

U.S. AIR FORCE AUXILIARY

Pennsylvania Wing



2013 STATISTICS

Volunteer Members

1,125 adult members
1,057 cadets
1,275 voting-age members
190 aircrew personnel
1,282 emergency responders

Squadrons

65 locations statewide

Aircraft

14 single engine

Vehicles

52 vehicles

Interoperable Communications

37 VHF/FM repeaters
477 VHF/FM stations
51 HF stations

Missions

18 search and rescue missions
1 life saved
11 finds
41 other state support missions

Cadet Flying

846 cadet orientation flights

Total Hours Flown

2,200

Financial

\$100,000 in state funding
\$5.6M value of wing's volunteer hours

National Commander

Maj. Gen. Charles L. Carr Jr.
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Region Commander

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Wing Commander

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Wing Dedicated to Serving Communities

The Pennsylvania Wing continues to serve local communities across the Commonwealth with dedication, integrity and passion. The wing's cadets, ages 12 to 20, excelled at every level, from earning Gen. Carl A. Spaatz Awards — CAP's highest cadet achievement — to graduating from Cadet Training School and Hawk Mountain Ranger School, participating in emergency services and search and rescue exercises and diligently studying and practicing leadership. Adult members and cadets worked together to honor the nation's veterans, not only marching in Memorial Day and Veterans Day parades but also helping salute America's veterans and fallen soldiers in the annual Wreaths Across America observance, which ballooned to nine locations in December.

During the summer, the Pennsylvania Wing hosted International Air Cadet Exchange participants from Canada and South Korea. The young adults and their chaperones crossed the Commonwealth during their weeklong visit, meeting wing members in Philadelphia, Gettysburg, State College, Harrisburg and Pittsburgh and gaining a flavor of



what Pennsylvania has to offer.

The wing's counterdrug team reached the 25,000-flying-hour milestone since the program's inception. The counterdrug program is one of the best in the country, helping Pennsylvania authorities eradicate more than \$17 million worth of marijuana.

The wing's devotion to CAP's aerospace education mission was on display at the Montgomery County STEM (Science, Technology, Engineering and Math) Expo, where an aerospace education member, Merion County Elementary third-grade teacher Penny Glackman, and Capt. Tim Case, aerospace education officer for Chester County Composite Squadron 1008, shared what the program offers teachers and schools. The CAP presentation

included a "one-straw kite" demonstration in aerodynamics and lesson plans, activities and materials for those in attendance.

▲ During the 2013 Cadet Training Schools at Fort Indiantown Gap, Pennsylvania Wing's outstanding cadets — including Cadet Chief Master Sgt. Zachary Gunnet, the event's Honor Cadet, center, and Cadet Airman 1st Class Kenneth Porter, named Most Improved Cadet — received a surprise tour of the helicopter simulation training facility and the Black Hawk and Chinook flight simulators. The tour was conducted by U.S. Army National Guard Maj. Tim Zerbe, a former Civil Air Patrol cadet.



Technology

Advances in technology

— including digital electronic direction finders, infrared cameras that register heat signatures, real-time full-motion video, in-flight chat capabilities and airborne public address systems — have enhanced CAP's SAR capabilities.

High-Profile Missions

Oklahoma Tornadoes — CAP ground teams photographed 13,000 property sites.

Colorado Flooding — 112 sorties and 2,763 man-hours to capture 10,061 images for FEMA.

South Dakota Blizzard — 440 geotagged photos documenting 15,000-30,000 dead livestock, a \$1.5 billion blow to the state's economy.

Nevada SAR — Six people stranded in subzero weather saved.

By the Numbers

CAP annually conducts **90 percent of inland search and rescue missions** in the continental U.S. as tasked by the Air Force Rescue Coordination Center and other agencies.

550 single-engine airplanes — one of the largest fleets of single-engine piston aircraft in the world.

8,243 aircrew personnel and **4,028 ground team members**.

31,854 qualified personnel trained to federal standards completed **142 disaster relief missions** for federal, state and local agencies.

With aerial photography now CAP's number one emergency services' mission, nearly **80 percent of aircraft are equipped with cameras**.

Air Force Rescue Coordination Center credited CAP's cell phone forensics and radar forensics teams with **30+ saves**.

CAP aircrews flew **1,250 hours during air defense exercises** in 2013, helping prepare fighter units across the country for homeland security missions.

Aircrews conducting **counterdrug and drug interdiction operations** flew 7,017 hours helping law enforcement agencies seize \$442 million in illegal drugs and currency, leading to 247 arrests. CAP aircrews were involved in **188 counterdrug missions** in 2013.

Missions

Cadet Programs

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



Career Exploration

CAP annually offers more than 30 National Cadet Special Activities, ranging in focus from how to fly powered airplanes or gliders to mastery of emergency services skills and techniques.

Flying High

The opportunity to fly is the major attraction CAP offers youth. During 2013, CAP's pilots flew cadets on 32,893 orientation flights.

Encampments

Encampments offer cadets in-depth training in key aspects of the cadet program, enabling them to apply classroom principles to real-world needs.

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.

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 \$300,000 in college and flight scholarships are available to CAP cadets.



Aerospace Ed

Civil Air Patrol's award-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 (AE)** program, consisting of inquiry-based science, technology, engineering and math (STEM) products, annually inspires over 25,000 cadets and about 250,000 K-12 students to pursue those careers.

More than 20,000 youth in 28 states are K-6 **Aerospace Connections in Education (ACE)** program kids. The no-cost program enriches academics, character education and physical fitness with an engaging grade-specific curriculum.

Teacher Orientation Program (TOP) Flights

provide educators the opportunity to experience firsthand the excitement of flying and to expand their aeronautical knowledge, which benefits 25,000 students annually.



STEM Education

More than 30 no-cost aerospace education products and programs generate interest in **S**cience, **T**echnology, **E**ngineering and **M**athematics careers for about 275,000 cadets and youth nationwide.

STEM Kits

Nearly 50,000 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 funded by the National Defense Education Program.

Eye on the Future

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

CyberPatriots

Civil Air Patrol is a leader in the the Air Force Association's All Service Division national high school **CyberPatriot** program. CAP cadets were named national champions in 2011 and 2012, and last year the South Dakota team finished first in competition to operate and secure a basic network.

