PENNSYLVANIA

CELEBRATING 75 YEARS OF SERVICE

CIVIL AIR PATROL

STATISTICS 2015

CAP will mark its 75th anniversary this year, having been established Dec. 1, 1941. The organization's long history of public service was recognized in December 2014 with presentation of the Congressional Gold Medal for its volunteer service helping protect Allied shipping and the U.S. homefront during World War II. Congress designated CAP as the official Air Force Auxiliary in May 1948 and identified its three core missions – emergency services, cadet programs and aerospace education. CAP was recognized in 2015 as part of the U.S. Air Force's Total Force, which also consists of regular Air Force, Air National Guard and Air Force Reserve, along with Air Force retired military and civilian employees. CAP's more than 55,000 members stand ready to assist their nation, their states and their communities when called upon during times of need.

Volunteer Members
1,053 adult members
923 cadets
1,166 voting-age members
152 aircrew personnel
1,181 emergency responders

Squadrons
49 locations statewide

Aircraft
11 single engine

Vehicles
36 vehicles

Interoperable Communications
33 VHF/FM repeaters
410 VHF/FM stations
56 HF stations

Missions
15 search and rescue missions
11 finds
3 other state support missions

Cadet Flying
700 cadet orientation flights

Total Hours Flown
2,538

Financial
$5,458,310 value of wing's volunteer hours

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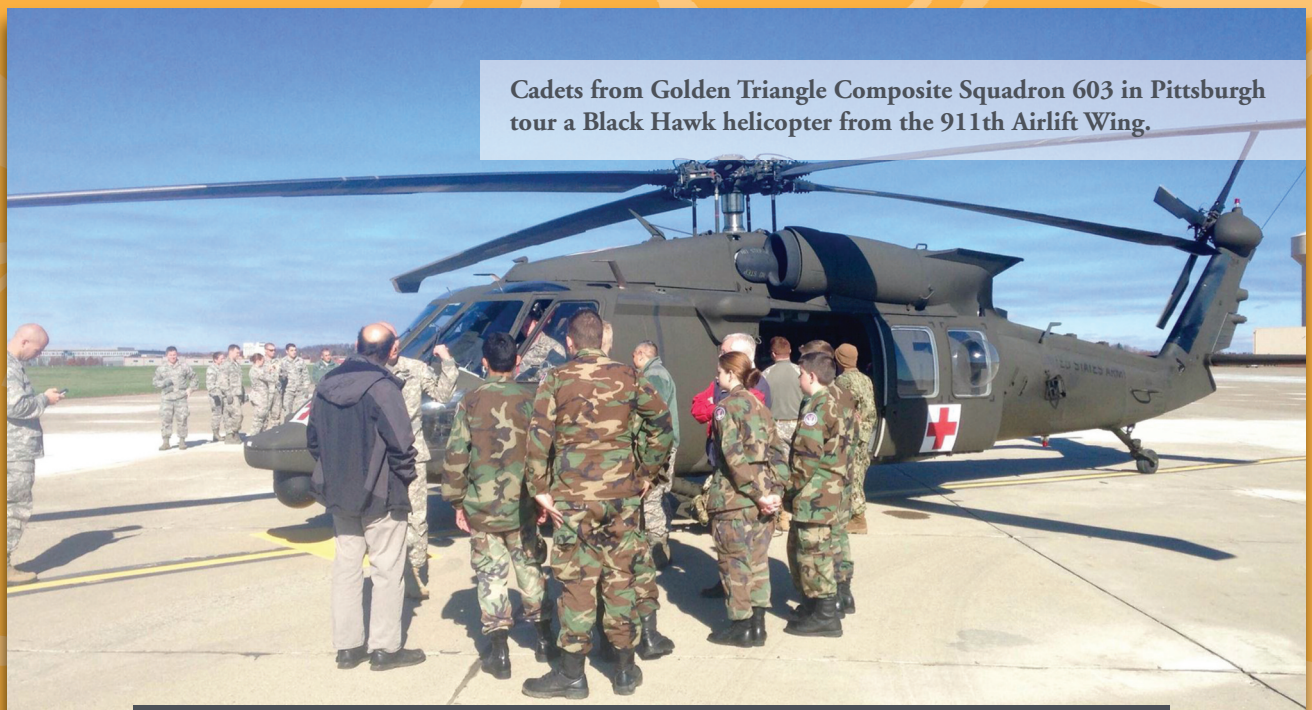
CITIZENS SERVING COMMUNITIES



Cadets from Golden Triangle Composite Squadron 603 in Pittsburgh tour a Black Hawk helicopter from the 911th Airlift Wing.

PENNSYLVANIA WING

SERVING THE COMMONWEALTH THROUGH CAP'S THREE PRIMARY MISSIONS

Cadet Programs:

The Pennsylvania Wing hosted five National Cadet Special Academies in 2015 — the Northeast Region Cadet Leadership School, Northeast Region Honor Guard Academy, two Glider Academies and Hawk Mountain Ranger School. Those were held in addition to the wing Basic Cadet Encampment and Leadership Development Course, which drew more than 400 cadets from four Civil Air Patrol regions and nine states. Thanks to CAP's new Cadet Encampment Assistance Program, many cadets who might otherwise have been unable to attend were fully funded for Basic Encampment.

The wing's eighth annual Cadet Conference, planned and implemented by the Cadet Advisory Council and the Cadet Programs staff, attracted 250 members in November. Highlights of the gathering were CyberPatriot and Cadet Retention workshops and presentation of the Gen. Carl A. Spaatz Award — CAP's most prestigious cadet honor, achieved by Cadet Cols. Nicholas Cavacini of Nittany Composite Squadron 338 and Nicholas Basile of Quakertown Composite Squadron 904. The afternoon adventure activity was the mobile zipline, with even the wing commander participating.

The wing provided more than 700 cadet orientation flights during the year.

Emergency Services:

The wing carried out six missing person and nine distress beacon or aircraft crash searches, with nearly 40 members participating in each mission. Counterdrug flights uncovered illicit substances with a street value of $4.5 million.

Aerospace Education:

The wing is developing the first STEM Academy for the June Cadet Training Schools, which will feature a seven-day curriculum of aerospace education, rocketry, space and astronomy, cyberspace and robotics, as well as career fields and hands-on learning.

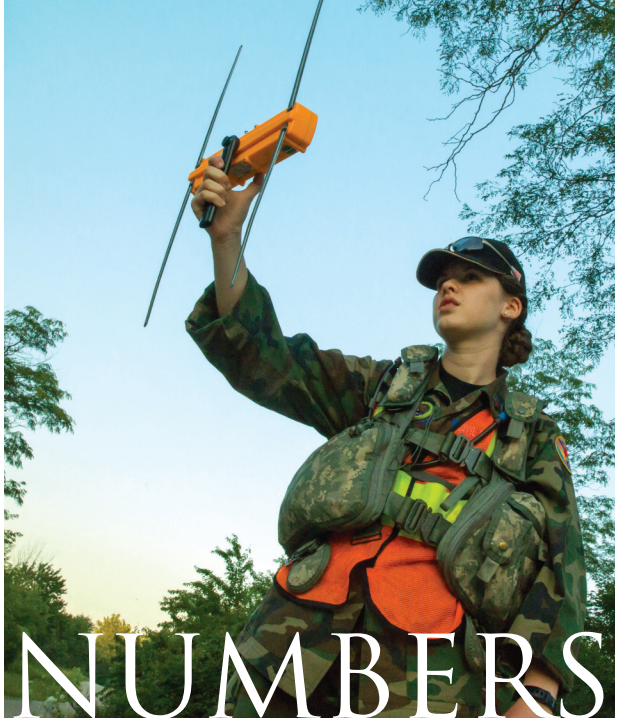
Wreaths Across America observations were held at eight locations in the Commonwealth, with nearly 450 members in 21 local units, honoring U.S. veterans and fallen soldiers.

HIGH-PROFILE MISSIONS

- Damage assessment flights in support of Hawaii after Hurricane Ana
- Tornado damage assessment flights in Mississippi on Christmas Eve
- Airborne survey flights over Illinois to identify ice jams causing flooding
- Airborne oil spill assessment flights along the Missouri River by North Dakota Wing
- Support for emergency shelter operations by Tennessee Wing ground personnel following winter ice storms and freezing in mid-February
- Nebraska Wing's ice jam identification flights to assist with flooding operations
- Tornado damage assessment flights following spring storms in Oklahoma, Texas and Illinois
- Spring flooding assessment flights and sandbagging operations in Louisiana, Colorado, Oklahoma, Indiana, Missouri, Tennessee and Kentucky
- Disaster shelter support in Puerto Rico for Tropical Storm Erika
- Tsunami Warning mission in Hawaii after a major earthquake in Chile in September
- Airborne imagery collection over the Hilldale flash flood sites in Utah
- Support to FEMA in California for wildland fires in September

MISSIONS & TECHNOLOGY

CAP has one of the largest single-engine piston aircraft fleets in the world, operating over 550 powered aircraft that support missions for communities nationwide every day. Fifty-five gliders and two hot-air balloons are used to provide cadet orientation flights. Cadets will be the future of American aviation, and dedicated CAP pilots work to give them opportunities to explore aviation and learn how to fly. CAP also maintains a fleet of almost 1,000 ground vehicles comprised of vans, trucks, sedans and other special purpose vehicles used to support our missions. CAP's multimillion-dollar interoperable VHF-FM and HF radio communications network consists of over 11,500 fixed and mobile radio stations used for command and control of resources and to communicate with counterpart agencies at the federal, state and local levels.



75 YEARS OF SERVICE

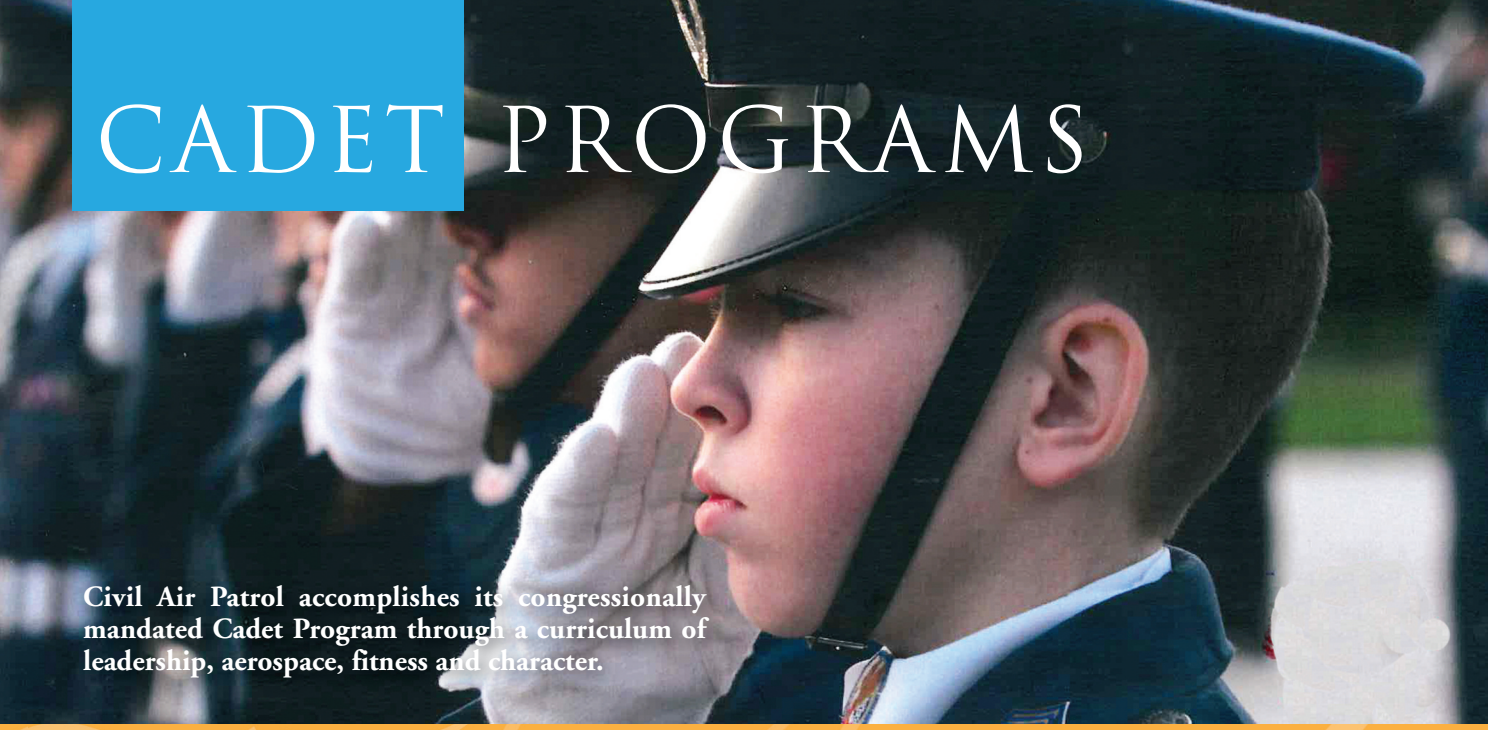
BY THE NUMBERS

Civil Air Patrol annually conducts 90 percent of all inland search and rescue missions in the continental U.S. as tasked by the Air Force Rescue Coordination Center and other agencies. CAP was involved in 863 SAR missions in 2015 and was credited with saving 69 lives.

- **6,945 aircrew personnel** and **4,249 ground team members** are available for CAP missions.
- **30,761 qualified personnel** trained to federal standards supported **196 disaster relief** and other federal, state and local agency support missions in 2015.
- CAP aircrews flew **98,529 hours** in 2015, conducting search and rescue, disaster relief, air defense, counterdrug and numerous other critical missions.
- CAP services, performed in the air and on the ground by CAP's volunteers, cost only **$120 to $165 per flying hour**, saving millions of dollars over other aviation options.
- CAP aircrews flew **1,164 hours on 190 air defense exercise missions** helping prepare fighter units across the country for homeland security missions.
- Aircrews conducting counterdrug and drug interdiction operations flew **9,183 hours** helping law enforcement agencies seize **$1.2 billion** in illegal drugs and currency, leading to **753 arrests**.
- CAP aircrews flew **1,168 hours on 35 Surrogate Unmanned Aerial Systems missions** to train U.S. and coalition forces from around the world in 2015.
- CAP pilots flying as mentors to America's future aviation leaders flew **10,882 hours to conduct 27,862 cadet orientation rides** in both powered aircraft and gliders in 2015.
- In all, CAP members provided almost **$165 million in volunteer services to the 1,451 communities** it supports nationwide.
- The Air Force Rescue Coordination Center credited CAP's national cell phone forensics and radar analysis teams with **53 lives saved** in 2015.

CITIZENS SERVING COMMUNITIES

CADET PROGRAMS



Civil Air Patrol accomplishes its congressionally mandated Cadet Program through a curriculum of leadership, aerospace, fitness and character.

TRANSFORMING YOUTH INTO DYNAMIC AMERICANS AND AEROSPACE LEADERS

Core Values
CAP instills the organization's core values in its cadets – integrity, volunteer service, excellence and respect. Cadets are drug-free role models in their communities and schools.

Wreaths Across America
Every December, in all 52 wings and even overseas, cadets participate in Wreaths Across America observances presenting the colors and placing wreaths on veterans' graves in national cemeteries and at war memorials.

Scholarships
More than $60,000 in college and flight scholarships are available to CAP cadets.

Career Exploration
Through more than 30 National Cadet Special Activities cadets annually explore careers in a wide variety of fields. Cadets can choose to investigate flying, aircraft maintenance and manufacturing, cyberspace operations, engineering, robotics and emergency services, among others.

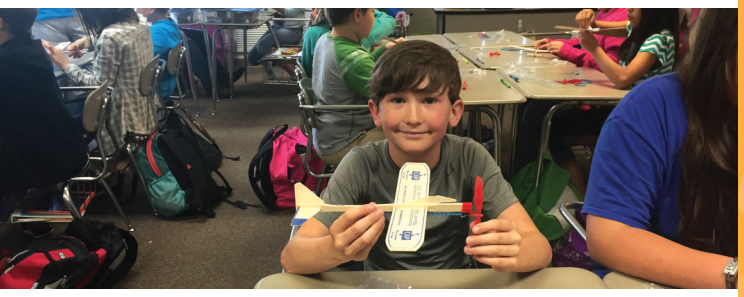
Flying High
The opportunity to fly is a major attraction CAP offers youth. During 2015, CAP's pilots flew cadets on 27,862 orientation flights.

Leadership
Our program offers cadets in-depth training in leadership and enables them to apply classroom principles to real-world needs. Cadets are encouraged to plan events, make decisions and teach and mentor junior-ranking cadets under senior supervision.

Community Service
CAP cadets serve their communities in a myriad of ways, including collecting and distributing food and clothing to the needy, carrying out cleanup campaigns and meeting logistical needs for aviation-related events like air shows.

AEROSPACE EDUCATION

Civil Air Patrol's awarding-winning aerospace education program promotes aerospace history, flight principles and careers. Many of the nation's astronauts, pilots, engineers and scientists first explored their careers in CAP.



CAP's **Aerospace Education and STEM** program, consisting of over 30 no-cost aerospace education products and programs, generates interest in Science, Technology, Engineering and Mathematics careers in over 25,000 cadets and about 150,000 K-12 students nationwide.

STEM Kits

Nearly 150,000 K-12 youth across the country were exposed to career exploration programs associated with astronomy, flight simulation, model and remote-controlled aircraft, robotics and rocketry, thanks to free STEM kits provided by CAP.

Teacher Members

CAP's AE programs extend to adults as well as youth. CAP offers a special membership for teachers promoting AE and STEM in their classrooms. This includes Teacher Orientation Program flights that provide educators with the opportunity to experience firsthand the excitement of flying and to expand their aeronautical knowledge, which also benefits 30,000 students annually.

Eye on the Future

The CyberPatriot program, complemented by CAP's cyber security educational materials, is grooming participants for future cyber security careers.

Civil Air Patrol is a leader in the All Service Division national high school CyberPatriot program, with past championships in the competition. In 2014, the California middle school team won the inaugural National Middle School Championship.

Head of the Class

About 18,000 youth in 30 states are K-6 Aerospace Connections in Education program participants. The no-cost program offered by more than 300 teachers enriches academics, character education and physical fitness with an engaging grade-specific curriculum.

MISSION STATEMENT

Supporting America's communities with emergency response, diverse aviation and ground services, youth development and promotion of air, cyber and space power.

www.GoCivilAirPatrol.com