



CIVIL AIR PATROL  
**REPORT TO CONGRESS**  
*citizens serving communities*



NEW JERSEY

# 2014 STATISTICS

## Volunteer Members

570 adult members  
634 cadets  
655 voting-age members  
90 aircrew personnel  
613 emergency responders

## Squadrons

28 locations statewide

## Aircraft

7 single engine

## Vehicles

15 vehicles

## Interoperable Communications

6 VHF/FM repeaters  
93 VHF/FM Stations  
20 HF Stations

## Missions

6 search and rescue missions  
2 finds  
10 other state support missions

## Cadet Flying

713 cadet orientation flights

## Total Hours Flown

1,059.5 total hours flown

## Financial

\$3.7M value of wing's volunteer hours

## Wing Info:

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## National Commander

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## Region Commander

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## Wing Commander

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## Government Relations Advisor

Lt. Col. Wayne G. Fox  
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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.



*New Jersey cadets and officers participate in CAP's model rocketry program.*

## New Jersey Wing Challenges Youth to Pursue STEM Education



The United States is in need of science, technology, engineering and math (STEM) experts. Yet America's youth are lagging in STEM interest, competence and career pursuit in an era of intensifying high-tech global competition.

The New Jersey Wing is doing its part to counter that trend. The wing's involvement with educational programs is aligned with national academic standards pertaining to robotics, remotely piloted aircraft, satellite tracking and imagery, rocketry and cyber security that help inspire youth toward technological careers that will help America maintain its aerospace supremacy and national security.

Nationally, Civil Air Patrol addresses America's need for student interest in STEM-related subjects by creating a unique kit program that offers hand-on, inquiry-based learning. This past year, the New Jersey Wing received

STEM kits for flight simulation, model rocketry, robotics, astronomy and remote-controlled model aircraft. The wing prides itself on participation in the program by all 28 squadrons. Wing cadets have responded with new enthusiasm for STEM subjects and careers.

Many of the wing's units also participate in the Air Force Association's CyberPatriot cyber security program and have won several prestigious awards. The program stimulates America's youth toward 21st century occupations to help the U.S. preserve its integrity and security in an ever-expanding technological world.

President Barack Obama has said, "Science is more essential for our prosperity, our security, our health, our environment and our quality of life than it has ever been." Continuation of these programs offers a unique opportunity for New Jersey's cadets – the leaders of tomorrow.

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# 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**.

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# 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.

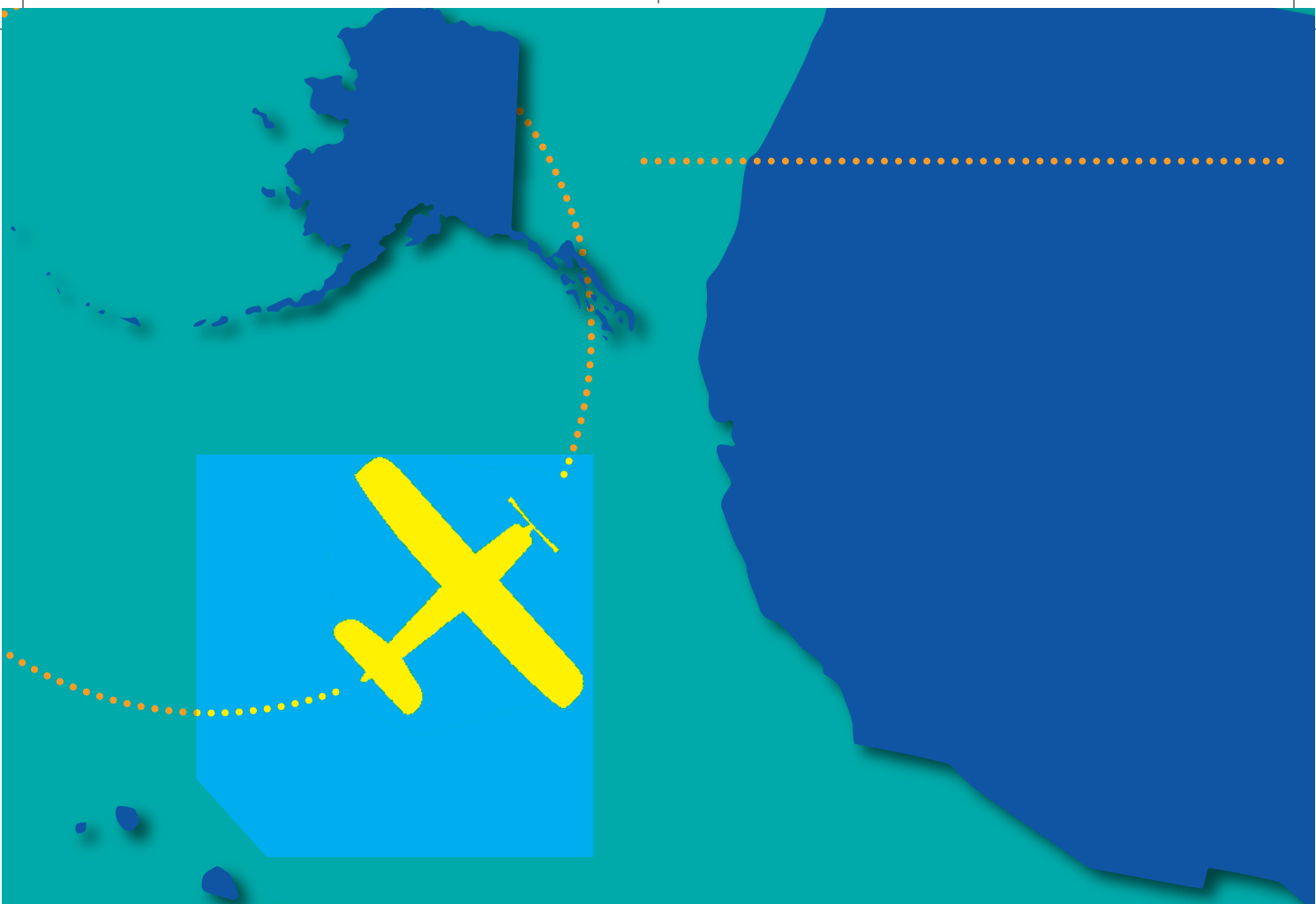
## HEAD OF THE CLASS

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.



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# 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](http://www.GoCivilAirPatrol.com)

