

CIVIL AIR PATROL

Fall 2017



volunteer

Celebrating Cadet Programs' 75 years of service

Saluting CAP's Cyber Success

**Former Cadets Give
Back As Senior Members**

Success is our Specialty!



LEARN TO FLY WITH US!

Blue Line Aviation is the region's leader in innovative aviation solutions for individuals and businesses. Blue Line has designed custom programs that result in the production of high quality, safe, and knowledgeable pilots.

FINANCING AVAILABLE FOR ALL COURSES

Private Pilot Course: Offered in both accelerated and traditional fashion, our private pilot course provides you with the knowledge and skills you need to enjoy a safe flying "career." Whether you plan to fly professionally for recreation, or use aviation for business transportation, this is where you start and can complete in 21 days.

Instrument Rating Course: Offered in both accelerated and traditional fashion, the instrument rating takes your skills to the next level. In this course, you discover the joys and master the challenges of safely flying under instrument flight rules and in instrument weather conditions in as little as 10 days.

Commercial Pilot Course: A commercial pilot certificate allows you to fly for "compensation." If you plan to fly for a living, this course is a requirement. Many pilots who do not intend on flying for hire also complete this course, as it elevates the pilot's flying skills to the next level, and helps them truly become a "master of the airplane." The commercial pilot course is most efficiently completed in as little as 5 days in an accelerated fashion, but can be spread out over a longer period of time as well.

SPECIAL PRICING AVAILABLE FOR CAP MEMBERS!

Training offered under part 61 and part 141.

Flight Instructor Academy: If you are interested in teaching, want to teach to build time, teach for a hobby, or you just want to reach the pinnacle of general aviation credentials, the Blue Line Flight Instructor Academy is simply the best CFI program you'll find anywhere. Our CFI Academy efficiently prepares you for your initial CFI check ride. Individual courses for CFI is in as little as 10 days, CFII in as little as 5 days, and MEI in as little as 3 days, they are available as well as combination packages for added savings.

Airline Training Program: This course is specifically designed for anyone interested in working in the aviation industry as a pilot. Whether you want to be a career flight instructor, a corporate pilot, charter pilot, or airline pilot, you'll get a solid foundation with the Blue Line Professional Pilot Academy. The course contains around 270 hours of flight time, can be completed in as little as five months, and graduates students with Private, Instrument, Commercial, Flight Instructor, and Instrument Instructor ratings. Upgrade to our multi-engine program and also get Commercial Multi-Engine and Multi-Engine Instructor qualifications.

Multi-Engine Programs: Blue Line offers accelerated multi-engine add on ratings and time build packages at very competitive rates. Add a multi-engine rating to your private or commercial rating, in 5 days, get your MEI, or do your multi-engine ATP with Blue Line.

Airline Transport Pilot: If you took the ATP written before July 31, 2014, Blue Line can provide the flight training you need to finish the ATP add on rating for single or multi-engine aircraft in 3 days.



www.bluelineaviationllc.com

919.578.3713

www.facebook.com/bluelineaviation



Raleigh Durham International Airport • Johnston Regional Airport

CIVIL AIR PATROL volunteer

Fall 2017

FEATURES

- 6 Celebrating Our Cadets**
'Volunteer' Dedicated to Former Cadets
Still Serving Today
- 8 75 Years of Service**
Since World War II, CAP's Cadet Program Has
Developed America's Youth
- 13 Cyber Success**
'Wolf Pack' Leads the Way in National Youth
Cyber Defense Competition
- 19 Aviation Vocation**
Newest Member of CAP's Board of Governors
Enjoys Career in the Skies
- 23 Cell Phone Forensics**
Cadet-Turned-Senior Member Puts CAP Out Front
in Search and Rescue
- 27 All Things Aerospace**
Former CAP Cadets Find Success in Air Force's
Space Missile Command
- 32 A Sense of Belonging**
Through Cadet Program, Young Immigrant Finds
Way to Military Career
- 36 Learning to Lead**
National Vice Commander Developed His
Leadership Skills in CAP
- 40 Excelling at Entrepreneurship**
One-Time Cadet Blazes Own Business Path
- 44 Living the Dream**
Wing Commander Enjoys Career Success Thanks
to Cadet Program
- 47 An Eye on the Sky**
Yesterday's Civil Air Patrol Cadets Become Today's
Air Force Weather Officers
- 52 Leading by Example**
Exemplary CAP Cadet Becomes College Administrator
- 55 Corporate Executive**
Former Cadet Enjoys Life in Private Sector
after Distinguished Military Career

The 75th anniversary emblem celebrating Civil Air Patrol's cadet program includes CAP cadet ribbon awards in clockwise order. Top center is the Gen. Carl A. Spaatz Award ribbon and immediately right is the Maj. Gen. John F. Curry Achievement ribbon. The break at the bottom is to accommodate the 75th anniversary marker, which includes the official cadet shield.



- 58 Rooted in Aviation**
CAP Commander's Love of Flight Began with
Family, Cadet Program
- 62 Building the Future**
Region Commander also Plays Leadership Role in
Construction Company
- 66 Giving Back**
Architectural Design Professional Still Finds Time
for CAP's Cadet Program
- 69 A STEM Career**
Cadet who Discovers Science, Aviation through CAP,
Becomes Medical Researcher
- 72 National Operations**
Lifelong Love of Aviation Benefits National
Headquarters
- 76 CAP Ministry**
Cadets Answered a Higher Calling, Now Serving
as Senior Members

DEPARTMENTS

- 5 From Your National Commander**

ON OUR COVER

The Colorado Springs Cadet Squadron's CyberPatriot championship team — from left, Cadet Capt. Zach Cramer, Cadet 1st Lt. Isaac Stone, team coach Maj. Bill Blatchley, Cadet Capt. Taylor Coffey, Cadet 2nd Lt. Noah Bowe, team assistant coach 1st Lt. Amy Griswold and Cadet Chief Master Sgt. Garrett Jackson — gathered for a group photo at the 2017 National Conference. See story beginning on page 13. Photo by Susan Schneider, CAP National Headquarters

Civil Air Patrol Volunteer is oriented toward both internal (CAP) and external audiences. For that reason, it uses the Associated Press style for such things as military abbreviations. Official internal CAP communications should continue to use the U.S. Air Force rank abbreviations found in CAPR 35-5.

Come soar with us



ASSOCIATE OF APPLIED SCIENCE DEGREE:

Aviation Flight

CERTIFICATE:

FAA Approved Airframe and Powerplant

MASTERS IN PUBLIC ADMINISTRATION:

Aviation Administration

BACHELOR DEGREES:

Aviation Management

- Professional Pilot Specialization
- Minors in Air Traffic Control
- Aircraft Product Support
- Airport Management and Planning

Aviation Technologies

- Aircraft Maintenance Specialization
- Aviation Maintenance Management Specialization
- Aviation Electronics Specialization
- Helicopter Specialization

aviation.siu.edu

For more information regarding our degrees call us at 618-453-8898

SIU Southern Illinois University
CARBONDALE

EDITORIAL STAFF

Maj. Gen. Mark E. Smith
NATIONAL COMMANDER/CEO

John A. Salvador
CHIEF OPERATING OFFICER

Paul Gloyd
ASSISTANT CHIEF OPERATING OFFICER

Julie M. DeBardelaben
MANAGING EDITOR

Steve Cox
ASSOCIATE EDITOR

Dan Bailey
CONTRIBUTING EDITOR

CONTRIBUTING WRITERS
Col. Frank Blazich, John Glennon, Alex
Jacks, Jennifer S. Kornegay, Sheila
Pursglove, Russell Slater, Vicky Travis

GRAPHIC DESIGN
Marie Troy

MAGAZINE EDITORIAL BOARD

Lt. Col. Paul Cianciolo
NATIONAL MARKETING/SOCIAL MEDIA MANAGER

Lt. Col. Andrew Oppmann
NATIONAL NEWS COORDINATOR, CAP.NEWS

Capt. Susan Parson
NATIONAL STAN/EVAL OFFICER

Lt. Col. Steven Solomon
NATIONAL PUBLIC AFFAIRS TRAINING
COORDINATOR

ON THE WEB

Visit **www.CAP.news** daily for the latest
national and wing news.

Civil Air Patrol Volunteer is published biannually by Civil Air Patrol, a private, charitable, benevolent corporation and auxiliary of the U.S. Air Force. Please send all correspondence to Public Affairs, 105 S. Hansell St., Bldg. 714, Maxwell AFB, AL 36112; telephone 877-227-9142, ext. 250; email paa@capnhq.gov. Opinions expressed herein do not necessarily represent those of CAP or the U.S. Air Force. Civil Air Patrol Volunteer welcomes manuscripts and photographs; however, CAP reserves the right to edit or condense materials submitted and to publish articles as content warrants and space permits.

Cadet Activity Inspires Interest in STEM

Civil Air Patrol's emphasis on the STEM-related subjects of science, technology, engineering and mathematics apparently goes way back. Here, several of the 60 Civil Air Patrol cadets attending the



Aerospace Age Orientation Course at McGuire Air Force Base, New Jersey, in 1970 tour the facilities at General Electric. One of many special summer activities offered to CAP cadets over the past 75 years, the Aerospace Age Orientation Course introduced youth to aviation and aerospace; it was ended later in the 1970s. This photo is in a collection at the National Museum of the United States Air Force.



Up, Up and Away ... Cadets Ride in Air Force Trainer

From the beginning, Civil Air Patrol cadets have enjoyed the organization's connection to the U.S. Army Air Forces and the opportunity to experience the thrill of flight. Here, two young CAP members — one a Spaatz cadet (with three diamonds on collar) — get an orientation ride in the back of a Cessna T-37 Tweet, a twin-engined jet trainer-attack type aircraft that flew in the 1950s-1990s as a primary trainer for the U.S. Air Force. Today's cadets no longer get to ride in Air Force jet trainers, but they are often passengers on larger military tanker and transport planes.

MAKE THE SKY YOUR DESTINATION

**MIDDLE
TENNESSEE**
STATE UNIVERSITY



One of our aerospace majors in a Diamond DA40, just one of our 24 aircraft used for flight training. MTSU's Boeing 727 is visible in the background.



Students working in the 360 degree Air Traffic Control simulator at MTSU



MTSU aerospace majors working in the flight operations maintenance hangar.



Practicing procedures in the ATC Simulator



MTSU has proudly hosted the 2017 National Civil Air Patrol Cadet Engineering Technologies Academy as well as the 2016 and 2017 Tennessee Wing Encampments.

Let MTSU Aerospace help you get your career off the ground. With specialized programs in Flight Dispatch, Maintenance Management, Professional Pilot, Administration, Technology, and Unmanned Aircraft Systems Operations, we have something that fits your interests.

Fourteen full-time faculty members, 35 flight instructors, and over 750 majors places us among the largest of the nation's collegiate aviation programs.

We also offer an online Master of Science degree with concentrations in Aviation Education, Aviation Management, and Aviation Safety and Security Management.



I AM **trueBLUE**

Aerospace Department

For more information, visit
mtsu.edu/aerospace

1817-4796 / Middle Tennessee State University does not discriminate on the basis of race, color, national origin, sex, or disability. See our full policy at www.mtsu.edu/Office.

Cadet Programs' Focus on Core Values Postures Our Youth for Success

As Civil Air Patrol's new chief executive officer and 24th national commander, I am delighted to lead the organization as we celebrate the 75th anniversary of Cadet Programs — the finest youth development program in the United States!

CAP's leaders created the program on Oct. 1, 1942, so America's youth could contribute to the wartime effort and prepare for service to their country. The U.S. at that time was still in the dark, early days of a global conflict. Adult CAP volunteers were already making a difference in protecting the homeland through activities ranging from anti-submarine coastal patrols to courier duties. The country's young people were supremely motivated to assist with that multifaceted campaign, and the new cadet program provided them the opportunity to do so.

Their time as CAP cadets prepared many for service in the armed forces, ranging from Tuskegee Airmen to women aviators and warriors who fought on many fronts of World War II. Throughout our history, cadets have stepped up and played vital roles in carrying out both of those missions as well.

Then and now, contributions that have transcended lifetimes are not unusual for those who have served as cadets. This issue of the *Civil Air Patrol Volunteer* features just a few examples of the exceptional service provided by our cadet superstars,



whose legacy of accomplishment and professionalism serves as a beacon that guides our CAP service today.

Over these 7½ decades, with the guidance of CAP's senior leaders and their commitment to the organization's core values — integrity, volunteer service, excellence and respect — our cadets have become leaders of their organizations, their communities, their states and their nation.

Given the top quality of the 24,500 individuals who make up our cadet corps today, this dynamic is not going to change. Please join me in saluting them and their predecessors for their selfless service.

Semper Vigilans!

Mark E. Smith

After Maj. Gen. Mark E. Smith's installation as CAP's national commander at the 2017 National Conference in San Antonio, the insignia for his new rank are pinned on by Cadet Cols. Jodie Gawthrop and Zachary Lam. Gawthrop is a member of the Indiana Wing's Lake of the Hills Composite Squadron; Lam belongs to the Washington Wing. Photo by Susan Schneider,

CAP National Headquarters

Growing up CAP

This special commemorative issue of the *Civil Air Patrol Volunteer* celebrates Cadet Programs' 75th anniversary and its remarkable record of nurturing the talents, skills, ambitions and abilities of America's youth, ultimately helping to transform them into dynamic Americans and aerospace leaders.

Developing and polishing leadership skills have been emphasized in all activities associated with CAP's cadet program throughout its history, providing the foundation for success for generations of CAP teenagers — a total of over 1 million since 1942. Early cadets, beginning in World War II, received training in leadership, aviation, preflight skills, military law, military customs and courtesies, drill and ceremonies, first aid, Morse code and signals. Today, those same lessons in leadership, coupled with an emphasis on teamwork, aerospace, fitness and character development, remain steadfast.

Our 24,500 cadets learn and train by participating in CAP's National Cadet Special Activities and wing encampments, where they explore and master such fields as powered airplane and glider flying, cyber defense, robotics, civil engineering and search and rescue. Many of them are mentored by former cadets who have served before them, cadets like those featured in this special edition of the *Volunteer* — all of whom began their CAP experience as cadets and who are still members today! They have used their leadership skills to excel in CAP as well as in the U.S. Air Force and other branches of the military, to become space command officers and weather experts, as well as airline pilots and flight instructors. They are architects, medical researchers, corporate executives and ministers, all with a common thread binding them together — Civil Air Patrol and its 75-year-old cadet program.

With this *Volunteer*, we salute CAP cadets — past and present.



President John F. Kennedy visited with a group of CAP cadets in the White House Rose Garden on May 7, 1962. Kennedy is seen here speaking to Cadet Maj. Julianne G. Glowacki, from the president's home state of Massachusetts. Glowacki is now a professor of orthopedic surgery at Harvard Medical School and a senior scientist at its teaching affiliate, Brigham and Women's Hospital. Photo courtesy of John F. Kennedy

Presidential Library





America's Future Leaders

The Story of Civil Air Patrol's Cadet Program

By Col. Frank Blazich, CAP National Historian

Cadets who participate in ground team training learn how to use state-of-the-art equipment and their own knowledge in searching for the lost and injured.

World War II and Postwar 1942-1949

The establishment of Civil Air Patrol in December 1941 made no provision for the participation of youths under age 18. An outpouring of interest by young men and women, however, inspired Maj. Earle L. Johnson, CAP national commander, and Capt. Kendall K. Hoyt, national intelligence officer, to issue General Memorandum 58 on Oct. 1, 1942. It stated that any existing CAP unit could form a counterpart cadet unit. Male and female cadets, ages 15 to 18 and in their final two years of high school, could join.

The Civil Air Patrol cadet program proved a powerful force for imparting practical skills and preparing teenagers for the military — notably military aviation — and other wartime service agencies. In several instances, cadets participated alongside adult CAP members on missing aircraft searches and other emergency service missions.

In 1943, CAP worked closely with the U.S. Army Air Forces to recruit 17-year-old males into the highly successful Air Corps Enlisted Reserve. They would be called to active duty after reaching 18. Female cadets, in turn, were recruited into the Women's Army Corps.

To support the cadet training, the Army Air Forces provided additional resources, including 288 liaison-type light aircraft sporting military insignia for cadet orientation flights and recruiting. In the summer of 1944, 48 Army Air Forces installations nationwide allowed nearly 9,000 selected cadets to attend a one- to two-week encampment to experience military life while training and learning alongside military personnel.

Postwar, the cadet program expanded



For many youth, exposure to possible career opportunities in the U.S. Air Force is an important part of being a CAP cadet.



Clifton E. Cushman, a former North Dakota Wing cadet, won the silver medal in the 400-meter hurdles in the 1960 Olympics. He served as a U.S. Air Force captain during the Vietnam War. He was killed when his F-105 was shot down in 1966.

"I have watched the beginnings of the Civil Air Patrol cadet program with great interest and I am glad to see it supported and developed by an organization of public-spirited civilians. ... Continued and growing familiarity of our coming generations with aviation and its problems is of great importance to our national health and security, both during the war and in the peace to come." – President Franklin D. Roosevelt, March 8, 1944



Throughout Cadet Programs' 75 years, cadets have learned valuable lessons in respect, discipline and leadership.

its range. In 1948, 24 cadets traveled to Canada for CAP's first International Air Cadet Exchange (IACE), while an equal number of the Air Cadet League of Canada visited the U.S. The IACE program, inaugurated in 1947, was designed to foster international goodwill and friendship among young aviation enthusiasts across the globe. 1948 also witnessed the first national and international CAP drill competitions, featuring squadrons from across the U.S. and Canada.

Cold War

1950-1975

Throughout the 1950s, the cadet program continued to prepare young people for service in the military and communities as the nation confronted the Soviet Union and communist influences. In 1950, CAP awarded its first Certificate of Proficiency to cadets who completed a three-year training course. By decade's end, the certificate became a priority measure for promotion to cadet officer grades and for participation in IACE.

Cadet membership also increased as



Cadets assemble an official Civil Air Patrol Model Building Kit offered in the late 1950s to schools and squadrons for use in aerospace education. CAP's launch of the Model Building Kit coincided with a corporate push for exposing a larger audience nationwide to the science of flight.

the program's age limits expanded. In 1954, cadets aged 15 to 20 were permitted to participate. Three years later

the age range grew to encompass cadets 14 to 21. That range expanded again in 1962, allowing cadets as young as 13 to join. As a result, 1964 saw 52,977 cadets serving in CAP — cadet membership's high-water mark.

The year 1964 witnessed a transformation of the cadet program. Under the guidance of John V. "Jack" Sorenson at CAP National Headquarters, the organization redesigned and introduced a cadet program designed around four phases: aerospace education, moral

leadership, physical fitness and the leadership laboratory.

As cadets advanced through the program, they were promoted to higher levels of rank and responsibility. Those who completed the highest level of achievement received the Gen. Carl A. Spaatz Award, named in honor of the U.S. Air Force's first chief of staff and the chairman of CAP's National Board from 1948 until 1959. To date, just over 2,100 cadets have received this prestigious honor.

Beginning in the 1950s, CAP offered cadets increased opportunities for specialized training. In 1956 the Pennsylvania Wing's Hawk Mountain Ranger School began training senior members and cadets in advanced search and rescue techniques. Most notable of all, Cadet Maj. Robert N. Barger participated in 1957's Operation Deep Freeze, becoming the first CAP cadet to fly over the South Pole.

In 1967, the Iowa Wing established a program known as the Blue Berets for ground team search and rescue and wilderness survival training. The following year, IACE welcomed female cadets for the first time.

Evolving For America

1976–now

The cadet program endured through the cultural and social changes of the 1960s and early 1970s. Many youth were unhappy about the Vietnam War and grabbed onto a spirit of youth rebellion, which turned their interests away from service in CAP. Too much classroom study and too few field activities also turned cadets away. Membership levels fell.

To reverse that trend, CAP's leadership in the 1970s worked to



National, regional and wing-level academies give participating cadets a chance to compare their experiences and expectations as members of CAP.

and cadets worked and trained together — received new emphasis. In 1975 the cadet age range expanded to students in the seventh grade and, in

1977, to those in the sixth. In 1995 youth became eligible to join at 12 and serve as cadets until 21.

From the late 1970s into the new century, cadets could access an impressive range of activities. The Air Force Academy Survival Course in Colorado, Hawk Mountain, the National Blue Beret program, IACE, the Air Force Association's CyberPatriot National Youth Cyber Education Program and flight training scholarships translated into increased cadet numbers. Cadet training remained valuable for those who



Nicole Malachowski, now a U.S. Air Force colonel, learned to fly as a cadet in the California and Nevada wings. In 2006 she became the first female pilot to join the Air Force Thunderbirds, performing as the No. 3 (Right Wing) fighter in the air demonstration squadron's diamond formation.

make the cadet program appealing again. Orientation flights and summer encampments increased, and composite squadrons — in which adult members

chose to enlist in the Air Force, which in 1978 approved the award of the E-3 pay grade (Airman 1st Class) to those who earned CAP's Gen. Billy Mitchell

Award as a cadet.

Today, cadets continue to serve and thrive as pillars of CAP's mission. Many of their predecessors reached incredible heights, including Olympic silver medalist Clifton E. Cushman; Air Force Chief of Staff Gen. Michael E. Ryan; Air Force Thunderbird pilot Lt. Col. Nicole Malachowski; Chief Master Sgt. of the Air Force James C. Binnicker; Rhodes Scholar Hila Levy; commander of the first mission to orbit the moon, astronaut and Air Force Col. Frank F. Borman; and Air Force Col. Eric Boe, who piloted a pair of space shuttle flights more than two decades after achieving CAP's top cadet honor, the Spaatz award.

All of these men and women began their journey to success as CAP cadets, and the future remains bright for the American youths who will continue this legacy into the next 75 years. ▲



▲ Then-Cadet Maj. Jim Godar of the Illinois Wing's Springfield Composite Squadron surveys homes after two tornadoes ripped through Springfield in March 2006. Godar is now deputy commander of the Missouri Wing's Sedalia Cadet Squadron, holding the rank of captain.



FLINT
A E R O I N C

**FAA-PMA approved auxiliary fuel tanks
for Cessna airplanes since 1967.**

***We salute and support the
Civil Air Patrol!***

**(619)
448-1551**

**Gillespie Field
(SEE)**

**1942 Joe Crosson
Drive, El Cajon**

www.flintaero.com



**'Wolf Pack' Cadets Are
CyberPatriot National Champs
for 2nd Time in 7 Years**

By Sheila Pursglove

Cyber Success



Seven-time finalists and two-time champs.

That's the record of the Colorado Springs Cadet Squadron, aka "The Wolf Pack," in the Air Force Association's CyberPatriot competition over the last seven years.

The Pack finished first in a record field of teams in this year's CyberPatriot IX National Youth Cyber Defense Competition All Service Division finals. The team also took the title in 2012 and has been in the finals seven straight years, placing third in 2016.

"The competition is not only for 'nerds,' " said Cadet Capt. Taylor Coffey, team captain, who plans to become a cyber security officer in the U.S. Air Force. "Everyone needs to know the basics to stay safe in an online world.

"CyberPatriot is definitely the best cyber competition out there. It's fun, yet challenging. It's extremely rewarding, in both knowledge and physical awards. It's a fantastic program, and I would recommend it to anyone."

The Air Force Association's CyberPatriot commissioner, Bernie Skoch, left, and AFA vice president of the board for aerospace education, Dick Bundy, flank the jubilant Colorado Springs Cadet Squadron team members and their mentors — from left, 1st Lt. Amy Griswold, team assistant coach; Cadet 2nd Lt. Noah Bowe; Cadet Chief Master Sgt. Garrett Jackson; Cadet Capts. Zach Cramer and Taylor Coffey, team captain; Cadet 1st Lt. Isaac Stone; and Maj. Bill Blatchley, team coach. Photo courtesy of the Air Force Association



Coffey and his teammates — Cadet Capt. Zach Cramer, Cadet 1st Lt. Isaac Stone, Cadet 2nd Lt. Noah Bowe and Cadet Chief Master Sgt. Garrett Jackson — were coached by the squadron’s aerospace education officer, Maj. Bill Blatchley, who was assisted by 1st Lt. Amy Griswold and Cadet 2nd Lt. Victor Griswold.

Amy Griswold taught the cypher (Leidos) challenge; kept the team on track with online training for Cisco events; researched the Facebook challenge, forensics and Wireshark; and set up training materials; while Blatchley concentrated on Master Challenge training.

“Our ‘divide and conquer’

approach works very well,” she said. “I truly enjoy learning right along with the team and I tend to find training materials that the rest of the team has never seen or used before. Sometimes not knowing all the answers is the best way to teach.”

CyberPatriot isn’t just about winning competitions, she added. “Competing



is just a fun thing that comes along with all the study and work. Maj. Blatchley stresses this is about learning skills that make you employable and give you an advantage competing for jobs or college.

"The real-world approach has created a dedicated squadron of cadets and has real-life results, shown by how

many of our previous cyber cadets are working in the field straight out of high school, steps ahead of their peers. Cyber security, computer/digital forensics, systems analyst, operations engineer, regression tester, programmer the door is wide open to step into any digital career after the experience they gain with CyberPatriot," she said.

Members of the 2017 "Wolf Pack" point out the winning CyberPatriot IV team from Colorado Springs on the national finals' history display.



The secret, Griswold said, lies not in teaching but in asking cadets to learn.

“We make them find answers even if it takes a few weeks. We guide them down the right paths, point them to information and stress how finding answers themselves will help them retain information on a much deeper level,” she said. “Success or failure is 100 percent in their hands. We stress teamwork and leadership are just as

Members of the Colorado Springs Cadet Squadron CyberPatriot delegation posed for a photo with the Rocky Mountains as a backdrop prior to the national finals in

Baltimore. Pictured, from left, are team coach Maj. Bill Blatchley, Cadet Capt. Taylor Coffey, Cadet 2nd Lt. Noah Bowe, Cadet Capt. Zach Cramer and Cadet 1st Lt. Isaac Stone, Cadet Chief Master Sgt. Garrett Jackson and assistant coaches 1st Lt. Amy Griswold and Cadet 2nd Lt. Victor Griswold.



This trophy identifies the five Cyber All-Americans. The award is presented to students who have participated in the CyberPatriot national finals all four years of high school. Three of the five are CAP cadets — Cadet Capt. Carlin Idle and Cadet 2nd Lt. Victor Griswold of the Colorado Springs Cadet Squadron and Cadet Lt. Col. Joshua Klosterman of the Big Sioux Composite Squadron in Brookings, South Dakota.

Following the competition, cadets from the 2017 team got a chance to visit the Statue of Liberty in New York City.

important as technical ability.”

Blatchley, owner of a company specializing in software solutions for airline operations, calls on his own experiences.

“Cyber security is always in my mind,” he said. “I’ve also been involved in the administration of company computer and network systems, which provides me the foundation for teaching security concepts.”

Years ago, airmen at Eglin Air Force Base, Florida, introduced a young Blatchley and his classmates to programming on a CDC 6600 main-frame. “This launched my education and eventual career as a software engineer, so I know how valuable career exploration can be for high school students,” he said.

A big factor in success is working together, he added. “I have very smart cadets on my varsity team, but none of them act like ‘super nerds’ who think they know everything. I’ve mentored teams with ‘know-it-all’ students who really do not know much.

“Learning strengths and weaknesses of each member develops a formidable team,” Blatchley said.

Each season he asks participants to rate themselves from 1 to 5 on how much they know about cyber security. In the best cases, actual math aside, “ $3 + 4 + 2 + 2 = 19$. If you work as a team, you are stronger than your individual skills,” he explained. “I’ve seen teams who might answer $4 + 3 + 3 + 5$ and that equals about 11, if they are operating as four individuals.”

For the CyberPatriot IX season, 16 of the squadron’s 65 cadets participated across a varsity, junior varsity and middle school team. “Going to the national competition seven years in a row motivates new members to want

How Cyber Patriot Works

The Air Force Association launched CyberPatriot, the National Youth Cyber Defense Competition, in 2009 as part of its emphasis on STEM (science, technology, engineering and mathematics) education. The competition is at the center of the National Youth Cyber Education Program.

Teams compete for top placement in their state and region, with the top teams earning all-expenses-paid trips to Baltimore for the national finals, where they can earn national recognition and scholarship money.

High school and middle school teams are put in the position of newly hired IT professionals managing the network of a small company. They are given a set of virtual images that represent operating systems, then tasked with finding cyber security vulnerabilities and hardening the system while maintaining critical services in a six-hour period.

Civil Air Patrol has been involved since the competition’s inception, placing in the top three as national winners most years. Annually, CAP has generated the highest number of participating teams of any All Service Division organization, which also consists of Air Force, Army, Navy and Marine Corps Junior ROTC as well as Naval Sea Cadets.

CAP’s steady increase in squadron participation has reached the point where the organization now accounts for more than one-third of the total All Service Division teams, with more than 650 CAP teams in the 2016 competition.

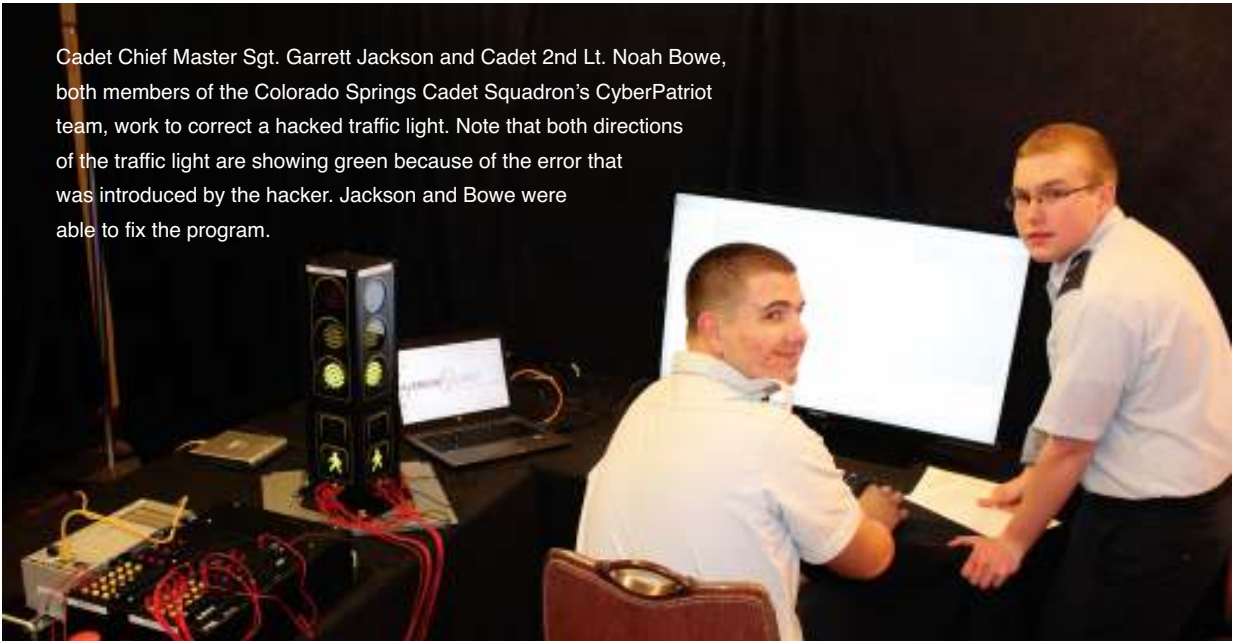
“This is especially significant as CAP members are all volunteers whose teams train in evenings and on weekends, as opposed to other All Service Division and Open Division (school) teams that meet during or after the school day,” said Susan Mallett, CAP’s youth development and AFA programs coordinator.

CAP trains cadets in several cyber familiarization courses, positioning it to be a leader in preparing youth for cyber careers, Mallett added.

“Having CAP squadrons go above and beyond to enable cadets to become workforce-ready via cyber security programs is impressive, as CAP adult leaders are volunteering their time to share professional expertise and positive role modeling,” Mallett said. “We applaud each adult coach and mentor involved in this extensive cyber training and competition program.”

Northrop Grumman Foundation is CyberPatriot’s presenting sponsor. Other program sponsors include AT&T Federal and the AT&T Foundation, Cisco, Microsoft, the U.S. Department of Homeland Security, the Office of the Secretary of Defense, Facebook, Riverside Research, Splunk, Symantec, the Air Force Reserve, American Military University, Embry-Riddle Aeronautical University, Hewlett Packard Enterprise, Leidos and University of Maryland University College.

Cadet Chief Master Sgt. Garrett Jackson and Cadet 2nd Lt. Noah Bowe, both members of the Colorado Springs Cadet Squadron's CyberPatriot team, work to correct a hacked traffic light. Note that both directions of the traffic light are showing green because of the error that was introduced by the hacker. Jackson and Bowe were able to fix the program.



Encampment Cyber Studies

During 2015, National Cadet Cyber Programs made a recommendation to add a one-hour cyber module to the CAP's encampment curriculum.

Cadets now get an introduction into all three operational domains — air, space and the new cyberspace domain — as well as:

- Introduction to safe computing practices;
- Importance of cyber defense and cyber security to national interests;
- Cyber career exploration; and
- Introduction into CAP cyber-related activities.

to get on that bandwagon and have the same success." Blatchley said.

"Knowing there are potential jobs is a big motivator. Very few college degrees guarantee a job. Cyber security or computer science is one of the few sure bets. My cadets know CyberPatriot is a real educational and career jump-start."

Former team member Cadet Capt. Carlin Idle, the first "Wolf Pack" team member to be designated as a Cyber All-American for participating in the national finals all of his four years in high school, plans on earning a bachelor's degree in cyber security management and policy and becoming an Air Force network operations officer.

"The competition was very challenging, interesting and enjoyable," Idle said. "The skills introduced me to the cyberwarfare domain and taught me the fundamentals of system hardening, industry best practices and security techniques.

"CyberPatriot opened the door for an internship at Northrop Grumman

in 2015, and I've been working there ever since," he said.

Victor Griswold, a student of digital forensics at Champlain College in Burlington, Vermont, is the second team member honored as a Cyber All-American. Only five Cyber All-Americans have been designated since the program's inception.

"CyberPatriot helped me find a path for my education and career," Griswold said. "It taught me the power of teamwork, and my year as a mentor helped expand my leadership abilities."

Former team member Cadet 2nd Lt. Darius Hines-Cross holds a bachelor's in cyber security and a master's in information technology management; he plans on getting a doctorate in computer science.

"CyberPatriot is a good foundational computer security competition that really helped excite an interest in computer security and instill the importance of securing our data and securing our future," he said. ▲



From  to Commercial Pilot

Aviation Vocation

**Col. Brad Lynn, who
has served in CAP,
the Air Force,
now flies for
United Airlines**

By Sheila Pursglove

A young Brad Lynn receives pilot training at Williams Air Force Base, Arizona, in this 1979 photo.



Lynn poses for his official portrait as the recent commander of CAP's Alabama Wing. Earlier this year, he was selected to serve on CAP's Board of Governors, the organization's top governing body.

Fascinated with aviation in boyhood, Brad Lynn built every model airplane he could lay his hands on and dreamed of taking to the skies. He went on to become a Civil Air Patrol cadet, served 30 years in the U.S. Air Force, became a civilian airline captain and served as a wing commander and region vice commander in CAP before joining CAP's Board of Governors this year.

"I was bitten by the flying bug early in life and have enjoyed it ever since," said Lynn. "Civil Air Patrol opened the aviation door (for me), and I've been fortunate to serve my country through aviation and have continued a wonderful aviation career as a captain for United Airlines."

An Eagle Scout, Lynn joined the Alabama Wing's Tuscaloosa Composite Squadron in 1969. "After talking to friends that were in the squadron, I knew the Civil Air Patrol was an organization I definitely wanted to join," he recalled.

He vividly remembers his first summer wing encampment, marching around Maxwell Air Force Base, Alabama, learning about the Air Force and taking pride in being a member of his flight. "At the end of the week, I received a ride in a T-33 Air Force jet — after that, I knew that was what I wanted to do," Lynn said.

In 1973 he earned the Gen. Carl A. Spaatz Award — CAP's highest cadet honor, earned by less than one-half of 1 percent of all cadets — and was named National Cadet of the Year.

Leadership training and experience in the cadet program have helped many with careers in industry and in the military, he noted.

"The leadership training is absolutely outstanding," Lynn said. "If cadets apply themselves, by the time they are 18 they have done extensive public speaking, conducted many



Lynn, right, receives the Gen. Carl A. Spaatz Award — CAP's highest cadet honor — in this 1973 photo, taken during a ceremony at CAP National Headquarters. He was a cadet in the Alabama Wing, serving in the Tuscaloosa Composite Squadron.

staff meetings, organized complex activities and events and have had the opportunity to lead many large groups of people toward a common goal."

The University of Alabama graduate was commissioned as a second lieutenant in the Air Force, beginning active duty in 1977. A distinguished graduate from Squadron Officer School, he earned a master's degree from the University of Arkansas. He served on active duty until October 1986, primarily as a KC-135 aircraft commander, and he did a tour at the Pentagon in the Air Staff Training Assignment.

In 1986 he transferred to the Air Force Reserve's 908th Airlift Wing, holding numerous command and staff positions and

serving as vice wing commander from May 1999 until transferring to the Pentagon in 2002. He served a tour in Reserve Operations at the Pentagon and deployed as an air expeditionary commander in the Afghanistan theater in 2004. In 2005 he became mobilization assistant to the director, Plans and Programs, Air Force Material Command.

Lynn retired from the Air Force in 2007 as a colonel with 30 years of military service. His military decorations include the Legion of Merit with oak leaf cluster, Bronze Star, Meritorious Service Medal with two oak leaf clusters, Air Medal, Air Force Commendation Medal, Outstanding Unit Award with Valor and numerous campaign and service medals.

Rejoining Civil Air Patrol's Alabama Wing that year, he ultimately served as deputy director of cadet programs, director of logistics and readiness, wing vice commander and wing commander. His leadership team re-established an outstanding glider program, earned a "Highly Successful" rating in a compliance inspection and an "Outstanding" rating on the Air Force Operations Evaluation.

Serving as wing commander was one of the most challenging yet rewarding experiences of his life, Lynn said. "I really enjoyed watching our senior members and cadets excel at every task that was placed before them. The Alabama Wing, like every other wing, has professional volunteers that are truly America's finest."

In 2010 he spent several days providing aerial photography in support of Operation Deepwater Horizon after the oil rig explosion in the Gulf of Mexico. And in September 2014 the wing took part in a search and rescue mission for a missing aircraft near

Abbeville, Alabama, where Lynn also served as a flight observer on several sorties with the Mobile and Tuscaloosa composite squadrons. The wing conducted a weeklong search in coordination with local sheriffs and the state

Emergency Management Agency. The aircraft was found in the Chattahoochee River with two fatalities.

A recipient of CAP's Distinguished Service Award, Lynn has served as commandant of cadets for Cadet

Lynn reports for Air Force duty at Bagram Air Base, Afghanistan, in 2004. While there, he served as an air expeditionary commander in the Afghanistan theater.



"Civil Air Patrol opened the aviation door (for me) and I've been fortunate to serve my country through aviation and have continued a wonderful aviation career as a captain for United Airlines." – Col. Brad Lynn, one of the newest members of CAP's Board of Governors



▲
Lynn, a captain for United Airlines, makes final preparations for takeoff in a Boeing 757 cockpit in Houston earlier this year. As a captain for United Airlines, he routinely pilots international flights to Europe and South America.

Officer School and escort officer for the International Air Cadet Exchange.

"Mentoring cadets is one of the most important things senior members do," he said. "It's a pleasure to talk to cadets about a career in the Air Force or aviation. I enjoy doing this because they are sincere in seeking advice. I'm proud to pass on anything that could help them with their future."

He has also served as an instructor and seminar leader at the Southeast Region and national staff colleges. "Most of our volunteers have to take their annual vacation to attend these courses," Lynn said. "Both are vital to developing future leaders. Being a member of staff allows me to give back and make a contribution to CAP's future."

After serving as vice commander for the Southeast Region, Lynn joined the Board of Governors in May. "I enjoy being able to contribute to Civil Air Patrol at this level, so that I can give back to the organization that has done so much for me," he said.

A captain with United Airlines, Lynn also has served as a pilot instructor and check airman. He holds type ratings in the Boeing 707, 747-400, 757, 767 and 777 and the McDonnell Douglas DC-10 and has accumulated over 20,000 flight hours.

His routes mostly take him to and from Europe and South America and this summer to Alaska. "I enjoy being able to see the world and enjoy the great destinations," he said.

Col. William Bass was Lynn's vice commander for Alabama Wing. "Brad Lynn is the epitome of a successful career in aviation, the military, CAP or any other by any measure," Bass said. "He is a visionary seeking the best outcomes of plans and programs while motivating people to achieve them. While he seeks input from his team and prefers a consensus if possible, he has, and is, fully capable of making tough decisions required of successful leaders."

"One quickly recognizes leadership. Brad is in that rare small group of 'the best of the best.'" ▲

From  to Cell Phone Forensics

Cell Phone Forensics on Search Frontlines

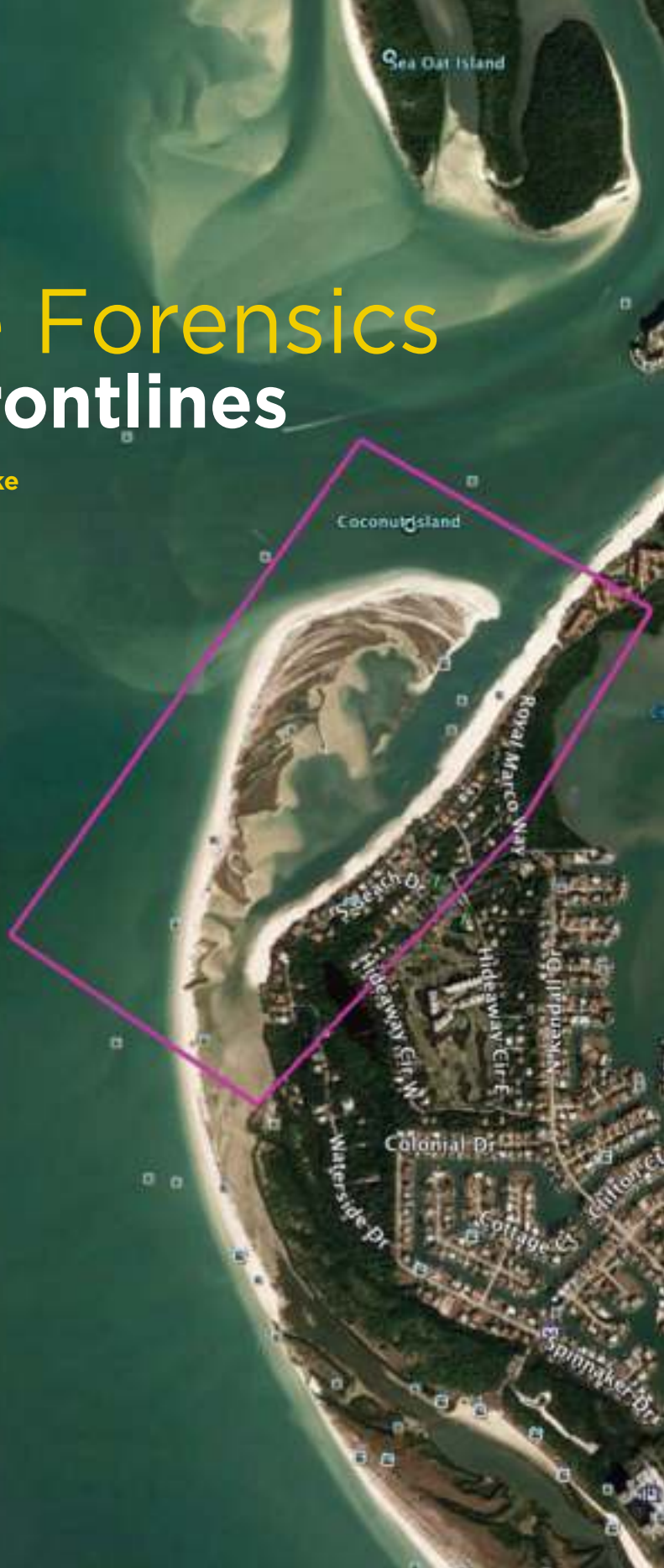
Maj. Justin Ogden and his team make sense of data for real-time clues, lead rescuers to those in need

By Vicky Travis

Nothing replaces boots on the ground when it comes to search and rescue missions. But it's the behind-the-scenes, cell-phone-data crunching that can help point those searchers in the right direction. And that means more lives saved.

In its 1,000th mission, CAP's National Cell Phone Forensics Team was able to lead the U.S. Coast Guard to a missing boater stranded on Coconut Island (search area identified here). The boater became stranded on the island, located at the mouth of Marco Bay south of Naples, Florida, when the tide went out. Even though the boater's phone had lost power, the CAP team was able to pinpoint his location when the phone became stationary.

Photo © 2016 Google





◀ Maj. Justin Ogden usually works at home, often via videoconferencing with other members of CAP's National Cell Phone Forensics Team. Here, he confers with Col. Brian Ready, who has served on the team for the past nine years.

Civil Air Patrol's National Cell Phone Forensics Team worked its 1,000th mission in March 2017. In the first seven months of 2017, the team had assisted in 216 missions, averaging eight each week.

It may seem like a no-brainer to use cell phone data to find missing people in this day and age when very few leave home without one. But CAP brings more to the table than just collecting data. Deep analysis, done quickly and efficiently by the cohesive team led by former CAP cadet, now CAP Maj. Justin Ogden, can shorten the search time by narrowing the search field.

"It's not just where the phone last was, but we can get a picture of a stream of events over time," he said. With a large set of data, the team can see trends, and because of the team's expertise gained from so many missions, it can filter out good and bad data.

"Our goal is to see, collect, analyze and present the searchers with actionable information," said Ogden, 36. "We're uniquely positioned to help. Because misleading clues are often easily accessible, searchers might chase

that one bad clue. We're extremely familiar with good and bad data."

The team would wish a happy ending for every search, but sometimes it's not possible. It's then they help families find closure quicker.

"We work a lot of searches as a contributor and we provide some clues," said Ogden. "And we work others where we are the only clue they had."

On Aug. 4, an avid hiker and her dog were found alive near Mount Teneriffe in Washington State after she went missing for four days during a heat wave. The cell phone forensics team was eventually called in and used cell phone data to direct searchers to her.

King County, Washington, searchers called Ogden as soon as they found her in the woods and told him, "Hey, someone wants to say something to you." They held the phone up to her family gathered at the

command post and they all yelled a big 'thank you.'

"That was a good one," said Ogden, who contributed to that mission while on vacation to see family. He even worked from his laptop in the passenger seat as his wife drove through Pennsylvania. In the end, it was gratifying to be able to watch a live stream of her rescue."

"That's why we do it," said Col. Brian Ready, vice commander of the Southwest Region, who is part of the cell phone team. "How cool is it to be on the front line of that?"

The olden days

In 2006, when Ogden had been a CAP volunteer for 13 years, he started the first cell phone search in the days of the Blackberry and flip phones.

A cell phone provider gave him data, which he manipulated "by hand" in Excel and then used Google Earth

to inform searchers. Now, smartphones are ubiquitous, and the amount of data they give is too overwhelming to work by hand.

So Ogden, always one to dive deeper, created software that would crunch the raw data and pour it into a program that connects to Google Earth.

Cell phone providers don't have to give out data, but for missing person searches they will. CAP's cell phone team has built relationships with the big four providers and some regional ones, so getting the records has become easier. They know CAP's good work and reputation.

"In '08 or '09, we would call cell phone companies and they'd ask, 'Who are you?'" said Ready. "Now, they all know us. They know the information we need."

A member of the team, often Ogden, Ready or Maj. Jerad Hoff, contacts the cell phone provider and requests records for a specific period of time.

"We take historical records from cell phone providers and use the tools that Justin built to hone in on a location," said Ready. "Justin took cell

phone forensics to the next level."

"It used to be that we were looking somewhere in the state, or in the county," said Ready, who joined CAP in 1982. "Now within the first few hours, we can narrow it to miles within the county. The impact is that our average mission runs less than three days."

Ready tells of a search in New Mexico, in which a lost airman's phone was on, so they texted to see if the message would deliver. Then, the team used a program Ogden built, which sends a link to the phone that the person clicks on, bringing up a map and sending the team coordinates off the phone. The airman was up on a cliff, and he was rescued based on that location.

Ogden also built a program that is sent to searchers, showing a "you are here" and directions to the person, said Ready.

"What he's done is built the tools and he's taught four or five of us how to do it," said Ready. "He's like Yoda. And, some of us are decent Jedi, but the tough ones (still) go to him."

The team, which by design stays small, has added Maj. Paul

Combellick and is training two new members. Missions are worked by one or sometimes all, depending on the time and needs. The team members balance jobs, families and time zones to get the mission done.

"It's a cohesive team," said Ready. "It's gotten to where we can almost read each others' minds."

From the beginning

Ogden's day job is actually not in computers, but in electrical engineering. He works at Harris Corp. in Virginia.

Growing up in Pennsylvania, Ogden joined Civil Air Patrol as a cadet as soon as he was old enough, which in 1993 was after sixth grade.

"I was ready to join as soon as I could," he said. His grandparents took him to air shows in his small town where he saw CAP members volunteering, and he loved being around airplanes. His grandfather flew in World War II. "With my family being in the military, I also wanted to be in uniform."

Throughout his teens, he had leadership opportunities at encampments and a chance to fly in aircrafts



Ogden, center, is the founder of CAP's cellular forensics team. He's pictured with two other members of the team, Ready, right, and Maj. Jerad Hoff.



Then-1st Lt. Ogden, right, commander of the Pennsylvania Wing's Mid-State Composite Squadron, stands with Maj. Jeff Riley during a search for an overdue aircraft in April 2006. Ogden employed cell phone triangulation as part of the search to help find the crash site.

MAJ. OGDEN'S AWARDS

- International Association of Emergency Managers
Emergency Management Volunteer of the Year,
August 2016.
- Civil Air Patrol Distinguished Service Award, August 2015
- 2014 1st Air Force (AFNORTH) Commander's Award,
August 2015.
- 2010 National Aeronautic Association Public Benefit.
Flying Award in the Distinguished Volunteer category.
- Pennsylvania Wing Civil Air Patrol Bronze Medal of
Valor, November 2006.
- Civil Air Patrol Commander's Commendation, April 2006.



In a ceremony at the U.S. Capitol in Washington, D.C., in 2010, then-Capt. Ogden, center, receives the national Public Benefit Flying Distinguished Volunteer Award from representatives of the award's sponsors.

and even in a C-130. As a cadet, he went on searches for missing aircraft, often running the radios on a mission base. He became a squadron commander in Pennsylvania, where he did hands-on work on the ground as a searcher. Also as a cadet, he had the opportunity to be interviewed on a radio station, which would open the door to another interest. He worked at the station as a DJ during high school. CAP also opened the door to working at an airport, repairing computers and even weed-eating the runway. He traded his work time for flight time and flew solo by age 16.

During his busy college years, his volunteering with CAP took a hiatus, but he got involved again after graduation from Pennsylvania State University with a degree in electrical engineering.

Always seeking the smarter way to do something, Ogden loves to dig deeper.

"I've always had an interest in deep dive analysis," he said. "How did the puzzle pieces get here? And who made the pieces?"

So while his career is in electrical engineering, Ogden has always "dabbled in programming" and has been writing software for eight years now for CAP.

Though the work of Ogden and the cell phone forensics team is usually behind the scenes, they've been noticed. Ogden has been interviewed on CNN and by other media outlets. He's also received several awards.

"When a story breaks that we're a part of and we interview, it's fun," he said. "It's exciting, but we don't seek it out. We're the silent searchers."

What's next? Ogden has already automated several things to start a search, such as email and automatic phone calls to team members and tools that do the paperwork for the carriers, all of which speed up workflow. Now he has some ideas to make the team's Google Earth experience collaborative. Right now, each one does his own work, saves a file, sends it or shares a screen.

Ogden and his wife, Amy, live in Forest, Virginia, with their two children, 3 years old and 10 months. ▲

"What he's done is built the tools and he's taught four or five of us how to do it. He's like Yoda. And, some of us are decent Jedi, but the tough ones (still) go to him."
— Col. Brian Ready, on his colleague on the National Cell Phone Forensics Team,
Maj. Justin Ogden



From  to Space Operations

From CAP to Air Force Space Command

Cadets-Turned-Officers Excel in All Things Aerospace

By John Glennon

Air Force Master Sgt. Joshua Geismar is seen at work as a space systems operations craftsman in the 216th Space Control Squadron (California Air National Guard) at Vandenberg Air Force Base in 2011. Also a major in Civil Air Patrol, Geismar serves as commander of Vandenberg Composite Squadron 101. He says he's "100 percent certain" his training as a CAP cadet built the foundation for his career, and being a unit commander is his way of giving back.



Geismar, right, receives the Military Outstanding Volunteer Service Medal from Air Force Col. Brooks Nelson (then lieutenant colonel and the former 216th OSS commander) in 2012. Geismar said, "I am most proud of this medal as it reflects my work with CAP."

In his job as a space systems operations craftsman in the 216th Space Control Squadron (California Air National Guard) at Vandenberg Air Force Base, Master Sgt. Joshua Geismar is positioned to provide the state's governor and adjutant general with accurate and timely information to make informed decisions during state emergencies.

Despite those weighty responsibilities, Geismar — who's also a major in Civil Air Patrol — has found time to dedicate over 500 hours of work as commander of the local CAP squadron.

His commitment to CAP arises not only from the fact that it helped propel him to his current position, but also because of the difference Geismar has seen in airmen who have been in CAP.

"I will tell you that you have airmen — young men and women — who have considerable responsibilities," Geismar, 41, said. "They all do a phenomenal job. However, those who have been in Civil Air Patrol generally stand head and shoulders above the others."

This year marks the 75th anniversary of CAP's cadet program, which has allowed young people to serve their communities, states and nation for generations.

Here are the stories of Geismar and two other former CAP cadets, all of whom have found success in the Air Force's Space Missile Command thanks in part to their start in the cadet program. All three serve as CAP senior officers, giving back to the program and to their communities.

Joshua Geismar

Geismar first took an interest in Civil Air Patrol when he was about 12 years old in South Florida, intrigued

by the uniform a neighbor would wear to his weekly CAP cadet meetings and also excited about the prospect of someday serving in the armed forces.

He responded to the discipline of CAP, benefited from its mentors, learned how to operate a radio, was introduced to aerospace education and mastered CAP customs and courtesies.

As a junior in high school, Geismar joined the U.S. Army's delayed enlistment program, using his CAP background and experience to give him a head-start in the military. He would eventually serve in the storied Rakkasan Raider Brigade of the 101st Airborne.

"I did very well from the start, was routinely promoted ahead of my peers and earned several awards," said Geismar. "I believe much of that success is due to the foundation that I received as a CAP cadet."

Geismar eventually re-enlisted in the California Air National Guard and served in the 216th Operations Support Squadron at the Joint Space Operations Center. His primary responsibilities included maintaining space situational awareness of all objects in orbiting the Earth.

"We monitored satellite trajectories and predicted potential collisions — much like air-traffic control, but with satellites," Geismar said. "Satellites average speeds of 17,500 mph in order to maintain orbit. The world has

become very reliant on space situation awareness sharing.”

Geismar said he’s “100 percent certain” that his CAP training built the foundation for his career, which is why he spends a significant portion of his spare time as a CAP squadron commander. He enjoys helping cadets learn about rockets, robots, radios and more — even if it comes at the expense of a little family time every now and then.

The Indiana native is married and has one child.

Andrew Harris

It was a simple interest in flight that drew Andrew Harris to Civil Air Patrol, way back when he was a junior high student in Syracuse, New York.

“I was a very aviation-centered kid,” Harris said. “That was my thing. It wasn’t dinosaurs for me. It was airplanes.”

Shortly after attending his first CAP cadet meeting, Harris joined a junior-high mentorship program, one in which he was — to his great delight — paired with a colonel, the base commander of the local Air National Guard wing. So every couple of weeks, Harris would meet with the commander and, basically, learn how to run a base.

“I went with him from civil engineering meetings to maintenance meetings, picking up all the little things I could about what it was like to really run an air base with an active fighter wing,” Harris said. “That gave me a lot of exposure, as you might imagine.”

Meanwhile, Harris was learning valuable lessons as a CAP cadet as well, discovering it wasn’t enough to simply become proficient at a particular skill. He had to learn how to instruct others

to do it as well, building leadership skills along the way.

“Those core tenets would be required of me for the rest of my career, from the earliest time when I was first commissioned as a lieutenant: Taking on responsibilities early, becoming the subject and technical expert running a squadron, running space surveillance radar, and now as a weapons officer, with the same credo I’ve been doing my whole life,” he said

Today, 31-year-old Harris is an Air Force captain, more specifically the weapons officer with the 21st Space Wing at Colorado’s Peterson Air Force Base. A December 2016 graduate of the U.S. Air Force Weapons School, Harris is in charge of leading the development of tactics, techniques and procedures for one of the Air Force’s largest and most diverse wings.

One of the main reasons Harris chose to go the rigorous route of Weapons School — comparable to getting a master’s degree in combat in just six months — was so he would be able to help integrate the Air Force’s


three major domains: air, space and cyber space.

He was able to use all of his skills during the recently held Red Flag training exercises at Nellis Air Force Base, Nevada. For three weeks, American forces and their allies waged an air and ground war.

Harris, as the mentor for participating space operators, worked to make sure that each of the three domains understood one another and functioned smoothly.

“Over the course of three weeks, my job was to build their knowledge basis, to teach them how to interact and integrate, and to lead them through a very uncomfortable process of having to deal with things (they) don’t know about,” Harris said. “So that’s really what it comes down to, is build, teach and lead.”

Harris, who lives with his wife, Lorelei, and dog, Edie, credits his upbringing as a CAP cadet for laying the foundation for his current heavy responsibilities. He’s a captain in CAP today.



“I was a very aviation-centered kid. That was my thing. It wasn’t dinosaurs for me. It was airplanes.” — Air Force Capt. Andrew Harris, also a captain in Civil Air Patrol



Air Force Staff Sgt. Matthew Paski, second from left, chats with other airmen who were his co-workers at Thule Air Base (above the Arctic Circle in Greenland). Paski returned from Thule in July after spending a year there.

Paski, right, receives a promotion as a cadet in Gen. Carl A. Spaatz Composite Squadron 812, based in Boyertown, Pennsylvania.



“From the very earliest times I was a CAP cadet, the expectations of me were to become the subject-matter expert of anything I was doing,” Harris said. “Once I was good at that, it was, ‘Can I learn to teach it?’ ... Then from there, it was building and believing.”

Matthew Paski

Growing up in Pennsylvania, 13-year-old Matt Paski had an inkling he'd like to pursue a career in the military.

But he wasn't sure which branch.

So his parents offered him a look at the whole buffet, taking him to a Civil Air Patrol meeting that allowed Paski to meet members from all the

armed services.

“In the particular squadron I joined (in Boyertown, Pennsylvania), we had a retired Marine that was the squadron commander, we had an Air Force guy who'd just graduated from the Air Force Academy, and we also had a Navy guy, so it was cool getting to see all the branches represented in my local area,” Paski said.

“That's what hooked me growing up. I started going to it (CAP) and I loved it. I just took to it like a duck to water.”

It wasn't just the opportunity to soak in lessons from the veterans that excited Paski, but also the CAP value

system and the structured hierarchy that appealed to him.

“The whole going up the chain and leadership portion of the cadet program, and learning all those leadership skills, was so important,” Paski said. “We learned how to be effective communicators in writing as well as speaking. And we learned values like putting integrity first and service before self, things that really impact young people. I gobbled it up — it got me hook, line and sinker.”

Now a first lieutenant in CAP, Paski is putting his early life lessons to good use as a 25-year-old staff sergeant and satellite systems operator in the Air

Force. He was recently assigned to Beale Air Force Base, California, where he will serve as an instructor at the base's radar site.

That should be a considerably warmer situation than Paski's previous assignment, as he returned in July after spending a year at Thule Air Base, which is above the Arctic Circle in Greenland.

"Thule is a unique place," Paski said. "You've got four months of (total) light, then two months where it will be somewhat normal light and day, then four months of darkness, (then two months somewhat normal light and day again).

"So it keeps things interesting. But we're on top of the world for good reason. We keep an eye on everything in the Northern Hemisphere with our

radar maps up there."

Paski said one of the most rewarding career experiences he's had so far began in 2015, not long after the general of Air Force Space Command had set forth a new vision for space-satellite work. The idea was for satellite operators to move beyond basic job responsibilities, to develop a mindset of space combat and what to do if an enemy were trying to deny access to a satellite.

A GPS instructor at the time, Paski was tasked with essentially bringing one of the major training facilities in Vandenberg Air Force Base, California, to Colorado Springs.

"They basically took the best operators they could find for the particular weapon systems that we run — the best of us in those positions —

and made us instructors," Paski said. It was like, 'Hey, we need you to sit down around the table and think of what could be a threat to my weapons system, and then come up with a program to train our operators to better understand and operate, and how to troubleshoot those kind of issues.'"

After Paski and others worked a bundle of 12- to 14-hour days, the new program successfully launched in April 2016 — an accomplishment that reminded Paski of his CAP roots.

"I think it's always been more rewarding to set someone else up for success, at least for me personally," Paski said. "I think that was really instilled in me in CAP with the whole leadership idea of the cadet program. I loved seeing it play out that way in my Air Force career." ▲



MISSION CRITICAL INTELLIGENCE

TASE Imaging Systems have more than 250,000 operational hours providing real-time intelligence to the warfighter and first responders.

Free White Paper Download: 4 Considerations when selecting an Airborne Surveillance System
www.cloudcaptech.com/whitepaper



UTC Aerospace Systems

From  to Military



A Sense of Belonging

**Cadet program propels
young immigrant
to meaningful U.S.
military career**

By Jennifer S. Kornegay

Lt. Col. R.C. “Archie” DeJesus knew as a young teen he wanted to serve his country as a member of its armed forces, and like many, his military aspirations were rooted in a sense of duty. Yet his patriotism was a little fresher than most; DeJesus immigrated to the United States from the Philippines when he was 9 years old. And when he became a CAP cadet in 1989 as a ninth-grader, his family was still applying for citizenship. He heard about CAP from a friend, and when he learned of its connection to the U.S. Air Force, he eagerly signed right up.

“At that age, the idea of wearing a uniform affiliated with the military made me feel like I belonged,” he said. “I felt like it was a way to prove to myself that I had earned my right to be here. I understand now those who shaped our cadets are the ones who truly serve, but for me back then CAP became an opportunity to be part of something greater that is entirely American.”

DeJesus soon realized that everything he was learning as a cadet would benefit

◀ Lt. Col. R.C. “Archie” DeJesus, early in his Air Force career in 2001, flies above Afghanistan during the initial stages of Operation Enduring Freedom. The reflection of the C-130 cockpit he is riding in is visible in the goggles attached to his helmet.

him in the military. And since his goal included being an officer, he entered Air Force ROTC, excelling ahead of his peers who were still learning how to wear their uniforms, drill and adapt to new customs and courtesies. He received his Air Force commission through ROTC after graduating from Xavier University in Cincinnati.

Today, he serves as director of staff for the 479th Student Squadron at Naval Air Station Pensacola, Florida, where he oversees all unit staffing functions and administrative actions vital to training over 350 combat systems officers each year. He is also a senior navigator with more than 2,100 hours in C-130H, C-130E, T-1A, T-43 and T-34C aircraft.

As a young captain in 2003, the U.S. Army awarded him with a Bronze Star for his efforts to resupply four divisions engaged in combat during the initial weeks of Operation Iraqi Freedom. At every step of his military career, he’s successfully leveraged the lessons learned and skills gained while he was a cadet. “The military has its own culture, far different from civilian life, and CAP gives its cadets an edge with that transition,” he said. “With the help of great mentors, CAP taught me to be aware of regulations and the need to know which one to reference if you are not sure. That translated very well to the military, where we hold ourselves accountable to the regulations.”

CAP also gave him far more than structure. According to DeJesus, it opened his eyes to a wider world, leaving him better able to understand and



At the 2016 Florida Wing Conference, DeJesus, right, accepts the wing’s Senior Squadron of the Year award from then-Wing Commander Col. Henry Irizarry as other CAP and Air Force dignitaries, including then-National Commander Maj. Gen. Joe Vazquez, seated left, look on. DeJesus accepted the award on behalf of the members of the Emerald Coast Senior Squadron of Pensacola, which he commands.

appreciate differences — a priceless skill when you’re deployed, as he has been, to far-flung spots around the world as well as here at home.

“I know how to learn from others who don’t always think like me,” he said. “And that awareness is important everywhere. Since I belong to a particular aviation community, it is easy to take for granted that the way our unit operates is the only way to do accomplish a task. But when you talk to aviators from other units and see how differently they do things in the pursuit of accomplishing their mission, you marvel rather than recoil at their diverse approach. That all started when I was a cadet on National

Capitol Wing’s Cadet Advisory Council, where I learned from other cadets across the wing how they planned their activities and conducted their meetings.”

Hard work and teamwork are additional qualities that his cadet days pressed into DeJesus. “Things aren’t going to be given to you; you only move up if you work for it,” he said. “And your success is not entirely about you. A large part of it is the others around you and your mentors who play a key role.”

The mentors and friends he found in CAP inspired him to reach for his dreams, offering encouragement that goes a long way for a teenage boy searching for his identity.

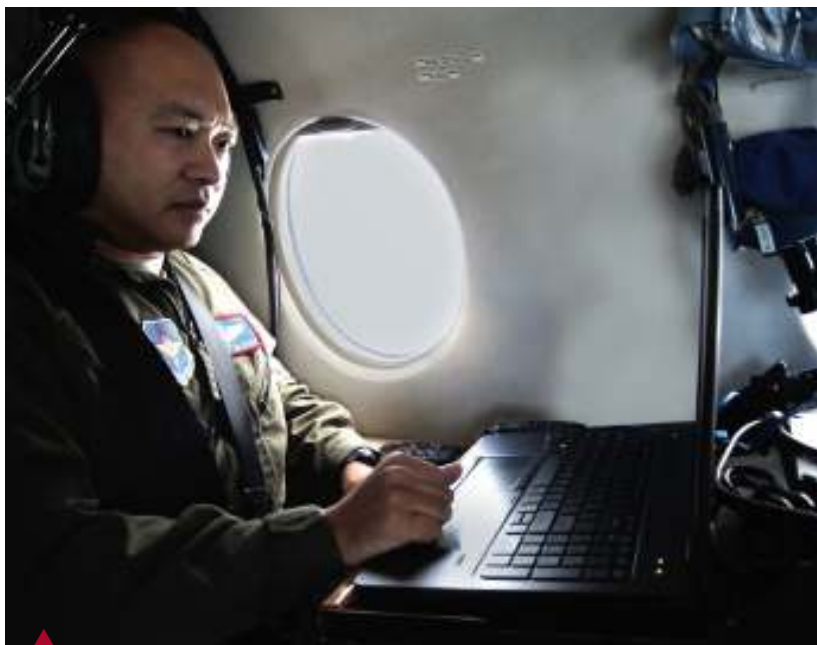
"I was so lucky to meet the senior members I did as a cadet," he said. "You have these insecurities, but they help you push past them, gain confidence and understand how you fit into the bigger picture. You can be that little cog in the big gearbox, but a key cog who keeps everything else running

Still, he never gave up his membership over the years.

"Being in CAP meant a lot to me, so I couldn't give it up completely. I kept paying my dues as a patron until about four years ago," he said. "That was when I decided to participate more."

And participate he did. He resumed

ognized with the Florida Wing's Senior Squadron of the Year honor for 2016. DeJesus doesn't take the credit, quickly shifting any praise to his airmen. "They have done and continue to do an exemplary job," he said. "They deserve all the recognition for their outstanding accomplishments."



DeJesus sits in "my other office" in Pensacola, Florida, where he teaches Air Force combat systems officers the basic skills that will enable them to become weapons systems officers, electronic warfare officers or navigators.

smoothly. That's reassuring."

That big-picture perspective has proven especially useful to DeJesus. "If you want to have a fulfilling career in the military, you have to take the baby steps to the big goal; you have to be as good as you can in the here and now."

While he often points out how CAP gave him a leg up in the beginning of his military career and how his cadet experiences have continued to come into play, once he entered active duty, the Air Force became his priority.

his CAP involvement in New Mexico with the Albuquerque Senior Squadron as its professional development officer. When the Air Force transferred him to Pensacola, Florida, he filled the same role at Emerald Coast Senior Squadron. In 2016, he took command of that squadron, overseeing its support of Air Force requirements to the tune of 500 hours flown with zero mishaps, to save the Air Force about \$1.9 million.

His team's good, hard work was rec-



DeJesus, right, stands at ease as a CAP cadet at the Ohio Wing Conference in 1996 alongside fellow cadet (and later, fellow Airman) Ryan Williams.

His humility extends into other facets of his CAP service as well, as Bobbie-Jean Tourville, CAP's National Headquarters chief of professional development, explained. She met DeJesus in 2004 while he was attending Squadron Officer School at Maxwell Air Force Base, Alabama. She gave the former cadet a tour of the base, and the two struck up a friendship.

Fast forward a decade later, when she and Col. Jean Desmarais asked him to speak at this year's National Staff College. "He asked why we wanted him, saying he wasn't sure if he rose to the level of the keynote speaker for CAP's premier leadership experience for adults. That's actually one of

"He's someone who is 'paying it forward.' He's also a great role model to the cadets, as he illustrates how CAP not only saves lives through things like emergency services, but also how it shapes lives, as it has shaped his life." – Bobbie-Jean Tourville, CAP National Headquarters chief of professional development



the reasons we wanted him to speak so badly," she said.

It was not the only one. Since the cadet program is celebrating its 75th anniversary this year, DeJesus was a natural choice thanks to his Air Force accomplishments and his deep appreciation for everything the cadet program has provided him. "And, he's someone who is 'paying it forward,'" Tourville said. "He's also a great role model to the cadets, as he illustrates how CAP not only saves lives through things like emergency services, but also how it shapes lives, as it has shaped his life." ▲

DeJesus, on the job as a drop zone control officer, communicates with an inbound C-130 about to drop paratroopers in the countryside in Germany in 2004. Later, DeJesus was awarded a Meritorious Service Medal for his service overseas.

"I know how to learn from others who don't always think like me."

– Lt. Col. R.C. "Archie" De Jesus



Ed Phelka: A Natural Leader

By Russell Slater

Brig. Gen. Ed Phelka, a resident of the Greater Detroit area, has experienced an inspiring journey during his Civil Air Patrol career. From being a cadet in the late 1980s, Phelka has advanced in the organization, shouldering greater and greater responsibility as commander of a wing and a region and now national vice commander. The lessons learned while a cadet have remained with him throughout his career, both in the private sector and public service, and he continues to give back to the organization and cadet program that helped shape him into the leader he is today.

Brig. Gen. Ed Phelka's roots in the aviation industry run deep. While working at Frontier Airlines in Denver in 2006, he initiated and for two years directed a new National Cadet Special Activity at Denver International Airport, designed for cadets interested in exploring potential careers in the airline industry. Here, Phelka, second from left, front row, poses with cadets and senior members participating in the NCSA.

Stood Out from His Peers

As CAP celebrates 75 years of its internationally renowned cadet program, the 44-year-old recently appointed national vice commander looks back fondly as his humble beginnings as a cadet in Michigan.

"I first joined CAP when I was 14, in April 1987," Phelka said. "I had my sights set on the United States Air Force Academy, and I thought CAP would be a great place to get my start. It certainly helped! I received an appointment to USAFA in late 1990. Though the Air Force Academy was ultimately not for me, Civil Air Patrol certainly was."

Former Michigan Wing Commander (1995-1999) and Great Lakes Region Commander (1999-2003) Col. William S. Charles II, whom Phelka describes as "a mentor and significant role model," said, "I first met Ed in 1988 when he attended his first basic encampment and I was the encampment commander. I really took notice of Ed when I watched him progress as a cadet leader, becoming a Spaatz cadet. He had very well-developed and strong leadership qualities that made him stand out from his peers."

As a Michigan cadet, Phelka earned the Gen. Billy Mitchell Award in 1988 and went on to receive the Amelia Earhart Award in 1989 as well as the Gen. Carl A. Spaatz Award in 1993. In the summer of that year, Phelka participated in the International Air Cadet Exchange to Germany.

Once a senior member, Phelka



Phelka became Civil Air Patrol's national vice commander and was promoted to brigadier general on Sept. 2, assuming the top post in a change of command ceremony held on the final night of the 2017 National Conference in San Antonio. He ascended to the post after serving 2½ years as commander of CAP's Great Lakes Region, which includes his home state of Michigan as well as Illinois, Indiana, Kentucky, Ohio and Wisconsin.

graduated from the National Staff College and Wing Commander Course and also served as a seminar adviser at the staff college as well as the National Cadet Officer School, both at Maxwell Air Force Base, Alabama.

"CAP's Cadet Programs laid a foundation in me for a future of service," Phelka said. "I have built upon the leadership principles and core values taught in the cadet program, and put them to use in the business world, as well as in Civil Air Patrol leadership."

Creating Opportunities

After Phelka graduated from college and embarked on a career in the airline industry, "I was also switching gears in my Civil Air Patrol service to a platform of giving back to the program that taught me so much," he said. "Even while in 'giveback mode,' I was still learning a great deal through the unique opportunities that Civil Air Patrol provided for me. Looking back, I can say with certainty that the CAP cadet program laid the foundation for me to be successful in the

aviation industry."

In 1995, Phelka got a job with Northwest Airlines and began working his way up to management, eventually serving as manager of the Hub Control Center for Detroit Metropolitan Airport.

Despite his busy schedule, then-Capt. Phelka found time to serve in CAP as a senior officer. In 1996, Charles appointed Phelka to command the Livonia Thunderbolt Cadet Squadron, one of the Michigan Wing's top units. "Also that year, I assigned him as an escort for cadets for legislative visits," said Charles. "Michigan was the first wing to bring cadets to Legislative Day. I did this because of Ed's vast knowledge of the cadet program and his leadership abilities."

Phelka, who earned his private pilot's certificate in 1998, later spent two years in command of the Southeast Michigan Group.

"As a senior leader in CAP, it is my job to create opportunities for others to succeed, recalling that we are an organization made up of people,

"I saw the potential in Ed (Phelka) to be a critical leader in CAP back when he was a cadet. He has proven that faith 100 times over. He has a deep knowledge of all three of our mandated missions, and an understanding how they all should fit and work together."
— Col. William S. Charles II, former Great Lakes Region commander and mentor to now-Brig Gen. Ed Phelka



Then-Cadet Airman Phelka is pictured shortly after a promotion in May 1987.

coming together to do important work," Phelka said.

Just prior to Charles' departure as Michigan Wing commander in 1999, he brought then-Maj. Phelka on as the wing's director of cadet programs, a position he would also hold later on in Colorado.

Phelka joined Frontier Airlines in 2004, eventually becoming the airline's senior manager for operations at Denver International Airport. In 2006 he successfully initiated and for two years directed a new National Cadet Special Activity at Denver International, designed for cadets interested in exploring potential careers in the airline industry. He also earned the Gill Robb Wilson Award in 2007 upon completing Level V of the Senior Member Professional Development program.

Phelka went on to become the Colorado Wing commander from 2007 to 2011 and during his command was able to increase cadet membership by 77 percent. Under his leadership, the wing flew over 10,000 hours and was responsible for 90 finds and 24 lives saved.

After stepping down from command of the Colorado Wing, the accom-

plished pilot returned to Michigan as a commercial pilot and flight instructor.

"With my business experience, I have instructed several executives who are learning to fly. The commercial flying I am doing now is for small business owners and their families," he said. "I also volunteer as a pilot for Wings of Mercy East Michigan, flying need-based missions transporting patients to medical appointments."

And, of course, Phelka has continued his service to CAP.

He replaced Charles as national controller in August of 2011. As the principal adviser to the national commander and Senior Advisory Group on logistics and financial accountability, he acted as the chief asset manager of CAP's \$100 million in assets, such as aircraft and vehicles.

"In 2015 Ed became Great Lakes Region commander, a position I held 12 years prior," said Charles.

In August of this year, newly selected CAP National Commander Maj. Gen. Mark Smith chose Phelka as his national vice commander, citing his commitment and devotion to the betterment of the organization over his 30 years of service. Both Smith and Phelka assumed their

current positions during a change of command ceremony on Sept. 2 at CAP's National Conference in San Antonio.

"All through his career I have done my best to mentor and advise him," said Charles. "I saw the potential in Ed to be a critical leader in CAP back when he was a cadet. He has proven that faith 100 times over. He has a deep knowledge of all three of our mandated missions, and an understanding how they all should fit and work together."

Perpetual Improvement

Phelka's current work helping to command the 58,000 volunteers of CAP involves long hours and a never-ending dedication to perpetual improvement of all cadets and senior members. Encampments, leadership schools and other leadership development training help ensure that today's cadets will be tomorrow's leaders in CAP and beyond.

"I truly believe that Brig. Gen. Phelka is one of CAP's greatest leaders," said Charles. "It is fitting that he be highlighted as part of the 75th anniversary of our great cadet program." ▲

YOUR FUTURE STARTS HERE

Bachelor's Degree Programs:

- Unmanned Aircraft Systems
- Professional Pilot
- Airport Management
- Aviation Maintenance Management

KANSAS STATE
POLYTECHNIC

Learn more
flyk-state.com

"The Name to Remember for Aircraft Engine Parts and Service"

GIBSON - AVIATION
Gibson LLC



Established 1970

\$345.00 Overhaul of Your Cylinders

Let Gibson Aviation return to Service your Cylinders in Overhauled, Yellow Tagged Condition. Cylinders must be crack free and the bore must be in manufacturer's specifications for return to service. The price is inclusive of all parts stationary in the cylinder. (Valve Guides, Seats, Studs, Bushings, etc.) Any moving parts, (Valves, Pistons, Rings, etc) constitute an additional charge which varies from each different make & model. Allow 2 working days.

1-800-992-4880 • 405-262-4880 • fax 405-262-2959

gibsonaviation@msn.com

P.O. Box 880 / 1821 W. Elm, El Reno, OK 73035

Same Day Shipment for Exchange Cylinder Stud Assemblies \$445.00

Also, we can provide complete Cylinder Assemblies!!

CALL for Prices for Your Engine

The Indianapolis
Airport Authority
is proud to support
Civil Air Patrol



Indianapolis Airport Authority

ONE OF A *KIND*

EARN YOUR WINGS

AT AVIATION CHALLENGE CAMP



AVIATION CHALLENGE CAMP

Located in Huntsville, Ala., Aviation Challenge Camp is a weeklong program that includes authentic fighter pilot simulations and interactive training in aeronautics – fixed wing, rotorcraft and unmanned aerial.

New for 2017:

**Drones and
Unmanned
Aerial!**

Visit spacecamp.com or call 1-800-637-7223 to register.



spacecamp.com/aviation



On His Own

Michigan Wing's Mayo Applies CAP Lessons to Entrepreneurial Endeavors

By Dan Bailey

Col. Gary Mayo's record of success extends from corporate offices to Civil Air Patrol's wing command structure.



Mayo has served as inspector general for the Michigan Wing since September 2014.

Lessons in leadership from Civil Air Patrol began early for Gary Mayo, even though his CAP cadet career started relatively late. Nearly four decades later — after a long stretch of success at both the corporate level and on his own — he's the inspector general for the Michigan Wing, serving under his own former chief of staff.

A love of airplanes and aviation drew Mayo to CAP while he was attending Aviation High School in Long Island City, New York. He was 16 when he joined the New York Wing's Forest Hills Composite Squadron, which meant "I joined the program late," he acknowledged. "I was a basic cadet at 16 with cadets who were 13."

For that matter, his cadet experience ended somewhat early, too, at the rank of cadet technical sergeant. "When I turned 18 I was preparing for college, and I realized I

wasn't going to have enough time to put into the cadet program," Mayo recalled. "So I became a senior member in order to continue in CAP."

Maj. Robert Bartlett Jr., commander of the New York Wing's Queens Group, convinced him to accept a position at the group level, so he served as personnel officer for awhile. Shortly after that, at age 19, Mayo became squadron commander — "really the first significant leadership position I had in the organization," he said.

He maintained his squadron command through his college days. After completing one year at State University of New York at Farmingdale, he transferred to Long Island University, C.W. Post Center, and changed majors from aerospace technology/aviation management studies to marketing.

During that time he was offered an opportunity to attend the U.S. Air Force Academy

in Colorado Springs, but he opted instead to continue his education at Long Island, having already completed his first three semesters.

Deciding otherwise would have meant committing to a different professional path. Instead of an Air Force commission, Mayo's completion of college led immediately to a position as an industry sales representative in Houston for Exxon Corp. in 1975. Nine months later came a transfer to Linden, New Jersey, near a major Exxon refinery.

Rising Corporate Leader

His sales rep career came to an end at the end of 1976, when he went to work for Ford Motor Co. in Boston. He held numerous positions of increasing responsibility at the district, regional and corporate levels in strategic business planning, business unit operations, marketing, sales operations and customer service. Tapped as a rising leader at Ford, he was selected to participate in the company's Capstone III accelerated vice president executive development program.

The vice president's position never quite happened. Mayo moved instead to Visteon Corp., which started out as a division of Ford, supplying manufactured parts, and then became a subsidiary, finally spinning off as a separate company.

He stayed with Visteon for nine years, with his last few positions involving responsibility for government affairs, community affairs, corporate responsibility and corporate philanthropy. Mayo summed up a major facet of his job, environmental affairs, in one simple phrase: "figuring out ways to make the company green."

In November 2006, having

completed a combined 30 years with Ford and Visteon, he took early retirement. "And then three hours after that, allowing for the time difference, I walked into my new office with MGM Mirage." He spent the next two years in Las Vegas, serving as MGM Resorts International's vice president for corporate sustainability strategies. Essentially, he said, "I was taking what I had done the prior nine years and transferring it to a new company and a new industry."



Mayo is photographed during his tenure as commander of the New York Wing's Forest Hills Composite Squadron.

Corporate Career Success

Another career shift came in November 2008, when he set up his own business, Sustainability Excellence Associates. Through December 2015 he served as a consultant in the same fields he had specialized in for Ford, Visteon and MGM Resorts — strategic planning for sustainability, environmental policy development, climate

change initiatives, stakeholder engagement strategies and sustainability-oriented employee engagement initiatives.

Now he heads two companies, serving as co-founder, director and chief operating officer of Education Resource Strategies Inc. and managing principal of Diversified eCom International LLC. The first provides web-based marketing for U.S. educational institutions to generate qualified leads and increase student



Mayo and his Forest Hills Composite Squadron staff receive a Unit Citation Award during a Queens Group awards ceremony.

enrollment, with specialization in nursing and affiliated health degree and business degree programs. The second owns and operates several online retail shops in a variety of niche markets, focusing on high-quality brands not generally found in large brick-and-mortar or online outlets.

Except for about 2½ years in the early 1980s, when his job-related moves became too frequent to allow him to feasibly keep joining and leaving local squadrons, Mayo maintained his CAP membership. He filled staff and command duty positions in a variety of wings — New York, Massachusetts, Tennessee, Nevada,



Mayo, seen here standing beside a CAP Cessna 182, is certified as a CAP transport pilot.

Arizona and Michigan.

"I've had what I feel is a very successful career in corporate America. I've traveled the world and had some influence in how things are done in different countries," he said.

With CAP, though, "there's something about the personal satisfaction I get being part of the program and being able to contribute to and give back to it. It's my way of paying CAP back for what I got in my early days that contributed to my success in business and my life outside the corporate structure."

That's a major reason he agreed to serve as Michigan Wing commander from 2003-2006 and, some eight years later, as the wing's inspector general — a position he still holds.

Retired CAP Lt. Col. Ron Padavan served as Mayo's chief of staff for his first two years as wing commander

and then as his vice commander for the remaining two years.

"I was just ecstatic to be on his staff. I don't know how to put it any other way," Padavan said.

"He was thoughtful in making his decisions, but he was basically easy-going. He was a dream to work for.

"He walked a real fine line" as commander, Padavan said. "We had some staff members who had their own ideas about things. He was diplomatic in how he got his way."

While running a tight ship, Mayo still "let the squadron commanders take care of business at their level," Padavan said.

"He kept abreast of what was going on, but he never tried to tell us how to do things," he said.

The Michigan Wing's commander, Col. Curtis Boehmer, succeeded Padavan as Mayo's chief of staff. He

agreed with his predecessor's evaluation. "Gary let people know where they needed to be, what direction he wanted them to go in, and then he let them do their job. He didn't tell them how to do their job; it was never a micromanager approach," Boehmer said.

He attributed Mayo's leadership style and his commitment to a streamlined approach to his executive management experience. "He was innovative and introduced a number of technological advances for us to use," Boehmer said. "We did our first internet phone-in staff meetings under Gary."

"We grew and, I think, flourished while he was wing commander," he said. "He left the wing in great shape for future commanders."

When Boehmer, newly sworn in as wing commander, asked Mayo to be

his inspector general, he accepted the job despite having no background in that field.

"In a matter of four months he had gone through every IG course that CAP has, and currently holds a Master rating. Over the next five months, he took a serious backlog of subordinate unit inspections and cleared them up. He has put a great program together."

Nor has Mayo's commitment to innovation flagged. "Michigan is a large state, and often interviews have to be conducted over a distance," Boehmer said. "He interviews online, recording audio and video, so that the wing commander and others have full access."

"We try to use technology a lot here in the wing," Mayo agreed. "If there's a better mousetrap, we look at ways we can improve."

"There's something about the personal satisfaction I get being part of the program and being able to contribute to and give back to it. It's my way of paying CAP back for what I got in my early days that contributed to my success in business and my life outside the corporate structure." – Col. Gary Mayo, Michigan Wing

While his duties as inspector general have limited his ability to work with the Michigan Wing's cadets, historically CAP's younger members have been a focus of Mayo's. He holds a Master rating in the cadet program.

"Being a member and being effective in the organization isn't just going

to weekly meetings," Mayo said.

"One of the reasons why I've stayed with the Civil Air Patrol program is when I look back at what I got as a cadet in terms of leadership training and moral standards ... I want to give to the program and give back to the cadets," he said. ▲



JROTC LEADERSHIP & ACADEMIC BOWL

The competition, which has been part of the JROTC program for 10 years, is now open to Civil Air Patrol units!

OCT 1-25, 2017 Practice Test
OCT 26 - NOV 20, 2017 Team Registration
NOV 1-20, 2017 Level I
FEB 1-15, 2018 Level II

Championship | Washington, DC
JUN 22-26, 2018

Help your cadets prepare for the college entrance tests and future leadership roles by participating in the JROTC Leadership & Academic Bowl (JLAB).

**TO REGISTER AND COMPETE:
COFCONTESTS.COM**

Living the Dream

Former Cadet Fulfills Career Aspirations

By Alex Jacks



Col. Sean Crandall, commander of the Texas Wing, found his connection to Civil Air Patrol as a 12-year-old cadet in Indiana. Today, the Brownsville, Texas, resident commands one of CAP's largest wings — with a membership of 3,200.

Few people's childhood dreams for their life actually become reality in adulthood. For Civil Air Patrol's Texas Wing commander, however, that is exactly what happened.

Col. Sean Crandall of Brownsville, Texas, may have never dreamed of becoming the Texas Wing commander. But even at 12 years old he knew he wanted to be a member of CAP.

"One of my friends came to school in his Civil Air Patrol uniform, and I asked him about it," Crandall said. "He invited me to come to a Civil Air Patrol meeting. The next month I turned 12, and I ended up joining a few days later."

Crandall belonged to the Indiana Wing during his cadet years. He took it upon himself to participate in everything CAP had to offer in order to be prepared to join the U.S. Army.

"I enjoyed the program immensely as a cadet," he said. "I did encampments and staffing encampments. I moved up the ranks as an officer."

During his junior year of high school, Crandall joined the U.S. Army Reserve and planned to pursue his career in the Army following graduation.

"A week before my high school graduation, I was struck by a drunk driver," Crandall said. "I underwent multiple surgeries, including ones to my knee and kidneys. I ended up getting an entry-level

discharge out of the Army due to the accident. At the time, life happened and I let my Civil Air Patrol membership lapse for a decade."

Following his recovery, Crandall moved to Texas and in 1994 began his career in law enforcement as a police officer. In 2004 he completed his degree in criminal justice from Saint Joseph's College in Maine. Prior to graduation, Crandall was offered a position on a South Texas intelligence task force called High Intensity Drug Trafficking Area, or HIDTA.

"The task force's mandate was to support other local and state federal agencies in drug-related case work," he said. "When I was working for the intelligence task force, we ended up doing organized crime investigations. At the time, there was a lot going on geographically being at the border of Mexico in South Texas, so we were needed."

Their investigations were often performed for the FBI and Bureau of Alcohol, Tobacco, Firearms and Explosives and involved intelligence related to international drug cartels or MS 13 (Mexican gangs). The case files he helped generate often empowered the investigating



CAP's aerial photographic coverage of the major rivers, the coastline and lagoons, the Corpus Christi landfall area and the Beaumont and Port Arthur area after Hurricane Harvey is reflected in this visual. More than 375,000 photos of these impacted areas were provided to FEMA and the state of Texas.

agencies to make arrests and seize assets.

“That was always a good feeling,” he said.

These days, Crandall's career is still intense, but in a very different way.

As director of operations for DeLaine Skin Care, he relies upon the organizational and leadership skills he learned as a cadet, and that postured him to succeed in law enforcement intelligence, to run sales, marketing and production and much more.

“I am responsible for running online website sales, manufacturing our products, forecasting and scheduling product line sales, launching new products and planning trade show events,” he said.

“Having been a cadet has hugely benefited me in every job I've had,” said Crandall.

That includes his other job — as a volunteer in Civil Air Patrol.

After rejoining as a senior member in 2000, he quickly moved up the ladder in CAP and was promoted to Texas Wing commander in August 2015.

“As the Texas Wing commander, I'm responsible for everything that takes place in Texas for Civil Air Patrol,” Crandall said. “We have 77 units in Texas and roughly 3,200 members. Texas is divided into seven geographic groups. Our membership is pretty much divided 50-50 with cadets and senior members.”

His command also involves response to natural disasters, and in Texas that often means flooding. Recently, over 600 CAP personnel from 33 wings partnered with members of the Texas Wing to provide Hurricane Harvey damage assessment photos to emergency management personnel in Texas and Louisiana. Aircrews flew more than 70 aircraft over 1,700 hours on some 723 sorties over Houston and the surrounding impacted areas, ultimately generating over 375,000 damage assessment photos to help focus recovery efforts.

“I am proud of the members of the Texas Wing, many of whom were impacted by the storm but still

stepped up to perform these missions in service to their communities,” said Crandall. “The outpouring of support from across CAP, which is common practice for a mission of this magnitude, worked as it was supposed to. Our members train for these type missions year-round, and we were prepared.

“Texas is no stranger to flooding,” added Crandall. In March 2016, extreme rainfall set the Texas Wing in motion to document endangered infrastructure and threatened residential areas. The 2016 missions marked the wing's third major weather-related disaster response mission lasting a week or longer in 11 months.

Col. Brooks Cima, a former Texas Wing commander, met Crandall in the early 2000s and knew that he was the type of person she wanted on her team.

“As I became wing commander, I pulled Sean along with me — as a group commander,” Cima said. “He continued to be a driving force in the Texas Wing, supporting all missions with equal fervor. He was one of a

Crandall gives volunteers a helicopter landing briefing at the Lonestar Emergency Services Academy (LESA) South in 2008. LESA is a Civil Air Patrol nationally accredited emergency services academy for both cadets and senior members.



Crandall, left, and other members of the Texas Wing gather to break ground on the wing's new training center in Nacogdoches in 2012.

handful of people I knew I could always count on to 'commit and carry through.' I saw the potential in Sean to become wing

commander and made him a part of my succession planning. Sean never disappointed."

Crandall says he's had many memorable leadership moments as a CAP member. One story stands out above the rest:

"Rudy was 13 — a first-generation Mexican-American who lived on the

border. His parents wondered why he was dressing up in a uniform and going to (CAP) meetings every Tuesday. But he stayed with the program, became an officer and soloed on his 18th birthday.

"Rudy went on to join the Navy and was placed in charge of the Blue Angels life support system. This past year he was commissioned as a naval officer.

"That's what it's all about and why I continue to do it," said Crandall of his volunteer service in CAP.

"We have a responsibility as senior members to continue to build the cadet program ... to change the lives of our cadet members and in the process sustain CAP's future." ▲

SKYPARK

WADSWORTH • OHIO

Learn to Fly! Flight Instruction
Basic & Advanced

330-334-9921

www.flyskypark.com

3071 Greenwich Rd.
Wadsworth, OH 44281



Sandpiper Air, Inc.

Full Service FBO - New Bedford Regional Airport
Multi Comm: 122.85

Phone: 508-991-7660

Fax: 508-999-7557
operations@sandpiperair.com

www.sandpiperair.com


1513-1529 Airport Road, New Bedford, MA 02746

From  to Meteorologists

Weather Experts

**Former cadets serve as
U.S. Air Force meteorologists**

By Sheila Pursglove



Capt. Taylor Olson tests equipment as a weather flight commander with the U.S. Air Force. He currently serves at Kadena Air Base in Okinawa, Japan.

Capt. Taylor Olson and Tech. Sgt. Justin Thomas are two former Civil Air Patrol cadets and now senior officers who each work in weather-related jobs with the U.S. Air Force, providing accurate and timely weather forecasts to commanders and flight crews so they can safely and effectively complete their missions.



Tech. Sgt. Justin Thomas is photographed in front of the Tethered Aerostat Radar System at Fort Huachuca, a U.S. Army installation in southeast Arizona.

A native of Oklahoma, Thomas is all too familiar with the wrath of Mother Nature in the Sooner State. "Weather is something you grow up with, being in Tornado Alley," he said.

Introduced to CAP as a high school freshman when a friend in Air Force Junior ROTC invited him to a meeting, Thomas was particularly interested in CAP's emergency services mission.

He most vividly remembers May 3, 1999, when a record outbreak of 72 tornadoes slammed Oklahoma late in the evening. Thomas was on one of the first ground teams into Mulhall after an F-4 tornado hit. This wide-wedge tornado, tracking a 35-mile path and at times exceeding 1 mile in width, severely damaged or destroyed approximately 60 to 70 percent of the town's 130 homes and destroyed an elementary school and a water tower.

"We rendered first aid and started to do damage reports," Thomas said. "I was asked by my leadership to fly to the state capital emergency operations center, where I was asked to use Civil Air Patrol radios and airborne repeaters to assist the local law enforcement to communicate with other agencies because the damage was so widespread. I received a letter from the governor of Oklahoma so I could miss school for the week."

Now a weather forecaster in the Air Force, Thomas also is a member of CAP's Tucson Composite Squadron 105 in Arizona, where he serves as aerospace education officer, deputy

commander for cadets, emergency services training officer, historian, finance officer, squadron noncommissioned officer and testing officer.

He enjoys mentoring cadets and sharing his experience with them. "I learned a lot from my senior members when I was a cadet, and now I can give

program at age 12, the Colorado native remained a cadet until becoming a senior member at age 21. He was a part of the Colorado Wing's Douglas Composite Squadron, beginning in 1999. Three years later he joined the wing's Dakota Ridge Composite Squadron. "I was impressed by the



In addition to serving in the Air Force Junior ROTC program, Thomas was a cadet in the Oklahoma Wing in 1999. Now he is a weather forecaster in the Air Force.

Olson joined the Civil Air Patrol's cadet program at age 12 and remained a cadet until becoming a senior member at 21.

back some of my experiences and hopefully inspire them the way I was inspired as a cadet," he said. "CAP develops leaders, and more importantly, we groom cadets to be better citizens, no matter what they choose to do with their lives."

Thomas appreciates the cadet program for giving him the ability to learn and develop leadership skills at a young age. "It's been invaluable in my life so far, and gave me the base I need to be a better NCO (noncommissioned officer) in the U.S. Air Force," he said.

Like Thomas, Olson was introduced to CAP by a friend. Joining the cadet

professionalism of the cadets, and wanted to be a part of their positive, team-centered environment," he said.

After a few weeks in the Douglas squadron, Olson signed up for his first "Type A" encampment, hosted at the United States Air Force Academy Preparatory School. "This encampment totally hooked me on the cadet program," he said. "The activity director pulled out all the stops. We flew on Black Hawk helicopters, flew flight simulators, worked through obstacle courses and competed against other flights."

He later participated in many other "Type A" encampments, in a Regional

"The opportunities cadets can experience today are mind-boggling. Any young American out there who is serious about aviation should join their local Civil Air Patrol squadron, get involved, and start leading." – Capt. Taylor Olson of the Kadena Cadet Squadron in Okinawa, Japan

As a member of the Arizona Wing's Tucson Composite Squadron 105, Thomas teaches as part of his duties as the unit's deputy commander of cadets.



Olson, right, is pictured at his U.S. Air Force Academy graduation with his brother Jacob, now a high school senior and a Civil Air Patrol cadet major.

Cadet Leadership School, International Air Cadet Exchange and several national-level flight activities. "All were significant positive experiences I'm grateful to have been a part of," he said.

In July 2005 Olson became the 1,575th cadet to earn the Gen. Carl A. Spaatz Award — CAP's highest cadet achievement. "Completing the Spaatz award requires a team effort from the wing down to the squadron. I owe a lot to a 'village' of mentors," he said. "I received the award with another cadet. We had worked through the program

in tandem, and our squadron's senior officers played a large role in creating an environment that enabled us to cross the finish line."

Olson credits CAP's cadet program with sparking his passion to become an Air Force officer. "The skills and discipline instilled in me were vital to me completing the Air Force Academy's rigorous academic and leadership program," he said.

He took advantage of a program for senior ranking cadets to compete and receive scholarships to the Air Force Academy Preparatory School. "I highly recommend this scholarship program to any Eaker and Spaatz cadets who may need a little extra time to build the sharp academic edge needed to succeed at USAFA," he said.

He became interested in the Air Force's weather program when he began his freshman year at the Air Force Academy as a meteorology major.

After graduation, he completed assignments as a weather officer, then as element officer in charge at the 17th Operational Weather Squadron at Hickam Air Force Base, Hawaii, and

as the deputy weather chief at the Combined Air Operations Center at Al Udeid Air Base, Qatar. Recently stationed at Columbus Air Force Base, Mississippi, he serves as the weather flight commander for the 353rd Special Operations Group on Kadena Air Base in Okinawa, Japan.

"As a weather officer, I lead the most intelligent, highly skilled airmen the Air Force has to offer," he said. "Our forecasters complete some of the longest technical schools available and spend years of on-the-job training in order to be qualified to forecast for the extremely complex mission sets the Air Force completes. I'm challenged every day leading our forecasters and satisfying the demands of our operators and planners."

Olson is currently a member of Kadena Cadet Squadron, one of CAP's overseas squadrons, and he recently completed National Headquarters' Corporate Learning Course online distance leadership program. "It turned out to be a lot of value added to my active-duty role as a flight commander," he said. "I was able to use my fellow classmates as sounding boards for issues I was facing with my airmen."

Olson would wholeheartedly recommend CAP's cadet program to young teens and pre-teens. "The program was a huge part of shaping me through my teenage years, and I'm still close friends with several cadets I went through the program with," he said. "I owe a debt to the senior officers who invested a ridiculous amount of time in me and my fellow cadets."

"The opportunities cadets can experience today are mind-boggling. Any young American out there who is serious about aviation should join their local Civil Air Patrol squadron, get involved and start leading." ▲

Fly On In



to Lumberton Regional Airport

- Overnight Hangar Space Available
- Volume Discounts
- Restaurant & Hotel Discounts - Call for info!
- Rental Car - Call for info!
- 24/7 Crew Car
- 24/7 Avgas Self-Service
- Airboss Fuel
- GPU & Mechanic on the Field
- Aerobatics Practice Area on the Field
- 8:00 am - 5:00 pm weekdays
- 10:00 am - 5:00 pm weekends

Lumberton, North Carolina
910-739-6480 • 910-608-1219
tgammon@cl.lumberton.nc.us

LBT
LUMBERTON REGIONAL AIRPORT

WINGPOINTS

FLY CID



THE EASTERN IOWA AIRPORT (CID) IS THE NO. 1 CHOICE for air transportation in Eastern Iowa and the border regions of Wisconsin and Illinois. CID offers the most non-stop destinations and has 126 based general aviation aircraft – the most in Iowa.

NEW SELF-FUELING FACILITY OPENING IN SUMMER 2017

THE EASTERN IOWA AIRPORT
FLYCID.COM


SCHWEISS

DOORS

HYDRAULIC —OR— BIFOLD

ONE-PIECE DOORS STRAP LIFT DOORS

507-426-8273



SCHWEISSDOORS.COM

*We Salute and Support
the Civil Air Patrol.*



Lee's Summit Municipal Airport

LS LEE'S SUMMIT
MISSOURI

2751 NE Douglas Street | Lee's Summit, MO 64064
P: 816.969.1800

Leading by Example

North Central Region commander shares how to lead through actions in both her professional and Civil Air Patrol careers

By Alex Jacks



Leadership is defined as the action of leading a group of people or an organization. In some instances, those who define themselves as leaders lack action. Civil Air Patrol's North Central Region commander is not one of those people.

Col. Regena Aye of Osage City, Kansas, leads the people in her professional and CAP careers through her actions, not her words. As the dean for online learning for Allen County Community College, Aye has many responsibilities.

"I am responsible for pretty much the day-to-day management of the online program," she said. "I report to the vice president of academic affairs. I handle everything from finding adjunct instructors to professional development to course development for our classes."

Aye studied at the community college as a student before starting her first job there as an administrative assistant.

"My career at Allen has kind of mirrored my Civil Air Patrol career," Aye said. "With CAP, I started as a cadet and moved up over the years to different positions. I've done the same thing at Allen. I started out as an administrative assistant and now I'm an administrator, so I've kind of moved through the whole system."

CAP gave Aye the leadership skills she needed to be successful in her college career.

"Civil Air Patrol taught me a lot about leadership over the years," she said. "I've been a student of leadership since my days as a cadet. It's an art that you can study pretty much your entire

lifetime and still find challenging. Every situation is different. CAP gave me practical leadership experience, so that gave me a lot of confidence in building a program and leading others, and that is what I do at the college. My CAP leadership experience helped me build a strong resume of experiences before I started at the college."

The leadership skills that Aye has acquired through Civil Air Patrol translate not only in her professional career but also in her role as North Central Region commander. Aye took over as region commander in May 2016, and leads the Kansas, Iowa, Minnesota, Missouri, Nebraska, North Dakota and South Dakota wings.

"There are eight region commanders, and we each manage multiple states or wings," Aye said. "I get to mentor those wing commanders. I also get to have an influence on policy in the direction of the organization through the Command Senior Advisory Council. I get to represent CAP in activities in the region, which is one of the best parts of the job, honestly. You get to hand out awards. You get to be at things like Congressional Gold Medal presentations, which are absolutely inspiring. You get to meet these amazing volunteers who give back to this organization."

Being region commander requires Aye to travel several weekends each



From CAP cadet to CAP commander: Aye officially became the North Central Region commander in May 2016 after commanding the Kansas Wing. Her climb up the leadership ladder in CAP has been impressive, considering she was a Kansas Wing cadet not too many years ago — in the early 1990s.

Photo by Susan Schneider, CAP
National Headquarters

Col. Regena Aye, seated left, and the PAO team make the rounds at National Blue Beret in Oshkosh, Wisconsin. Aye served as activity director for NBB in 2016, after serving on the staff many times.



Aye joined Civil Air Patrol in the early 1990s, when she was 17 years old.



Aye took command of the North Central Region in May 2016. Brig. Gen. Larry Myrick, left, then national vice commander, and Col. Robert Todd had the honor of handing down the flag.



Aye serves as the dean for online learning at Allen County Community College in Kansas.

month and spend many evenings at Civil Air Patrol functions. Due to her busy schedule with both jobs, Aye said balance is important.

"I like to say balance is important in all things," she said. "I have my job as the dean during the day, and sometimes that flows over into evenings and weekends. My region commander duties will usually be in the evening or the weekend. It means a lot of work. It just makes for a busy life. I think that's something that CAP does teach pretty well. You have to follow through and make a commitment, and you have to maintain that balance."

Brig. Gen. Rich Anderson, a former North Central Region commander who became national commander and later chairman of CAP's Board of Gov-

ernors, said Aye's leadership skills have impressed him since the 1980s, when he first met her during a visit to a Kansas Wing activity.

"As a former North Central Region commander myself, I know the region, the seven assigned wings and the great volunteers who perform Civil Air Patrol's assigned missions on a daily basis," Anderson said. "Col. Aye approaches her duties as North Central Region commander with a servant-leader's approach, which is an effective leadership and management style. She is consistently willing to lead by example and to inspire her members to greater achievements."

Aye joined CAP as a cadet at 17. She learned about the program through a high school classmate, and joined for the leadership opportunities.

"Over time I grew to love all of Civil Air Patrol's missions, but what drew me to CAP was leadership," she said. "I was motivated to continue to participate as an adult, because I had such a wonderful experience in the program. I think it benefited me so much that I want to make sure that other people have those same opportunities to experience the benefits that I've had."

Anderson said Aye's most standout accomplishment is her capacity to step forward and lead her members to elevated levels of achievement.

"I have long admired and respected her capacity for leadership and service," he said. "As a former commander, I have a vested interest in the North Central Region and rest easy knowing that she is in command." ▲

"(Col. Aye) is consistently willing to lead by example and to inspire her members to greater achievements." — Brig. Gen. Rich Anderson, on North Central Region Commander Col. Regena Aye



Irizarry, left, poses with other participants in a CAP search and rescue exercise held in Aguadilla, Puerto Rico. At the time, Irizarry was a member of the Mayagüez Cadet Squadron.



Col. Henry Irizarry, seen in this official Civil Air Patrol portrait, recently completed three years of service as commander of the Florida Wing.

From Cadet Programs to Corporate Executive

By Sheila Pursglove

As a boy in Puerto Rico, Henry Irizarry was intrigued with the military — and in middle school, when he saw Civil Air Patrol cadets in uniform at a school function, he immediately looked into it. “I went home and told my parents I wanted to join and was hooked to CAP from then on,” he said.

It was the start of a long and distinguished career with CAP, as a cadet and as a senior officer.

Serving as a cadet with the Puerto Rico Wing's Mayagüez Cadet Squadron from 1985 to 1991, Irizarry participated in countless encampments, emergency services exercises and events and achieved the rank of cadet lieutenant colonel.

Highlights of his many fond memories include participation in summer encampment at the former Roosevelt Roads Naval Air Station (since closed), flying in a C-130 from Puerto Rico to Tennessee to participate in the Southeast Region Search and Rescue Competition, and finally completing Level IV, known as the Gen. Ira C. Eaker Award. "I was very fortunate to have amazing mentors who facilitated my development in the cadet program," he said.

Irizarry capped his cadet career by participating in the International Air Cadet Exchange to Sweden in 1991, his first time overseas. "That alone was a unique experience," he said. "IACE gave me the opportunity to learn about other cultures and make lifelong friends from around the world. Thanks to social media, I still remain friends with many of the persons I participated with.

"My IACE participation as a cadet also sparked my interest for travel, cultures and foreign affairs, which has directly contributed to my success in my military and current career."

As a senior officer, in 2013 Irizarry had the opportunity to participate in IACE as an escort to Australia — an experience he found just as interesting as the Sweden trip. "Learning about the Australian Air Cadet program was the most enjoyable portion for me, as



Irizarry, who is vice president of international business development for Metal Shark Boats, meets with Rear Adm. Francis D. Morley, deputy assistant secretary of Navy International Programs.



Irizarry, back row in sunglasses, joins other U.S. and Swedish air cadets for a whitewater rafting trip during his International Air Cadet Exchange visit to Sweden in 1999.

I was able to capture and bring back with me some ideas we could use and incorporate in our own program," he said.

Irizarry noted that his CAP cadet experience undoubtedly directly contributed and helped shape him into the person he is today.

"It helped me immensely when I first joined the military, as I already had a foundation and understanding of what teamwork and leadership really is," he said. "It prepared me to deal with challenging situations that otherwise would have been much more difficult to work through."

A graduate of Excelsior College, and holding a Master of Arts degree from American Military University, Irizarry has also completed graduate executive leadership programs at Harvard University and Cornell University.

Irizarry served in the U.S. Marine Corps for five years and retired from the U.S. Coast Guard as a commissioned officer with over 20 years of active military service. After retirement he served in the federal civil service with the Department of the Army before joining the private sector, where he was recently promoted to vice president of international business development for Metal Shark Boats.

Irizarry is responsible for the organization and development of the company's international market position and achievement of financial growth and sales. He defines long-term organizational international strategic goals, builds key customer relationships, identifies business opportunities and negotiates multimillion-dollar business deals. He works closely with senior U.S. government officials and international customers, including ministers of defense and security, chiefs of services and foreign corporate decision-makers.

His military service has fully

prepared him for the corporate post. “My Marine Corps and Coast Guard career and assignments helped develop my international strategic focus and expertise with political, cultural, economic and geographic awareness,” he said.

Irizarry has also resumed his service with Civil Air Patrol, rejoining in 2004. “I always wanted to rejoin CAP as an adult and was in the military,” he said. “My first 10 years in the military were mostly overseas. So my assignments didn’t allow me the time to participate.

“When I was stationed to Florida in 2004, I drove by an airport and saw a CAP airplane, so I went to the next squadron meeting. When I arrived, and met the unit commander, we immediately recognized each other, as we had both coincidentally participated in IACE as cadets the same year. At that moment I rejoined CAP and never looked back.”

He became wing commander in March 2014 after serving in leadership positions with Florida Wing Group 7 and the Tamiami Composite Squadron.

Under his leadership, the wing achieved a “Highly Successful” rating in the compliance inspection and an “Outstanding” rating on its most recent biannual operational evaluation by the U.S. Air Force. In addition, a Florida Emergency Services Academy was established and a record-sized wing summer encampment was held in 2016.

One major mission came in response to Hurricane Matthew last year, when the wing generated more than 18,000 aerial damage assessment photos for federal and state emergency agencies.

“As the wing commander, I had the

opportunity to travel throughout the state and nation, which allowed me to meet our great volunteers and see the amazing things they do for our organization, communities and country,” said Irizarry, who completed three years as wing commander earlier this year.

Irizarry has served on CAP National Headquarters’ Homeland Security Staff and at the group and unit levels as a commander, deputy commander, professional development officer and aircraft maintenance officer. He has completed all five levels of the CAP senior member professional development program and is an active incident commander, mission pilot and CAP cadet/Air Force ROTC orientation pilot with over 750 hours of flight time. He holds Master ratings in command and professional development, two Senior ratings in cadet programs and flight operations and a Technician rating in safety.

Among his many contributions, he co-authored the CAP Officer Basic

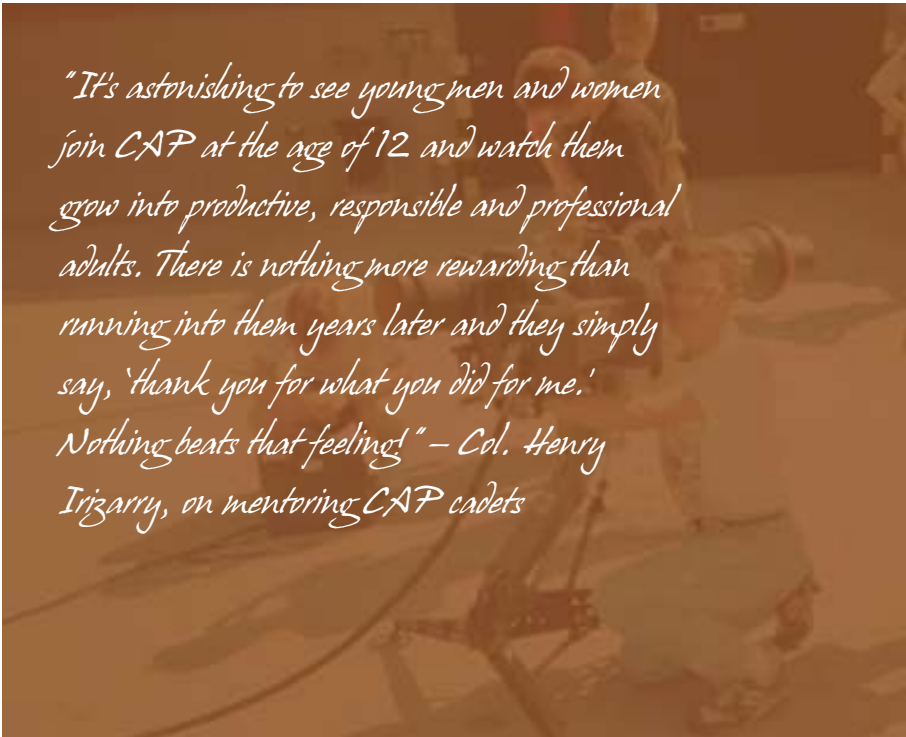
Course and has served as an instructor at National Cadet Officer School.

“The most enjoyable experience in CAP for me is being able to give back to the organization which helped shape me into the person I am today,” he said.

Irizarry, whose children are both in CAP — his daughter as an adult member and his son as a cadet officer — enjoys sharing his experiences with youngsters.

“The most enjoyable experience about mentoring cadets is enlightening them with all the opportunities that exist in our great country and how any goal is reachable with dedication and hard work,” he said.

“It’s astonishing to see young men and women join CAP at the age of 12 and watch them grow into productive, responsible and professional adults. There is nothing more rewarding than running into them years later and they simply say, ‘thank you for what you did for me.’ Nothing beats that feeling!” ▲



“It’s astonishing to see young men and women join CAP at the age of 12 and watch them grow into productive, responsible and professional adults. There is nothing more rewarding than running into them years later and they simply say, ‘thank you for what you did for me.’ Nothing beats that feeling!” – Col. Henry Irizarry, on mentoring CAP cadets

Delaware Commander's Aviation Roots Run Deep

By Jennifer S. Kornegay

It's no understatement to say that aviation is in Col. Mike Moyer's blood. Both his mother and stepfather were airline pilots, his father is a private pilot and his grandmother is one of CAP's Congressional Gold Medal recipients.

"If I was anything but a pilot, then I'd have to go to work," says Col. Mike Moyer, commenting on his love of flying and all things aviation.

“She met my grandfather while teaching him to fly on instruments for the U.S. Marine Corps,” he said. The pilot and commander of the Delaware Wing has kept the family tradition going as an instructor/examiner and program manager with FlightSafety International, a pilot and aviation crew training company based in New Castle, Delaware.

In his job there, he trains pilots on the Gulfstream V and 550 — large, long-range business jets — and examines their progress. He

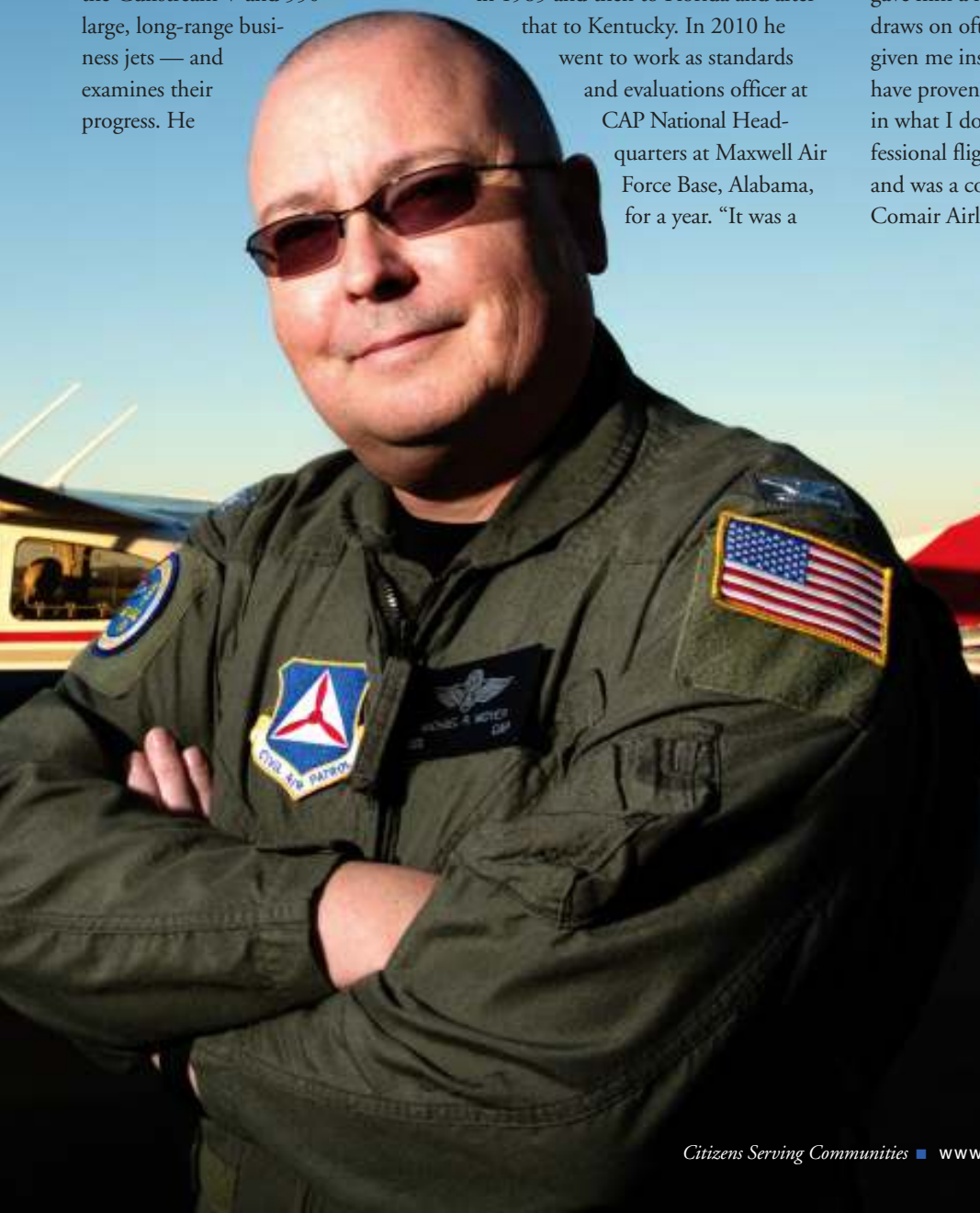
also manages all the training instructors for the Challenger 604, another business jet produced by Bombardier Aerospace.

He’s also been involved in CAP, serving in roles and locations all over the country, for the last 3½ decades, beginning when he joined the Crusader Composite Squadron as a cadet in 1984 in Dallas at age 17. He stayed involved when he moved to California in 1985 and then to Florida and after that to Kentucky. In 2010 he went to work as standards and evaluations officer at CAP National Headquarters at Maxwell Air Force Base, Alabama, for a year. “It was a

short time, but a great time,” he said.

In 2011 he moved to his current job in Delaware. Through all his moves, wherever he went he quickly connected with CAP. “This is the way I have chosen to serve my country, by volunteering through CAP,” he said. “It lets me give back to my community and lets me give back to the organization for what it gave me.”

And, according to Moyer, CAP gave him a lot, including things he draws on often in his career. “CAP has given me insight and structure that have proven so beneficial and helpful in what I do,” he said. He’s been a professional flight instructor since 1995 and was a commercial pilot for Comair Airlines from 2000 to 2010





Moyer, a full-time pilot, has been involved in Civil Air Patrol for more than 30 years.

Moyer is an instructor/examiner and program manager with FlightSafety International, a pilot and aviation crew training company that trains pilots on the Gulfstream V and 550 and examines their progress. He also trains instructors for the Challenger 604.



Moyer is commander of Civil Air Patrol's Delaware Wing. He has held the post since June 2014, and also serves as the wing's director of professional development and web security administrator.

while also serving as the standardization and evaluation officer for CAP's Kentucky Wing. Today, in addition to his duties at FlightSafety International, he's an FAA Safety Team representative, a volunteer position that promotes aviation safety. "I basically teach traffic school for pilots," he said. "If a pilot gets violated for some action, the FAA can opt to give them training with someone like me." He also conducts FAA safety seminars as continuing education for pilots.

In everything he does, attention to detail is paramount. "I am teaching people how to fly and how to fly others, and that old saying, 'Aviation is safe, but unforgiving to negligence,' is true." He credits the paramilitary environment of CAP with honing his organization and concentration skills. "It builds habit patterns so you are always alert," he said. "I have definitely applied that to flight instruction."

His career and his CAP involvement

continue to impress one of his mentors, Lt. Col. Michael Kathriner, CAP's chief of development. "I have been in CAP for 47 years, and I have mentored thousands of cadets, but some stand out as the best and the brightest. Michael Moyer was one of those diamonds in the rough when we first met," he said.

"Mike listened intently to lessons in the classroom. He could take complex ideas and rethink them to formulate his own leadership style. Outside of the classroom, Mike showed an emotional intelligence that few leaders of today can even comprehend. That is how an above-average student becomes a great leader," he said.

Kathriner also pointed to Moyer's passion for flying and how he's pursued it and used it to strengthen CAP. "At CAP National Headquarters as the chief of standardization/evaluation, his job was to provide instructional procedures applicable to flight instruction,

"This is the way I have chosen to serve my country, by volunteering through CAP. It lets me give back to my community and lets me give back to the organization for what it gave me."— Col. Mike Moyer, a lifelong pilot who joined CAP 30 years ago as a cadet and continues that service today in command of the Delaware Wing

safety procedures and aircraft equipment modifications applicable to CAP aircraft and aircrews and to also keep track of new/changes to FAA regulations that apply to CAP or local procedures that affect CAP aircrew training," he said.

And while aviation is almost always on Moyer's mind, he believes it's not the only career track or industry that

CAP experiences benefit. "The cadet program is great to mold youth into pilots, and that's needed, but it develops much more than the next generation of aviators," he said. "It's also great training for nonaviation career paths. It teaches so many things, and develops leadership capabilities that are valuable anywhere and in any aspect of life."

He stressed the other worthwhile values his cadet experiences have taught him. "It showed me how to finish things I start and how and why to give back. The cadet program truly gave me what I want to see today's cadet program give today's cadets," he said. "And the overall service component is really key, because it's important to society as a whole." ▲

Civil Air Patrol is celebrating 75 years of service and asking former cadets and senior members to join the CAP Alumni Group!

Over the past 75 years of the Cadet Program, CAP Alumni who have been leaders and mentors have enriched the lives of tens of thousands of grateful CAP cadets. Be a part of the legacy you created!

Join the CAP Alumni Group!

Visit: www.capalumni.org



From  to Construction Executive

John Knowles: Cadet to Construction Executive

By Russell Slater



When Col. John Knowles first joined CAP as a cadet back in 1972, little did he know that his involvement with the organization would blossom into a career that would lead to commanding the Middle East Region, composed of seven different wings. Throughout his 45 years of service, Knowles has climbed the ranks, taking on more responsibility as his experience grew. He has commanded a squadron, a group, a wing and as of 2014 an entire region. Looking back, Knowles credits his success in business and in Civil Air Patrol with a solid foundation of leadership that was laid during his days as a cadet in the Maryland Wing's Bethesda-Chevy Chase Cadet Squadron.

Leadership Lab

"Our commander, Capt. Bill Hicks, was an inspirational leader for those he touched during his time in CAP," Knowles recalls. "He built a legacy in establishing a squadron that, to this day, still focuses on allowing cadets to serve as leaders, and to treat the cadet experience as a leadership lab."

What has kept Knowles involved throughout the years? A core value of service, instilled in him at an early age by his father, a World War II and Korean War veteran.

"This has been a touchstone for me my whole life, and I found in CAP an amazing organization that allows me to serve my community, state, nation and my fellow man," Knowles said.

According to Knowles, providing a place for youth to learn about teamwork, integrity, service and respect is especially important in today's world of interaction with computers, social media and individually focused activities. The cadet program "is a world-class opportunity for cadets to



Clark Construction Group LLC, the company Col. John Knowles works for, is one of the largest private construction companies in the United States. Here, Knowles, left, and co-worker Glenn McAfee stand atop the scoreboard at the new stadium for the Washington Nationals, which was built by Clark. Knowles is in charge of the company's logistics and equipment, valued at \$70 million. In addition to construction of the stadium, Clark made modifications to prep it for Pope Benedict XVI's Mass at Nationals Park in 2008. Those preparations included covering up advertisements throughout the stadium, as evident in the photo below.



explore options and careers that they may want to pursue.”

Membership and active involvement with CAP is a family affair for Knowles, who met his wife of 35 years, Maj. Teri Hanna Knowles, when both were cadets together (she is still a member of CAP and serves as a health services officer, along with supporting her husband's service). Their children have continued the tradition, serving as cadets before moving on to successful careers.

“All of my family are CAP members. All of us started as cadets in the same squadron,” he said. “We each learned something different in our experiences, but we all benefited from our time as cadets.”

His daughter, Maj. Rachel Hanna Knowles, who currently serves as the Maryland Wing's deputy director of cadet programs and is very active as a ground team leader, used her cadet experience to help make her way through college and to earn her doctorate of physical therapy. Her older brother Michael served on the staff of CAP's National

Emergency Services Academy for two years as a cadet, while their younger brother Daniel took the skills he learned as a cadet with him to the oldest Merchant Marine Academy in the country. Both sons are current senior members.

“One thing every cadet learns is self-discipline,” Knowles said. “They understand the mission focus and the need to put others before themselves.”

Knowles's family also endows the Lt. Col. William E. Hanna Jr. Memorial CAP Cadet Flight Scholarship, which provides up to \$5,000 to help cadets attain a private pilot's certificate. The late Lt. Col. Hanna was Knowles' father-in-law, and the family chose this scholarship as a way to honor him and his commitment to CAP.

Climbing the Ladder

“John and I were members of the Maryland Wing and became good friends when we were group commanders between 2004 and 2006,” said Col. Jerry Weiss, the Middle



Knowles is commander of Civil Air Patrol's Middle East Region, which consists of CAP's Delaware, Maryland, North Carolina, South Carolina, Virginia, West Virginia and National Capital wings. Knowles has held the post since October 2014, guiding members through South Carolina's "1,000-Year Storm" in 2015 and West Virginia's "1,000-Year Flood" in 2016, as well as the multi-wing Hurricane Matthew disaster relief response, also in 2016. Photo by Susan Schneider, CAP National Headquarters

East Region's vice commander-East/operations. "I was selected to be the wing commander in 2006, and John served as my vice commander.

"We developed and implemented a program that set goals, measured progress, emphasized learning from lessons learned, and focused on helping any cadet or officer who wanted to participate and advance their personal goals and grow the organization. We continue this program at the region level today."

While in command of the Maryland Wing (2010-2014), Knowles saw 12 cadets under his command earn the Gen. Carl A. Spaatz Award, 24 cadets experience solo flying through the wing's Solo School Program, and nearly 1,000 cadets graduate from the Tri-Wing Encampment, held in conjunction with the Delaware and National Capital wings. His leadership proved invaluable during the wing's relief efforts following the damage caused by Superstorm

Sandy along the Atlantic Coast in 2012. During his time in charge, the wing found 52 missing people and saved eight lives.

Since he assumed command of CAP's Middle East Region (made up of the Delaware, Maryland, North Carolina, South Carolina, Virginia, West Virginia and National Capital wings), Knowles has shepherded the region through various large-scale events, such as South Carolina's "1,000-Year Storm" in 2015, West Virginia's "1,000-Year Flood" in 2016, and multistate Hurricane Matthew relief efforts in 2016. In every instance he showed leadership and helped coordinate efforts of the different wings, putting the region's motto, "No Borders, No Boundaries," into practice.

In addition to his current job commanding the 7,250-plus members of Middle East Region, Knowles is also vice president of Clark Construction Group LLC, one of the largest

private construction companies in the United States, where he is in charge of the company's logistics and equipment, valued at \$70 million.

"Like many former cadets, the training I received as a cadet has served me in my corporate career," said Knowles. "As the vice president for logistics I have used the skills of leadership to lead the team of professionals who support Clark's \$4.5 billion of contracted work. The foundation of integrity taught by the cadet program has served me well. Whether



Knowles, right, is sworn in as the Maryland Wing commander by then-Col. Joe Vazquez while former Wing Commander Col. Jerry Weiss looks on. The change of command ceremony was held in April 2010 and Knowles served as wing commander for the next four years. Lt. Col. Brenda

Reed, Maryland Wing

"(CAP cadets) understand the mission focus and the need to put others before themselves." – Col. John Knowles, Middle East Region commander

negotiating the purchase of a million-dollar crane or one of our union contracts with the trades, doing the right thing comes naturally due to the lessons learned as a cadet.”

A True Leader

In recognition of his service to youth, Knowles, an Eagle Scout, was awarded the St. George emblem in 2006, and his dedication and leadership in CAP were acknowledged twice in 2009 when he was named both the Maryland Wing Senior Member of the Year and the Middle East Region Senior Member of the Year.

With more than 24,500 youth ages 12-20 in the CAP cadet program, those in the Middle East Region can take comfort in the fact that they are commanded by a true leader who is guided in his actions by his extensive experience as a former cadet himself, a leader of cadets and a parent of cadets. ▲



Knowles met his future wife, Teri Hanna, in 1978 while the two were CAP cadets in the Maryland Wing's Bethesda-Chevy Chase Cadet Squadron.



Happily married for 35 years, Knowles, with his wife, now Maj. Teri Hanna Knowles, pose for this photo during a CAP function in 2007. Both are still members of CAP. Each of their children, now adults, also served as cadets in the Bethesda-Chevy Chase Cadet Squadron.

We salute the C.A.P.!



AIR-PARTS of Lock Haven

Serving Aircraft Owners & Shops Around the World


P.O. Box 418
Lock Haven, PA 17745

(570) 748-0823


www.airpartsoflockhaven.com

Not just another transponder... introducing the STX 165 Mode A/C Transponder

- Built-in Encoder**
Simplifies installations and lowers cost.
- Low Current Requirements**
- Professional 1/2 3ATI Bezel**
that compliments any aircraft panel.
- Three Timer Functions**
Elapsed Flight Time, Up Timer, Down Timer
- Pressure Altitude Display**
- Optional OAT Probe**
provides Density Altitude and Icing Alert Displays
- Bright OLED Display**
is readable in virtually all lighting conditions and automatically dims for night time operations.
- Small and Light Weight**
7.4" behind the panel depth, 1.3 lbs.



Visit our website to learn more about STX 165 and other quality Sandia Aerospace products!



SANDIA aerospace

www.sandia.aero **505.341.2930**

From  to Architectural Design



Amann poses for his Washington Wing staff portrait in 2016. A former CAP cadet, Amann serves as the wing's deputy director of cadet programs.

Looking Challenges Straight in the Eye

Washington Wing's deputy director of Cadet Programs gives back to CAP youth

By Alex Jacks

Challenges are ever present in the world today, and while many shy away, Civil Air Patrol's deputy director of cadet programs in the Washington Wing seeks them. Maj. Clay Amann faces them every day as the owner of T Square Design LLC, an architectural design firm in Seattle, and as a key member of his wing.

“Architecture is definitely a challenge, I would say,” Amann said. “It’s an intellectual challenge, but it also has a lot of challenges of getting people to walk in the same direction. It’s hard to communicate effectively what’s in your head, and then to get other people to realize the idea and move on it. It’s one of those challenges that you’re kind of drawn to — at least I was.”

Despite the challenges Amann has encountered while starting his own business, his Civil Air Patrol training has afforded him the skills to work through them and lead five to 15 employees to take on architecture projects for Seattle’s building community.

“Civil Air Patrol taught me not to shy away from challenges,” he said. “I think that was probably one of the leading influences in my early life — definitely while getting through school and getting into the workforce. Without that prior experience of working through adversity, there is probably no way I could have faced the challenges that I have. As far as my job later on, team leadership is also something that I learned in Civil Air Patrol that definitely translated over very well into the real world.”

Many of the challenges Amann has faced while running his design firm have translated to his duties as the wing’s deputy director of cadet programs over the last three years.

“What I do is help pave the curriculum for any activities that happen with cadet training,” he said. “The overall composition of what they’ll learn is something I help shape and push out the door with a lot of these programs. I’m responsible for the cadet corps at the Washington Wing’s encampment, and for making sure the training and discipline level is where it needs to be among the cadets. Overall my job is to make sure everyone is learning and getting taking care of within our many programs.”

Amann believes his roles professionally and personally are extremely similar.

“Leadership is leadership,” he said. “I think understanding people’s motivations and getting them to want to work together toward a common objective is pretty universal. It’s a little easier when one group is getting paid, but the quality of people in Civil Air Patrol is of a higher caliber than I am used to just running into randomly in the professional world.”

Washington Wing Director of Cadet Programs Lt. Col. Kathy Maxwell met Amann eight years ago when he was a cadet. She said Amann proved to be a leader early in his Civil Air Patrol career.

“He was always a leader in the cadet program, interested in leadership and emergency services,” she said. “As he gained rank and finally attained the



Amann, center, served as cadet commander at a Washington Wing encampment in 2008. With him are members of his command staff.

Spatz award, we often worked together at wing events. He was as well-organized and capable then as he is today.”

After Amann’s mother told him about her time in Civil Air Patrol, he decided to join the organization as a cadet at 14 years old.

“When I was thrown into my first meeting, I saw people marching around in uniforms,” he said. “I just kind of knew that it was going to be more structured than the Boy Scouts, and that definitely drew me in.”

Amann graduated from Civil Air

“Seldom do we see someone in Clay’s age group giving so much time and energy to the country’s youth.” – Lt. Col. Kathy Maxwell, Washington Wing’s director of cadet programs



Amann, second from right, joins fellow CAP officers on the obstacle course at Joint Base Lewis-McChord, Washington, in 2014.

Patrol's cadet program as Gen. Carl A. Spaatz recipient No. 1,750 in January 2010.

"I got a lot of good out of Civil Air Patrol, and I think that's what motivated me to become a senior member," Amann said. "I wanted to be able to give back, since the program really helped me out. Also, I've always been drawn to challenge, and there is no better challenge for youth than Civil Air Patrol."

Maxwell said although Amann is still in the early stages of establishing

his life and professional career, he remembers the mentoring he received as a cadet — something he readily provides for cadets today.

"He makes the time to work with any cadet leader needing his help," she said. "He is also a great mentor to young seniors who work with the cadet program. He visits squadrons often and offers suggestions to strengthen their programs. Seldom do we see someone in Clay's age group giving so much time and energy to the country's youth." ▲



www.southernaero.com **Phone (336) 476-9094**

142 Commercial Park Drive, Thomasville, NC 27360

Specializing In  **Engine Repair**

MANN & SONS AG AVIATION

AERIAL APPLICATORS

Willows Airport • 175 County Rd. G
Willows, California 98988

(530)
934-5786

Fax: 530-934-5380



Luis Cubano: Colonel & Doctor

By Russell Slater



Col. Luis Cubano, right, is recognized by then-Southeast Region Commander Col. Al Bedgood in February 2014. The Distinguished Service Medal honored him for his command of the Puerto Rico Wing.

Col. Luis Cubano is one of the assistant inspectors general, or IGs, for the Southeast Region, and he has worked to continually improve and expand cadet programs and opportunities while holding various positions in Civil Air Patrol. Outside of the organization, the former professor, who holds a Ph.D. in biology, now administers diversity-focused institutional research training grants for the National Institutes of Health in Bethesda, Maryland. He manages the Research Initiative for the Scientific Enhancement (RISE) program and also the Maximizing Access to Research Careers (MARC) Undergraduate Student Training in Academic Research (U-STAR) program.

Interested in Science and Aviation

Cubano joined CAP's Puerto Rico Wing in September 1989 because he "was interested in science and aviation." He has also been a member of the Louisiana, Kansas and Alabama wings, and he's been a squadron, group and wing commander along with other various staff positions.

"As a cadet I participated in the three missions of CAP — aerospace education, emergency services and cadet programs," Cubano recalled. "Every day I use the communications, leadership and organizational skills that I learned as a cadet." During his



The former commander of the Puerto Rico Wing, Cubano currently serves as assistant IG of Civil Air Patrol's Southeast Region.

time as a cadet he also obtained the Gen. Billy Mitchell Award.

Unique Mentorship

Lt. Col. Charlotte Payne Wright remembers Cubano when he first attended the St. George Composite Squadron in uptown New Orleans as a mature student from Tulane University.

"Luis had been a cadet in Puerto Rico Wing," Wright said. Cubano brought to the newly formed squadron credentials as a first aid instructor and offered fellow members an easy opportunity to complete first aid training. "The training exceeded the requirements for certification and became something that we all appreciated. His thinking extended into our safety attitudes and thinking.

"A recently turned senior member, Luis was probably my youngest senior member. He worked well with the cadets. He also fit well into Louisiana Wing procedures, some of which must have been new to someone with sole experience as a Puerto Rico Wing member. He was a constant presence and positive example to the cadets. Most valuable to me, he was a team player within the squadron.

"His accessibility to cadets and his mentorship was unique to him and a gift to us all. This was a bonus that we had not expected."

Significant Improvements

After Cubano took command of the Puerto Rico Wing in 2012, a position he held until 2014, he oversaw significant improvements.

"As a wing commander I paid equal attention to the three missions," Cubano said. "We organized free summer encampments for the cadets, had a former astronaut speak at a wing confer-



Once a noted biology professor, Cubano now works for the National Institutes of Health in Bethesda, Maryland, administering diversity-focused institutional research training grants.



As a teenager in Puerto Rico, Cubano was a member of the Camuy Cadet Squadron, rising to the rank of cadet second lieutenant in 1992.

ence and increased the number of emergency services personnel in the wing."

Under Cubano's leadership the wing accomplished the first save in its history

and had the largest cadet membership increase in the Southeast Region. Elevated goals for recruiting and retention were set once a strong public awareness campaign was launched, which included community service projects and local school visits.

The wing also created an Introductory Flight Academy, as part of the aerospace education mission, and conducted its first Legislative Day, in which cadets got a chance to mingle with the island's elected representatives. Also, the number of cadet orientation flights increased significantly. Cubano's emphasis on the importance of educating cadets inspired 77

senior members to enroll in the Training Leaders of Cadets program.

After securing funding, the wing established the Puerto Rico Endowment and began offering free summer encampments for cadets in 2013. Also that year, the wing held the Region Cadet Leadership School and established a cadet honor society.

Leading by Example

Cubano, a former Southeast Region chief of staff, was recognized as the Emergency Services Officer of the Year for the Louisiana Wing in 1993, the Senior Member of the Year of the Louisiana Wing in 2001 and also Senior Member of the Year for the Puerto Rico Wing in 2011.

In addition to his exemplary service and important work furnished to the

scientific community, Cubano was also involved with six space shuttle missions, including astronaut John Glenn's return to space in 1998, as well as a pair of science experiments conducted aboard the International Space Station.

As an assistant professor (2002-2006), associate professor (2006-2013) and professor (2013-2016) at Universidad Central del Caribe in Bayamón, Puerto Rico, Cubano performed research in cellular and molecular biology and taught courses in cell biology, cancer molecular biology and other subjects to medical and graduate students. He mentored students, postdoctoral fellows and junior faculty and helped obtain funds to train them. He organized the Molecular Biology Summer Academy (2013, 2014, 2015, 2016), the

Neurophysiology Workshop (2014, 2015) and the Bioinformatics Institute (2014).

Cubano serves as an excellent example to cadets who wish to apply their energies and efforts to the field of science. Still involved in the cadet program, Cubano continues to support cadets in their endeavors, because "it provides me with the opportunity to support the next generations of leaders of CAP and the nation."

Wright fondly recalled the moment she learned of Cubano's ascension to wing commander, "I had left Louisiana for Virginia in 1999. I later learned that Luis returned to Puerto Rico and had been appointed wing commander — my first former member to reach this command office. Luis does Puerto Wing proud." ▲



LOCATED @ DONALDSON (KGYH)
2280 Perimeter Rd
Greenville, SC 29605
864-360-0378
john@pfly.com

PROVIDING ALL YOUR AVIONIC NEEDS

- IFR Certifications
- Transponder Certifications
- Avionics Installations & Sales
- Aircraft Sales & Export





DEALERS	CAPABILITIES
Garmin Dealer number (35069185)	Certifications 91 ALI 812 91 AL3
PS Engineering Dealer number (PF Flyers)	Sales Avionics and aircraft
L-3 Communications Dealer number (9905)	Installations Retro-fit on small aircraft up to business jets
Aspen Dealer number (PF Flyers)	Aircraft maintenance
S-Tec Dealer number (PF Flyers)	Avionic Engineering



540-788-9300
info@skyworldaviationinc.com







SkyWorld Avionics, operated by Repair Station 9MIR, provides the best quality sales, installation and service for all of your avionics needs.

Don't forget to ask about a full ADS-B solution!



From  to National Operations

Once a Cadet ...

CAP's Director of Operations fell in love with aviation
as a young man serving in the Rhode Island Wing

By Russell Slater

The National Emergency Services Academy consists of three separate schools — Mission Aircrew, Incident Command Staff and, here, Ground Search and Rescue. NESA was founded by CAP Lt. Col. John Desmarais in 1996.

John Desmarais is one of a handful of former CAP cadets who now find themselves enjoying their work as longtime staff members at CAP National Headquarters at Maxwell Air Force Base, Alabama. The current director of operations joined CAP as a cadet in December 1987.

“From that point on, he knew what he wanted to do in his career,” said Col. Jean Desmarais, John’s father, who volunteers at CAP National Headquarters along with John’s mother, 1st Lt. Ruth Desmarais. “He wanted to work for CAP.”

We Worked Together

As a cadet, Desmarais achieved the rank of cadet lieutenant colonel in the early 1990s, also earning the Gen. Ira C. Eaker Award.

“I think the things that really changed me were my leaders, mentors and friends in CAP,” said Desmarais. “I had many adults that spent incredible amounts of time with me to provide me the education and training needed to be a cadet NCO (noncommissioned officer), then a cadet officer and then an adult member. They made sure I set the right example for those coming forward. We worked together.

“In fact, the motto for the squadron I first joined as a cadet, the 102nd Composite Squadron, Rhode Island Wing, was ‘We are a Team.’ That was

true in so many ways. The cadets and adults alike always made a point of working together to get the job done, and supporting one another.”

During this time, CAP was overseen by U.S. Air Force employees at National Headquarters; there were virtually no civilian job openings at that time, but Desmarais was not discouraged and never gave up on his goal of making CAP operations his full-time occupation.

Things changed later on when the transition was made from complete Air Force oversight to a joint USAF-CAP partnership; this occurred during Desmarais’ senior year at Embry-Riddle Aeronautical University. He graduated in 1995 with a bachelor’s degree in aviation business administration, focused in management information systems, with a minor in safety of flight, and also earned a master’s degree in aeronautical science in 2000, specializing in aviation/aerospace safety systems. Upon graduation in 1995, Desmarais began his career in cadet programs, and then transitioned to working in the operations directorate



As a teenager in Rhode Island, Desmarais served as a cadet in the 102nd Composite Squadron. He wore his CAP uniform for this high school photo, taken in July 1990.



This is the 102nd Composite Squadron patch Desmarais wore as a

cadet in the late 1980s and early 1990s. As stated on the patch, the CAP unit placed great value in teamwork, which made a lifelong impression on Desmarais.

“The cadet program offered me opportunities that really changed my life.” – John Desmarais, CAP’s director of operations



Desmarais, a lieutenant colonel in Civil Air Patrol, is doing today what he always wanted to do as a cadet — working for CAP. As CAP's director of operations, Desmarais is tasked with many duties at National Headquarters, including serving as a point of contact for the national leadership for all emergency services, counterdrug and homeland security matters.



Then-Cadet Lt. Col. Desmarais, at right, inspects this RIGSAR formation in July 1993.



In the fall of 1998, then-Capt. Desmarais participates in a survival field exercise in Alabama.

under Col. Glenn Atwell two years later when the opportunity presented itself.

"CAP and the cadet program really helped make me the man that I am today, in many different ways," said Desmarais. "As I was growing up, my dad was very much involved in the local fire department as a volunteer. By the time I joined CAP, he was the local volunteer rescue captain. I spent a lot of time at the fire department as a child, and was a volunteer fireman and first responder with that department for a short time myself. CAP offered me a lot of opportunities to build off that and make a career out of something I loved."

His Dream

While still a cadet, Desmarais started the

Ground Search and Rescue School in Rhode Island in 1991, an educational training opportunity for other cadets that was based on the original New Jersey Ground Search and Rescue program.

"His dream was to expand this program," recalls Desmarais' father. "He wanted to ensure other members would have the opportunity to train and qualify to serve on ground teams and every other facet of CAP mission operations in a safe training setting using uniform, consistent training materials and basic training standards that would be recognized nationally."

With a cadre of like-minded CAP members, training standards were developed and approved. The first-ever National Ground Search and Rescue School was established at

the Miller School in Charlottesville, Virginia, during the summer of 1996. In 1998 the school was moved to its current larger, more suitable location at Camp Atterbury in Edinburgh, Indiana. It was expanded to include a Mission Aircrew School and Incident Command System School and renamed the National Emergency Services Academy, or NESA.

“NESA provides a place where personnel can now complete training in virtually every emergency services specialty qualification in CAP,” said Jean Desmarais. “All these programs have continued to evolve and produce, test and expand the use of consistent training material across the organization.”

Desmarais, now a CAP lieutenant colonel, still serves as project officer and provost in addition to being president of the NESA Alumni Association. Along with a dedicated training staff that returns every year to provide support to the program, Desmarais and his National Headquarters operations staff provide support to NESA and all programs under the operations umbrella.

NESA serves as one example of the various programs Desmarais has been involved with over the course of his

extensive CAP career. As director of operations at National Headquarters, he is tasked with many duties, including serving as a point of contact for all emergency services, counterdrug and homeland security matters with the national leadership.

Additionally, he interfaces with local, state and federal personnel on operations issues while also assisting CAP leaders in formulating policies, program goals and objectives with the Air Force and other counterparts nationally. He also supervises program managers for communications, the National Operations Center, National Technology Center, standardization and evaluation and health services.

Heart and Soul

Prior to Desmarais’ current assignment, he also served as chief of operations support, chief of emergency services, emergency services plan officer and special activities program manager. He continues to be an active volunteer and has served in a variety of positions within the Rhode Island, Florida and Alabama wings as well as the Southeast Region as a whole.

In addition to a multitude of awards and commendations from commanders, Desmarais was also

Other CAP National Headquarters employees who were cadets:

- Paul Gloyd, assistant chief operating officer
- John Swain, director of government relations
- Bobbie-Jean Tourville, chief, professional development
- Curt LaFond, deputy director, Cadet Programs
- Joanna Lee, program manager (Education Group)

named the National Headquarters Employee of the Year in 2002, and he later received the President’s Call to Service Award in 2008.

“The cadet program offered me opportunities that really changed my life,” Desmarais said. “I consider myself blessed to be working for this great organization, making an impact every day, and giving back to the organization that has given me so much.” ▲



A man in a Civil Air Patrol uniform stands in front of a large aircraft. The aircraft has a large white star on its side and the word "HEADQUARTERS" visible. The man is wearing a dark uniform jacket with "CAP" insignia on the shoulders, a cross emblem on the left chest, and several ribbons. He is also wearing a dark beret with a star and glasses. The background shows the tail section of the aircraft and a clear sky.

From  to Ministry

A Higher Calling

Former Cadets Serve as Adults through Full-Time Ministry

By Jennifer S. Kornegay

CAP's Chaplain Corps, consisting of 900 chaplains and character development instructors, recently celebrated its 65th anniversary.

T

he concept of service is deeply ingrained in every aspect of CAP; it's the behind-the-scenes motivation for the volunteer organization's primary missions. But a few former CAP cadets — who are still active senior members — have taken the idea one step further, devoting their lives to serving others through full-time ministry. In each of their stories, their cadet experiences stand out as formative episodes.

Chaplain Lt. Col. Debra Prosser

Chaplain Lt. Col. Debra Prosser, the Nevada Wing's chaplain, became a part of CAP when she joined a squadron called the Flying Bloodhounds in Kenosha, Wisconsin, at age 12. With a father in the Air Force, she was interested in CAP's aviation aspects, but the teamwork and camaraderie she saw in CAP were even more appealing; both drew her in. "I absolutely loved it," she said. "I ate, drank and slept CAP. It was such an amazing time."

She wasn't in Wisconsin long before her dad was transferred to Tucson, Arizona, and she joined a local squadron there while she finished high school. She joined the U.S. Army right after graduation, and in basic training she realized for the first time how well her cadet training translated into other situations. It wouldn't be the last. "CAP absolutely helped me through my military experience, from my initial day of basic training and onward. I went straight up to platoon sergeant, and that's because they saw leadership in me, and that was all due to CAP." She also found her niche as a motivator. "I like to inspire and encourage people, and I honed that as a cadet," she said.

While in the Army she made the

decision to enter the ministry, and there again she sees her cadet days playing a part, this time by helping find her real purpose and her work to fulfill it. "I felt a desire to give back to society and felt God's call to go into ministry," she said. "That desire to help others and the understanding of teamwork that I got in CAP were a part of that. I think it prepared me to hear and answer that call."

She also put the determination that she learned as a cadet to use while in seminary. "During my pastoral studies, I was a youth pastor at the same time, and I stayed active in CAP, so I had a lot on my plate," she said.

Today she's the singles pastor at Cornerstone Church in Las Vegas, but her ministry goes beyond filling spiritual needs; she also helps others help themselves, teaching martial arts with a focus on self-defense. "I actually

learned martial arts, a specific style called Kajukenbo, at my church, and now I teach it to about 30 students," she said. "One of my former cadets was assaulted, and that spurred me to learn and then to pass that knowledge on."

In CAP, in addition to serving as wing chaplain, she started a local squadron at her church, giving her the chance to guide cadets in the same way she was mentored. "I'm now the adviser for that squadron, and they are doing awesome," she said. "Seeing cadets go from 12-year-old, naïve kids without confidence, to at 18, going off to the Air Force Academy and West Point is so amazing."

Two of the things she stresses to cadets are, "don't give up and never quit." They are attitudes CAP instilled in her. "I know I would not be where I am today without CAP and without

*"I like to inspire and encourage people,
and I honed that as a cadet."
— Chaplain Lt. Col. Debra Prosser*



the specific mentors I had as a cadet,” she said.

Her ability to remain calm under pressure stems from cadet days too, and allowed her to help avert a tragedy, a situation that earned her CAP's Bronze Medal of Valor. “I was doing outreach in an area and an 8-year-old girl was shot in a gang fight,” she said. Prosser grabbed a shirt, applied pressure to her wound and removed gum that child was choking on from her mouth. The shot just missed the child's heart, so she ended up OK, but Prosser's cool head definitely helped save the day. “Maintaining composure and acting quickly, I got that from CAP for sure,” she said.

Despite a packed schedule, Prosser also works as a deputy marshal to the chief judge presiding over the Las

Vegas Justice Court. The role gives her yet another opportunity to draw on cadet principles. “CAP taught me that everybody is a person,” she said. “I treat everyone in the courtroom the same, the way I would want to be treated, and I show everyone the same respect. I can't tell you how many people thank me for treating them that way.”

She sees the benefits of her ministry work and not just what it provides others. “Being a chaplain and being able to help folks in so many different ways has been a blessing to me,” she said.



Chaplain Lt. Col. Debra Prosser, the Nevada Wing's chaplain, third from left, was honored with the Pacific Region Chaplain of the Year Award in 2015. Shown with her, from left, are Col. Ralph Miller, then a member of CAP's Board of Governors; Lt. Col. Shawn Brewer, the wing administrator; Col. Carol Lynn, Nevada Wing commander; and Col. Tim Hahn, vice commander of the Pacific Region.



Chaplain Maj. David King is captured at Pearson Field in Vancouver, Washington, getting ready for his first flight as an observer with the Fort Vancouver Composite Squadron.

Chaplain Maj. David King

Chaplain Maj. David King drives an hour and 15 minutes each way from Hood River, Oregon, to Vancouver, Washington, to meet with his squadron, where he wears multiple hats, serving as chaplain, personnel officer and communications officer and working with cadets. He's never even considered not making the drive, since he credits lessons learned as a cadet with preparing him for his ministry work. “I never thought about not staying involved, despite the distance,” he said. “As a cadet, I learned so much: how to set goals and meet them in the pursuit of excellence and how to interact and work with diverse people and treat them with respect. All of those factor into my ministry.”

He joined CAP as soon as he was old enough, becoming a member of the Washington County Composite Squadron in Oregon when he turned 12 in 1991. He was initially attracted to the customs and the military aspect. But he soon found so much more, including qualities that he believes benefit him greatly in his position as pastor of Spirit of Grace church, a

"One of the major things CAP provided was leadership development. It's not something you get in seminary, but it's very much needed and very important when leading a congregation."
— Chaplain Maj. David King



unique congregation composed of two denominations, United Methodist and Evangelical Lutheran Church in America. "One of the major things CAP provided was leadership development," he said. "It's not something you get in seminary, but it's very much needed and very important when leading a congregation."

He also sees parallels between the motivations of a minister and CAP's "service before self" motto. "That is a true match between my role as pastor and my work with CAP," he said. "It is a CAP value, but also a large part of the Christian tradition. Jesus was a servant leader."

Other CAP values like integrity, excellence and respect are equally vital in his ministry life. "The idea of respect for one another in the face of differences is important and something that seems to be lacking in our time," he said.

While King is trying to get a squadron started in Hood River, he's enjoying the opportunities to do more emergency services missions that his current squadron provides. "It's exciting to me. I enjoy the work I get to do as a scanner and observer," he said.

The most rewarding aspect of his CAP involvement is leading character

development for cadets. "I can really see a difference being made there," he said. "After a break in service of nearly 20 years, I am glad to be back in CAP, giving back to today's cadets some of what was given me."

Chaplain Major David King, right, was all smiles during his first CAP activity outside a squadron meeting, an airshow in Oregon in 1991. He was 12 and assigned to "guard" the A-10 in the photo.



When she's not volunteering with CAP, Maj. Lisa Myrick stays busy ministering at her church in Hawaii.

Maj. Lisa Myrick

Maj. Lisa Myrick has found fulfillment leading Bridges of Light, a church she co-founded with her husband amid the swaying palms and fresh coastal breezes of Hawaii, while also participating as an active senior member of the Kona Composite Squadron. But back in the late '80s, when she was a new, 15-year-old CAP cadet, things weren't quite so golden. "I was in Mississippi, and I was like a lot of teens, looking for my niche," she said. "I found it in CAP."

The squadron's commander, a petite lady Myrick described as a "ferocious but protective mother hen," tucked Myrick under her wing at a time filled with uncertainty. "When I first joined CAP, I was dealing with some issues with family, and CAP provided the stability I needed to keep me out of trouble," she said. "It was a real anchor for me, and my commander

"CAP helped me gain confidence and leadership skills. Now I teach, deliver sermons from the pulpit, and what I learned as a cadet — the poise, respect, integrity — has really aided me in my ministry life." — Maj. Lisa Myrick



Myrick earned the Mississippi Wing Cadet of the Year award in 1989.

was the biggest reason I earned my Billy Mitchell award as a cadet. She would not let me quit."

Myrick was a cadet for less than two years, and then she realized her childhood dream of joining the Air Force, where her work as a psych tech took her overseas to Korea. When she got back to the states, she met her husband in California, and in 2002 the couple moved to Hawaii, where they started their church in what had been a resort's wedding chapel. Today, she ministers to people who travel to Hawaii from all over the world. "It's so

much fun to meet all the vacationers and serve a need for them through Bridges of Light," she said. "The name is kinda 'new-agey,' but we are a non-denominational Christian church."

The church's congregation is made up of mostly visitors and tourists, with a few permanent families that live there, and it also broadcasts its services online every week. According to Myrick, although her time as a cadet was brief, its impact was powerful and definitely still influences her work. "When I joined as cadet, I was outgoing on the surface but really shy, and I kept people at arm's length," she said. "CAP helped me gain confidence and leadership skills. Now I teach, deliver sermons from the pulpit, and

what I learned as a cadet — the poise, respect, integrity — has really aided me in my ministry life."

It's a life she loves. She finds joy knowing that she is making an impact, even if she never sees the results. "So many times, the people that come to our church, we never meet again, but we have this one chance to share something with them that can affect and change their lives. That's why I do what I do."

Thanks to her son's interest in CAP and joining as a cadet at age 14, she found her way back to the organization and is now heavily involved. "I rejoined and started volunteering with cadet programs when my son joined, and then about nine months later, I was asked to become squadron commander. I did that for three years." Following her time as commander, she served as her unit's deputy commander for cadets and as the Hawaii Wing's assistant director for cadet programs. She's now Hawaii Wing inspector general, a position she recently accepted after completing her eighth encampment as encampment commander. Her son, now 20, is working on his Gen. Carl A. Spaatz Award and has also joined the Army Reserve.

And today, her ministry work is helping her in CAP. "I believe my cadet experience and my ministry work made me a better commander, and I am now better prepared for my role as inspector general due to the things I've learned in my church. It also helps me in my continuing work with cadets, which is my passion. I see it almost as a branch of my ministry. It just fits." ▲

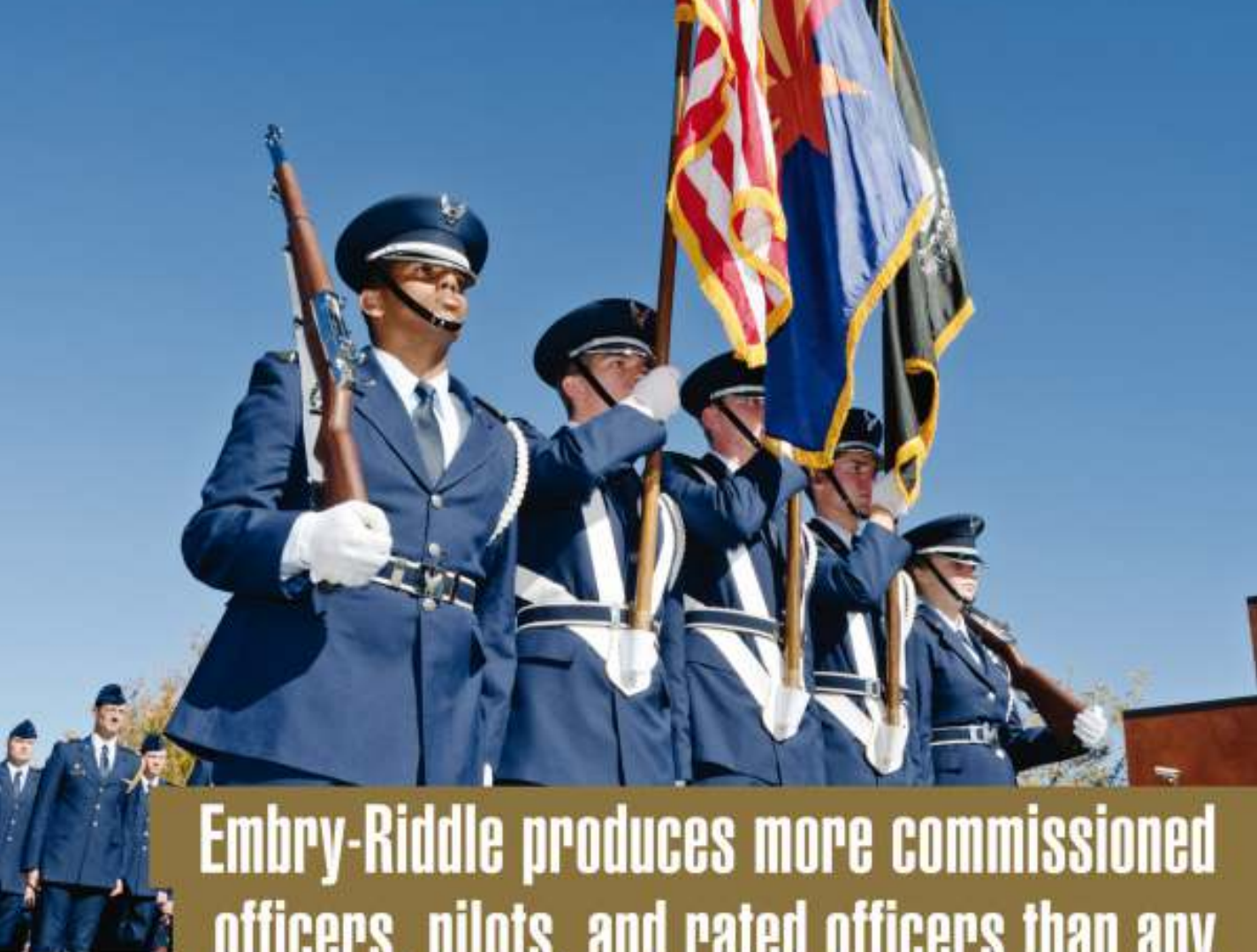


CIRRUS PERCEPTION[®]

INTELLIGENCE - SURVEILLANCE - RECONNAISSANCE

Introducing Cirrus Perception™, an all-new cost-effective, multi-mission platform.
Now FAA certified, learn more about Cirrus Perception at cirrusaircraft.com/fleet.





Embry-Riddle produces more commissioned officers, pilots, and rated officers than any other AFROTC detachment in the country.

► TOP RANKED AEROSPACE ENGINEERING PROGRAM

100%

CLASSES TAUGHT BY FACULTY

25

AVERAGE CLASS SIZE

1ST

COLLEGE OF SECURITY AND
INTELLIGENCE IN THE NATION

95%

JOB PLACEMENT RATE

*The world's most comprehensive collection
of academic programs focused in aviation,
aerospace, intelligence, and cyber security.*

EMBRY-RIDDLE
Aeronautical University

PRESCOTT, ARIZONA

prescott.erau.edu/cap