



TENN VALLEY FLYER

Tennessee Valley Flyer 1st Qtr 2013 (Jan-Mar)

Chapter Trains Future ACEs

Elementary teachers from across the Tennessee Valley and beyond braved ice and treacherous roads to participate in the Chapter's first-ever Aerospace Education (AE) Teacher Workshop. Russ Lewey, Chapter VP for AE, stated that the workshop was possible due to the generous donations by McLarty Landers of Huntsville, Lockheed Martin, and the U.S. Space and Rocket Center. However, Russ went on to point out that it was the efforts of the Chapter's former VP for AE, John Phillip, and the Chapter's Secondary School Teacher of the Year, Ms. Jennifer Kennedy, who developed and instructed the courses to an eager group of gifted elementary teachers.

In addition to hearing about the various aerospace education programs that the AFA and the Civil Air Patrol (CAP) offers, teachers were provided two lessons suitable for elementary students.



AFA Chapter member, John Phillip, describes "Forces of Flight" to group of gifted elementary teachers.

John Phillip in his "Forces of Flight" class, taught the fundamentals of aerodynamics; from the various parts and functions of an aircraft to a unique demonstration of Bernoulli's Principle. Meanwhile, Jennifer Kennedy took her class on a camping expedition to the International Space Station. The highlight of her class was getting to "eat" space pudding.

The program was developed in part using materials provided under the partnership with the CAP) Aerospace Education Membership (AEM) Program and the Aerospace Connections in Education (ACE). Each teacher attending was provided, courtesy of the Tennessee Valley Chapter, a free AEM and eligibility to participate in the ACE program. An AEM membership provides products designed to ignite the minds and spirits of young people toward STEM subjects and careers.

Each membership includes a plethora of special benefits,

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You can follow the Chapter's latest activities on Facebook. Just "like us" at AFA TVC 335.



Presentation of second installment payment of \$4,000 for USAF Flag at Huntsville Madison County Veterans Memorial. Only \$5,000 more to raise! Thank you for your support!



Finals will
take place
14-15 Mar at
National
Harbor, MD.

More Cyber-
Patriot informa-
tion is available
at
www.uscyberpatriot.org

Cyber Patriot (CP) News and Views

In a nutshell:

- 12 Teams Entered from North Alabama (35XXX Zip Codes)
- 5 Teams Moved into the Semi-Finals! Yea!
 - New Century Technology HS (Huntsville)
 - Virgil I. Grissom High School (Huntsville)
 - New Century Technology/Lee HS (Army JROTC)
 - Naval Sea Cadet Corps Valor 063VAL (Gardendale)
 - Civil Air Patrol Pell City Composite Squadron (Anniston)
- 1 Team is in the FINALS: GARDENDALE!!

Good Job to All and Congratulations!! Best of Luck Gardendale!

Personal Views from CP Participants (CP Even Helped One Get a Job! Tell Your Kids!)



From:

New Century Technology High School CyberCenturians

By Jacob Hoogstra

I have learned and enjoyed so much from my experience with Cyber Patriot. Before I joined up on Cyber Patriot my knowledge of computer security was minimal, and was really what I had learned from just messing around at home. When I joined Cyber Patriot and had a chance to see what it was like through the initial practice round, I realized that there was a lot that I needed to learn. In between each round in Cyber Patriot, I would go home and research everything I could to prepare for the next round, and whenever there was a topic brought up by another member of Cyber Patriot, or my coach, Mr. Morse, such as security templates, I went home, found out how to make them and made whatever templates I needed to for the next round in competition.

Everything I've learned from Cyber Patriot has been self-taught, and I can say over the course of these past few months, I have learned more about computer and network security than I could have in a year. Cyber Patriot simply provided me the means to motivate myself through competition and get the job done.

But Cyber Patriot was much more than just learning about computers and testing myself against other students across the world that share my ambition. Cyber Patriot has been an enjoyable experience that I wish I could do forever. Throughout the competition, the team has had its ups and downs, especially after we got our wake-up call in Round 1 after we realized what we were really dealing with. But those downs have made the fun experience of working with my teammates and sharing this experience with them worthwhile.

Given the opportunity I would recommend anyone to participate in the Cyber Patriot competition. It is more than just an opportunity to compete with others while going to win a trophy; it is also an opportunity to get together as a team and to make bonds with those people that you will never forget.

By JD

I have been involved with CyberPatriot for three years. We started out knowing very little. It was a humbling experience. This motivated us to learn more about network and cyber security. This experience has change the way I look at computing and computers and I am more aware of security issues and the job opportunities in the field. In fact I have decided to major in computer science and focus on cyber security.

My experiences with CyberPatriot lead to the development of friendships with people I would not have normally met and has given me a different outlook on teachers as I saw a different side to Mr. Morse out of the classroom. In addition, because of CyberPatriot, I received an internship with a local cyber security company last summer. I enjoyed it so much and I guess was successful as they have hired me as a part time employee and offered me this position throughout my college career.

By Dale TeGantvoort

This was my first year participating in the CyberPatriot competition, and I had the privilege of being able to start up our first JROTC team, which was even more special in my opinion. At the very beginning of the season, I was unsure how this all was going to play out, as we did not have what seemed to be a compatible team; there was much bickering and unease amongst the teammates, so the coming months showed to be full of surprises. After

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Our Newest Community Partners: Dr. Rebecca Howell, H-STAC Web Designs, and L-SINC



Dr. Rebecca H Howell

Pic © Melissa Tash Studio

Come *Smile, Smile, Smile* with Dr. Rebecca H. Howell.

Dr. Howell offers a comfortable and friendly environment for your dental needs. New patients and emergencies are welcome to our convenient downtown location behind Huntsville Library. Our hours are Monday-Thursday, 8-5, and Friday, 8-3.

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- Services include:
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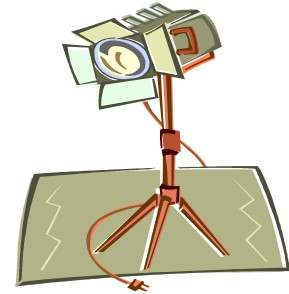
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Originally founded in 1996 un-
der a different name
(Independent
Computer Solutions)

Air Force Veteran!

H-STAC is a debt-free, small
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Spotlight -
Community
Partners



Taking ideas to reality!

Economically
Disadvantaged Woman-
Owned Small Business

Core Competencies:

- Strategy & Intelligence
- Strategic
Communications
- Engineering and
Analysis
- Product Development

Engineering Portfolio:

- Military and Law
Enforcement
- Medical
- Simulation
- Scale Models
- Industrial Products

Whether you are introducing
new products or capabilities,
struggling with changes in your
environment, or looking to lay
out a clear path for future
growth, LSINC can help.

**3414 Governors Dr.
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Veterans Memorial Dedication



AF Flag Flies Proudly!



To Learn How To Send a [Tax-Deductible Donation](#) for the Air Force Flag at the Huntsville Madison County Veteran's Memorial, Contact the Tennessee Valley Chapter at President@hsv-afa.org

Call for STEM Scholarship Applications!

Do you know of anyone who is a senior in high school — who will graduate Spring 2013 — who is a dependent of an enlisted active duty or retired Air Force Airman (or Guard or Reserve) — who is enrolling in college in a science, technology, engineering, or math degree program this fall? If so, that student may want to apply for the Lt Col Romeo and Josephine Bass Ferretti Scholarship. A recipient of this scholarship will have \$2,500 sent to their college or university. For more information and for an application, please visit our website at <http://r.listpilot.net/c/afa/7v5gq4q/1pc0k>.

CyberCenturians, Continued from page 2

the first round, I learned an important lesson about being calm in the face of uncertainty. Near the end of round one, there was nothing but anger in the room, and that was not a way to handle things. When round two came around, I was surprised to see how well everyone worked together all the way down to the bitter end, and the calmness and patience through the ordeal proved to be a good thing, as we made it through to the third round. Although we did not fare as well in the third round as we would have liked, the experience in itself was a great one.

Through the season, I got to learn a lot about a computer's inner workings and even become interested with computer forensics, which was a big shock. My time on the CyberPatriot team has given me many skills that I will be able to take with me into my college years, and hopefully relate them to my intended major. The experience was overall was an enjoyable one, and I am proud to say that I got to experience it for myself.

Last Quarter Highlights:

- Chapter support of Aviation Challenge with Galaxy of Lights
 - 30 Nov and 7 Dec 2012
 - Around 28 volunteers
 - Great feedback!
 - Result: Free use of classroom for Teacher STEM Workshop
 - Thanks to POCs: LtCol Burke Hare and George Krym
 - 15 Nov Quarterly Meeting
 - Guest Presentations by:
 - Dave Hall, "Cyber Protection"
 - Zig Jastrebski, "Air War Over Vietnam"
- Were both informative!
Don't miss the next one!

Cybersecurity Helpful Hints

From Dave Hall (Hall Assoc) and Others

- Children are targeted with identity theft 35x more than adults; keep their info private.
- Get virus protection for your smart phone.
- Check credit card statements monthly.
- Don't advertise that you are on vacation on Face Book! Wait until you return to post pictures.
- Watch your valuables; people steal from open satchels.
- Scan thumb drives for viruses after inserting them into public computers, i.e., to get Christmas card photos made.
- Watch out for the Jury Duty scam and others who call and ask for personal data; don't give it out!
- Report online crime or fraud to U.S. Secret Service Electronic Crimes Task Force or Internet Crime Complaint Center
- Report identity theft to the Federal Trade Commission.

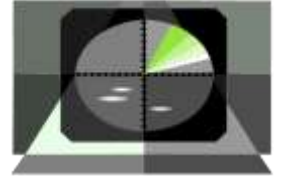


Don't Forget to Meet New and Old
Air Force Friends at 1700 hours
at the Redstone Arsenal Bowling Alley
the last Thursday of Each Month!
AFA membership not required!
POC: Terry Roop, tloop@charter.net



Future Events

“ON THE RADAR”



- **March AFA/AFCEA/NDIA Luncheon cancelled due to budget constraints and TDY restrictions on Air Force leaders**
- **5 Apr, Alabama Council for Technology in Education (ACTE) NW Regional Technology Fair, VBC, Call for Judges: 7:45 a.m. to 11:45 a.m.
Contact: Russ Lewey at leweyrv@yahoo.com**



Left: Everyone enjoyed the Aviation Challenge festivities!



Right: Veterans' Day Parade participants who braved the rainy weather!

Support our Community Partners!

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www.beasonnalley.com

Bevilacqua Research Corp

www.brc2.com

Bill Penney Toyota

www.billpenneytoyota.com

The Boeing Company

www.boeing.com

Davis Strategic

Innovations, Inc.

www.davisdsi.com

DMD, LLC

www.dmdgroupinc.com

Dr. Rebecca Howell (Dentist)

www.rebeccahowelldmd.com

Ducommun-Miltec

www.ducommun/miltec

H-STAC

www.h-stac.com

GATR Technologies

www.gatr.com

L3 Communications

www.L3comm.com

Lockheed Martin

www.lockheedmartin.com

L-SINC

www.inergi.com

ManTech International

www.mantech.com

Qualis

www.qualis-corp.com

Quantech Services

www.quantechserv.com

Redstone Federal Credit Union

www.redfcu.org

RLJ McLarty Landers

Automotive

www.rljmclartylanders.com/

SPARTA, Inc., a Parsons Company

www.parsons.com/market/s/pages/sparta.aspx

T & W Operations, Inc.

www.tnwops.com/

U.S. Space & Rocket Center

www.spacecamp.com/museum

Woody Anderson Ford

www.woodyanderson.com

Want to Become a
Community Partner?

Contact
Jim Porter
at

jporter@knology.net

Tennessee Valley Chapter Trains Future ACEs

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such as:

- Over 20 free K-12 National Academic Standards-based STEM materials, including a full color, 675-page comprehensive aerospace textbook
- Unique programs, awards, grants, and college credit courses
- *Free Teacher Orientation Program Flight* at local airports

Susan Mallett, South-Central Regional AFA VP for AE, along with Mare Gilmore, HQ CAP ACE Program Director, and Lynn Toney, CAP State AE Director (also former-Chapter and State AFA Teacher of the Year), also participated, describing to the teachers additional programs and grants that they are eligible for as AEMs.

The day was topped off with the Chapter's own, Skeet Vaughn, providing personal insight on his time at NASA, with a tour of the Lunar Land Rover he helped design.



Jennifer Kennedy takes her class on a camping trip to the International Space Station.



Teachers and staff pose at the U.S. Space and Rocket Center during the Tennessee Valley Chapter's (first-ever) Aerospace Education and Science, Technology, Engineering, and Math (STEM) Workshop.

The Valley's Teachers of the Year

Once again, the Tennessee Valley AFA Chapter is seeking nominations for the top Elementary and Secondary Teacher of the Year.

Guidelines for Applying

- Open to all K—12th Grade teachers across the Tennessee Valley who promote STEM and aerospace skills and are preparing students for tomorrow's technologies.
- Program Year runs from 1 May 2012 – 31 March 2013
- Submit an application NLT **22 March 2013** (available by contacting Russ Lewey (email: LeweyRV@Yahoo.com).
- One-page narrative of the teacher's accomplishments and achievements, above and beyond the standard curriculum, which promote aerospace education and/or STEM, along with the impact of the program/activities on the students.
- Letter of recommendation from a school official (Principal or higher)
- (Optional) Up to 3 pages of articles, other documents, and/or photos that include the teacher with students completing STEM activities (ensure students in photos have media release permission for use).
- AFA elected chapter officers and their immediate family members (spouse/children) are not eligible. AFA Chapter Teachers of the Year recipients who have won within the last 3 years are not eligible to apply.

Winners Receive

- Check for \$250
- Certificate of Excellence
- AFA Tote Bag
- Complimentary Civil Air Patrol Aerospace Education Membership
- Eligibility to compete at the State level and, if a winner, at the National level