



# CIVIL AIR PATROL

*THE AUXILIARY OF THE UNITED STATES AIR FORCE*

**EMPOWERING OUR PEOPLE**

**ENRICHING OUR COMMUNITIES**



**THE 1998 ANNUAL REPORT TO CONGRESS**

Civil Air Patrol, the United States Air Force Auxiliary, is a nonprofit organization. It performs more than 85 percent of inland search and rescue missions coordinated by the Air Force Rescue Coordination Center at Langley Air Force Base, Virginia. Volunteers also take a leading role in aerospace education and serve as mentors to America's youth through CAP cadet programs. For more information about Civil Air Patrol programs, call 1-800-FLY-2338.

# letter to Congress

## To the Congress of the United States of America



JAMES C. BOBICK  
Brigadier General, CAP  
National Commander

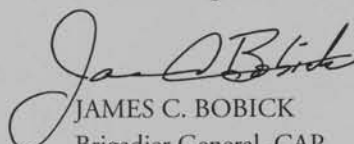
In December 1998, Civil Air Patrol celebrated its 57th year as one of America's most active volunteer humanitarian organizations. The myriad of specialized services provided to the American people — from dangerous coastal patrol missions during World War II to today's search and rescue of downed aviators coupled with our most fulfilling work of providing leadership/management principles and guidance to America's youth — remains a constant source of inspiration to the 60,000-plus CAP members.

Over the past year, Civil Air Patrol continued to flourish. The organizational milestones were remarkable and our achievements many. In our three primary operational areas — Cadet Programs, Aerospace Education and Emergency Services — our empowered membership focused on successfully enhancing the communities in which they live. Highlights of the year were:

- 50 years of dedicated service as the U.S. Air Force Auxiliary
- Saving 116 lives during search and rescue operations
- Hosting the 31st National Congress on Aviation and Space Education in St. Louis and assisting in the education of more than 300,000 school children
- In partnership with the Soaring Society of America, CAP introduced flight principles and actual flight training to youth across the nation
- Distributing more than 40,000 pieces of free educational literature on aerospace to school teachers nationwide
- Membership increased by 3,700
- Senior membership grew to a six-year high of nearly 35,000 members
- Cadet membership hit an eight-year high with almost 26,000 members
- Nationwide need for emergency services brought on by a battery of ice storms, tornadoes, drought, hurricanes, floods and major fires placed our volunteers in the middle of response efforts from coast to coast
- Counterdrug efforts helped stem the flow of more than \$2.8 billion in illegal drugs

On behalf of CAP's 60,000 members and as required by Public Law 79-476, I submit this 1998 Civil Air Patrol Annual Report to Congress. Along with this submission, I send my heartfelt thanks for making possible the partnership between CAP citizen-volunteers, our U.S. Air Force and the members of the United States Congress.

Warmest regards!

  
JAMES C. BOBICK  
Brigadier General, CAP  
National Commander



HQ CIVIL AIR PATROL-UNITED STATES AIR FORCE  
OFFICE OF THE COMMANDER  
MAXWELL AIR FORCE BASE, ALABAMA

The United States Air Force and its auxiliary, the Civil Air Patrol (CAP), stand on the threshold of a renewed and strengthened relationship. An outline of steps necessary to realize this opportunity can be found in the joint Air Force-Civil Air Patrol report on the funding policies, procedures, and relationship between the two organizations, which was submitted at the request of Congress in December 1998. I look forward to the many opportunities this process will bring and trust there is a bright future ahead.

CAP can be proud of its many accomplishments during its 50th year as the Air Force Auxiliary. As is its hallmark, CAP provided valuable services to the nation in the areas of emergency services and aerospace education. Continued growth in the cadet program was particularly noteworthy and will surely yield dividends to the nation because of the program's citizenship aspects.

The Air Force commends the spirit of volunteerism and community service displayed by the 60,000 members of approximately 1,700 CAP units nationwide. During the 57 years of CAP's existence, these traits have always been the bedrock of the organization's strength. Notwithstanding the challenges ahead, this strength will endure and sustain the national asset CAP has become.



DENNIS B. PARKHURST  
Colonel, USAF  
Commander, CAP-USAF



DENNIS B. PARKHURST  
Colonel, USAF  
Commander, CAP-USAF



CHIEF OF STAFF  
UNITED STATES AIR FORCE  
WASHINGTON

2 July 1998

Dear Civil Air Patrol Members

It is with great pride I extend to the more than 59,000 members of the Civil Air Patrol my best wishes and congratulations on your 50-year anniversary as the official Air Force Auxiliary.

I salute you and the thousands of volunteers who served before you, for your sacrifice and dedication — both on the ground and in the air. From saving the lives of downed aviators, to guiding and teaching our youth and expanding aerospace education in America's schools, your contributions are immeasurable by any standards.

I am certain we will be able to count on you in the year ahead, and wish you continued success as the official Air Force Auxiliary.



MICHAEL E. RYAN  
General, USAF  
Chief of Staff

search and rescue,  
disaster relief,  
emergency services.



116  
lives saved





## \$1 million savings to the United States Air Force

three-percent higher graduation  
rate from the Air Force Academy.



more than 300,000 youth  
learn aerospace education.

more than 6,600 missions  
totaling almost 42,000 hours  
of counterdrug operations.



\$2.8 billion in  
illegal drug eradication



men, women, boys and girls  
contributing their time and  
talents to help others.



More than 60,000  
volunteers empowered





Savings to taxpayers –  
\$53 million



every community benefits.

# empowering people enriching communities

As a humanitarian and educational nonprofit organization, Civil Air Patrol has made great strides in modernizing its operations over the past year. Civil Air Patrol has begun to implement technological advances to enhance mission efficiency. The Internet has allowed CAP to begin to standardize procedures within all 52 wings and to provide a platform for information exchange among the 60,000 members, regions, wings and National Headquarters. CAP has made a continued commitment to harnessing those technological tools that will better empower every member to meet the challenges of the new century.

## Civil Air Patrol, Air Force mark 50-year relationship

May 26, 1998, marked a special day in the relationship between Civil Air Patrol and the U.S. Air Force. On that day 50 years earlier, Congress signed Public Law 557 designating Civil Air Patrol as the volunteer civilian auxiliary of the U.S. Air Force. For a half century, Civil Air Patrol has carried out noncombat missions on behalf of the U.S. Air Force.



These noncombat missions include inland search and rescue within the continental United States. The Air Force coordinates these missions, and Civil Air Patrol carries out 85 percent of the searches.

When an 86-year-old woman became lost in the Ozark

Mountains of Missouri, it was CAP members who found her after a two-day search. This is but one example of the community service Civil Air Patrol performs on behalf of the U.S. Air Force. Others include, search-and-rescue missions for small civilian aircraft, missing person searches, tracking emergency-

locator- transmitter signals, and damage assessment in times of disaster.

## A volunteer force

Civil Air Patrol utilizes its most important asset to carry out all missions – the membership! The more than 60,000 unpaid CAP volunteer members come from all walks of life. They come from every state in the nation, as well as from Puerto Rico and the District of Columbia, to serve America and enrich their local communities through a wide variety of missions. They volunteer their time, efforts, and personal resources to help others.

At the close of fiscal year 1998, membership in CAP reached 60,368, a gain of almost 3,700 members over last year and the highest total since November 1990. Cadet membership was 25,860, the highest since March 1990. Senior membership was 34,508, the highest since December 1992.





## Mission resources

### Aircraft

The passage of the General Aviation Revitalization Act of 1994, allowed Civil Air Patrol to take delivery of 20 new Cessna Skyhawks during fiscal year 1997-98.

This came at a critical time for Civil Air Patrol. Since the manufacturers of light aircraft had ceased production in the early 1980s, CAP's fleet of 530 aircraft had continued to age. The 20 new Skyhawks allowed CAP to replace the oldest planes in the fleet and prepare to upgrade others.

The first 10 Skyhawks were picked up at Cessna's Delivery Center in Independence, Kansas, in late November 1997; Civil Air Patrol took delivery of the other 10 during the following two months.

Technological advances in aircraft equipment often require CAP aircrews to carry more equipment while conducting search-and-rescue and damage-assessment flights. To increase the useful load capacity of the new Cessna 172Rs, CAP decided to upgrade the aircraft from 160 hp to 180 hp.

The first four aircraft upgrades were completed by the end of 1998, with the remaining 16 recently purchased aircraft slated for modifications in early 1999.

### Vehicles

An integral part of Civil Air Patrol's mission resources is its fleet of 950 vehicles. CAP vehicles are used throughout the organization to move people and property during missions.

Daytime Running Lights (DRLs) were approved for CAP's vehicle fleet during 1998.

With a proven track record, the DRLs will greatly enhance the visibility and safety of vehicles engaged in CAP operations.

### Stakeholders share in risk management

Preserving Civil Air Patrol resources is a priority. To that end, measures were taken in 1998 to ensure that every active CAP member became a stakeholder. Special emphasis was given to integrating Operational Risk Management (ORM) into all Civil Air Patrol activities. By empowering every member to identify hazards and analyze risk, CAP activities are successfully completed at the least possible cost. ORM tutorials and presentations on risk management integration within CAP were developed and made available on the CAP web site.

A detailed training curriculum was developed in 1998 for the volunteer safety officers across the country to enhance their performance during emergency-services activities. Besides being fully versed in Operational Risk Management, mission safety officers receive training in first aid and CPR, blood-borne pathogens and all other duties essential to keeping a mission base safe and effective.

Much of CAP's airborne operations are conducted in mountainous areas. To counter the increased risk, course materials were developed for mountain flying clinics. All CAP pilots will be better prepared to manage risk in this challenging mission area.

As CAP's service to America expands, the membership is continually reminded to maintain a vigilance against risks. An enviable safety record reflects that challenge is being met.

### Radio communications

Due to the nature of its missions, CAP's communications system may be expected to provide air, ground and point-to-point connectivity at any location in the country no matter how remote. Emergency-services teams must be prepared to operate in any location at any given time. A vital component to the success of any mission is the ability of the

team members to communicate.

Mobile ground search-and-rescue teams are linked to mission coordinators and search aircraft. Mission bases are linked to the CAP National Operations Center at Maxwell Air Force Base, Alabama, and to outside command centers such as the Air Force Rescue Coordination Center, Langley Air Force Base, Virginia; the Air Force National Security Emergency Preparedness Office, Fort McPhearson, Georgia; and the Federal Emergency Management Agency National Emergency Coordination Center, Washington, D.C. Often against incredible obstacles, CAP communicators rise to the challenge and design and operate networks and systems that reach out to every corner of the nation.



### National Technology Center

The CAP National Technology Center (NTC) was established in 1997 as a communications and computer resource clearing-house. The NTC works with several federal agencies to re-utilize excess electronics equipment. By extending the life of taxpayer-purchased assets, the NTC not only helps support the equipment needs of CAP, but also provides a valuable service to the country. In addition, NTC technicians have processed and even manufactured specialty items for our communications system. To date, over \$1 million in critical communications assets are in the hands of those public



servants who need them. In this way, CAP is literally doing more with less.

### Supplies and equipment

Civil Air Patrol operates a Supply Depot in Amarillo, Texas, that carries a large supply of aircraft parts and equipment at a discount to members who volunteer their own aircraft for CAP missions. In addition, CAP members may secure survival equipment, aerospace education material, and communications equipment through the Depot at significantly reduced prices.

Members may purchase uniforms, accessories, CAP memorabilia, publications, and regulations from the Civil Air Patrol Bookstore on Maxwell Air Force Base.

### On-line services

In an effort to better integrate technology into its business practices, CAP expanded its web-based services for the membership during 1998. New financial and personnel systems have been designed and are available to the 60,000 CAP members via the world wide web. Members may access regulatory information via CAP's home page. Further utilization of the Internet will result in better accountability and mission accomplishment for all of CAP.

"Harnessing technological tools will help us meet the ever-changing requirements of our customers."

— Brig. Gen. James C. Bobick, CAP  
National Commander



# member recognition

Membership in Civil Air Patrol offers many benefits, including the opportunity for individuals to expand their knowledge and skills in many disciplines. While a member learns, he not only increases opportunities for himself, he also expands the horizons of Civil Air Patrol. Civil Air Patrol's National Recognition Program honors members who set their sights on the future and take action to move Civil Air Patrol forward, with a clear vision of what lies ahead.

Thirteen Civil Air Patrol volunteer members received national recognition during CAP's Annual Convention at the Atlanta Hilton and Towers, August 13-15.

Frank G. Brewer Jr., 82, presented The Frank G. Brewer-Civil Air Patrol Memorial Aerospace Award to four recipients: Lt. Col. David L. Garner, from Tennessee, received the Senior Member Brewer Award; Cadet Col. Bethany Anne Torma, Michigan, Cadet Brewer Award; Oregon Air and Space Museum, Organizational Brewer Award; and Lt. Col. William H. Turner Jr., Arizona, Individual Brewer Award.

The Frank G. Brewer-Civil Air Patrol Memorial Aerospace Award is the highest CAP award given individuals and organizations within and outside of CAP who have made exceptional contributions to the advancement of youth in aerospace activities.

Civil Air Patrol honored two of its top

horizon seekers with special recognition for CAP senior and cadet members of the year. Cadet Col. Tammy J. Blevins, Maryland, was named Cadet of the Year, and Maj. Stephen R. Kohler, Wisconsin, received the Senior Member of the Year award. Both volunteers received one-year memberships in the Air Force Association and a commemorative plaque.

Lt. Col. Gary D. Boyd, commander of Idaho Wing's Coeur d'Alene Composite Squadron, received the prestigious F. Ward Reilly Leadership Award. This honor is bestowed annually to the commander of the Civil Air Patrol Squadron of Distinction. The award is presented in recognition of the commander's exemplary leadership skills. This is the second time in the past three years Lt. Col. Boyd has received this award.

Other award winners include Lt. Col. Karen L. Copenhaver, Virginia, Col. Bud V. Payton Public Affairs Officer of the Year; Lt. Col. Elizabeth R. Curry, Wisconsin, Communicator of the Year; and Maj. James Zuelsdorf, Wisconsin, Safety Officer of the Year.

Civil Air Patrol also honored three of its chaplains. Chaplains (Lt. Cols.) William Sanford and Carl Kerr shared Senior Chaplain of the Year honors. Chaplain Kerr, from Missouri, is the North Central Region chaplain, and Chaplain Sanford is the Southwest Region Chaplain. Chaplain (Capt.) Errico Ianniello, New Jersey, was named Squadron Chaplain of the Year.



## HORIZONS

Twentieth Century theologian and educator Edgar F. Magnin once said: "You are the one who can stretch your own horizon." Successful people always keep their eyes on the horizon — "stretching" to the limit.



# manpower study of national headquarters

During 1998, Civil Air Patrol's board of directors commissioned an independent study of its headquarters' organization. The study addressed:

1. The efficiency and effectiveness of headquarters' functions to contribute to the stated primary missions.
2. The level of customer satisfaction with headquarters' services, emphasizing grassroots units and individual members.
3. Working relationships internally and with the U.S. Air Force in support of overall missions.
4. The appropriateness of headquarters' organization, staffing, management and pay structure to meet the required tasking.

William M. Mercer, Incorporated, was selected for the study. The Mercer group was selected for its experience and expertise with volunteer organizations. During a six-week period in October and November, the Mercer group reviewed all written material requested from and provided by CAP; conducted extensive interviews of all headquarters personnel at director level or above; held five mapping sessions of key member service processes; conducted telephone interviews of ex-employees, wing commanders and regional leadership, as well as a random selection of the membership, to ascertain their opinions on a number of key topics. Informal conversations were also held with headquarters and non-headquarters personnel.

The study resulted in the following findings:

- CAP headquarters' services were excellent. Despite the constraints of a small staff and a tight budget, headquarters' staff was flexible enough to meet the basic requirements of CAP missions.

- Region/wing commander interviews were, on the whole, positive about the role of headquarters' services to the field. There were numerous suggestions for improvements, centering around responsiveness to board members, clear communications, clarity of roles between headquarters and board members and members' expectations for service levels. Their major concern for the future of CAP was continued federal funding through the Air Force.
- The interviews with general members were positive about headquarters' support. The interviews revealed that members primarily relate to their own units rather than to the overall Civil Air Patrol.
- The mapping processes found insufficient staff to process the enormous amounts of paper and an almost total absence of technology-based systems that could speed these processes. The entire operation is understaffed for the amount of work expected. Real improvements will come only by automating these processes.
- For compensation analysis, Mercer reported current CAP base salaries are at 86.9 percent of the market median rates for the headquarters' location in Montgomery, Alabama, and 75 percent of the market median rates in Washington, D.C.

In conclusion, the Mercer study found the Civil Air Patrol National Headquarters staff a well-managed and extremely committed group who are achieving levels of customer service far in excess of the systems with which they must work. Current organization was appropriate for the tasks, and compensation was below market median.



# empowering people — three missions

The U.S. Congress established Civil Air Patrol to encourage and aid citizens in contributing to the public welfare and to provide aviation education and training to its members and local communities. That charter also outlined ambitions to provide an organization of private citizens to assist in meeting local and national emergencies. To that end, Civil Air Patrol established three key operational areas — Emergency Services, Cadet Programs and Aerospace Education — to carry out its congressionally chartered missions.

## Emergency services

Growing from its World War II experience, the Civil Air Patrol has continued to strive to save lives and alleviate human suffering through a myriad of emergency-services and operational missions.

### Search and rescue

Perhaps best known for its search-and-rescue efforts, CAP flies more than 85 percent of all federal inland search-and-rescue missions directed by the Air Force Rescue Coordination Center at Langley Air Force Base, Virginia. Outside of the continental United States, CAP supports the Joint Rescue Coordination Centers in Alaska, Hawaii and Puerto Rico. Just how effective are the CAP missions? More than 100 people are saved every year by CAP members!

### Disaster relief

Often overlooked, but vitally important, is the role CAP plays in disaster-relief operations. CAP provides air and ground transportation and an extensive communications network. Volunteer members fly disaster-relief officials to remote locations, and support local, state and national disaster relief organizations with manpower and leadership.

In fact, CAP has formal agreements with

many government and humanitarian relief agencies such as the American Red Cross, Federal Emergency Management Agency, Federal Aviation Administration, National Transportation Safety Board and the U.S. Coast Guard.

### Humanitarian services

CAP flies humanitarian missions, usually in support of the Red Cross, transporting time-sensitive medical materials including blood and human tissue in situations where other means of transportation are not possible.

### Air Force support

It's hardly surprising that CAP performs several missions in direct support of the U.S. Air Force. Specifically, CAP conducts light transport, communications support, and low-altitude route surveys. CAP flew 3,453 sorties supporting orientation flights for AFROTC cadets. Joint U.S. Air Force and CAP search- and-rescue exercises provide realistic training for deadly serious missions.

### Counterdrug

CAP joined the "war on drugs" in 1986 when, pursuant to congressional authorization, CAP signed an agreement with the U.S. Air Force and U.S. Customs Service offering CAP resources to help stem the flow of drugs into and within the United States.



## Aerospace education

America's love of manned flight started with the Wright brothers and continues unabated in the 20th century. World War II showcased the important role aviation would play in the future, and national leaders recognized the importance of stimulating public interest in aerospace activities.

CAP, as the civilian auxiliary of the U.S. Air Force, was most suited to perform this mission. Efforts focused on two different audiences — internal CAP members and the general public.

The internal programs ensure that all CAP members have an appreciation for and knowledge of aerospace issues. A rigorous educational program is offered at every level of the CAP organization.

Aerospace educators at CAP's National Headquarters at Maxwell Air Force Base, Alabama, provide materials that reflect the highest standards of educational excellence.

The congressional charter also tasked CAP to stimulate public interest in aerospace issues. These external programs are primarily conducted through our nation's education systems.

Each year, CAP supports more than 100 workshops in colleges and universities across the nation, reaching more than 3,000 educators. These workshops highlight basic aerospace knowledge and focus on advances in aerospace technology. Textbooks, learning tools and visual aids geared to stimulate

interest in aerospace matters also are provided for teachers to use in their classrooms. Started in 1951, these workshops have reached hundreds of thousands of teachers and students across the nation.

## Cadet programs

During World War II, CAP trained thousands of young men to fly before they joined the Army Air Corps. This training, coupled with positive values instilled by role models, resulted in a pool of aviators virtually ready to do battle. After the war, the success of the wartime cadet program convinced Congress that a peacetime cadet program would yield great dividends.

For the past half-century, CAP's Cadet Programs has provided young people between 12 and 20 the opportunity to develop leadership skills through their interest in aviation. For many, it has also offered them the opportunity to learn to fly.

A knowledge of aerospace-related information is one of the pillars of the program. Cadets progress at their own pace through a 15-step program including aerospace education, leadership training, physical fitness, and moral leadership.

As cadets make progress, they have the opportunity to take part in a wide range of activities including encampments on military bases, orientation flights, and a variety of national and international activities.

Through its National Scholarship Program, CAP provides scholarships for cadets to further their studies in such areas as engineering, science and aircraft mechanics. Scholarships leading to solo flight training are also available.

The U.S. Air Force recognizes the high standards the cadets must meet. A CAP cadet who achieves the Gen. Billy Mitchell Award may enlist in the Air Force as an E-3 (airman first class) instead of an airman basic. CAP cadets are also well represented at the U.S. Air Force Academy. Usually 8-10 percent of the academy class is composed of former CAP cadets.



# Civil Air Patrol events

To ensure its members are empowered to meet the challenges of volunteer service, Civil Air Patrol supports a number of national events each year — workshops for school teachers, activities for cadets, and emergency services and counterdrug training for adult members. Civil Air Patrol also supports two general meetings of its governing board, one which is held in conjunction with Civil Air Patrol's Annual Convention for members.

## Board meeting and annual convention

Air Force Chief of Staff General Michael E. Ryan was keynote speaker at CAP's 1998 Annual Convention at the Atlanta Hilton and Towers, August 13-15.

The Chief of Staff helped Civil Air Patrol celebrate its 50th anniversary as the official auxiliary of the U.S. Air Force. Deputy Assistant Secretary of the Air Force for Reserve Affairs Bryan E. Sharratt also addressed more than 1,000 CAP volunteers gathered for this three-day meeting and more than 50 seminars and workshops. Conference sponsors included Cessna Aircraft, National Business Aviation Association, II Morrow, Luscombe Aircraft and Socata Groupe Aerospatiale.

## Selection of new officers

Civil Air Patrol leaders elected Brig. Gen. James C. Bobick as the Air Force Auxiliary's national commander during CAP's 52nd National Board Meeting and Annual Convention in Atlanta, Georgia.

Bobick stepped into Civil Air Patrol's top post in March, when he was appointed to complete the term of the former national commander, who resigned for personal reasons.

Civil Air Patrol's National Board members confirmed the following members to serve on its National Executive Committee:



- Col. Richard L. Bowling, Knoxville, Tennessee, National Vice Commander;
- Col. Joseph D. McMillan, Kansas City, Missouri, Chief of Staff;
- Col. David N. Simmons, Denver, Colorado, National Legal Officer;
- Col. Larry D. Kauffman, Mt. Holly, New Jersey, National Finance Officer;
- Col. Andrew E. Skiba, Tampa, Florida, National Controller;
- Chap. (Col.) James E. Moore, Lakewood, Colorado, National Chief of Chaplain Services;
- Col. Joseph C. Meighan Jr., Knoxville, Tennessee, Commander, Southeast Region; and
- Col. Sheila J. Waldorf, Anamosa, Iowa, Commander, North Central Region.

## Recognition of Commitment

"You can reflect with pride on your continued commitment to the United States Air Force, to educating your members and the public about aerospace technology, and to giving our young people the opportunity to develop leadership and aviation skills through your successful Cadet Program."

—President Bill Clinton



# opportunities for school teachers



In 1998, Civil Air Patrol supported 114 workshops to develop and enhance the educational skills of teachers. The workshops were held at 78 educational institutions in 42 states.

## National Congress on Aviation and Space Education

In March 1998, more than 800 educators traveled to St. Louis, Missouri, for the 31<sup>st</sup> National Congress on Aviation and Space Education. The Congress is the premier aerospace education event in the nation and is one of CAP's major contributions to aviation and space progress in America. Teachers attending the 1998 Congress met astronauts, research pilots, astronomers, physicists, and expert educators. The speakers presented information and demonstrations on how teachers can effectively motivate their students and prepare them to deal with an increasingly complex world. During the 31<sup>st</sup> Congress, 90 master teachers from across the nation and overseas demonstrated individualized training techniques using aerospace themes. Seventeen aerospace experts lectured on topics ranging from the origins of the universe to exploration on Mars using a remote-controlled vehicle. Thirty-seven exhibitors provided materials, information and displays of innovative educational products. More than 5,000 hours of volunteer time and thousands of dollars in resources were donated to support this event.

**Southern Illinois University**  
Edwardsville, Ill.

**Purdue University**  
West Lafayette, Ind.

**Selfridge Air National Guard**  
Mount Clemens, Mich.

**NASA Research Center**  
Cleveland, Ohio  
Cosponsor: Ohio Aerospace Institute

**University of Dayton**  
Dayton, Ohio  
Cosponsors: United States Air Force Museum  
Wright-Patterson Air Force Base

**University of Toledo**  
Cleveland, Ohio  
Cosponsor: College of Education and Allied Professions

**University of North Carolina**  
Chapel Hill, N.C.  
Cosponsor: North Carolina School of Education

**College of Charleston**  
Charleston, S.C.  
Aerospace Education Foundations for the School Curriculum  
Cosponsor: Lexington School District #1

**Southwest Virginia Community College**  
Wheeling, W.V.  
Integrated Math, Science and Technology Professional Development Institute  
Bioblast Software, Activities, and Assessment  
Astronomy Village: Investigating the Universe  
Cosponsors: Center for Educational Technologies  
NASA Classroom of the Future

**Drake University**  
Camp Dodge-Johnston, Iowa  
The Sky is not the Limit

**Fort Hays State University**  
Hays, Kan.

**Kansas State University**  
Manhattan, Kan.

**University of Minnesota**  
Minneapolis, Minn.

**Elementary and Science Center**  
Paramus, N.J.  
Teacher Training Workshops and Student Groups

**Camden County College**  
Camden, N.J.

**Educational Information and Resource Center**  
Sewell, N.J.  
Rogate Academic Interest Lectures, Model Congress Activities, Space Science Programs, Symposium for the Arts, National Engineering Design Challenge  
Cosponsor: The National Talent Network

**Kean University of New Jersey**  
Union, N.J.  
Ongoing Teacher Training Workshops  
Cosponsor: Earth Systems Center

**Mercer County College Flight Club**  
Trenton, N.J.

**NASA Teacher Resource Center**  
Lakewood, N.J.

**Northeast Curriculum Development Center**  
Aberdeen, N.J.

**Port Authority of New York /New Jersey**  
Newark International Airport, N.J.  
Annual Two-Day Aviation Education Expo

**Space Studies Institute**  
Princeton, N.J.  
Advanced Aerospace Education Workshop  
Bi-Annual Conference



# Events

**Hofstra University**  
Hempstead, N.Y.

**Canisius College**  
Buffalo, N.Y.

**National Space Society  
Education Chapter**  
New York, N.Y.  
Space Education Conference

**Indiana University  
of Pennsylvania**  
Indiana, Pa.

**Millersville State University**  
Dallastown, Pa.  
Easton, Pa.

**Kutztown University**  
Douglassville, Pa.

**Temple University**  
Philadelphia, Pa.

**NASA Ames Research Center**  
Vandenberg Air Force Base, Calif.  
NOAA-K/Titan II Educator's Launch  
Conference

**Fresno State University**  
Fresno, Calif.

**San Jose State University**  
NASA Ames Research Center,  
Calif.  
29th Annual Space Down To  
Earth Workshop

**Challenger Center**  
Merced, Calif.  
Ongoing Workshops

**University of Nevada  
at Las Vegas**  
Las Vegas, Nev.

**Community College  
of Southern Nevada**  
North Las Vegas, Nev.  
Reno, Nev.

**Oregon Museum of Science  
and Industry**  
Portland, Ore.

**University of Colorado**  
U.S. Space Command  
Advanced Aerospace Education  
Workshop  
Space Technology and Biomedical  
Research

**Adams State College**  
Alamosa, Colo.  
Ground School for Teachers

**University of Colorado**  
U.S. Air Force Academy  
Colorado Springs, Colo.  
Living In Space/Basic Rocketry  
Aviation and Space Basics

**University of Montana**  
Missoula, Mont.  
Cosponsor: Target Range Middle  
School

**Alabama Education  
Association**  
Montgomery, Ala.  
Alabama Aerospace Week Kick-  
off Teachers Workshop

**Bob Jones High School**  
Huntsville, Ala.  
Alabama Aerospace Teachers  
Association Conference

**The University  
of South Alabama**  
Fairhope, Ala.  
NSE 403 Aerospace Education  
NSE 501 Aerospace Education  
(Advanced)

**Research and In-Service  
Center**  
Mobile, Ala.

**Athens State University**  
Athens, Ala.  
Aerospace Certification for  
Educators Program  
Blastoff!  
Cosponsor: North Alabama  
Teachers Exchange

**Troy State University**  
Troy, Ala.  
Aerospace Certification Program  
Blastoff!

**Auburn University**  
Auburn, Ala.  
Aerospace Certification for  
Educators Program Blastoff!

**Auburn University at  
Montgomery**  
Montgomery, Ala.  
Aerospace Certification for  
Educators Program Blastoff!

**University of Alabama at  
Birmingham**  
Birmingham, Ala.

**Calhoun State University**  
Huntsville, Ala.  
Aerospace Certification for  
Educators Program

**Jacksonville State University**  
Jacksonville, Ala.  
Advanced Aerospace Education  
Workshop

**Sun 'N' Fun**  
Lakeland, Fla.

**Embry Riddle  
Aeronautical University**  
Daytona Beach, Fla.  
Aviation Foundations for  
Elementary and Secondary  
Teachers  
Math Applications Using Aviation  
for Elementary and Secondary  
Teachers  
Advanced Aviation

**State University  
of West Georgia**  
Carrollton, Ga.

**Gordon Georgia Youth  
Science and Technology  
Center**  
Milner, Ga.

**Oconee River Georgia Youth  
Science and Technology**  
Winterville, Ga.

**Southern Tech**  
Atlanta, Ga.

**William Carey College**  
Hattiesburg, Miss.  
Keesler Air Force Base, Miss.

**Puerto Rico Department  
of Education**  
Villa Carolina, Carolina, Puerto  
Rico

**East Tennessee State  
University**  
Johnson City, Tenn.  
Advanced Aerospace Education  
Workshop

**University of Memphis**  
Memphis, Tenn.

**Middle Tennessee State  
University**  
Murfreesboro, Tenn.

**University of Tennessee**  
Knoxville, Tenn.

**Northeast Louisiana University**  
Monroe, La.  
Advanced Aerospace Education  
Workshop

**University of Texas**  
El Paso, Texas  
Advanced Aerospace Education  
Workshop

**West Texas A&M University**  
Canyon, Texas

**Tarrant County Junior College**  
Fort Worth, Texas



## Crown Circle for Aerospace Education Leadership

Five educators were inducted into Civil Air Patrol's Crown Circle for Aerospace Education Leadership during Civil Air Patrol's 31st National Congress on Aviation and Space Education (NCASE) in St. Louis, Missouri.

"These educators join some of the brightest and best educators in the history of aerospace education," says Brig. Gen. James C. Bobick, CAP National Commander. "Civil Air Patrol is proud to continue recognizing educators for their crowning achievements."

Established in 1979, the Crown Circle is the highest award of the National Congress on Aviation and Space Education. Induction into the Crown Circle for Aerospace Education Leadership is one of the highest honors bestowed in the field of aerospace education. Inductees are nominated based on outstanding leadership in aerospace education over an extended term, and exceptional contributions to the field of aerospace education.



# special activities for young people

Almost 11,000 cadets attended wing and regional special activities, and more than 1,700 attended activities supported by National Headquarters. National flight academies, both powered and glider, provided opportunities for approximately 180 cadets to learn to fly.

## **Air Force Space Command Familiarization Course**

For cadets age 15 and older, this course provided an in-depth look at the Air Force Space program while students learned about orbital mechanics, and domestic and foreign launch capabilities. Students also took part in

flight simulator training, T-43 and helicopter orientation flights, and tours of a nuclear submarine. This course was conducted over the summer at Peterson Air Force Base, Colorado, and Patrick Air Force Base, Florida.



## **Air Education and Training Command Familiarization**

The one-week AETC Familiarization course is designed to give students the opportunity to attend class, observe and learn side-by-side with Air Force student pilots at Columbus Air Force Base, Mississippi, and Laughlin Air Force Base, Texas. Field trips included tours of the air traffic control tower, aircraft maintenance hangars and parachute shop.

## **Jacksonville University/Comair Academy Airline Training Track**

This joint venture between Jacksonville University and Comair Academy gave cadets a head start on aviation careers. Graduates from the program are eligible for six college credit hours at Jacksonville University. In addition, flight time may be applied toward a private pilot license.

## **National Blue Beret**

The National Blue Beret activity offers the chance for members to work the Experimental Aircraft Association's annual fly-in at Oshkosh, Wisconsin. Cadets learn aircraft marshalling and direction-finding techniques.

## **Pararescue Orientation Course**

The Pararescue Orientation Course is a weeklong introduction to the techniques used by the Air Force pararescue team. Cadets actively participated in training at Kirtland Air Force Base, New Mexico; Fort Knox, Kentucky; and George Washington National Forest, Virginia. The curriculum included land navigation, survival techniques, rock climbing, rappelling, and other skills.

## **Advanced Pararescue Orientation Course**

Cadets concentrated on either mountaineering or navigation to further develop skills learned in the basic course. In both tracks, cadets were introduced to pararescue medical training.



## Events

### National Flight Academy — Power Track

Participants spent 10 hours behind the yoke learning the basics of flying a powered aircraft. Students completed 25 hours of ground instruction and put it to use during an additional 10 hours flying as an observer. The course was based on the U.S. Air Force's Flight Screening Program at Hondo, Texas. All cadets received real flight time in a Cessna 172. Many graduates of the National Flight Academy continue training for their FAA private pilot license.

### National Flight Academy — Glider Track

This course gave selected students, 14 and older, the opportunity to get in the cockpit of a sailplane with a certified flight instructor. The cadets learned the basics of maneuvering a nonpowered aircraft. The 1998 National Flight academies took place in New Mexico, Colorado, Georgia, Connecticut and Oregon.

### National Ground Search-and-Rescue School

This joint venture between Operations and Cadet Programs gave 152 members the opportunity to become qualified in emergency services. This course was conducted by CAP, the U.S. Air Force and industry experts at Camp Atterbury, Indiana, 35 miles south of Indianapolis. Civil Air Patrol, Air Force and industry experts taught cadets the latest search-and-rescue techniques. Students slept in tents and participated in survival exercises.

### Hawk Mountain

Although the Pennsylvania summer Ranger School at Hawk Mountain has only recently been approved as a national activity, it has a long, proud history as one of the premier emergency services activities in the country. The school offers courses such as basic, advanced, team commander, special advanced and field medic. Prior graduates are encouraged to return for advanced training.

### Cadet Officer School

Cadet Officer School is a challenging, eight-day course designed to instill leadership and management skills in CAP cadet officers. Patterned after the U.S. Air Force Squadron Officer School, COS is an in-depth study of leadership skills. Instructors guide cadets through the Air Force approach to psychology of leadership, problem-solving techniques, effective writing, effective speaking, and group dynamics.

### International Air Cadet Exchange

The highlight of CAP's national activities is the International Air Cadet Exchange (IACE). In 1998, 124 cadets and escorts from the United States were divided into groups and visited 17 different countries in Europe and the Pacific Rim. While our cadets were abroad, 124 foreign cadets and escorts visited CAP wings in the United States. The 2-week visit enabled participating cadets to learn about their host countries. Through IACE, cadets develop an appreciation of other cultures and promote international goodwill. It also gives the cadets a close-up, personal understanding of the highly interdependent nature of today's world.





# emergency services

## Search and rescue

On call 24 hours a day, Civil Air Patrol air and ground crews perform 85 percent of all inland search and rescue as tasked by the Air Force Rescue Coordination Center (AFRCC) at Langley Air Force Base, Virginia. In performing search-and-rescue missions during fiscal year 1998, CAP volunteers flew 4,426 sorties in 3,153 missions logging 9,479 flight hours. This effort resulted in Civil Air Patrol being credited with 116 lives saved.



Not only do CAP volunteers provide varied search-and-rescue services to the Air Force, but also to the U.S. Coast Guard; rescue coordination centers in Alaska, Hawaii, and Puerto Rico; and state and local

agencies. In 1998, New Mexico Wing aircrews located a snowmobiler who had been missing in the mountains for two days; Illinois Wing members experienced a surprise early in the year when they discovered the wreckage of a Piper PA-32 Saratoga while on a routine emergency-locator-transmitter search; four people in Alaska can thank the Alaska Wing and the Alaska state troopers for their rescue after being stuck in the mud flats; after a two-day search in the foothills of the Ozark Mountains, Missouri Wing members located an 86-year-old woman lost while walking her dog; and Oregon Wing members logged thousands of hours searching for a 12-year-old Boy Scout lost in a coastal mountain range. These are only a few examples of the varied missions in which CAP participates.

An enhanced emergency services curriculum-development program was launched in 1997 to help maintain Civil Air Patrol's

leadership role in this important field. Search knowledge is continually upgraded, as well as participation in technological innovations such as the use of laser-light equipment and specialized aircraft materials to locate downed aircraft.

## Disaster relief

CAP witnessed an upsurge of activity in the disaster relief arena in 1998. Ice, tornadoes, drought, hurricanes, floods and fires engaged CAP resources across our great nation.

In the Northeast, severe ice storms that ravaged the upper section of the Northeast, involved the Maine, New York, Massachusetts, New Jersey, New Hampshire, Vermont, Rhode Island, Pennsylvania and Delaware wings in relief activities encompassing mass care, damage assessment, radio communications and logistics.

Following the devastation left by spring tornadoes in Florida, Alabama, Tennessee, and South Dakota, CAP aircraft provided a cost-effective platform for personnel of the National Weather Service to observe and photograph the damage. It will contribute to better forecasting and warning for these storms. CAP ground teams also assisted in access control and shelter management for the American Red Cross.

CAP aircrews in Texas and Florida provided airborne fire watch and communications relay for firefighters during drought conditions. Following the drought, the same two wings, Texas and Florida, found themselves providing support for flood victims of the torrential rains that ended the drought.

The Puerto Rico Wing provided reconnaissance flights to survey the devastation left in the wake of Hurricane Georges. They also contributed thousands of man-hours to help reconstitute the island.



## Search and rescue flying statistics

fiscal year '98

Wing	Flying Missions	Sorties	Hours	Saves
Alabama	60	44	87	0
Alaska	280	354	659	53
Arizona	67	216	625	0
Arkansas	15	7	18	0
California	319	246	614	3
Colorado	213	99	210	3
Connecticut	37	27	44	0
Delaware	12	12	27	0
Florida	371	253	430	0
Georgia	84	104	211	0
Hawaii	9	4	18	0
Idaho	31	64	171	1
Illinois	45	11	35	0
Indiana	34	36	96	0
Iowa	17	33	130	0
Kansas	39	13	41	0
Kentucky	22	6	15	0
Louisiana	72	43	77	0
Maine	28	25	45	0
Maryland	61	35	87	1
Massachusetts	57	66	138	2
Michigan	46	33	73	0
Minnesota	41	26	473	1
Mississippi	29	28	49	1
Missouri	43	102	358	1
Montana	14	29	76	2
National Capital	3	3	5	0
Nebraska	16	15	33	0
Nevada	22	161	555	7
New Hampshire	14	6	10	0
New Jersey	80	74	134	0
New Mexico	20	277	683	11
New York	101	40	70	0
North Carolina	92	108	278	0
North Dakota	12	25	49	0
Ohio	58	23	60	0
Oklahoma	43	40	100	0
Oregon	55	37	87	18
Pennsylvania	73	58	108	1
Puerto Rico	0	0	0	0
Rhode Island	22	13	24	0
South Carolina	36	53	111	0
South Dakota	6	67	153	2
Tennessee	31	24	54	0
Texas	227	924	1,021	0
Utah	29	118	339	2
Vermont	7	1	2	0
Virginia	77	58	115	0
Washington	5	11	18	1
West Virginia	10	5	10	0
Wisconsin	50	288	512	5
Wyoming	20	81	187	1
TOTALS	3,155	4,426	9,525	116

# battling illegal drug use and trade



## National initiatives

CAP partners with Community Anti-Drug Coalitions of America to assist in local community and national anti-drug activities.

The first annual CAP Red Ribbon Campaign was conducted.

Continued collaborative efforts with the Armed Forces YMCA provided summer day camps for school-age children of junior enlisted Air Force families in Maryland.

CAP's DDR program is providing encouragement and mentors to hundreds of youth to help them choose positive and productive lifestyles.

## Middle school initiatives

Program expanded to 55 schools nationwide reaching more than 1,200 youth.

Funds were provided to contract the development of an age-appropriate DDR curriculum.

## Drug demand reduction

Civil Air Patrol volunteers continued to provide educational and humanitarian support to communities across America who are waging the battle against drugs through the Drug Demand Reduction (DDR) program. Leadership and support from the U.S. Air Force's DDR program has allowed CAP's DDR initiative to flourish in communities across the nation, especially those located near U.S. Air Force bases.

In 1998, the program has grown to reach 42 states. The DDR resources have provided CAP volunteer-members the funding and materials to make an impact in not only the lives of cadets but also the communities in which they live.

Sponsorships provided by CAP's DDR program during 1998:

- 620 cadets to summer encampments
- 55 cadets to glider or powered flight academies
- 18 cadets to national special activities
- 200 memberships for cadets who otherwise could not have afforded membership

Some of the initiatives provided at the local and state level:

- New Hampshire sponsored a rocketry program. It was the largest wing activity funded by DDR funds. U.S. Congressman John Sununu presented trophies to the winning squadrons.
- Rhode Island National Guard provided a DDR class at the wing encampment.
- National Capital Wing developed a global positioning satellite training program for cadets.

## Counterdrug operations

During 1998, CAP assisted in the confiscation or eradication of more than \$2.8 billion in illegal drugs. In one instance, the U.S. Drug Enforcement Agency credited Civil Air Patrol's New York Wing with an assisting role in the seizure of 1,023 pounds of cocaine valued at more than \$10 million. On the opposite coast of the U.S., CAP members assisted U.S. Coast Guard Intelligence, the Drug Enforcement Administration, and local law enforcement in locating a sailing vessel off the coast of Washington believed to be smuggling marijuana into the United States. This mission resulted in the confiscation of marijuana with an estimated street value of \$15 million.

These examples are only two of more than 6,600 counterdrug missions that CAP volunteers provided to local, state and federal agencies battling the war on drugs. Federal agencies such as the Department of Defense, Drug Enforcement Administration, U.S. Customs, U.S. Forest Service and numerous state and local law enforcement agencies routinely call on CAP to provide reconnaissance and eradication support.



## Counterdrug Operations flying statistics

fiscal year '98

Wing	Flying Missions	Sorties	Hours
Alabama	208	595	1,615
Arizona	93	177	618
Arkansas	134	380	827
California	100	960	2,264
Colorado	22	50	230
Connecticut	69	79	303
Delaware	413	1,416	1,383
Florida	418	1,008	1,518
Georgia	200	543	860
Hawaii	110	1,110	3,260
Idaho	38	212	774
Illinois	40	191	256
Indiana	191	917	1,245
Iowa	30	112	193
Kansas	40	93	231
Kentucky	488	1,145	2,249
Louisiana	465	1,146	1,391
Maine	159	337	1,188
Maryland	32	106	124
Massachusetts	25	116	262
Michigan	88	233	363
Minnesota	53	159	474
Mississippi	100	384	508
Missouri	49	159	298
Montana	65	185	423
National Capital	12	33	63
Nebraska	25	139	399
New Hampshire	11	33	106
New Jersey	56	204	885
New Mexico	274	758	1,794
New York	97	358	1,210
Nevada	380	409	1,550
North Carolina	208	309	895
North Dakota	7	63	409
Ohio	74	277	338
Oklahoma	57	176	347
Oregon	15	210	565
Pennsylvania	98	606	1,819
Puerto Rico	93	115	223
Rhode Island	11	26	96
South Carolina	2	19	22
South Dakota	31	145	480
Tennessee	128	236	434
Texas	720	4,903	3,194
Utah	168	373	1,057
Vermont	30	84	326
Virginia	37	166	296
Washington	177	690	1,009
West Virginia	38	69	110
Wisconsin	231	708	1,058
Wyoming	6	75	180
Totals	6,616	22,997	41,721

Qualified  
volunteers

In addition to complying with CAP flying regulations, volunteers authorized to assist with counterdrug activities undergo a security check and training by U.S. Customs, the Drug Enforcement Administration, and/or the Federal Aviation Administration. Highly trained volunteers from CAP add even greater value to the services they provide to agencies battling the war on drugs. Each dollar appropriated by Congress to CAP for counterdrug operations prevents \$704 of illegal drugs from reaching the streets.



# comprehensive training

## Standardized management training

An integral part of membership in Civil Air Patrol is the comprehensive, standardized training the members receive. Not only must members be trained to carry out the missions

of CAP, but they also must be prepared to do the multitude of daily tasks required for the programs and the organization to run efficiently at the local level. The CAP senior member training program is organized into five levels:



### CAP chaplain service

Empowered by the Air Force Chaplain Service in 1950, CAP chaplains are closely linked with their active duty counterparts. The CAP Chaplain Service participates in many aspects of emergency services missions, from counseling emergency care workers to victim counseling. In 1998, 62 chaplains received certified training in critical incidence stress to more effectively respond to CAP members going through traumatic personal stress.

### Level I – Orientation

Introduction into CAP, proper wear of the CAP uniform, military customs and courtesies, and cadet protection training. Nearly 4,300 senior members completed this training in 1998.

### Level II – Technical

Based upon interests and squadron needs, one of 22 specialty tracks is chosen for study. About 1,400 members attended Squadron Leadership School (SLS) in 1998 to learn the basics of squadron operation. A four-volume CAP Senior Officer correspondence course is required in this level. Nearly 4,600 members enrolled in the correspondence course in 1998.

### Level III – Management

This course is designed for CAP commanders and staff officers. It requires conference attendance and participation in a 12-hour Corporate Learning Course (CLC). To complete this level, members must hold a command or staff position for one year and participate in activities at wing level or higher. In 1998, 917 members completed Level III training.

### Level IV – Command and Staff

Designed for advanced leadership positions in CAP. Members must attend a one-week Region Staff College (RSC). Members must take an active role in CAP and represent CAP in their local communities.

In 1998, 143 members attended Region Staff College.

### Level V – Executive

Requires advanced study in academic and military subjects developed for members who have performed command or staff duty for at least three years. Must complete the seven-day CAP National Staff College (NSC) conducted annually at Maxwell Air Force Base, Alabama. The course encompasses advanced leadership and management training. The 1998 National Staff College graduated 69 students.

## Moral leadership training

Training to instill values and develop ethical leadership is one of the primary ways that Civil Air Patrol empowers its membership to make lasting contributions to their communities. In 1998 approximately 675 chaplains and 53 moral leadership officers provided this valuable service to CAP members as well as the communities where they live.

Developing people with character is a cornerstone to empowering people to live better lives in their homes, schools and communities. Civil Air Patrol Chaplains and Moral Leadership Officers empower thousands of CAP cadets every year through moral leadership training provided through their local squadron.

Expanding its reach and influence into the local community, CAP Chaplain Service partnered with many churches and synagogues during the past year.



# aerospace education

Mandated by Congress in 1946, Aerospace Education remained one of Civil Air Patrol's primary missions in 1998. Recognizing the importance of an informed, educated public as it relates to aerospace, CAP made great strides in this area during the past year. Enhanced educational products and support were provided for CAP members, America's schools and the general public. Some ways this was accomplished:

## Educational products

- 40,000 free aerospace education products distributed to teachers through eight regional and one national distribution center.
- Development of an electronic aerospace education support system.
- Internet links to interactive educational sites.
- On-line lesson plans, resource guides and networking maps.
- Internet links to tour aviation related sites such as the Air Force Museum.
- Published more than 88 new aerospace education lesson plans.
- Access to 48 pages of educational products through CAP's Supply Depot catalogue.

## Educator support

- Expanded CAP's Aerospace Education membership program.
- Provided monthly teaching aids for aerospace education members to enhance their traditional subjects.
- Continuing education workshops held in 32 states during 1998 to develop the educational skills of teachers.
- Partnered with 48 aviation, science, and technology organizations to develop 114 basic and advanced level workshops.



- Through partnerships with various aerospace education organizations, teachers experienced "hands on" learning with flight simulator training through FlightSafety International, remote sensing by the Texas Space Grant Consortium, and building spacecraft control profiles using Satellite Tool Kit software.
- Orientation flights aboard U.S. Air Force aircraft provided to workshop participants.
- Assisted teachers throughout the nation as they developed more than 110 aerospace education field days.
- Continued development of inner city and after-school aerospace programs.
- Published a fifth volume of "Aerospace 2000," a special aerospace education and activity program.

# cadet programs

Civil Air Patrol's Cadet Program is designed to provide youth, from sixth grade through age 20, with a safe, encouraging environment in which to learn, mature and explore opportunities to help them reach their potential as adults. The program is best described by the cadets who say participation is "a way of life."

## The program

Membership in CAP's Cadet Program grew to nearly 26,000 youth in 1998, the highest in eight years. Almost 11,000 cadets attended wing and regional special activities,

and approximately 1,700 participated in national activities. National flight academies, both powered and glider, provided opportunities for 180 cadets to learn to fly.

Cadets participate in a structured program through group and individual activities that include aerospace

education, physical training, leadership, and moral and ethical values. The program encompasses 15 achievement levels that include study in these five areas. Upon completion of each achievement, the cadet earns increased cadet rank, decorations, awards, eligibility for national and international special activities, and an opportunity for flight and academic scholarships. The program aims to produce well-rounded, confident young people equipped to meet the challenges of adulthood.

## Orientation flights

One of the primary reasons that young people join the Civil Air Patrol Cadet Program is for the opportunity to fly. Civil Air Patrol's orientation flight syllabus ensures



the maximum educational experience in flight by providing up to nine orientation flights during a cadet's CAP career. CAP flew more than 17,500 orientation flights with cadets during 1998. Most of the orientation flights were piloted by CAP members, thus promoting a closer bond between senior members and cadets.

## Career development

The Civil Air Patrol Cadet Program is dedicated to promoting career exploration in the aviation and space career fields through military and civilian resources. Opportunities are provided through special programs and academic scholarships.

Civilian resources for career development included the following: The Spartan School of Aeronautics, United States Automobile Association (USAA), Dowling College, The Order of Daedelians, Who's Who in American High Schools, The Casaday-Elmore Ministerial Scholarship, FlightSafety International, and Colonel Louisa Spruance Morse. In 1998, 252 cadets who were interested in pursuing an education beyond the high school level were awarded scholarships through the CAP Cadet Program.

Military resources for career development are provided mostly through the U.S. Air Force. The Air Force recognizes the high standards that CAP cadets must meet in achieving key milestones such as the General Billy Mitchell Award. Cadets reaching this level of achievement are eligible to enlist in the Air Force, Air Force Reserve, or the Air National Guard as an airman first class (E-3) instead of an airman basic. More than 1,000





cadets qualified for the Mitchell award in 1998.

Through routine training, encampments and special activities, the CAP Cadet Program prepares youth for a career in the military. This is best demonstrated in the enrollment rate for CAP cadets in the Air Force Basic Military Training, which is half that of the general enlistees. In addition, about 8 percent of every graduating class at the U.S. Air Force Academy are former CAP cadets. They experience a 3-percent higher graduation rate overall than other academy cadets. The better-than-average graduation rate of CAP cadets translates to significant savings for the U.S. Air Force.

## Striving for excellence

The highest honor a CAP cadet can achieve is to earn the General Carl A. Spaatz Award. Established in 1965, the award honors the late General Carl A. Spaatz, who became the first Air Force Chief of Staff on September 26, 1947. When Congress designated the Civil Air Patrol as the official Auxiliary of the U.S. Air Force on May 26, 1948, General Spaatz was appointed CAP's first National Board chairman. He held this position until April 27, 1959.

A cadet earns the Spaatz award after completing all 15 achievements in the program and passing a rigorous four-part examination consisting of written exams in aerospace education and leadership, a written essay, and a physical fitness test. The Spaatz examination is very difficult and demanding. Less than 20 percent of those taking the exam receive passing scores. It is earned by less than 1 percent of all CAP cadets who enter the program. To further highlight the difficulty in achieving this goal, only 1,305 cadets have earned the Spaatz award since its inception in 1965.

Cadets who have achieved the highest tier of progression in the CAP Cadet Program, the General Carl A. Spaatz Award, often have an advantage when applying for admission into the Air Force Academy.

## 1998 General Carl A. Spaatz Award Recipients

Name	City, State
Jason T. Attinger	Royal, Arkansas
Dan M. Au	New Orleans, Louisiana
Jeffrey S. Baker	Savannah, Georgia
Michael T. Bauer	Pittsburgh, Pennsylvania
Martin R. Becktell	Couer d'Alene, Idaho
Scott E. Bruck	Glassboro, New Jersey
Benjamin L. Carroll	Wallingford, Connecticut
Christopher D. Chapman	Morgantown, West Virginia
Sarah A. Danforth	So. Milwaukee, Wisconsin
Bryan R. Foley	Mobile, Alabama
Daniel W. Garrett	Fargo, North Dakota
Amy L. Goff	Woodland Park, Colorado
Steven R. Hansen	South Jordan, Utah
Diana V. Heaton	Naperville, Illinois
Jeffery M. Hurd	Tucson, Arizona
Jeremy D. Langrock	Sioux Falls, South Dakota
Royce M. Lippert	Henderson, Colorado
Charles W. Mauze III	Wilson, North Carolina
James J. McCloud	Alpharetta, Georgia
Todd M. Moore	Manchester, Connecticut
Richard P. Muffoletto	Baton Rouge, Louisiana
Tin T. Nguyen	Shrewsbury, Massachusetts
Julie E. Oldham	Rolla, Missouri
Morgan T. Osterloh	Versailles, Kentucky
Daniel R. Payette	Eagan, Minnesota
David W. Schur	Parma Heights, Ohio
Laura E. Thompson	Bellefontaine, Ohio
Miguel F. Rivera	Elmhurst, New York
Kyle J. Warf	Littleton, Colorado
Annie Yu	Orem, Utah
Angie S. Zugay	West Chester, Ohio



# national board members



**NATIONAL COMMANDER**  
Brig. Gen. James C. Bobick, CAP



**SENIOR AIR FORCE ADVISOR**  
Col. Dennis B. Parkhurst, USAF



**NATIONAL VICE COMMANDER**  
Col. Richard L. Bowling, CAP

## About the board...

The highest governing body of CAP is the National Board, chaired by the national commander, a volunteer member of CAP. Other members of the board include the eight region and 52 wing commanders. This governing body also includes an elected national vice commander and an appointed chief of staff, legal officer, finance officer, and controller — all civilian volunteers. These officers along with the eight region commanders form CAP's National Executive Committee. The NEC functions as the decision-making body of CAP when the full board is not in session.

One key position on the National Board that ties the CAP Corporation to the U.S. Air Force is the Senior Air Force Advisor.

**NATIONAL CHIEF OF STAFF**  
Col. Joseph D. McMillan, CAP

**NATIONAL FINANCE OFFICER**  
Col. Larry D. Kauffman, CAP

**NATIONAL LEGAL OFFICER**  
Col. David N. Simmons, CAP

**NATIONAL CONTROLLER**  
Col. Andrew E. Skiba, CAP

**COMMANDER  
NORTHEAST REGION**  
Col. Joseph A. Guimond Jr., CAP

**Wing Commanders**  
**Connecticut**  
Col. Frederick G. Herbert, CAP

**Maine**  
Col. James F. Linker, CAP

**Massachusetts**  
Col. Eric V. Schollmann, CAP

**New Hampshire**  
Col. Kenneth J. Herman, CAP

**New Jersey**  
Col. Joseph F. Convery, CAP

**New York**  
Col. Joy S. Nelson, CAP

**Pennsylvania**  
Col. Jean-Pierre J. Habets, CAP

**Rhode Island**  
Col. Jean C. Desmarais, CAP

**Vermont**  
Col. William E. McManis, CAP

**COMMANDER  
NORTH CENTRAL REGION**  
Col. Sheila J. Waldorf, CAP

**Wing Commanders**

**Iowa**  
Col. John F. Lalla, CAP

**Kansas**  
Col. Timothy A. Hansen, CAP

**Minnesota**  
Col. Kevin F. Sliwinski, CAP

**Missouri**  
Col. Jeanette K. Lawson, CAP

**Nebraska**  
Col. Bruce L. Marxsen, CAP

**North Dakota**  
Col. Thomas D. Weston, CAP

**South Dakota**  
Col. Richard A. Buechler, CAP

**COMMANDER  
MIDDLE EAST REGION**  
Col. Gene D. Hartman, CAP

**Wing Commanders**

**Delaware**  
Col. Robert L. Vawter, CAP

**Maryland**  
Col. Ralph A. Vogt, CAP

**National Capital**  
Col. Roland L. Butler, CAP

**North Carolina**  
Col. Alvah W. Sulloway Jr., CAP

**South Carolina**  
Col. Hartsell O. Rogers Jr., CAP

**Virginia**  
Col. H. Click Smith Sr., CAP

**West Virginia**  
Col. Bobby R. Anderson, CAP

**COMMANDER  
SOUTHEAST REGION**  
Col. Joseph C. Meighan Jr., CAP

**Wing Commanders**

**Alabama**  
Col. Joseph M. Owens Jr., CAP

**Florida**  
Col. Antonio Pineda, CAP

**Georgia**  
Col. Calvin C. Franklin Jr., CAP

**Mississippi**  
Col. Rebecca D. Baum, CAP

**Puerto Rico**  
Col. Gerald P. Irons, CAP

**Tennessee**  
Col. Pat E. Cureton, CAP

**COMMANDER  
SOUTHWEST REGION**  
Col. Colin F. Fake, CAP

**Wing Commanders**

**Arizona**  
Col. Richard L. McGlade, CAP

**Arkansas**  
Col. Coleman C. Roth, CAP

**Louisiana**  
Col. Mary D. Berkowitz, CAP

**New Mexico**  
Col. Dennis Manzanares, CAP

**Oklahoma**  
Col. David J. Ruppel, CAP

**Texas**  
Col. S. Ray Farley, CAP

**COMMANDER  
GREAT LAKES REGION**  
Col. Denzil Allen, CAP

**Wing Commanders**

**Illinois**  
Col. Joseph S. King, CAP

**Indiana**  
Col. Glenn A. Kavich, CAP

**Kentucky**  
Col. Michael A. Cooper, CAP

**Michigan**  
Col. William S. Charles, CAP

**Ohio**  
Col. Robert M. Sponseller, CAP

**Wisconsin**  
Col. Larry S. Nack, CAP

**COMMANDER  
ROCKY MOUNTAIN REGION**  
Col. Gary H. Tobey, CAP

**Wing Commanders**

**Colorado**  
Col. William F. Hines, CAP

**Idaho**  
Col. David L. Floyd, CAP

**Montana**  
Col. Jerry W. Haver, CAP

**Utah**  
Col. Terry H. Robison, CAP

**Wyoming**  
Col. Betty L. Cash, CAP

**COMMANDER  
PACIFIC REGION**  
Col. Michael L. Pannone, CAP

**Wing Commanders**

**Alaska**  
Col. Stephen A. Franklin, CAP

**California**  
Col. Bryon L. Brammer, CAP

**Hawaii**  
Col. Daniel D. Bowen, CAP

**Nevada**  
Col. Carl W. Carothers, CAP

**Oregon**  
Col. Virginia A. Thompson, CAP

**Washington**  
Col. Douglas L. Jones, CAP



## U.S. Air Force appropriated funds provided to support Civil Air Patrol programs

### CAP Inc.

#### Operations & maintenance \$20,545,524

Liaison salaries & benefits	\$3,534,030
Liaison operational expenses	\$1,567,829
Emergency Services	
Search-and-rescue missions	\$4,472,334
Counterdrug missions	\$3,951,847
Drug Demand Reduction Program	\$467,897
Liability insurance	\$657,202
Vehicle maintenance	\$170,000
Aircraft maintenance	\$985,199
Communication maintenance	\$100,000
Aerospace Education	\$2,293,092
Cadet Programs	\$2,165,661
General and administrative	\$180,433

#### Procurement \$4,550,002

Aircraft procurement	\$2,917,000
Vehicle procurement	\$1,000,000
Communication/computer procurement	\$633,002

#### Total CAP Inc. \$25,095,526

### Funding sources

Appropriated funding supports payments to CAP Corporation, the U.S. Air Force Auxiliary. The corporation supports more than 60,000 members, 530 corporate aircraft, and 950 corporate vehicles at more than 1,700 operating locations. Some of the expenses supported by O&M funding included staff compensation and benefits; travel, rent, utilities and maintenance for aircraft and vehicles; flight reimbursement for search and rescue, disaster relief, and counterdrug missions; cadet uniforms; and liability insurance. The procurement dollars allowed CAP to purchase new aircraft, vehicles and communication equipment.

The Civil Air Patrol is required to keep and report accounts in accordance with public law, Title 36. Title 36 requires CAP to use Generally Accepted Accounting Principles (GAAP). The Financial Accounting Standards Board (FASB) required functionality accounting and reporting for all expenses for not-for-profit corporations. Our headquarters expenses are broken out as Aerospace Education, Cadet Programs, Emergency Services, and Administrative. The annual audit will also reflect this functional breakout of expenses.

## State Appropriations

1998-1999

<b>Wings</b>	<b>Amount</b>	<b>Wings</b>	<b>Amount</b>
Alabama	75,000	Mississippi	60,000
Alaska	503,100	Missouri	46,000
Arkansas	69,540	Nebraska	32,406
Arizona	61,500	New Jersey	25,000
California	65,000	New Hampshire	57,249
Colorado	90,527	New Mexico	108,600
Connecticut	38,000	Nevada	85,000
Delaware	21,000	North Carolina	118,000
Florida	55,000	North Dakota	92,822
Georgia	55,000	Oklahoma	18,500
Illinois	150,000	Pennsylvania	300,000
Iowa	16,000	Puerto Rico	12,000
Kansas	25,000	South Carolina	78,000
Kentucky	30,600	South Dakota	23,464
Louisiana	95,000	Tennessee	184,970
Maine	5,000	Utah	75,000
Maryland	38,700	Vermont	20,000
Massachusetts	22,500	Virginia	64,572
Michigan	20,000	Wisconsin	19,000
Minnesota	65,000	West Virginia	89,000

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**Total state appropriations**

**\$3,011,050**



# wing profile



## The Texas Wing

by  
MAJOR  
PATRICIA  
PETOSKY

The Texas Wing set a record for flight time during fiscal year 1998, due in part to drought conditions in the Lone Star State. Texas CAP pilots flew an impressive 10,059 hours from October 1, 1997 to September 30, 1998. That's an average of 346 hours per aircraft for the 28 CAP Cessnas assigned to Texas.

Two major missions in 1998 contributed greatly to the numbers. The first was a massive search last November for an aircraft on a flight across the southern part of the state. The search lasted nearly two weeks and involved a large percentage of the wing's aircraft and personnel. More than 778 hours of flight time were logged during that search.

The exceptionally dry winter and spring in Texas brought on drought conditions worse than the well-publicized ones in Florida. CAP flight crews logged more than 1,775 hours in state-funded fire-watch missions, spotted dozens of fires, and were responsible for saving hundreds of millions of dollars in property losses.

In addition to these missions, Texas aircraft flew an impressive 3,194 hours of counterdrug missions last year. Over the past three years, Texas has flown 26,980 hours, for an average of just under 9,000 hours per year. Some of the individual aircraft times during 1998 in this fleet of 20 C-172s and 8 C-182s include one aircraft with 685 hours, two aircraft with over 500 hours each, and five aircraft with more than 400 hours each. These numbers exemplify the dedication and "can do" attitude of CAP flight crews everywhere, and they surely went a long way toward the Outstanding rating that Texas Wing Operations received in a recent evaluation. Congratulations to Colonel Ray Farley, Texas Wing commander, and all the members of the Texas Wing.

**Texas Wing helps state fight raging wild fires,  
aircrews help prevent more than \$100 million in damage**

Treetop crash results in find, 2 saves for North Carolina  
 Wing Wyoming Wing searches for missing  
 snowmobilers Baseball star Wade Boggs  
 promotes CAP's antidrug campaign Ice storm  
 devastates Northeast: CAP volunteers play key role  
 in recovery effort New Mexico aircrew finds 3  
 snowmobilers in mountains Congressman Snowbarger  
 visits with National Capital Wing cadets, seniors Georgia  
 aircrew assists with Air Force radar  
 evaluation Florida Wing responds to disastrous El  
 Nino storms Oregon aircrew locates missing hikers; receives credit  
 for 4 finds, 4 saves CAP founder George Haddaway passes  
 away in Colorado at 89 CAP begins border  
 searches: Aircrews search for people in  
 distress along U.S., Mexico border  
 Tornadoes rip through Southeast: Alabama  
 squadron responds with aerial survey flights,  
 ground assistance Space Expo 2000  
 educates, entertains, inspires visitors Georgia  
 Wing members rally for Atlanta tornado victims  
 Louisiana governor tours CAP exercise area Colorado  
 Squadron scores first save for 1998 Georgia cadet  
 receives CAP Lifesaving Award Senator Goldwater  
 dies at 89; was 20-year CAP member CAP  
 celebrates 50th anniversary as Air Force Auxiliary  
 Alaska aircrew spots missing foursome; 'saves'-bring unit's  
 total to 12 for 1998 Arizona Wing spots missing man



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Cadet Programs .....	334-953-7568
Emergency Services .....	334-953-4220
Counterdrug .....	334-953-4494
Drug Demand Reduction .....	334-953-4237
Member Services .....	334-953-5191
Membership Development .....	334-953-4260
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Plans and Requirements .....	334-953-5093
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CAP Supply Depot .....	1-800-858-4370
Webmaster .....	webmaster@cap.af.mil
Web Site .....	http://www.cap.af.mil

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