



CIVIL AIR PATROL
REPORT TO CONGRESS
citizens serving communities



VERMONT



2014 STATISTICS

Volunteer Members

107 adult members
55 cadets
113 voting-age members
41 aircrew personnel
101 emergency responders

Squadrons

7 locations statewide

Aircraft

2 single engine

Vehicles

8 vehicles

Interoperable Communications

5 VHF/FM repeaters
66 VHF/FM Stations
12 HF Stations

Cadet Flying

33 cadet orientation flights

Total Hours Flown

380.8 total hours flown

Financial

\$60,000 in state funding
\$436K value of wing's volunteer hours

National Commander

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Region Commander

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Wing Commander

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ABOUT CAP

Established Dec. 1, 1941, CAP has evolved into a premier public service organization that carries out emergency service missions when needed – in the air and on the ground. As the congressionally chartered auxiliary of the U.S. Air Force, CAP is there to search for and find the lost, provide comfort in times of disaster and work to keep the homeland safe. Its 59,000 members selflessly devote their time, energy and expertise toward the well-being of their communities while also promoting aviation and related fields through aerospace education and helping shape future leaders through CAP's cadet program.



CAP planes line the tarmac at a spot-landing event in Rutland.

Event Showcases CAP's Aerospace CAPabilities



The Vermont Wing's commitment to one of Civil Air Patrol's core missions, aerospace education, was on display Sept. 28 when the wing hosted a spot-landing event at Rutland-Southern Vermont Regional Airport during a local pancake fly-in hosted by Vermont Aviation and the local Experimental Aircraft Association chapter.

The event provided an opportunity for the flying community to come together to socialize and enjoy the beautiful Vermont fall foliage. Area residents attended the event and had the opportunity to view various aircraft and speak to pilots about general aviation. Local youth attended with their parents to watch the planes take off and land.

As part of the day's activities, the wing held a training session that focused on "spot landing" a plane on a marked point of the runway. Pilots, accompanied by an instructor, honed their skills while the public was able to observe how difficult it often is to "hit the mark." The

event demonstrated the principles of flight, especially in regard to the impact of ground winds on the planes' lift.

Planes and aircrews from across the Northeast Region attended, coming from not only the Vermont Wing but also Maine, Massachusetts, Rhode Island, New York and New Jersey. The turnout illustrated CAP's ability to provide essential resources in case of a major disaster, as was the case with Tropical Storm Irene and Hurricane Sandy.

The Vermont Wing works closely with Vermont Aviation in joint efforts to support aerospace education in a variety of venues, including hosting a glider program in Springfield with support from the state. This program includes two national glider encampments.

The wing's cadet program allows cadets to receive five hours of flight time with orientation pilots while learning the aerodynamics of the airplane.



MISSIONS AND TECHNOLOGY

HIGH-PROFILE MISSIONS

With 550 single-engine airplanes, CAP has one of the largest fleets of single-engine piston aircraft in the world. CAP's air fleet also includes 51 gliders, used to introduce America's youth – and adults alike – to flight. CAP maintains a fleet of 980 vehicles comprised of vans, trucks, sedans and special purpose vehicles. CAP's multimillion dollar communications network includes 7,850 land mobile radio stations and 1,467 long-range high-frequency radios.

- Shadow escort missions to support the U.S. Army's UAV (unmanned aerial vehicle) program.
- Hurricane Arthur damage assessment photo flights.
- Advance flights warning Hawaii residents of Hurricane Iselle's approach.
- Winter and spring flooding missions in the South and Midwest.
- Aerial and ground missions after tornado outbreaks in the South.
- Fire watch flights in multiple states.
- Federal wildlife operations support.
- Damage assessment flights in aftermath of 6.0 magnitude earthquake in California.

High-profile missions for Civil Air Patrol in 2014 included relief operations following natural disasters all across the United States.



BY THE NUMBERS

Civil Air Patrol annually conducts 85 percent of inland search and rescue missions in the continental U.S. as tasked by the Air Force Rescue Coordination Center and other agencies. CAP members were involved in 669 search and rescue missions in 2014 and were credited by the AFRCC with saving 85 lives.

- **8,829 aircrew personnel** and **3,868 ground team members** are available for Civil Air Patrol missions.
- **30,548 qualified personnel** trained to federal emergency response standards completed **64 disaster relief missions** for federal, state and local agencies.
- CAP aircrews flew **90,000+ hours** in 2014, 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 volunteers, cost only **\$120 to \$165 per flying hour**, saving millions of dollars over other aviation options.
- CAP aircrews flew **1,289 hours on 226 air defense exercise missions** helping prepare fighter units across the country for homeland security missions both at home and abroad.
- Aircrews conducting counterdrug and drug interdiction operations flew **7,254 hours** helping law enforcement agencies seize **\$1.28 billion** in illegal drugs and currency, leading to **530 arrests**.
- In all, CAP members provided more than **\$158 million in volunteer service** to the **1,500 communities** it supports nationwide.
- CAP's well-proven geo-tagging photo capability, both in the air and on the ground, is in high demand by FEMA nationwide.
- The Air Force Rescue Coordination Center credited CAP's cell phone forensics and radar analysis teams with **50+ lives saved**.

CIVIL AIR PATROL



CADET PROGRAMS



TRANSFORMING YOUTH INTO DYNAMIC AMERICANS AND AEROSPACE LEADERS.

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

CORE VALUES

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

COMMUNITY SERVICE

CAP cadets serve their communities in many 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 50 states 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.

CAREER EXPLORATION

Through more than 30 annual National Cadet Special Activities cadets 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 other opportunities.

FLYING HIGH

The opportunity to fly is a major attraction CAP offers youth. During 2014, CAP's pilots flew 29,202 cadets on 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.



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/STEM EDUCATION 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 350,000 K-12 students nationwide.

CAP STEM KIT PROGRAM

Nearly 90,000 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 to CAP units and classrooms.

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.

EYE ON THE FUTURE

The Air Force Associations CyberPatriot program, complemented by CAP's cyber security educational materials and the Cyber Familiarization Course, is grooming participants for future cyber security careers.

Civil Air Patrol is a leader in the All Service Division national middle/high school **CYBERPATRIOT** program. CAP cadets were named national champions in 2011 and 2012, and in 2013 the South Dakota team finished first in competition to operate and secure a basic network. In 2014, the California middle school team won the inaugural National Middle School Championship.

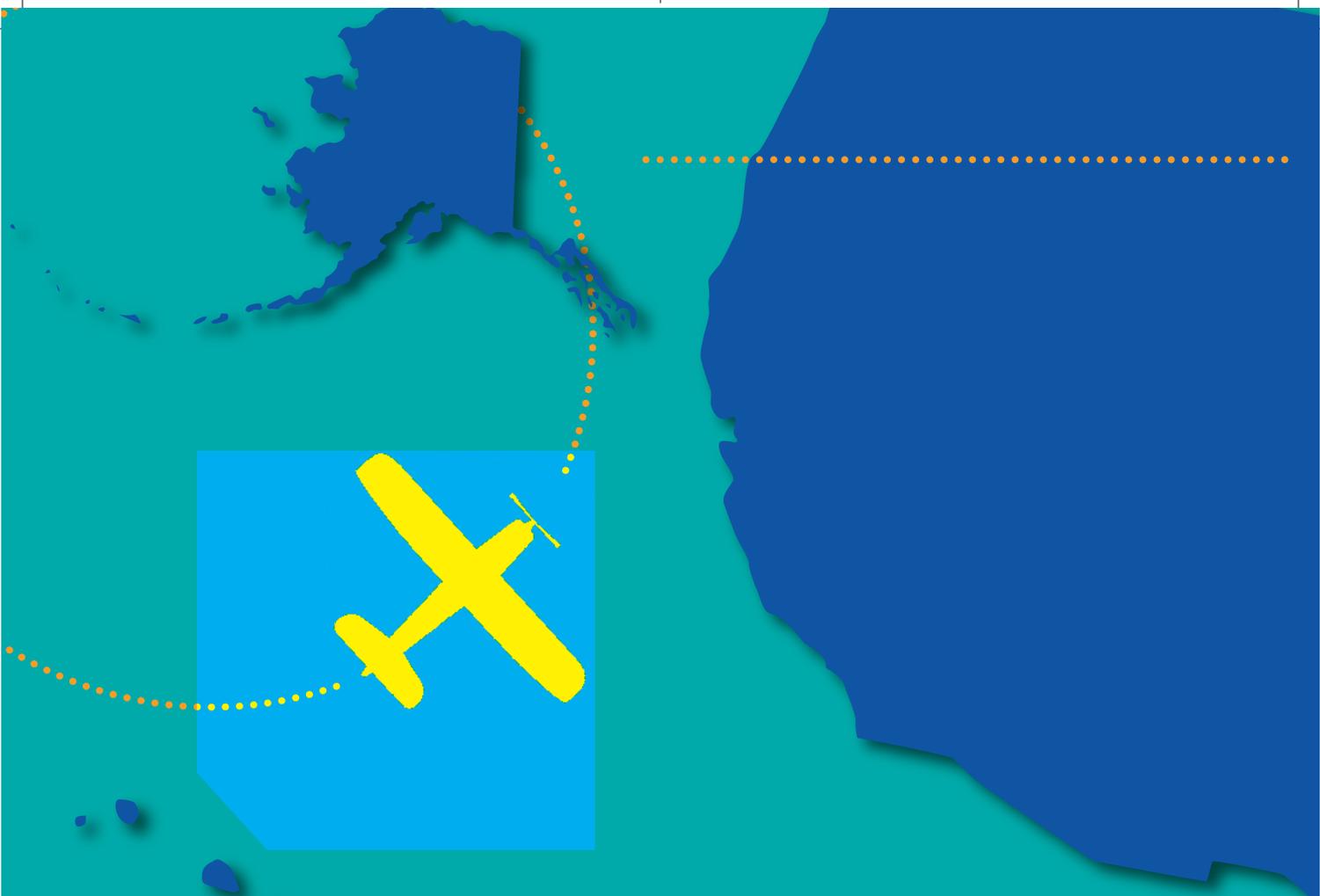
HEAD OF THE CLASS

About 17,000 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.



CIVIL AIR PATROL





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

