OUTSIDE OF SITE VIEWABLE TO USERS

A new Facebook tool will allow you to see the reach of Facebook's tracking outside of the site itself.

"Off-Facebook Activity" displays a summary of those third-party websites that shared your visit with Facebook, and will allow you to disconnect that browsing history from your Facebook account. You will be able to:

- See a summary of the information other apps and websites have sent Facebook through our online business tools, like Facebook Pixel or Facebook Login;
- Disconnect this information from your account if you want to; and
- Choose to disconnect future off-Facebook activity from your account. You can do this for all of your off-Facebook activity, or just for specific apps and websites.

The feature will first be made available to people in Ireland, South Korea and Spain, and will continue to roll out everywhere within the coming months. It's important to note that because the browsing information isn't being deleted — it's simply dissociated from your Facebook account. Facebook will still hold on to the data but will anonymize it rather than pair it with your profile.

For additional information on Off-Facebook Activity, visit Facebook's newsroom .

Follow @AFACyberPatriot on Instagram and win cool gear!

On October 15, we'll be giving away CyberPatriot gear to 10 randomly selected followers. So follow us and spread the word to all your friends! If selected as a winner, you'll receive a direct message from us through the app!

Follow us today!

THIS MONTH IN CYBER HISTORY

October 27, 1980 — The First Major Network Crash

The ARPANET, predecessor of the modern Internet, was set up by the Department of Defense Advanced Research Projects Agency (DARPA). Initially it had linked four sites in California and Utah, and later was expanded to cover research centers across the country.
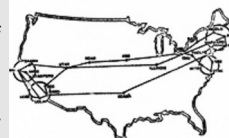
The network failure resulted from a redundant single-error detecting code that was used for transmission but not storage, and a garbage-collection algorithm for removing old messages that was not resistant to the simultaneous existence of one message with several different time stamps. The combination of the events took the network down for four hours.

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