



1989 CIVIL AIR PATROL Annual Report to Congress

For year ending 31 December 1988





Competition Inspection. The cadet team representing the CAP Southwest Region came under the close scrutiny of Air Force SMSgt. Jay Wells during the inspection phase of the CAP National Cadet Competition held at Maxwell AFB, Alabama, on December 28-29, 1988. A 16-member team representing each of the eight CAP regions competed in precision drill, physical fitness, and aerospace knowledge. The team representing the Northeast Region won top honors and was presented the Air Force Chief of Staff Sweepstakes Trophy. (Photo by Bill Odom)

Hall of Honor. Dr. Paul E. Garber displays a plaque with a bronze bust of himself after his induction into the CAP Hall of Honor during the annual meeting of the CAP National Board in Washington, D.C., on August 19-20. Hall of Honor member Lt. Col. Bill Madsen participated in the induction ceremonies. Dr. Garber wore his World War II Navy uniform, and Lt. Col. Madsen donned his original CAP uniform. After 49 years of service at the Smithsonian Institution and mandatory retirement at age 70, Dr. Garber was appointed Historian Emeritus of the renamed National Air and Space Museum. He first became a key participant in the National Congress on Aviation and Space Education in 1974, where he served as primary authority on the history of aerospace development. Dr. Garber has since taken an active part in several hundred CAP-sponsored aerospace education workshops and hosted numerous CAP activities at the National Air and Space Museum. For his tireless and unselfish contributions to Civil Air Patrol, the senior member training program Level IV award was named in his honor in 1978. Dr. Garber's dynamic support of aerospace education has greatly contributed to the development of Civil Air Patrol. (Photo by George Wendt)



Cover Photo. The photograph was taken in the astronautical engineering laboratory at the U.S. Air Force Academy, Colorado Springs, Colorado. From left: Air Force Academy Cadet William A. "Bill" Reese, CAP Cadet Matthew R. Benjamin, and CAP Cadet Suzanne E. Fitch. Cadet Reese is commander of the 36th Cadet Squadron at the academy. He was a CAP cadet commander of the Clark County Composite Squadron in North Las Vegas, Nevada, for three years prior to entering the academy. Both CAP Cadets Benjamin and Fitch are current members of the Air Academy CAP Composite Squadron. In the picture, Cadet Reese explains the function of the NAVSTAR Satellite. (Photo by Bill Madsen)



**NATIONAL
HEADQUARTERS
CIVIL AIR PATROL**

—USAF AUXILIARY—

Maxwell Air Force Base, Alabama 36112-5572



TO THE CONGRESS OF THE UNITED STATES

This report of the activities of Civil Air Patrol during calendar year 1988 is submitted in accordance with Public Law 79- 476. Civil Air Patrol was created on December 1, 1941, by executive order of the Director of Civilian Defense as a means of involving civil aviation pilots and aircraft in the national defense effort. Civil Air Patrol functioned under the Office of Civilian Defense until April 1943, at which time the Army Air Forces was assigned jurisdiction for the remainder of the war years.

In appreciation for its wartime service, Civil Air Patrol was chartered by the Seventy-ninth Congress on July 1, 1946, as a volunteer, nonprofit corporation. On May 26, 1948, the Eightieth Congress granted it status as the civilian auxiliary of the Air Force through Public Law 557.

Civil Air Patrol members continued throughout 1988 to serve their communities and the nation through significant achievement in all of their endeavors. This report highlights accomplishments in emergency service assistance to people in distress, advancements in aerospace education for Civil Air Patrol members and the general public, and citizenship and leadership training for Civil Air Patrol cadet and senior members.

The overall accomplishments of Civil Air Patrol during 1988 were made possible by the dedicated Civil Air Patrol volunteers and the steadfast support of the Congress and the United States Air Force. It is a privilege to present this report of Civil Air Patrol activities during the past calendar year.

E. E. Harwell

EUGENE E. HARWELL
Major General, CAP
National Commander

John T. Massingale, Jr.

JOHN T. MASSINGALE, JR.
Colonel, USAF
Executive Director

AEROSPACE EDUCATION

"Back to the Future" was a theme for CAP aerospace education accomplishment and expansion during 1988. The nation and the world rejoiced as outstanding achievements were attained in aviation and space. The aerospace education program attained the same type of notable achievements as concepts and programs were created or revised and implemented. The objectives of continuing to educate our own membership and the American public were thus accomplished.

NATIONAL CONGRESS ON AVIATION AND SPACE EDUCATION

In his written greeting to participants of the 21st National Congress on Aviation and Space Education (NCASE), President Ronald Reagan remarked that the future is one of the things Americans do best. He further stated that the future will demand even higher standards of education and professionalism in the field of aerospace technology. The President concluded with the realization that the work of aerospace education remains vital in fulfilling the nation's commitment to the future.

These remarks prefaced the 21st NCASE in Los Angeles, California, on March 24-26. Nearly 1,100 educators, business and industry leaders, and CAP members attended the event, where the theme fittingly focused on the 21st century. This event is cosponsored by the National Aeronautics and Space Administration, the Federal Aviation Administration, and Civil Air Patrol. It is designed to promote an understanding of aviation and space education throughout the nation. The motivational program encourages teachers to incorporate aerospace education into their curricula and leaders to speak out on the aerospace issues facing our nation today.



Brewer Award. Bill Borgers of the Cypress-Fairbanks Independent School District displays the Southwest Region Frank G. Brewer-Civil Air Patrol Memorial Aerospace Education Award he received on behalf of the school district. Southwest Region Commander Col. Harold W. Bowden (left) and Southwest Liaison Region Aerospace Education Director C. E. Neal presented the award during a Texas Wing conference. (Photo by Karl Dunajski)



Aerospace Congress. Melba Iris Harris of Fort Payne, Alabama, explains her "Fantastic Flight" teaching program to Donald Groserud of St. Paul, Minnesota, during the 1988 National Congress on Aviation and Space Education. Ms. Harris was recognized in 1987 as the A. Scott Crossfield Aerospace Education Teacher of the Year for her program, which provides her students hands-on experience flying a small aircraft simulator. (Photo by George Wendt)



Voyager Pilot. Voyager pilot Dick Rutan signs autographs for cadet members of South Dakota Wing's Rushmore Composite Squadron prior to his presentation to 1,800 students of the South Dakota School of Mines and Technology at Rapid City, South Dakota. Rutan, along with Jeanna Yeager, flew the Voyager nonstop and nonrefueled around the world to set numerous records. The CAP cadets worked as ushers during Rutan's appearance at the engineering and technology college.

The 3-day meeting opened with Presentation of Colors by the color guard of the CAP Glendale Cadet Squadron and introductions by the master of ceremonies, Dr. R. Lynn Bondurant, Jr., chief of the Educational Services Office at the NASA Lewis Research Center.

Addressing the futuristic theme of the conference were Arlene Feldman, deputy director of the FAA Western-Pacific Region; Jean R. Oliver, deputy manager of the Hubble Space Telescope Office; Howard Wright, NASA program manager for the National Aerospace Plane; John W. R. Taylor, editor of Jane's All the World's Aircraft; and Carl Rappaport, deputy director of the Office of Commercial Space Transportation, Department of Transportation.

Additional speakers included Margaret G. Finarelli, director of the Policy Division of NASA's Space Station Office; Richard MacLeod, executive director of the U.S. Space Foundation; June Scobee, chairman of the board of the Challenger Center Foundation; and Harry Wong, consultant/teacher/humorist from Menlo Park, California.

Many small group meetings and seminars were held for all grade-level teachers. Other special interest groups also met during these times, i.e., CAP aerospace education officers, Air Force ROTC instructors, and NASAO education coordinators. It was a time to share experiences, techniques, and methods, and to plan for the future.

The Spruce Goose/Queen Mary complex provided a unique setting for the Crown Circle Awards. The award is presented annually to a very select few for accomplishments in aerospace education. The inductees this year were A. Scott Crossfield, Curtis M. Graves, Patricia Burke Johnson, and Charles E. "Chuck" Yeager.

Ms. Johnson, a secondary teacher from Helena, Montana, was presented with the third annual Civil Air Patrol/A. Scott Crossfield Teacher of the Year Award, which recognizes the best aerospace education teacher in the nation.



Michigan Award. Michigan Wing Commander Col. Kenneth Redington (right) accepts the Michigan Aviation Hall of Fame 1988 Spirit of Flight Award from Air National Guard Brig. Gen. Arthur Tesner during an awards banquet held in Lansing on October 14. Colonel Redington accepted the award on behalf of the CAP Michigan Wing, which was recognized for outstanding aviation contributions during 1987. (Photo by Kay L. Lincoln-McLaughlin)



Organization Award. The 1988 Frank G. Brewer-Civil Air Patrol Memorial Aerospace Award in the organization category went to the Great Falls School District #1 in Great Falls, Montana. Mr. Loran Frazier and Maj. Jo Ann Eisenzimer accepted the award from CAP National Commander Maj. Gen. E. E. Harwell on behalf of the school district. Mr. Frazier is district superintendent for instruction and Maj. Eisenzimer is a teacher in Great Falls. (Photo by George Wendt)

AEROSPACE EDUCATION WORKSHOPS

Civil Air Patrol, in cooperation with colleges, universities, and individual school systems, supported 206 graduate-level aerospace education workshops in 40 states with approximately 5,000 educators attending. The year 1988 marked the 38th year of aerospace education workshops during which almost 5,500 of the sessions have been held. Such statistics are solid evidence that supporting teacher training through workshops continues to be one of Civil Air Patrol's most important contributions to aerospace education.

Air Force support was provided by Air Force reserve personnel on active-duty tours. They provided liaison and instructional support to workshop directors. In some cases, Air Force airlift was provided for workshop participants to visit an aerospace facility as part of the curriculum. Following its established policy, Civil Air Patrol provided advice, assistance, and support in developing curriculums according to the requirements of the host institutions.

AEROSPACE EDUCATION MATERIALS

In keeping with the ongoing challenge of meeting the training needs of the CAP aerospace education program, existing materials were revised and new materials were implemented. Aerospace: The Challenge, a basic textbook for CAP senior members and the nation's educational community, underwent an extensive revision in order to meet the ongoing demands it has serviced for the past decade. Revised single-concept learning packets and activity booklets featuring Generals Chappie James and Jimmy Doolittle were published for educational use nationwide. Creation of a resource exploring careers in the aerospace world filled a void in this crucial area, and an extensive model rocketry manual was also made available.



Georgia Award. Cadet Deana A. Smith of the Georgia Wing accepts the Gen. Carl A. Spaatz Award from Air Force Brig. Gen. Dale R. Baumier, commander of the 14th Air Force, Dobbins AFB, Georgia. Cadet Smith attends Auburn University, Auburn, Alabama, on an Air Force ROTC scholarship.

THE CADET PROGRAM

One of Civil Air Patrol's three major missions is to provide a program to develop and motivate the youth of the nation to leadership and responsible citizenship through an interest in aviation. The CAP cadet program is designed to develop the potential of young people through physical fitness, leadership training, moral, ethical, and aerospace education. In 1988, 92 current and former CAP cadets entered the class of 1992 at the U.S. Air Force Academy. They constituted 6.2 percent of the entering cadets. Eighty former CAP members graduated and earned their commissions as second lieutenants in the academy's class of 1988. A continued commitment to cadet training and development by the senior members of Civil Air Patrol has resulted in new growth and spirit in CAP units across the nation. Cadet and senior member involvement in cadet activities made 1988 a leap year for the Civil Air Patrol and its cadet program.

A primary objective of Civil Air Patrol is to establish a cadet program which will motivate its youth to responsible leadership and citizenship through their interest in aviation. The CAP cadet program is open to U.S. citizens and persons lawfully admitted for permanent residence to the United States and its territories and possessions who are 13 years of age, or have satisfactorily completed the sixth grade, through 18 years of age. Upon reaching 18, cadets may choose to either become senior members or remain a cadet until their 21st birthday.



Head of the Class. The CAP Cadet Officer School was conducted at Gunter AFB, Alabama, from July 27 to August 5 with 115 cadets from 35 wings attending. Cadet Curtis Foster of the Georgia Wing finished at the head of his class and was presented the Cadet Officer School Outstanding Cadet Award by CAP Executive Director Air Force Col. John T. Massingale, Jr., during the school's graduation ceremony. (Photo by George Wendt)



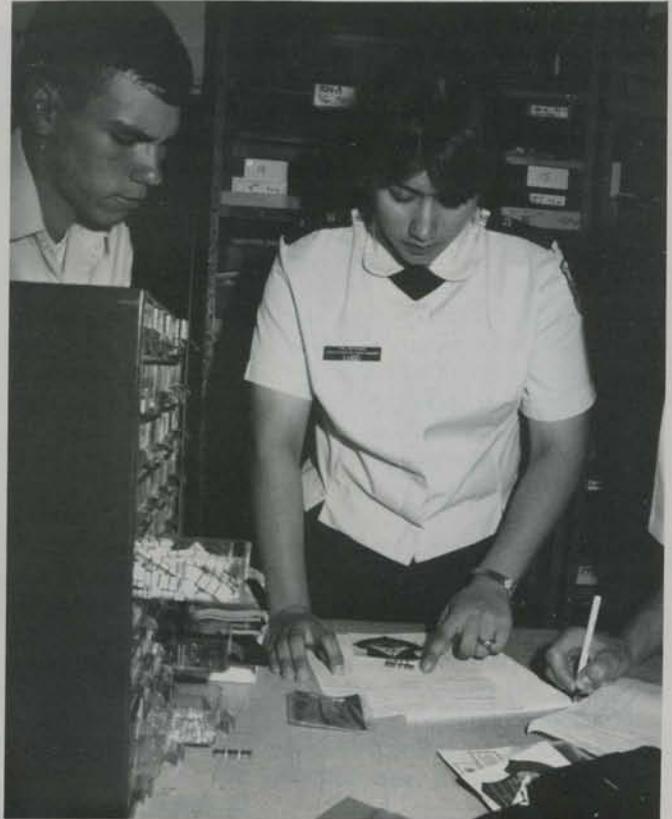
Cadet Competition. The CAP Northeast Region team won top honors and the Air Force Chief of Staff Sweepstakes Trophy in the CAP National Cadet Competition held at Maxwell AFB, Alabama, on December 28-29, 1988. The 16-member teams, representing each of the eight CAP regions, competed in precision drill, physical fitness, and aerospace knowledge. The Northeast Region team placed first in the cadet bowl quiz, written exam, volleyball, and the mile run phases of the competition. The Pacific Region team was best in innovative drill, and the Middle East Region team won top honors in standard drill. (Photo by Bill Odom)

The cadet program is designed to provide cadets with opportunities to learn and develop their potential in an aerospace-oriented environment. This development is achieved through a combination of study and performance involving both individual and group effort. Wing, region, and national cadet special activities are designed to capitalize on each cadet's interest in aerospace to educate and prepare him or her for future challenges. National activities such as the Air Training Command Familiarization Course, Cadet Officer School, and Air Force Computer Orientation Course take place on active Air Force installations, where cadets can see Air Force men and women serving their country. Many cadet activities take place at other DOD installations utilizing Air Force, Army, or Navy personnel to teach and train these young people a particular skill or concept.

In the local squadron, cadets progress at their own pace through the structured program of 15 consecutive achievements, increasing in grade and experience as they accomplish each planned achievement level. During the program, cadets become eligible to participate in orientation flights, encampments, and a variety of national and international activities. Incentives and benefits include receipt of ribbons and awards; increased grade and responsibility; eligibility to compete for academic and flight scholarships; and, upon the receipt of the Mitchell Award (completion of the first seven achievements), an advanced entry grade of E-3 when enlisting in the U.S. Air Force. By the end of the year, 1,695 cadets earned a Mitchell Award or its equivalent through the CAP cadet program. The Earhart Award (achievements 8-11) was awarded to 508 cadets for a program total of 4,174 Earhart Awards. Completion of the Earhart is a requirement to attend the International Air Cadet Exchange program. The toughest and most demanding award to achieve is the Spaatz Award. During 1988, 52 cadets earned this coveted award for a program total of 923 cadets.



AFA Award. Civil Air Patrol's 1988 Cadet of the Year Joelyn Taylor was presented the Air Force Association's Outstanding Cadet of the Year Award by Air Force Association National Vice President Charles G. "Chuck" Durazo during the CAP National Board Meeting in Washington, D. C. Cadet Taylor is a first-year cadet at the U.S. Air Force Academy. (Photo by George Wendt)



Cadet School. Puerto Rico Wing Cadet Anabel Lugo reviews her shopping list while at the CAP Bookstore during her attendance at the CAP Cadet Officer School at Gunter AFB, Alabama. While attending the school, Cadet Lugo received notification she had earned the coveted Gen. Carl A. Spaatz Award. (Photo by George Wendt)

CADET ENCAMPMENTS

Attending a cadet encampment is usually the cadet's first chance to experience the excitement and challenge of the aerospace world. Each year, several thousand CAP cadets are provided this experience through attending encampments conducted at Air Force bases or other military facilities throughout the United States, Puerto Rico, and overseas. This firsthand look at the military lifestyle allows cadets to talk with and observe men and women of the active armed forces and gain practical experience and information on aerospace-related career opportunities.

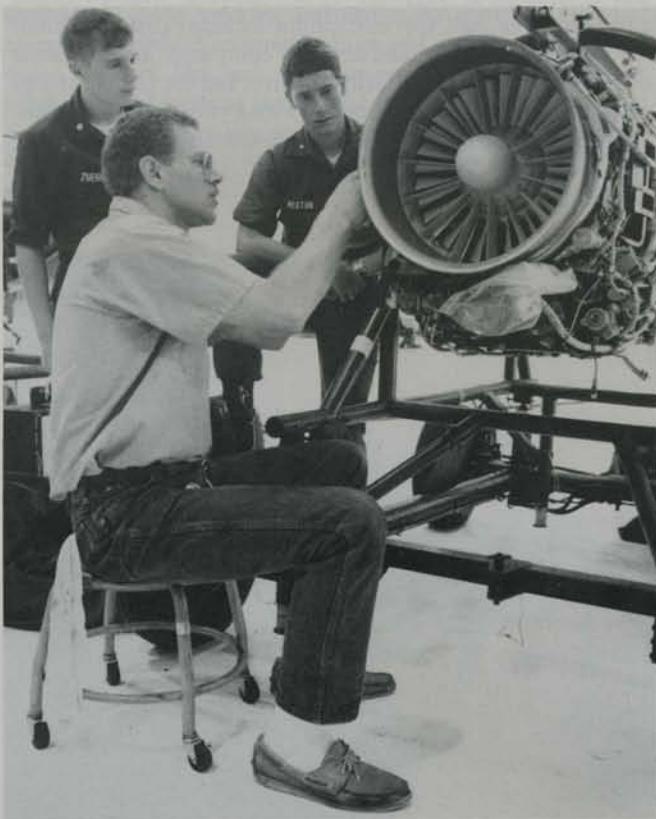
Attendance at an encampment is a significant aspect of the structured CAP cadet program. It is a prerequisite to the completion of the first 7 of the 15 achievement levels and attaining the Gen. Billy Mitchell Award, the first major milestone of the cadet program. Cadets who earn the Mitchell Award become eligible for more advanced special activities and automatically earn the grade of airman first class (E-3) should they choose to enlist in the Air Force.

Last year, 7,509 CAP cadets and 1,209 CAP senior members attended encampments at 35 Air Force installations and at 20 other Department of Defense (DOD) facilities. An additional 27 encampments were conducted at non-DOD facilities.

INTERNATIONAL AIR CADET EXCHANGE

The International Air Cadet Exchange (IACE) program was established to foster international understanding, goodwill, and friendship among young people who share a common interest in aviation. The program was first conducted in 1947 between the Air Cadet League of Canada and the Air Training Corps of Great Britain. Civil Air Patrol, with the assistance of the U.S. Air Force, entered the exchange in 1948. The program has grown over the years, having involved some 41 countries at one time or another.

During 1988, 116 cadets and 19 senior escorts were exchanged with cadets from 13 other IACE Association member nations and two countries in the Pacific. Exchanges with Pacific countries are arranged and conducted bilaterally by Civil Air Patrol under similar rules and format and in conjunction with the regular IACE program. During the 19-day exchange, July 24-August 12, sponsoring organizations in each country provided visiting cadets with a variety of activities such as tours of Air Force installations; visits to aerospace industries, airports, and air traffic control facilities; orientation flights in gliders and powered aircraft; and sightseeing trips. Visitors usually stay in the homes of host families to enhance mutual understanding and cultural exchange.



ATC Course. The Air Training Command Familiarization Course conducted annually at Columbus AFB, Mississippi; Laughlin AFB, Texas; and Mather AFB, California, was attended by 108 CAP cadets. Cadets Eric Zuegg (left) and Andrew Heaton observe as a jet engine mechanic repairs a T-38 aircraft J-85 engine at Columbus AFB, Mississippi. (Photo by Scott Lindvall)

SCHOLARSHIP PROGRAM

In 1988, the Civil Air Patrol, through its national scholarship program, provided a total of \$42,250 to 53 of its members to supplement their college or vocational-technical school education. This included the Casaday-Elmore Ministerial Scholarship of \$750. Scholarships were given for study in engineering, education, humanities, theology, and science. Recipients ranged from young persons interested in learning to be aircraft mechanics to those pursuing advanced degrees in aeronautical engineering or aerospace medicine. Embry-Riddle Aeronautical University provided an additional five \$1,000 scholarships to cadets attending their institution full time. In addition to the national scholarship program, many scholarships are provided by local and state-level CAP units and other outside organizations.



International Exchange. The Massachusetts Wing hosted the ten cadets and escorts from Great Britain visiting this country during the 1988 International Air Cadet Exchange (IACE) from July 24 to August 12. The visitors' schedule included a tour of Pease AFB, New Hampshire; the State House in Boston; the New England Air Museum; and the Battleship U.S.S. Cove. Left to right, back row: RAF Lt. Drew Paterson, CAP's Brian Mullarney, Carl Bezo, Fred Belden, Massachusetts Wing Commander Col. Donald Prouty, Patricia Rooke, Mary Barker, Tim Barker, and RAF CWO Martin Heverin. Left to right, front row: British Air Cadets Simon Lieberman, Simon Cotterell, Steven Lippiatt, Iain Addinell, Peter Kane, Paul Bugg, Warren Evens, and Timothy Vaughan. (Photo by Fred E. Garber)

FLIGHT TRAINING

Civil Air Patrol allocated a total of \$29,200 in its fiscal year budget to provide locally conducted solo flight training and orientation flights for cadets. From this total, \$4,200 was provided for 28 solo flight scholarships to cadets in the 52 CAP wings and overseas units, and \$25,000 was allocated to partially fund the first of six orientation flights conducted at the wing and unit level. Scholarships covered expenses of ground school and flight training leading to solo qualification.

CAP cadets may qualify for a series of six 30-minute orientation flights. During 1988, the 52 wings and overseas units provided 6,472 cadets their first flight experience. This is an increase of 928 cadet flights over last year. Flights number two and three were provided to 7,114 cadets in the ongoing six-flight series.



Ground Search. Southeast Region CAP members 1st Lt. David L. Reed (right) and (from left) cadets Chris Melcher, Mark Kirkman, and David Hoors evacuate a simulated air crash victim during the ground search and rescue phase of the CAP National Search and Rescue Competition held at Whiteman AFB, Missouri, in September. (Photo by George Wendt)

CADET SPECIAL ACTIVITIES

Cadets earn the right to participate in several nationally conducted special activities as they progress through the structured program. During 1988, a total of 745 cadets participated in these national special activities. The most competitive and prestigious activity was the *International Air Cadet Exchange*, which involved 116 cadets and 19 adult escorts in an exchange with 13 other countries. *The Cadet Officer School*, conducted at Gunter Air Force Station (AFS), Alabama, and taught by the Air University faculty, was attended by 115 cadets from 35 CAP wings. The 10-day program featured the development and application of basic leadership and management skills.

The *Air Training Command Familiarization Course*, hosted by the Air Training Command (ATC) at one undergraduate navigator and two undergraduate pilot training bases, was attended by 108 cadets. The programs at Mather AFB, California; Columbus AFB, Mississippi; and Laughlin AFB, Texas, not only acquainted cadets with specific activities of ATC but also stimulated cadet interest in the Air Force career opportunities. *The Pararescue Orientation Courses*, basic and advanced, were conducted by the USAF Pararescue School to instruct the 128 cadet participants in the various techniques of rescue operations. This exceptionally popular 1-week basic program was

conducted at three sites: Kirtland AFB, New Mexico; Fort Knox, Kentucky; and George Washington National Forest, Virginia.

The *National Cadet Competition*, conducted at Maxwell AFB, Alabama, during the last week of December, was attended by 128 cadets and 32 escorts. A 16-member team from each of eight CAP regions competed in aerospace knowledge, physical fitness, and precision drill. The team representing the Northeast Region was the winner and was presented the Air Force Chief of Staff Sweepstakes Trophy.

The *Senator Jennings Randolph Soaring School* was conducted at Central Missouri State University with two cadets from each of the eight regions receiving ground and flight training leading to a solo flight in a nonpowered glider. The *Blue Beret Encampment* was conducted for many years as a regional activity but, due to its immense popularity, it became a national cadet special activity in 1985. The 2-week program provided instruction in survival, drill and ceremonies, flightline operations, and aircraft traffic direction and control. The entire activity was conducted at Wittman Field, Oshkosh, Wisconsin, during the annual airshow hosted by the Experimental Aircraft Association. This year, the Blue Beret activity was attended by 120 cadets and 19 senior members.

The *Air Force Computer Orientation Program (AFCOP)* was conducted at Maxwell AFB, Alabama, with 14 cadets attending. The AFCOP curriculum includes basic programming language, history, and design of computers; an orientation of computer uses within Civil Air Patrol and the USAF; and an emphasis on hands-on experience with a variety of computers. Instruction and course design were provided by personnel of the Headquarters, Standard Systems Center, Gunter AFS, Alabama.



Best Speaker. California Wing Cadet Karl Koeppen was presented the CAP Cadet Officer School Outstanding Speech Award by Air Force Col. James Willoughby during the school's graduation ceremony. (Photo by George Wendt)

EMERGENCY SERVICES

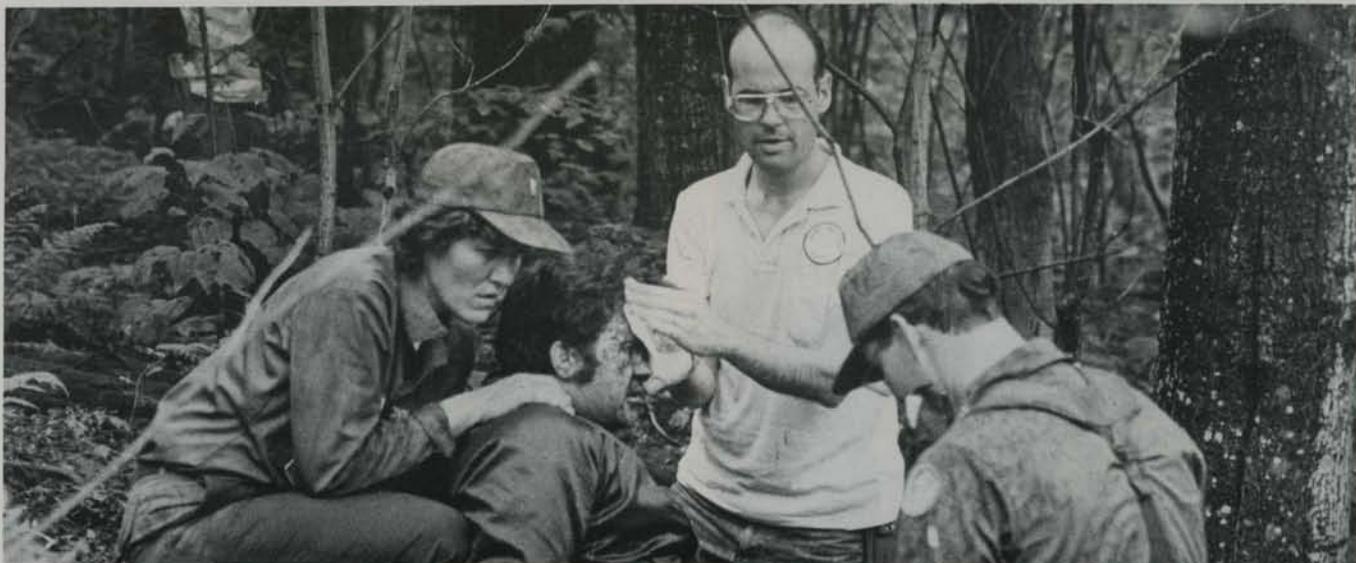
The CAP emergency services mission objective is to save lives and relieve human suffering while safeguarding the lives of CAP personnel performing the mission. Civil Air Patrol demands professionalism in organization, training, and mission execution to accomplish this service and permits only qualified members to participate in actual missions. The emergency services mission includes search and rescue in support of the Aerospace Rescue and Recovery Service in the continental United States, the U.S. Coast Guard in Puerto Rico, and the Joint Rescue Coordination Center in both Hawaii and Alaska. Additionally, the emergency services mission includes civil defense and disaster relief operations in support of local, state, federal, and other emergency services organizations. Mutual support relationships exist with the American National Red Cross, Salvation Army, Federal Emergency Management Agency, Federal Aviation Administration, U.S. Coast Guard Auxiliary, and other humanitarian organizations in conducting disaster relief operations.

During 1988, Civil Air Patrol responded to several disaster relief requests. Two such requests were during a severe snow-storm in Iowa and the fire season in Wyoming. In Estherville, Iowa, the Estherville Composite Squadron (CAP) used its four-wheel drive vehicles and radios to maintain essential emergency medical communications and ambulance transportation support. This unit also transported a doctor and eight other essential medical personnel from their residences to the hospital. In Gillette, Wyoming, the Powder River Composite Squadron (CAP) flew fire patrol over a four-county area and was credited by local fire authorities with cutting fire damage by 85 percent.



Medal Winner. Maj. John E. Pickens (right) was presented the CAP Bronze Medal of Valor by Idaho Wing Commander Col. Paul G. Dougherty for his heroic action in May 1987. Major Pickens was recognized for his rescue of a neighbor from a burning apartment.

The California Wing, under the auspices of the state, continues to support an agreement with the Northern California Transplant Bank. Under this agreement, CAP Live Organ Transport (CAPLOT) program, Civil Air Patrol provides air transportation between remote collection sites and donor banks for live tissue and organs. The wing was credited with 15 saves in 1988 and flew 17 additional life-enhancing missions, transporting live bone, hearts, livers, kidneys, and corneas.



Crash Survivor. Pilot Larry Bugbee is provided medical assistance by (left to right) 1st Lt. Suzanne Corbett, emergency medical technician Mike O'Brien, and 2nd Lt. Anthony DeAngelo. Bugbee was piloting a Cessna 172 with two passengers on board when he encountered heavy fog and crashed while attempting to find an open field to land. Massachusetts Wing CAP members joined with other emergency service agencies in searching for the downed aircraft. After the fog lifted, a helicopter located the crash site, and ground rescue personnel used direction-finding equipment to get to the densely wooded area. The two passengers had died in the crash, and the pilot suffered severe injuries. A Coast Guard helicopter was used to airlift Mr. Bugbee to the Albany Hospital, where he remained in critical condition for several days and was then upgraded to fair condition. (Photo by Nick Noyes)

SEARCH AND RESCUE

The U.S. Air Force is assigned responsibility by the National Search and Rescue Plan for coordinating inland search and rescue operations in the United States. As the civilian volunteer auxiliary of the Air Force, Civil Air Patrol is the primary resource used by the Air Force in fulfilling its responsibility for inland search and rescue.

During 1988, Civil Air Patrol flew 14,711 hours on 2,434 Air Force-assigned missions and was credited with locating 1,781 search objectives and saving 108 lives. CAP flew over 80 percent of the search hours on missions coordinated by the Air Force Rescue Coordination Center (AFRCC). CAP wings in coastal areas frequently assisted the U.S. Coast Guard in locating emergency position indicating radio beacons on boats and ships.

The high rate of inadvertent activation of emergency locator transmitters (ELT) remained a major concern. Civil Air Patrol continued to work with the AFRCC in an effort to decrease the false ELT rate. Civil Air Patrol has continued to explore and work with other agencies toward more efficient and accurate methods of locating downed aircraft and, thereby, increase the chances of saving lives.

MISSION SUMMARIES

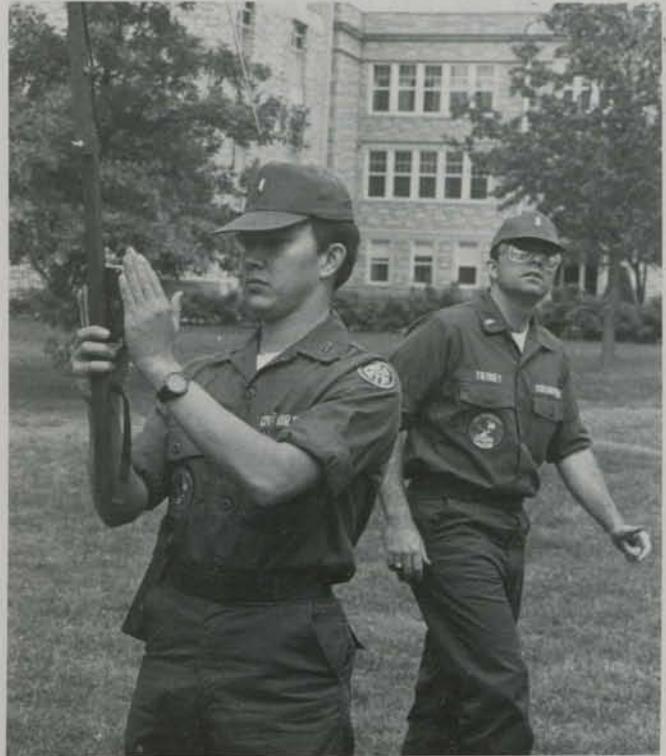
The following accounts of Air Force-authorized CAP missions that resulted in the saving of lives were extracted from official Air Force records:

SAR Dogs

Idaho. At the request of the sheriff of Chelan County, Washington, the Idaho CAP transported the Mountain-West Search Dog Unit to assist in the search for a missing 11-year-old boy. The dog unit located the boy in the vicinity of Frosty Creek, Washington, disoriented and lost in a remote area.



Senator Flies Customs Mission. U.S. Senator Tom Harkin of Iowa flies on an actual CAP Customs mission while on an inspection visit to Florida. An experienced pilot, Senator Harkin is a member of the CAP Congressional Squadron and a strong CAP supporter. (Photo by John P. Swain)



Direction Finder. Southeast Region ground team members 1st Lt. David L. Reed (left) and 1st Lt. John M. Tierney take a reading on an ELT direction finder during the CAP National Search and Rescue Competition held at Whiteman AFB, Missouri, on September 4-5.

Missing Persons

California. At the request of the Humboldt County sheriff, California CAP assisted in the search for two 19-year-old men missing overnight in the vicinity of Eureka, California. California CAP located the men near Snow Camp Lake suffering from exposure and frostbite. A ground team recovered the survivors to a hospital in Eureka.

ELT Signal

Illinois. Illinois CAP was alerted to investigate an ELT signal being heard in the Waterloos, Illinois, area. Illinois CAP used handheld direction-finding equipment to locate the distress signal, which was coming from an aircraft which had crashed at the end of a runway at an unmanned airport 25 miles southeast of St. Louis, Missouri. The injured pilot was transported by ambulance to a local hospital.

Bear Taggers

Alaska. Alaska CAP assisted the Alaska State Troopers in the search for a Bell 206 helicopter with two employees of the Alaska Fish and Wildlife Agency overdue in returning from a field trip. The men had been tagging polar bears with radio collars. Search aircraft were able to pinpoint the location of the downed helicopter by tracking signals from the radio collars.

Metroliner Crash

Colorado/New Mexico. Colorado and New Mexico searched for a crashed Continental Express commuter aircraft with 17 persons on board. Colorado CAP located the downed aircraft in the vicinity of Durango, Colorado. SAR forces used ground teams to recover 17 persons, 9 of whom were deceased. Colorado and New Mexico CAP were jointly credited with six assists and two saves.

Missing Canoeist

Minnesota. At the request of the sheriff of Lake County, Minnesota, the Minnesota CAP assisted in the search for two women overdue in returning from a canoe trip. A Minnesota CAP aircrew located the missing women at Clear Lake Portage and the Lake County sheriff recovered them by boat.

Poison Victim

Michigan. A 20-month-old boy who had swallowed automobile windshield washer solvent containing methanol was taken to Calumet Public Hospital, Michigan, for treatment. Upon request of the hospital, Michigan CAP delivered a sample of the child's blood to the Blodgett Regional Poison Control Center in Grand Rapids, Michigan, for analysis to determine proper treatment.

Downed Balloon

Utah. A helium balloon with two persons on board was reported missing after departing Disneyland Park, California, to an unknown destination. Its last known position was Bryce Canyon, Utah, entering a weather front with high winds and snow. Utah CAP and the sheriff of Garfield County, Utah, located the downed balloon in the vicinity of Bryce Canyon. A ground team recovered the two survivors to a hospital in Panguitch, Utah.



Turner Award. Tennessee Wing Commander Col. Charles Barksdale (center) was presented the 1987 Paul W. Turner Safety Award by CAP National Commander Maj. Gen. E. E. Harwell (left) and CAP Executive Director Air Force Col. John T. Massingale, Jr. The 1987 Turner Award was the second consecutive award for the Tennessee Wing's safety program. (Photo by George Wendt)



Lifesaving Award. Lt. Col. Ed L. Dezomits of Michigan Wing's Enterprise Group IV was presented a CAP Lifesaving Award during a Michigan Wing Conference in recognition of his quick action that resulted in saving the life of a 2-year-old girl. Lt. Col. Dezomits removed an obstruction from the child's throat and restored her breathing. From left, Great Lakes Region Commander Col. Jack Hornbeck, Lt. Col. Ed Dezomits, and Michigan Wing Commander Col. Kenneth Redington. (Photo by Anne Louise Baird)

Takeoff Crash

Alaska. In response to a request from the Alaskan Air Command Rescue Coordination Center, an Alaska CAP aircrew narrowed an ELT signal to the Wasilla, Alaska, area and a CAP cadet ground team used direction-finding equipment to locate an Aeronca Champ that had crashed on takeoff with two persons on board. An Army National Guard helicopter recovered the two survivors.



Suspicious Boat. U.S. Senator Tom Harkin of Iowa flies on a CAP Customs mission, identifying suspicious boats that may be bringing illegal drugs into Florida. These high speed boats are reported to U.S. Customs officers for interception and search. (Photo by John P. Swain)

Overdue Boat

Minnesota. Minnesota CAP was requested to assist in searching for a pleasure boat with three persons on board overdue in returning from a fishing trip on Mille Lacs Lake. Minnesota CAP located the boat adrift on the lake, and the survivors were recovered by the Mille Lacs County sheriff.

Helicopter Crash

Arizona. A helicopter with four persons on board was reported missing while enroute from Lordsburg, New Mexico, to Phoenix, Arizona. Arizona CAP located the downed aircraft, and the four survivors were recovered by helicopter to the Graham County Hospital in Safford, Arizona.

Bush Rescue

Alaska. The Alaskan Air Command Rescue Coordination Center requested Alaska CAP to search for an overdue light aircraft. The pilot of the downed aircraft signaled CAP search planes and used a portable radio to communicate that he was not injured. Alaska CAP aircraft stayed on station until an aircraft capable of landing in the bush arrived and recovered the pilot. A save was credited to Alaska CAP due to the remoteness of the site and the harsh environment.



Texas Rescue. While involved in a 4-day river raft trip, members of the Texas Wing Addison Eagles Composite Squadron became involved in a life-saving rescue operation. After completing the day's raft ride, the Texas Wing members heard cries for help from a group of four people who were "tubing" down the flooded Guadalupe River. Squadron Commander Capt. Steve Robinson directed members downriver to a bridge where two children were subsequently rescued from the swift currents. The CAP Silver Medal of Valor was later awarded to Capt. Steve Robinson, 2nd Lt. Emmette Hohensee, and Chaplain Joseph Quillian.



CAP Customs Mission. U.S. Rep. Rod Chandler (right) of Washington's Eighth District, inspects a CAP aircraft used to search along the Florida coast for illegal drug traffic. Congressman Chandler, a strong supporter of the CAP drug surveillance mission, has flown on actual CAP Customs missions. (Photo by John P. Swain)

Lost Hikers

Colorado. Colorado CAP assisted the Colorado SAR Board and the Fremont County sheriff search for two missing hikers. Colorado CAP located the two hikers near Canon City, Colorado, and the Air Force 1550th Combat Crew Training Wing at Kirtland AFB, New Mexico, used a helicopter to recover the survivors, who were suffering from severe exposure and dehydration.

Thin Ice

Alaska. Alaska Wing CAP was requested to search for two people traveling by snowmobile who were overdue in returning from a trip 60 miles north of Nome. Alaska Wing CAP located the two stranded people whose snowmobile had broken through thin ice. An Alaska State Trooper ski-equipped aircraft was used to recover the two survivors.

Medical Mission

Idaho. While involved in the search for a missing aircraft, Idaho Wing CAP was requested by the Magic Valley Regional Medical Center to transport medicine for a heart attack victim. Idaho Wing CAP made available an aircraft not active in the search mission and flew the medicine from Poncatello and Boise, Idaho, to Twin Falls, Idaho, in time to relieve the medical crisis.

Stranded Boaters

Alaska. A boat with three persons on board was reported 24 hours overdue on a trip from Dillingham to Lake Aleknagik, Alaska. Alaska CAP located the boaters at an abandoned cabin, where they had been stranded after the boat's engine failed. Alaska State Troopers recovered the survivors.

Crashed Cessna

Arizona. A Cessna 182L with two persons on board was reported missing while enroute from Winslow, Arizona, to Cedar City, Utah. Arizona and Utah CAP participated in the search. The downed aircraft was located by Arizona CAP near Jacob's Lake, Arizona. The two survivors were recovered to a hospital in Flagstaff, Arizona.

Organ Donor

Arkansas. The Arkansas Organ Donor Program requested Arkansas CAP assistance in transporting a blood sample needed to confirm the compatibility of organs required for immediate transplant. Arkansas CAP transported the sample from Fayetteville to Little Rock, where a positive match was confirmed and the transplant performed.

ELT Signal

Texas. Texas Wing CAP was requested to investigate an ELT signal being heard in the Liberty, Texas, area. Texas Wing CAP used airborne direction-finding equipment to locate the signal coming from a Cessna 170A which had crash landed eight miles north of Sour Lake, Texas. Texas Wing CAP directed a Beaumont Baptist Air Rescue unit to the crash site, and two survivors were recovered by helicopter. Two saves were jointly credited to Texas Wing CAP and Beaumont Baptist Air Rescue.

Overdue Snowmobile

Alaska. A man was reported overdue on a 5-hour trip by snowmachine from Nome to Golovin, Alaska. An Alaska CAP aircrew located the man, who had spent the night without



Virginia Award. CAP Cadet Glenn R. Ritchie, in his midshipman second class uniform, was presented the Gen. Carl A. Spaatz Award by Gen. Alfred M. Gray, commandant of the Marine Corps. Cadet Ritchie is a member of Virginia Wing's West Richmond Cadet Squadron and is enrolled in the Navy ROTC at the University of Virginia. Ritchie will accept a commission into the Marine Corps upon graduation.



Historic Aircraft. Capt. Bill Duval of California Wing's Shasta Composite Squadron holds a CAP Certificate of Appreciation to be presented to Mr. Hub Johnson in recognition of his efforts to preserve CAP heritage through restoration of a Beechcraft Model 17 cabin biplane which was flown 1,320 hours in support of CAP wartime missions between 1942 and 1945. The CAP National Historical Committee traced the aircraft to Mr. Johnson, its 27th owner since construction in 1935. Mr. Johnson purchased the aircraft completely disassembled in 1975 and is still working toward his goal of complete restoration. (Photo by George Sinslip, courtesy of the Redding Record-Searchlight)

survival equipment after his machine had broken down. An Alaska State Trooper ground team was guided to the site by the CAP crew.



Nebraska Award. Nebraska Wing Commander Col. Richard L. Anderson accepts the "Number Three in the Nation" award from CAP National Commander Maj. Gen. E. E. Harwell during award ceremonies at the CAP National Board Meeting in Washington, D.C. The award recognized the Nebraska Wing's relative performance in the 52 CAP wings' competition under the CAP Management Analysis Program during 1987. (Photo by George Wendt)



Number One. The CAP Management Analysis Program (CAP-MAP) recognizes the top performing wing in each region as one of the "Top 8 of the 80s," and the top three performing wings in the nation receive additional recognition. Kansas Wing Commander Lt. Col. Patricia A. Lane was presented a plaque by CAP National Commander Maj. Gen. E. E. Harwell recognizing the Kansas Wing as "Top 8 of the 80s" winner in the North Central Region and as "Number One in the Nation." (Photo by George Wendt)

CAP CUSTOMS MISSION

On November 14, 1985, Civil Air Patrol, the U.S. Air Force, and U.S. Customs Service entered into an agreement whereby Civil Air Patrol would assist the U.S. Customs Service by performing air surveillance reconnaissance flights along the boundaries of the United States in support of the government's drug interdiction effort. CAP aircraft operating costs are paid by the Air Force with Customs Service reimbursing the Air Force. CAP support is limited to data-gathering flights and supporting communications of a passive nature. The program began along the Florida coast, with Civil Air Patrol being on call to check on suspicious vessels, and is now expanded into all areas of the United States. Approximately 3,500 CAP members have been trained in the Customs drug mission, and Civil Air Patrol now flies about half of the Customs Service surveillance/patrol flying hours. By the end of December, Civil Air Patrol had flown 4,236 hours on 1,112 missions.

The following information was reported by the U.S. Customs Service concerning missions flown by Civil Air Patrol during fiscal year 1988. As a direct result of these missions, the following contraband was seized: 2,580 pounds of marijuana, 1,908 pounds of cocaine, two vessels, two aircraft, one trailer, and two vehicles. In addition, these missions resulted in 8 arrests, 2,341 vessels identified, 121 vessels intercepted, 102 unmarked airstrips identified, and 36 suspect airstrips located.

AIR FORCE PARTS AND PERSONNEL TRANSPORT

Although a limited activity, Civil Air Patrol's role in transporting aircraft parts, personnel, and other items is benefiting both Civil Air Patrol and the Air Force. Some Air Force bases are central supply points or have satellite operations nearby. When there is a need for this support, Civil Air Patrol can transport the required items and allow combat support aircraft to maintain operational status without delays of scheduled transportation. This also permits Air Force wings to better manage their valuable aircrew training time. One example is in Alaska, where the CAP wing supports the Alaskan Air Command with light transport to some of its remote radar sites.

FLIGHT CLINICS

Civil Air Patrol promotes flight safety by sponsoring flight clinics to increase or maintain basic flight skills of CAP pilots. These clinics are sometimes held in association with the Federal Aviation Administration (FAA), Aircraft Owners and Pilots Association, or other flight safety organizations. The clinics include ground instruction in essential subjects such as flying safety, FAA regulations, emergency procedures, flight planning, and aviation weather. Participants also demonstrate safe aircraft piloting skills to an FAA-certified flight instructor or a qualified CAP check pilot. During 1988, a total of 1,768 CAP pilots participated in CAP flight clinics held throughout the country.

CIVIL PREPAREDNESS AND DOD SUPPORT

Civil preparedness is essential to the United States deterrent posture. Accordingly, the Joint Chiefs of Staff are authorized to call upon the military services for resources needed to support civil preparedness. Civil Air Patrol, as the official Air Force auxiliary, is a valuable asset to the Air Force in assisting with this mission. Civil Air Patrol has worked with the Federal Emergency Management Agency (FEMA); Federal Aviation Administration (FAA); U.S. Army Forces Command (FORSCOM); and various Army, Navy, Coast Guard, and other DOD agencies to develop plans for supporting civil and military noncombatant requirements. Civil Air Patrol tasking in support of national agencies includes:

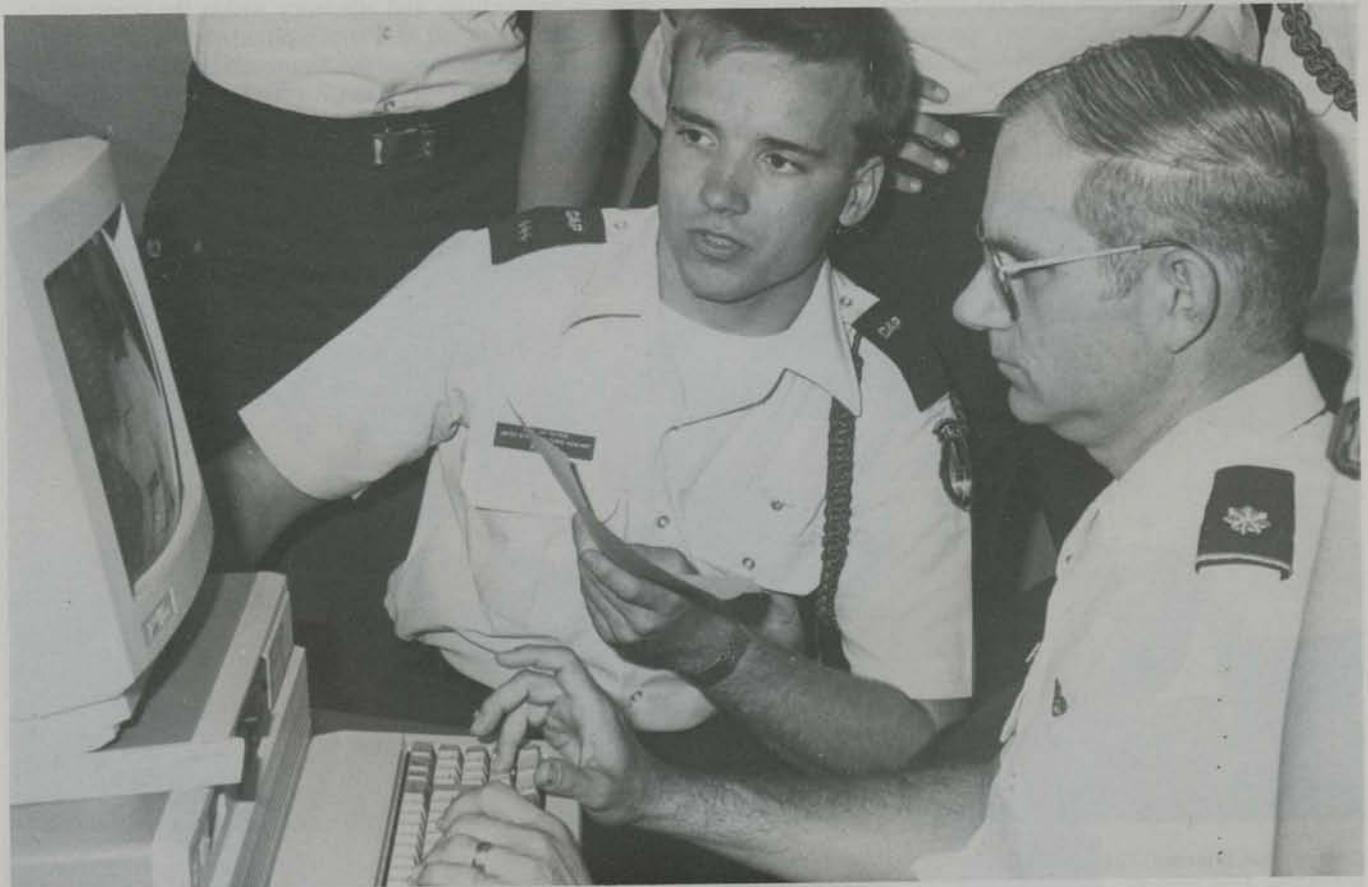
- Search and rescue (SAR)
- Damage assessment, visual and photographic
- Airborne radiological monitoring
- Communications: HF, VHF, and VHF-FM
- Courier flights for personnel, small parts, and documents
- Continental U.S. Airborne Reconnaissance for Damage Assessment (CARDA)
- Natural disaster response and support
- Medical evacuation/transportation

- Radar and/or communications systems evaluation
- Coastal area surveillance
- IR/VR low level training route surveys
- State and Regional Disaster Airlift (SARDA) plans

In 1988, Civil Air Patrol flew 20 sorties and approximately 60 hours in support of the Army Forces Command (FORSCOM) Emergency Regional Reporting Test. This demonstrated the capability of Civil Air Patrol to transport vital documents between joint state defense commands and regional defense commands during a period of national emergency.

MILITARY TRAINING ROUTE SURVEYS

Civil Air Patrol helps assure the safety of Air Force aircrews by providing aircraft to survey military low-level flight training routes for hazards and environmental factors. Established military training routes allow military pilots to practice low-level bomb, airdrop, and reconnaissance missions. The routes selected enable a realistic, yet safe, mission to be flown with the least possible environmental impact. The FAA requires an aerial visual survey to be flown below 1,000 feet—once down the center and once along each side. During 1988, 61 training route survey missions were flown by Civil Air Patrol.



Computer Exercise. The CAP Cadet Officer School was conducted at Gunter AFB, Alabama, with 115 cadets from 35 wings attending. Texas Wing Cadet Richard Kern observes as Air Force Reserve Maj. Gary S. Roberts from Missoula, Montana, operates a wargaming program as a Project Warrior exercise. The computerized program was among the additions to the Cadet Officer School curriculum. (Photo by George Wendt)

COMMUNICATIONS

The communications mission of the Civil Air Patrol is to organize and maintain a reliable, nationwide, point-to-point ground and air mobile radio capability for use during emergencies and for training communications personnel. Civil Air Patrol, with its dispersed units located nationwide, has established a comprehensive communications network consisting of over 32,000 fixed, ground mobile, air mobile, and repeater stations licensed by the Federal Communications Commission.

Throughout 1988, the Civil Air Patrol continued to provide vital communications support to local, state, and federal agencies during disaster relief, search and rescue, and many other emergency situations. CAP communicators used state-of-the-art, high frequency (HF) and VHF radios and repeaters in supporting Air Force Rescue Coordination Center (AFRCC) search missions as well as interfacing with state emergency management centers (EOC), the National Communications System, and other organizations and agencies. To enhance continued reliability and improve its capability, CAP communications were activated daily with initiation of Civil Air Patrol's National Command Network. CAP regions activated networks to their respective wings, wings to groups and squadrons, and, finally, a VHF-FM broadcast to the most remote units to ensure positive communications coverage. In addition to the National Command Network, special networks are organized for specific purposes using the varied frequency spectrum on both HF and VHF, thus enabling Civil Air Patrol to operate many networks simultaneously without communications interference. This intensive operations coverage by the CAP communications

system demonstrated its interface capability with other agencies to provide an effective and cohesive nationwide communications support.

One of Civil Air Patrol's primary goals is to strengthen its communications capability by improving operational networks for commanders in order to more effectively communicate with their superiors and subordinate commanders. To enhance this goal, the communications system was upgraded with the purchase of modern technology equipment. In 1988, 52 HF radios, 102 VHF-AM, and 159 VHF-FM radios, with supporting power supplies and generators, were provided. This equipment, maintained and operated by CAP communicators, dramatically improves the responsiveness of Civil Air Patrol to current and future mission functions during disaster situations, especially in the event of a national emergency.

In the past year, Civil Air Patrol planned and initiated a "no-notice" wing operational effectiveness exercise designed to evaluate all emergency services resources in a "real world" scenario, with emphasis on tactical communications support and mobility. Thus far, CAP communicators have performed in a highly professional manner and responded extremely well to support the goals of the exercise. CAP communicators gained valuable experience in these exercises. Civil Air Patrol looks ahead to 1989 with great enthusiasm. The goal is to continue to improve productivity and efficiency within the communications system. The Civil Air Patrol is proud of their communicators whose commitment to the "communication mission" has earnestly endeavored to make Civil Air Patrol the best trained, most proficient and active body of volunteer communicators in the nation.



Competition Winners. The North Central Region team won top honors in the 1988 CAP National Search and Rescue Competition held at Whiteman AFB, Missouri, on September 3-4. The winning team narrowly edged out the Northeast Region team to win by 12 points. The biennial event provides an opportunity for the best CAP emergency services personnel from throughout the nation to improve skills, exchange information and techniques, and develop teamwork and professionalism. Col. Charles R. Hagerhjelm, commander of Aerospace Rescue and Recovery Service (ARRS) (sixth from left), presents the ARRS Commander's Trophy to the winning team. (Photo by George Wendt)

Teacher Award. Patricia B. Johnson (left) of Helena, Montana, was the 1988 recipient of the A. Scott Crossfield Aerospace Education Teacher of the Year Award. Also pictured with Mr. Crossfield are 1987 winner Melba Iris Harris (right) and 1986 winner Robin Kline. The award was presented during the National Congress on Aviation and Space Education held in Los Angeles, California, on March 24-26. (Photo by George Wendt)



Red Cross Support. Lt. Col. Jon A. Kelly, commander of New York Wing's Tri-Counties CAP Group, presents a plaque to Saratoga County Red Cross representatives Karen Decoteau (left) and Louise Hawk in appreciation of American Red Cross support. Their Red Cross chapter provided more than \$8,000 in food and lodging in support of CAP emergency services teams engaged in a 12-day search for a missing aircraft. (Photo by Susan Malcolm)





Computer Course. The third annual Air Force Computer Orientation Program for CAP cadets was conducted on June 20-24 at Maxwell AFB, Alabama, for 14 cadets from across the nation. The course acquainted the cadets with computers and software used in today's Air Force. Virginia Wing Cadet Michael Purdue checks on programs available for use on the Zenith Data Systems computer, while Missouri Wing Cadet Janette Taylor experiments on the computer as she develops her own program. (Photo by George Wendt)

Alabama Wing Cadet Encampment. Cadet Lincoln D. Schroeder of Alabama Wing's Huntsville Composite Squadron was one of the 60 cadets attending the Alabama Wing Cadet Encampment held at Maxwell AFB, Alabama, on July 24-29. While at Maxwell, the cadets were treated to a tour of the CAP National Headquarters and a visit to the CAP Bookstore to shop for uniform items. (Photo by George Wendt)





Air Force Academy Honor Roll. Douglas R. Hill graduated from the Air Force Academy in the Class of 1988. The former CAP cadet member of Ohio Wing's Parma Cadet Squadron ranked highest in order of merit of all former CAP cadets in his class. He earned the privilege of having his name inscribed on the Honor Roll scroll that hangs in Arnold Hall. In an unusual ceremony this year, CAP Lt. Col. Bill Madsen was asked by Brig. Gen. Sam W. Westbrook III (right), Academy commandant of cadets, to present the personal honor roll plaque to Cadet Hill. Col. Howard J. Rice (left), USAF-CAP Rocky Mountain Liaison Region commander, also participated in the ceremony.

Air Training Command Familiarization Course. An Air Force Life-Support Systems technician assists a CAP cadet in fitting an oxygen mask during the Air Training Command Familiarization Course. The program is hosted annually by the Air Training Command at three undergraduate pilot and navigator training bases. The bases are Columbus AFB, Mississippi; Laughlin AFB, Texas; and Mather AFB, California. The 108 enthusiastic cadets attending the week-long activity in 1988 were introduced to all aspects of the flight training program. (Photo by George Wendt)



CIVIL AIR PATROL NATIONAL BOARD MEMBERS

(As of 31 December 1988)



NATIONAL COMMANDER
Maj. Gen. Eugene E. Harwell
CAP



NATIONAL VICE COMMANDER
Brig. Gen. Edgar M. Bailey
CAP



EXECUTIVE DIRECTOR
Col. John T. Massingale, Jr.
USAF



NATIONAL CHIEF OF STAFF
Col. George R. Way
CAP



**COMMANDER
NORTHEAST REGION**
Col. Roy I. Arroll
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**COMMANDER
MIDDLE EAST REGION**
Col. David R. Ellsworth
(North Carolina)



**COMMANDER
GREAT LAKES REGION**
Col. Jack R. Hornbeck
(Indiana)



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Col. William C. Tallent
(Tennessee)



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NORTH CENTRAL REGION**
Col. Gerald S. Holliday
(Missouri)



**COMMANDER
SOUTHWEST REGION**
Col. Harold W. Bowden
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ROCKY MOUNTAIN REGION**
Col. Virginia E. Smith
(Utah)



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PACIFIC REGION**
Col. Warren J. Barry
(California)

NATIONAL FINANCE OFFICER
Brig. Gen. Johnnie Boyd
CAP



NATIONAL LEGAL OFFICER
Col. Maurice E. Cook
CAP



WING COMMANDERS

NORTHEAST REGION

CONNECTICUT

Col. Howard E. Palmer

MAINE

Col. David J. Braun

MASSACHUSETTS

Col. Donald N. Prouty

NEW HAMPSHIRE

Col. George G. Heald

NEW JERSEY

Col. Frederick G. Camenzind

NEW YORK

Col. Herman H. Botie

PENNSYLVANIA

Col. Raymond F. Schuler

RHODE ISLAND

Col. Raymond G. Berger

VERMONT

Col. Gary A. Skogebo

SOUTHWEST REGION

ARIZONA

Lt. Col. Gilbert H. Day

ARKANSAS

Col. A. G. Melson

LOUISIANA

Col. Wallace P. Ansardi

NEW MEXICO

Col. Robert B. Haulenbeek, Jr.

OKLAHOMA

Col. Ramon L. Busick

TEXAS

Col. Thomas L. Todd

MIDDLE EAST REGION

DELAWARE

Col. Herbert M. Wood

MARYLAND

Col. Clifford A. Parks

NATIONAL CAPITAL

Col. Costello N. Robinson

NORTH CAROLINA

Col. Jack D. Moorefield

SOUTH CAROLINA

Col. Douglas T. Abercrombie

VIRGINIA

Col. Herman H. Maddox, Jr.

WEST VIRGINIA

Col. James M. Hazelrigg

NORTH CENTRAL REGION

IOWA

Lt. Col. Ramona J. Shaver

KANSAS

Lt. Col. Christopher N. Fox

MINNESOTA

Col. Alan K. Brandon

MISSOURI

Col. Joseph D. McMillan

NEBRASKA

Col. Richard L. Anderson

NORTH DAKOTA

Col. Paul E. Eide

SOUTH DAKOTA

Col. Jerry A. Hayden

GREAT LAKES REGION

ILLINOIS

Col. Lawrence F. Lis

INDIANA

Col. Peter C. Crasher

KENTUCKY

Col. William K. Hughes

MICHIGAN

Col. Kenneth C. Redington

OHIO

Col. Larkin C. Durdin

WISCONSIN

Col. Arthur R. Shanley

SOUTHEAST REGION

ALABAMA

Col. Glen D. Atwell

FLORIDA

Col. Richard E. Leighton

GEORGIA

Col. James A. Hyde, Jr.

MISSISSIPPI

Col. Therrell D. Fortune

PUERTO RICO

Col. John J. Gonzalez

TENNESSEE

Lt. Col. Dennis O. Sparks

ROCKY MOUNTAIN REGION

COLORADO

Col. Roger E. MacDonald

IDAHO

Col. Paul G. Dougherty

MONTANA

Col. Lance J. Edwards

UTAH

Col. E. Woodrow Walton

WYOMING

Col. Darlene G. Gilmore

PACIFIC REGION

ALASKA

Col. Troy G. Sullivan

CALIFORNIA

Col. V. Lee White

HAWAII

Col. John A. Parrish, Jr.

NEVADA

Col. Don L. Schwartz

OREGON

Col. Grant D. Cochran

WASHINGTON

Col. William H. Hamilton

The National Board is the principal governing body of the Civil Air Patrol. The Board is comprised of the National Commander, Executive Director (also Commander, CAP-USAF), National Vice Commander, National Chief of Staff, National Finance Officer, National Legal Officer, and the 8 region and 52 wing commanders. The Board meets at least once annually at the call of the National Commander, who presides as chairman.

The National Executive Committee (NEC) is the governing body when the National Board is not in session. The NEC meets at least twice annually and is comprised of all National Board members except the 52 wing commanders. NEC members are shown in photographs on these pages, and wing commanders are listed under their respective regions.

In addition to the above, the CAP structure includes two other corporate officers who are not members of the governing bodies. The National Administrator, Brig. Gen. Carl S. Miller, USAF (Ret.), is a full-time CAP employee who performs duties as assigned by the National Executive Committee and National Commander. Col. June G. Ruth, CAP, serves in the elected position of National Controller.



Mutual Support. Operating under a 1985 agreement, the American National Red Cross and Civil Air Patrol continued the long-standing mutual support relationship during 1988. Civil Air Patrol supported the Red Cross by transporting human blood in emergency situations and cooperated in disaster relief operations. Civil Air Patrol also supported the Red Cross in its program for obtaining human tissue for transplantation by providing transportation for Red Cross personnel for collection of donor tissue and transport of tissue to central distribution centers. (Photo by George Wendt)



National Search and Rescue Competition. CAP cadets supported the CAP National Search and Rescue Competition held at Whiteman AFB, Missouri, by refueling and servicing aircraft participating in the activity. The biennial event, held over the Labor Day weekend, tested the skills of teams representing each of the eight CAP regions. The North Central Region team won top honors by edging out the Northeast Region team, which won the competition in 1986. (Photo by George Wendt)

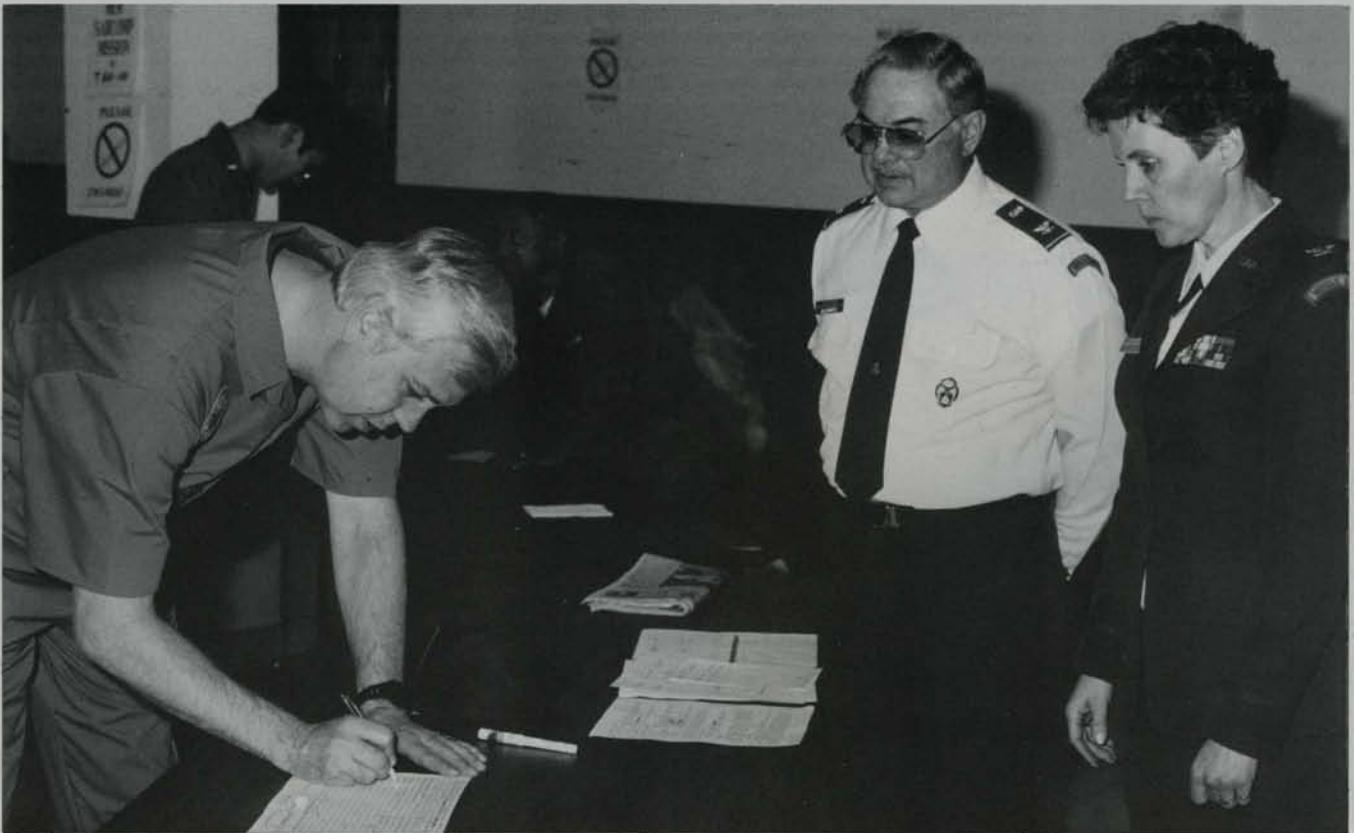
Medal of Valor. Cadet Douglas Alexander (left) and Capt. Scott Stravitz of Arizona Wing's Deer Valley Composite Squadron wear Civil Air Patrol's Bronze and Silver Medals of Valor, respectively, as Carol Gleason displays one of the Medal of Valor certificates that accompanied the awards. The medals were awarded during the Arizona Wing Conference in recognition of exemplary action in the rescue of a hiker. The hiker was Ms. Gleason, who fell from a cliff in the White Tanks Mountain Preserve and was critically injured. She was rescued by Deer Valley Composite Squadron members who were on a field training exercise at the time of the accident. Capt. Stravitz, a registered nurse, was first on the scene and administered first aid to Ms. Gleason. Cadet Alexander arrived soon after and assisted Capt. Stravitz.



SARCOMP Team Inspected. Air Force Lt. Col. James E. Wren (right), of the USAF-CAP Rocky Mountain Liaison Region, inspects members of the Southeast Region team during their participation in the CAP National Search and Rescue Competition held at Whiteman AFB, Missouri. Lt. Col. Wren was a member of the Air Force staff that evaluated and graded team performance in the various phases of the competition. The team representing the North Central Region placed first in the event. (Photo by George Wendt)



Commander's Award. Rocky Mountain Region Commander Col. Virginia Smith received the Air University Commander's Safety Award from Air University Commander Lt. Gen. Ralph E. Havens and CAP National Commander Maj. Gen. E. E. Harwell. Colonel Smith accepted the award on behalf of all members of the region. The award was presented during the CAP National Board Meeting in Washington, D.C. (Photo by George Wendt)



SAR Competition. U.S. Rep. Rod Chandler of Washington's Eighth District signs in during the Middle East Region Search and Rescue Competition. Congressman Chandler was welcomed by Middle East Region Commander Col. David Ellsworth and Region Vice Commander Col. Joyce Brookshire. A member of the CAP Congressional Squadron, Congressman Chandler attended the competition to observe the exercise operations. (Photo by Larry Webb)

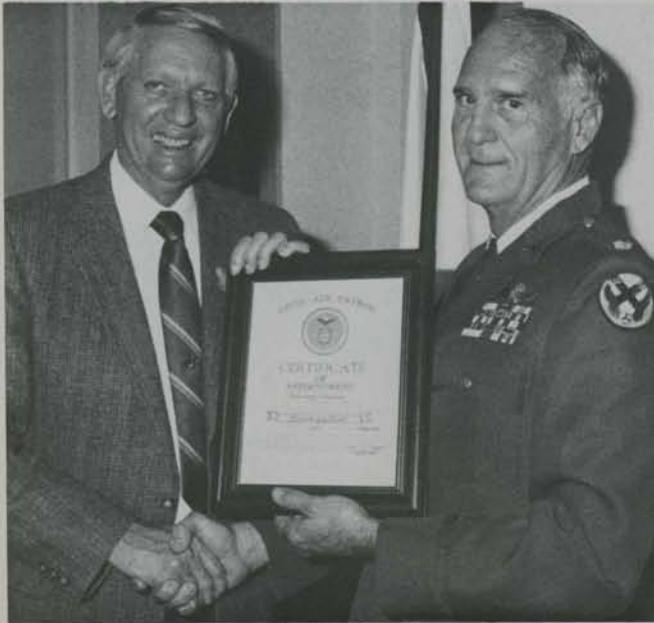
SENIOR MEMBER TRAINING

For any organization to be consistently successful, it must have dedicated leaders with well developed management and leadership skills. This is particularly true of a volunteer organization such as Civil Air Patrol, where the only pay received is the satisfaction of having contributed to a meaningful national service. To provide these skills from a diverse membership of varied education and skill levels, a strong and standardized training program is an absolute necessity. Not only must members be trained to support the cadet program, aerospace education, and emergency services, they must also be trained to do the routine day-to-day jobs. Senior members diligently train on-the-job and through self-study in 17 specialty tracks such as personnel, logistics, finance, and administration, which are fundamental to any successful organization.

The Senior Training Directorate at National Headquarters identifies training needs and develops required programs in relation to the demonstrated and expressed desires of CAP members to fulfill the purposes and accomplish the mission of Civil Air Patrol. The directorate staff works with CAP members in the field at all levels to develop curricula for courses to be conducted by CAP personnel. To facilitate the educational development of senior members, the CAP senior training program is organized into five levels.

Level I. CAP Orientation Course

The Level I CAP Orientation Course is presented in two parts. The first part provides basic information on the history



Governor Chaplain. Gov. Guy Hunt of Alabama became a CAP member as Alabama Wing Commander Lt. Col. Glen Atwell presented the governor's honorary chaplain certificate. Governor Hunt is assigned to Alabama Wing's Cullman Composite Squadron. The Alabama governor is pastor of the Mt. Vernon and Gum Pond Primitive Baptist churches, both located in Cullman County, Alabama. (Photo by George Wendt)



Wing Historian. Lt. Col. N. 'Lee' Ragan of the Texas Wing was presented the Wing Historian of the Year Award by CAP National Commander Maj. Gen. E. E. Harwell during the meeting of the CAP National Board in Washington, D.C. Lt. Col. Ragan is an active member of the CAP National Historical Committee. (Photo by George Wendt)

and organization of Civil Air Patrol, career development programs, CAP customs and courtesies, proper wear of the CAP uniform, basic principles of leadership and management, and the cadet protection program. This is accomplished through self study using a kit of materials known as the Senior Member Handbook. The second segment of the course is a slide/tape presentation which reinforces the basic instruction areas. During 1988, 27,346 CAP members completed Level I training requirements. Graduates of Level I receive the basic Membership Award.



Essay Award. Illinois Wing Cadet Kevin Dascher accepts the award for best CAP Cadet Officer School essay from HQ CAP-USAF Deputy Chief of Staff for Training Air Force Col. James Willoughby during the school's graduation ceremony. (Photo by George Wendt)

Level II. Technical Specialty Training and Officer Development

In this training level, senior members begin to train in one or more of the CAP specialties and learn to perform unit functions. Study guides are provided and the trainee is encouraged to study CAP directives pertaining to the selected specialty. Often, new members train under an experienced member in an on-the-job training situation.

CAP Squadron Leadership Schools are conducted locally to augment training in Level II specialties and to further enhance knowledge of leadership and management. In these weekend schools, members are provided a working knowledge in the various specialties and are given in-depth instruction in the specialty of their choice. Members also learn to handle certain CAP-unique leadership and counseling situations as well as receive instructions on planning unit meetings and activities. Perhaps as important as the course itself is the opportunity for members from the same geographical area to get to know each other and, subsequently, work as a team in developing and conducting activities.

In addition to the CAP-conducted training, senior members complete a comprehensive CAP Officer Course administered by the USAF Extension Course Institute (ECI) at Gunter AFB, Alabama. In 1988, 1,093 CAP personnel completed Level II senior training requirements; with a total of 2,060 CAP members attending 118 Squadron Leadership Schools. Graduates of Level II training receive a certificate of proficiency in recognition of their training and educational achievements.



Wing Awards. South Carolina Wing Commander Col. Douglas T. Abercrombie was presented an award by CAP National Commander Maj. Gen. E. E. Harwell recognizing the South Carolina Wing as one of the "Top 8 of the 80s" and as "Number Two in the Nation." The CAP Management Program (CAP-MAP) awards were presented in recognition of the wing's top performance in the Middle East Region and its number two ranking in national performance. (Photo by George Wendt)



Squadron Award. Lt. Col. Charles M. Cavanaugh (left), commander of the Fairfax Composite Squadron, was presented the National Capital Wing Squadron of the Year Award by Wing Commander Col. Costello N. Robinson. (Photo by Francis Saterlee)

Level III. Management

Central to Level III training is the Corporate Learning Course. Training is conducted over a weekend and concentrates on an in-depth study of managerial functions within a CAP organization. It is designed to provide senior members with the practical knowledge necessary for squadron management. Additionally, to complete Level III training, members must hold a command or staff position for one year, advance to senior level in the specialty area selected in Level II, and participate in CAP activities at wing or higher level. In 1988, 709 CAP members completed Level III, with 1,409 attending 80 Corporate Learning Courses. Graduates of Level III receive the Grover Loening Aerospace Award.

Level IV. Command and Staff

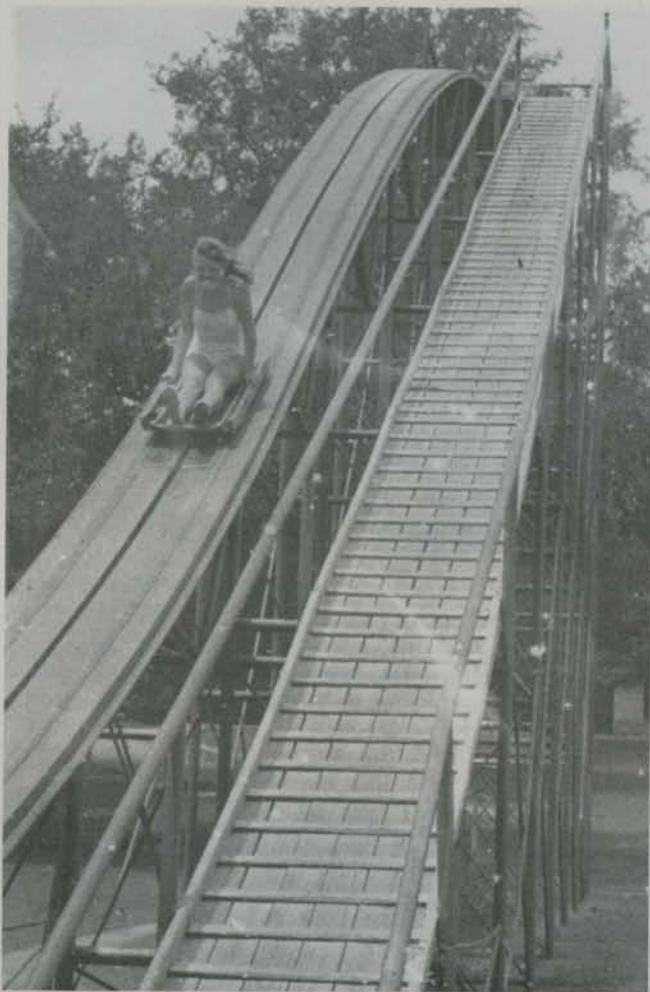
The training program for this level is designed to prepare senior members for advanced leadership positions in Civil Air Patrol. Members are expected to represent Civil Air Patrol in their communities by making presentations before local civic groups, church groups, governmental agencies, etc. Members must also attend a 1-week staff college, conducted annually in each of the eight CAP regions. The college provides training in communication, leadership, and management skills for squadron-level commanders and staff officers. In 1988, 249 senior members graduated from region staff colleges. Additionally, in this phase of training, members must take a more active role in CAP national, regional, and wing events and continue their service in a command or staff position. CAP officers completing Level IV Senior Training totaled 348 in 1988. Graduates of this level receive the Paul E. Garber Award.

Level V. Executive

Only the most dedicated senior members will attain this level of training. To do so, they must assume greater responsibility for CAP activities. To progress in this phase of training, members must continue to serve in a command or staff position for three years. Academically, they are required to complete a 7-day CAP National Staff College (NSC) conducted annually at Maxwell AFB, Alabama. This college provides advanced leadership and management training. Attendees also develop staff position papers for consideration and implementation at a national level. Finally, all officers leave with a higher awareness of CAP policies on a national level. The NSC makes extensive use of the facilities and faculties of the USAF Air University Professional Military Education colleges and schools. A total of 141 senior members completed Level V training in 1988, with 77 of them completing the National Staff College. Graduates of Level V receive the Gill Robb Wilson Award.



California Cadet. Cadet Eric L. McDaniel was presented the California Wing Cadet of the Year Award by California Wing Commander Col. V. Lee White during the annual wing conference. Cadet McDaniel is a member of California Wing's West Bay Composite Squadron. (Photo by Wynston Selwyn)



Christian Conference. Texas Wing Cadet Jeanna Dymen enjoys a ride down a slide during an afternoon break at Mo Ranch in Hunt, Texas, where she and several other CAP members participated in an Air Force Christian Leadership Conference. Air Force Christian Leadership Conferences are conducted annually by Air Force chaplains at several locations around the country for Air Force members and their dependents, as well as CAP members. Air Force Christian Leadership Conferences were attended by 55 CAP members during 1988. (Photo by Gary Yates)

Specialized Mission Training

CAP senior members participate in numerous community-level specialized training programs such as those conducted by the Red Cross, the local civil defense agencies, and national programs such as:

- **Extension Course Institute (ECI).** ECI is the correspondence school of the Air Force and is open to CAP members without charge. CAP members can take ECI courses in general military training and certain specialized fields, such as communications. CAP-unique courses are also developed and administered by ECI to augment training in the Level II specialties. In fiscal year 1988, 1,954 CAP members enrolled in ECI correspondence courses.



Alabama Award. Cadet Christie L. Woodley of Alabama Wing's Decatur Composite Squadron was presented the Gen. Carl A. Spaatz Award by CAP National Administrator retired Air Force Brig. Gen. Carl S. Miller. Christie is a sophomore at the University of Alabama's School of Law. (Photo by George Wendt)

- Flight Clinics.** Civil Air Patrol promotes flight safety by defraying part of the expense for CAP pilots who attend a flight clinic sponsored by Civil Air Patrol. Other organizations, such as the Federal Aviation Administration (FAA), Aircraft Owners and Pilots Association, or other flight safety organizations, assist Civil Air Patrol where feasible. The clinics include ground instruction in essential subjects such as flying safety, FAA regulations, emergency procedures, flight planning, and aviation weather. CAP pilots also participate in the FAA Pilot Proficiency Program in which they demonstrate safe aircraft piloting skills to an FAA-certified flight instructor or a qualified CAP check pilot. Participation in these programs is a significant factor in the annual CAP unit effectiveness evaluation.



Florida Award. Cadet Kevin R. Gendron of Florida Wing's Tami-ami Composite Squadron was presented the Gen. Carl A. Spaatz Award by Florida Wing Commander Col. Richard Leighton (right) and State Rep. J. J. Molland. (Photo by David Rix)



Chaplain of the Year. North Carolina Wing Chaplain (Lt. Col.) Eugene B. Elmore received the Civil Air Patrol Chaplain of the Year Award from CAP National Commander Maj. Gen. E. E. Harwell. The award was presented during the CAP National Board Meeting in Washington, D.C. (Photo by George Wendt)

- Communications Training.** Communications schools are conducted annually in the CAP Northeast Region at Westover AFB, Massachusetts. Additionally, in 1988, a communications school was conducted by the Great Lakes Region at Chanute AFB, Illinois. These schools are open to both senior and cadet members and provide training in communication procedures and techniques that qualify attendees for communications officer responsibilities in their CAP units of assignment.

- Commanders' Course.** The 1988 class of the annual orientation course for new wing and region commanders was conducted at CAP National Headquarters, Maxwell AFB, Alabama, in March 1988. This course, which was extended from three days to four days in 1988, was designed and conducted by CAP-USAF personnel as an in-house program to present current issues/programs and address specific needs of new commanders. Fourteen newly appointed wing commanders attended this course.

- Mission Training Exercises.** CAP wings conduct emergency services training and upgrading programs to improve both the skills of individual members and the effectiveness of the organization as a team. Each wing annually conducts up to five practice disaster relief and search and rescue exercises and two test exercises which are monitored by U.S. Air Force evaluators. The test exercises are used to determine the effectiveness of wing training programs and wing capability to respond and satisfactorily execute any mission it may be called upon to perform.

- National Search and Rescue (SAR) School.** The National SAR school is designed to enhance the professionalism of SAR mission coordinators. In 1988, 34 CAP members attended the course conducted by the U.S. Air Force and U.S. Coast Guard.

CAP CHAPLAINCY

The CAP chaplaincy, with over 1,000 men and women from over 125 religious denominations, offers a unique opportunity for clergy to perform their ministry in an ecumenical setting in the largest volunteer chaplain service in the world. Volunteer civilian clergy provide pastoral care, playing a significant role in the religious life and moral and spiritual values of Civil Air Patrol's cadet and senior members. Through a ministry of presence, CAP chaplains model religious values and offer an opportunity for members to share their joys, frustrations, and aspirations in the service of others.

Each chaplain is screened for professional competence and must receive ecclesiastical endorsement from his or her denomination. In addition, each is required to be ordained, have a 4-year college degree, and three years of seminary or its equivalent in professional experience. The CAP chaplain force is augmented by some 250 visiting clergy who are not CAP members but who generously assist with the cadet moral leadership training programs in squadrons lacking a duly appointed chaplain.

In addition to performing the essential role of chaplain/personal counselor to each CAP member and the professional religious functions such as services on encampments and at memorial and patriotic observances, the chaplain also provides

a ministry of presence for both victims and members who take part in emergency or disaster relief operations.

One of the most crucial areas of chaplain ministry is the moral leadership program for cadets. In these discussions, cadets are confronted with the basic principles of freedom, with its attending responsibilities, and encouraged to develop deep sensitivity and strong commitment to the moral, spiritual, and patriotic values on which the vitality of our freedom in America is based and continues to thrive. Each year a new series of booklets is developed containing topics relevant to the problems of today's youth and subjects considered essential in developing a basic system of values for daily living. During these moral discussions, the cadets interact and become involved in raising moral issues, looking at inconsistencies, and avoiding forced conclusions. In the supportive environment provided by a skillful chaplain, the cadets learn to define who they are, their beliefs and values, and what influence they wish to bring to the world in which they live.

The CAP chaplain, by offering supportive encouragement and professional expertise, assists the cadets to emerge from these moral leadership discussions better prepared mentally and morally to face the challenges of today and the world of tomorrow. His constant goal is to offer an environment in which all CAP members are encouraged, inspired, and assisted in their personal and collective moral and spiritual growth.



Chaplain Talk. Air Force Reserve Chaplain (Lt. Col.) Dennis Baum (center) talks informally with cadet participants in the Air Force Computer Orientation Program during a tour of Civil Air Patrol National Headquarters. The cadets visited the headquarters to become familiar with various office responsibilities and to observe operation of the Data Automation Division. (Photo by George Wendt)

SUPPORT FOR CIVIL AIR PATROL

Congressional Support

The basic congressional support for Civil Air Patrol was provided under Public Law 557 (Section 9441, Title 10 USC), passed on May 26, 1948. The Act, also known as the CAP Supply Bill, was amended on May 27, 1954, and again on September 8, 1980. The statute did the following:

a. Established Civil Air Patrol as an official civilian auxiliary of the Air Force and further clarified it for the purpose of determining civil liability as an instrumentality of the U. S. Government while performing noncombat missions of the Air Force.

b. Authorized the Secretary of the Air Force to assist Civil Air Patrol in fulfillment of its objectives. The Secretary of the Air Force, with approval of the Secretary of Defense, was authorized to give, lend, or sell to Civil Air Patrol without regard to the Federal Property and Administrative Services Act of 1949:

(1) Major items of equipment including aircraft, motor vehicles, and communications equipment.

(2) Necessary related supplies and training aids that are excess to the military departments. The statute also permitted the use of services and facilities of the Air Force as the Secretary of the Air Force considers to be needed by Civil Air Patrol to carry out its mission.

c. Authorized reimbursement for POL used on Air Force-assigned missions including unit capability testing missions and training exercises.

d. Authorized establishment of liaison offices at national, regional, state, and territorial levels of Civil Air Patrol and detail of any officer or employee of the Department of the Air Force to any of the liaison offices or to any unit or installation of Civil Air Patrol to assist in the CAP training program.

e. Authorized payment of aircraft maintenance expenses relating to operational missions, unit capability testing missions, and training missions.



Top Award. Cadet Jeffrey T. Starr of Arizona Wing's Deer Valley Composite Squadron was presented the Gen. Carl A. Spaatz Award by U.S. Sen. John McCain during a ceremony in the senator's Phoenix office. Cadet Starr attends Northern Arizona University and is active in Air Force ROTC.



Colorado Exercise. U.S. Sen. Tim Wirth of Colorado took to the air as a CAP search team member during a weekend exercise in early November. Senator Wirth is a member of CAP's Congressional Squadron. Left to right: Colorado Wing Liaison Officer Air Force Lt. Col. Michael L. Connolly, Colorado Wing Vice Commander Lt. Col. Jay Bobick, Colorado Wing Commander Col. Roger MacDonald, and Senator Wirth discuss the day's mission activities.

On September 28, 1984, Congress further amended the CAP Supply Bill authorizing the Air Force to expand its support for Civil Air Patrol by:

a. Using appropriated funds to purchase light aircraft, vehicles, communications equipment, and other mission-related equipment.

b. Using appropriated funds to renovate DOD excess aircraft and other mission equipment.

c. Using appropriated funds for cadet uniforms.

d. Authorizing the Air Force to arrange for the use of other federal agencies' services and facilities with the consent of those agencies.



Georgia Congressman. U.S. Rep. George "Buddy" Darden of Georgia (left) was presented a certificate of membership in the CAP Congressional Squadron by Georgia Wing Commander Col. James A. Hyde during a dinner hosted by Georgia Wing's Cobb County Composite Squadron. (Photo by Larry Davidson)



Cadet Course. Texas Wing Cadet Andrew Stirling (left) and South Carolina Wing Cadet David Zendzian study a printed circuit board during the Air Force Computer Orientation Program held at Maxwell AFB, Alabama. The 4-day course provided cadets an orientation to computer usage in today's Air Force. (Photo by George Wendt)



Academy Cadet. Cadet Stephen B. Latham (right) was presented the Gen. Carl A. Spaatz Award by Air Force Academy Commandant of Cadets Brig. Gen. Sam W. Westbrook during the Academy Preparatory School graduation. Cadet Latham is a member of Montana Wing's Malstrom AFB Cadet Squadron and plans on a career as an Air Force aviator.

Air Force Support

The basic Air Force support of Civil Air Patrol, authorized by the original CAP Supply Bill in 1948, continues to be of major importance to the organization. A primary element of that support was the establishment and manning of Air Force liaison offices at national, regional, and state levels of Civil Air Patrol. The interface of the Air Force liaison structure and Civil Air Patrol begins at the national level between Headquarters, CAP-USAF and National Headquarters, Civil Air Patrol. The bridge between the Air Force and Civil Air Patrol exists through the CAP-USAF commander who performs duties in a dual status. He commands all 263 Air Force employees assigned to Headquarters, CAP-USAF and the 8 region and 52 wing liaison offices who are charged with supporting the Civil

Air Patrol. As a private citizen, he acts as the executive director of the Civil Air Patrol Corporation and is charged under the CAP Constitution and Bylaws with responsibility to administer the programs of Civil Air Patrol in accordance with the resolutions of the National Board and the National Executive Committee and is authorized to issue such rules, regulations, and other directives as approved by the National Board and the National Executive Committee for the conduct of the affairs of Civil Air Patrol.

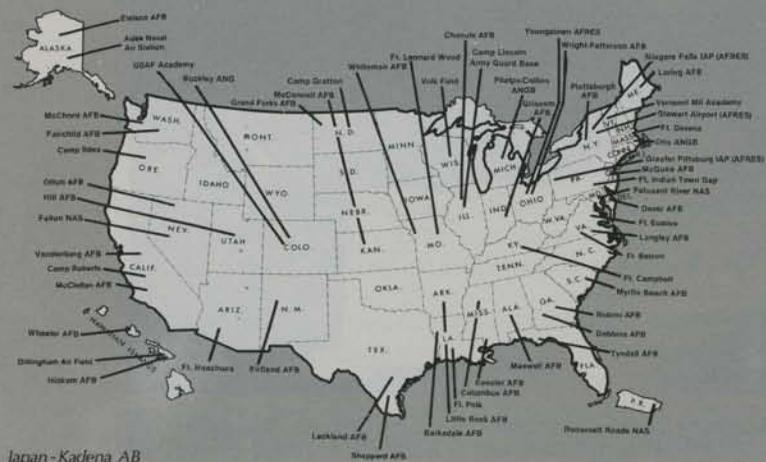
The full-time CAP-USAF staff is supported by Air Force Reserve personnel functioning through the CAP Reserve Assistance Program. Reservists provide advice and assistance in the conduct of CAP programs during inactive-duty training and on a limited number of temporary active-duty tours. In fiscal year 1988, the 396 reservists assigned to the program served 2,541 mandays in support of Civil Air Patrol and spent 48,467 hours of nonpaid, points-only time providing advice and assistance.

Under the authorization of the 1984 congressional amendment to the CAP Supply Bill, the fiscal year 1988 Appropriation Bill provided over \$5 million in Air Force funds for the purchase of equipment for Civil Air Patrol. This brought the cumulative allocation under that authorization to approximately \$16 million during the past four fiscal years. (When the one-time 1987 fiscal year appropriation of \$7 million in Air Force monies under the Anti-Drug Abuse Act of 1986 is included, the total allocated in support of Civil Air Patrol was approximately \$23 million during the past four fiscal years.) Fiscal year 1988 funds were spent to purchase used, late-model, single-engine aircraft and to partially rehabilitate aircraft currently in the CAP-owned fleet. The funds were also used to purchase new vehicles through GSA and provide rehabilitation funds for other vehicles currently in the CAP-owned inventory. Remaining Air Force funds bought equipment to upgrade the CAP National Communications Network and purchase uniforms for CAP cadets.

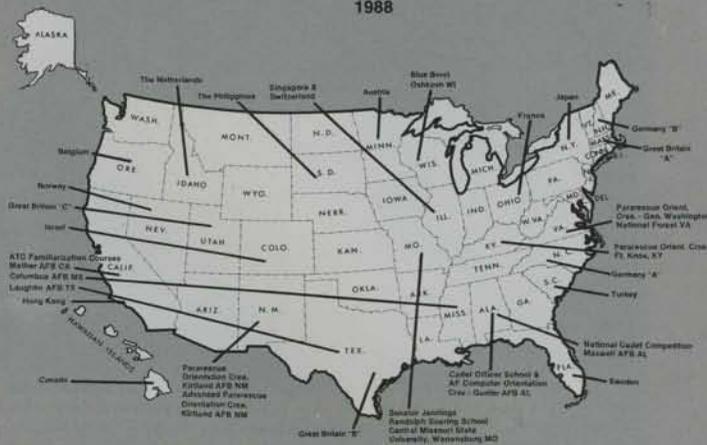


Indiana Award. U.S. Air Force Academy Cadet Matthew M. Roush was presented the Gen. Carl A. Spaatz Award by Brig. Gen. Earl S. Van Inwegen of the Air Force Space Command during a ceremony at Peterson AFB, Colorado. Matthew was a member of Indiana Wing's Grissom Cadet Squadron and is the son of Indiana Wing Liaison Officer Air Force Lt. Col. John G. Roush. (Photo by Bill Madsen)

**DOD FACILITIES
CADET ENCAMPMENT
1988**



**HOST WINGS FOR IACE CADETS
&
CADET ACTIVITIES
1988**



Japan-Kadena AB
Guam-Andersen AFB

CAP SUPPLY DEPOT

Civil Air Patrol operates a supply depot in Amarillo, Texas, to obtain, store, and ship aircraft parts to individual wings. All transportation and handling charges are paid by the users of this service. Spare parts are provided for the 565 CAP corporate-owned aircraft, consisting of 43 different makes and models. Parts for the DOD excess aircraft are usually unavailable to CAP members for use on privately-owned aircraft, but the depot does sell vendor-acquired spares to individual CAP members for use on their own aircraft.

DOD EXCESS PROPERTY

Civil Air Patrol is authorized by Public Law 557 to acquire equipment and supplies that are excess to the needs of DOD. Property acquired during 1988 included vehicles, communications equipment, office equipment, and other property with an original cost to DOD of \$3,326,052.

STATE SUPPORT

Forty-two states and the commonwealth of Puerto Rico appropriated funds to provide material and financial assistance in the operations of their respective CAP wings during fiscal year 1989 in the amounts shown below. These figures represent the value of the funds and property appropriated but do not necessarily reflect the amount ultimately received by the respective CAP wings. A total of \$4,205,358 was appropriated. This needed support is greatly appreciated and will be used by Civil Air Patrol to continue and expand its public service missions.

WING	AMOUNT	WING	AMOUNT	WING	AMOUNT	WING	AMOUNT
Alabama	\$ 40,000	Illinois	\$ 162,300	Nevada	\$ 45,000	Rhode Island	\$ 50,000
Alaska	1,555,000	Kansas	19,620	New Hampshire	92,546	South Carolina	89,420
Arizona	80,100	Kentucky	14,400	New Mexico	91,300	South Dakota	28,709
Arkansas	58,480	Louisiana	50,000	New York	50,000	Tennessee	69,050
California	118,000	Maine	5,000	North Carolina	90,941	Utah	50,000
Colorado	93,258	Maryland	45,000	North Dakota	53,294	Vermont	12,000
Connecticut	50,000	Massachusetts	119,000	Ohio	2,000	Virginia	83,480
Delaware	9,000	Minnesota	65,000	Oklahoma	18,500	West Virginia	89,000
Florida	50,000	Mississippi	20,000	Oregon	10,000	Wisconsin	19,000
Georgia	42,000	Missouri	7,310	Pennsylvania	400,000	Wyoming	7,500
Hawaii	190,600	Nebraska	14,550	Puerto Rico	45,000		

TEN YEARS IN REVIEW

Year	No. Wings	Amount	Year	No. Wings	Amount
1979	35	\$1,823,572	1984	44	\$2,768,215
1980	39	2,200,623	1985	44	2,793,155
1981	42	2,537,027	1986	44	2,871,788
1982	42	2,622,223	1987	44	3,083,473
1983	39	2,461,246	1988	43	4,205,358

ASSOCIATION WITH OTHER ORGANIZATIONS

The success of Civil Air Patrol, like most volunteer organizations, is derived from the commitment and dedication of its members who give of their time, talents, and resources in support of worthwhile objectives. Civil Air Patrol is also associated with other organizations, locally, nationally, and internationally, in areas of common interest. Such relationships help to ensure that the maximum potential of each organization is more nearly realized.

Order of Daedalians. This multiservice fraternal organization of military pilots supports Civil Air Patrol through financial contributions for local squadron activities as well as solo and private pilot scholarships on both the local and national levels. National recipients of \$2,100 scholarships in 1988 were Justin M. Drafts of the Tennessee Wing, Kevin B. Johnson of the Iowa Wing, Jeffrey A. Lustick of the Washington Wing, and Albert J. Gajdosik of the Missouri Wing. The scholarships are used for ground and flight training toward an FAA private pilot certificate.

Air Force Association (AFA). The Air Force Association is a steadfast supporter of Civil Air Patrol in all three of its basic missions at the national and local levels. Air Force Association National Vice President Charles G. Durazo attended the 1988 CAP National Board Meeting and presented the AFA's Civil Air Patrol Senior Member of the Year Award to Lt. Col. Wynola Thornton-Eide of the North Dakota Wing and the AFA's Civil Air Patrol Cadet of the Year Award to Cadet Joelyn E. Taylor of the Nevada Wing.



Lifesaving Mission. Under a cooperative services agreement, the CAP Michigan Wing developed an emergency transport system for the Blodgett Regional Poison Control Center in Grand Rapids, Michigan. Once a person is exposed to poison, medical personnel have only limited time to identify the substance and administer treatment. The Blodgett Center required a quick means of transport for samples from across the state when no other timely transportation was available. Michigan Wing and Blodgett personnel worked to put a system in place that resulted in ten lives saved during the last six months of 1987 and an even larger number during 1988. The primary movers in developing the program include (above, from left) Lt. Robert Townsend, Lt. Col. Lucille Price, Poison Control Center Director Dr. Daniel McCoy, and Michigan Wing Commander Col. Kenneth C. Redington.



Air Safety Award. Vermont Wing Commander Col. Gary A. Skogebo (right) was presented the Air Line Pilot Association (ALPA) Superior Airmanship Award by ALPA president Henry A. Duffy during an air safety dinner in Washington, D.C. Colonel Skogebo, a USAir pilot based in Pittsburgh, was recognized for outstanding skill and professionalism shown in averting potential disaster during a December 1987 flight incident when the complete separation of an engine from the aircraft caused severe vibrations, power loss, and malfunction of wing flaps. Colonel Skogebo returned to Pittsburgh and safely completed a single-engine landing with wing flaps under-extended due to the mechanical malfunction. A professional pilot since 1974, Colonel Skogebo currently flies a Boeing 737. (Photo courtesy of ALPA)

U.S. Customs Service. Civil Air Patrol, the U.S. Air Force, and the U.S. Customs Service entered into an agreement on November 14, 1985, whereby Civil Air Patrol would assist the U.S. Customs Service by performing air surveillance reconnaissance flights along the boundaries of the United States in support of the government's drug interdiction effort. CAP support is limited to data-gathering flights and supporting communications. The program began along the Florida coast, with CAP being on call to check on suspicious vessels, and is now expanded along the coastal boundaries of the continental United States.

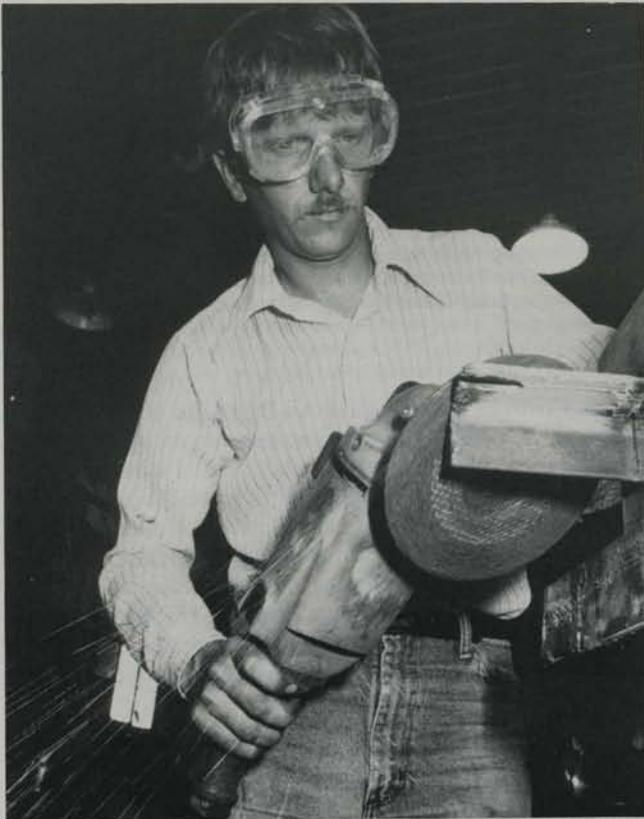
National Aeronautics and Space Administration (NASA). NASA, along with Civil Air Patrol and the Federal Aviation Administration, cosponsor the annual National Congress on Aviation and Space Education. On March 24-26, 1988, the 21st annual Congress was held in Los Angeles, California. NASA also supports Civil Air Patrol's aerospace education and cadet program efforts in many other ways.



California Award. Cadet Philip Kwong of the San Francisco Cadet Squadron was presented the Gen. Carl A. Spaatz Award by Army Brig. Gen. Ralph C. Marinaro, commander of the 49th Military Police Brigade. Cadet Kwong is a political science major at San Francisco University and is the top cadet in his Army ROTC class.



FAA Support. Mr. John M. Howard, director of Aviation Standards in the National Field Office of the Federal Aviation Administration, was presented a plaque in appreciation of his support of Civil Air Patrol by CAP National Commander Maj. Gen. E. E. Harwell (left) and CAP Executive Director Air Force Col. John T. Massingale, Jr., during the CAP National Board Meeting in Washington, D. C. (Photo by George Wendt)



Supply Depot. Michael Starkey is an airframe and power plant mechanic at the CAP Supply Depot in Amarillo, Texas. Starkey is one of the dozen Depot employees dedicated to providing quality products and services to CAP members. (Photo by George Wendt)

Salvation Army. The Salvation Army is chartered by Congress and charged in the Federal Disaster Relief Act of 1970 with responsibility to assist persons in need as a result of disaster emergencies. Emergency services is also a basic mission of Civil Air Patrol and, to help ensure that the maximum potential of both organizations to assist persons in distress is realized, a statement of cooperation between the Salvation Army and Civil Air Patrol was originally adopted in 1973 and updated in 1987.

Air Cadet League of Canada (ACLIC). The International Air Cadet Exchange was conceived and initiated by the Air Cadet League of Canada in 1947. Civil Air Patrol has participated in the exchange since 1948 and, over the years, has developed an especially close association with the ACLIC as well as good working relationships with similar organizations in many countries.

Federal Communications Commission (FCC). The FCC continued to be extremely helpful in providing guidance on its rules and regulations and in assisting Civil Air Patrol in its efforts to improve its communications program. Mr. Robert E. Mickley, FCC Rules Division, and Mr. Marcus Stevens, FCC Licensing Division, have assisted by providing technical and administrative guidance.

National Association for Search and Rescue (NASAR). NASAR is a national, nonprofit association that promotes and supports search and rescue and provides a public forum for cooperation between federal, state, and local volunteer search and rescue groups.

U.S. Coast Guard Auxiliary (USCGA). The USCGA is a national, voluntary, nonprofit organization dedicated to promoting safe boating and assisting the U.S. Coast Guard. Under an August 1985 agreement between Civil Air Patrol and the USCGA, the two organizations assist and train with each other on search and rescue and disaster relief exercises and cooperate in actual search and rescue missions in accordance with the National Search and Rescue Plan and Coast Guard and Civil Air Patrol regulations.



Spatz Cadet. Cadet Adam D. Corrado of New York Wing's Nassau Composite Squadron accepts the Gen. Carl A. Spatz Award from retired Air Force Lt. Gen. James D. Hughes during a dinner to honor Cadet Corrado. Corrado attends Hofstra University where he majors in communications. (Photo by Kevin Drummenacker)

Boy Scouts of America. Civil Air Patrol and the National Aviation Exploring Committee of the Boy Scouts of America have cooperated since 1982 under an agreement to encourage Exploring, with Civil Air Patrol as the chartered partner. This association has expanded the resources of both organizations and provided an improved program for youth.

Veterans of Foreign Wars (VFW). The VFW continued to recognize the common interests between Civil Air Patrol and the VFW and urged VFW units throughout the nation to maintain and strengthen ties with local CAP units.

Federal Emergency Management Agency (FEMA). FEMA was established in 1979 to merge closely allied federal programs involved with preparedness for and response to national emergencies. FEMA and Civil Air Patrol entered into a Memorandum of Understanding in November 1981 to promote mutual support and coordination through specific points of contact at various levels of both organizations. The FEMA regional offices coordinate emergency services activities with various state and local governments, and CAP wings have developed agreements with state and local governments making CAP support available during emergencies.

American National Red Cross (ANRC). Civil Air Patrol continued its support of the ANRC by transporting human blood in emergency situations and cooperating in disaster relief operations. Also, in accordance with the March 1985 agreement between the two organizations, Civil Air Patrol supported the ANRC in its program for obtaining human tissue for transplantation by providing transportation for Red Cross personnel for collection of donor tissue and transport of tissue to central distribution centers.

Volunteers of America (VOA). Civil Air Patrol and the VOA continued to operate under a 1980 mutual support agreement that ensures close cooperation in their common mission of emergency service. The agreement outlines principles of cooperation to provide maximum assistance to victims and workers in disaster and emergency situations and to ensure that the maximum capability of both organizations is fully utilized.

American Legion. Civil Air Patrol and the American Legion have cooperated since 1950 in areas of common interest of aerospace education and youth development. CAP squadron commanders and American Legion post commanders are urged to work with each other to explore areas for further development of mutual support and cooperation at the community level.

Optimist International. Optimist International urges Optimist Clubs to extend their services to their communities by sponsoring CAP cadet programs at the local level.



Michigan Award. Cadet Ronald Zalewski of Michigan Wing's Emmet County Composite Squadron was presented the Gen. Carl A. Spatz Award by Brig. Gen. Arthur P. Tesner of Michigan's Air National Guard. Cadet Zalewski attends the U.S. Air Force Academy.

RECOGNITION OF EXCELLENCE

UNIT RECOGNITION

Squadron of Distinction. The McLean County Composite Squadron of the Illinois Wing was selected as the CAP Squadron of Distinction based on the unit's overall accomplishments in conducting the CAP cadet program. The unit's commander, Capt. John J. Contarino, CAP, received the F. Ward Reilly Leadership Award in recognition of his outstanding performance.

Squadrons of Merit. The following runners-up to the Squadron of Distinction were designated as Squadrons of Merit:

- (1) *Raritan Composite Squadron, New Jersey Wing*
- (2) *White Pine Composite Squadron, Nevada Wing*
- (3) *Hawaii Kai Aeko Composite Squadron, Hawaii Wing*
- (4) *Nassau Cadet Squadron 8, New York Wing*

CAP-MAP Top 8 of the 80's. The top performing wing in each of the eight CAP regions was selected for recognition under the "Top 8 of the 80's" award program of the Civil Air Patrol Management Analysis Program (CAP-MAP). In addition, the three top scoring wings in the competition received special recognition. The Kansas Wing was designated "Number One in The Nation," South Carolina Wing "Number Two in The Nation," and Nebraska Wing "Number Three in The Nation."

- | | |
|--|--|
| <i>Kansas - North Central Region</i> | <i>Mississippi - Southeast Region</i> |
| <i>South Carolina - Middle East Region</i> | <i>Nevada - Pacific Region</i> |
| <i>Oklahoma - Southwest Region</i> | <i>Connecticut - Northeast Region</i> |
| <i>Ohio - Great Lakes Region</i> | <i>Montana - Rocky Mountain Region</i> |

AU Commander's Safety Award - Rocky Mountain Region

Paul W. Turner Safety Award - Tennessee Wing

INDIVIDUAL RECOGNITION

- Cadet Of The Year,** *Cadet Joelyn E. Taylor, Nevada Wing*
- Senior Member of the Year,** *Maj. Wynola Thornton-Eide, North Dakota Wing*
- Wing Commander of the Year,** *Col. Ralph W. Rissmiller, Kansas Wing*
- CAP Hall of Honor,** *Dr. Paul E. Garber*
- F. Ward Reilly Leadership Award,** *Capt. John J. Contarino, Illinois Wing*
- Chaplain of the Year,** *Chap., Lt. Col. Eugene B. Elmore, North Carolina Wing*
- Thomas C. Casaday Unit Chaplain of the Year,** *Chap., Lt. Col. Robert Holbrook, Nebraska Wing*
- Safety Officer of the Year,** *1Lt. Ken W. Alford, New Mexico Wing*
- Historian of the Year,** *Lt. Col. Nelson L. Ragan, Texas Wing*
- Communicator of the Year,** *Lt. Col. Thomas F. Darnell, Arkansas Wing*
- Public Affairs Officer of the Year,** *Lt. Col. Elizabeth J. Mangers, Pennsylvania Wing*



Kansas Commander. Col. Ralph Rissmiller, former commander of the Kansas Wing, was presented the Wing Commander of the Year Award by CAP National Commander Maj. Gen. E. E. Harwell during the CAP National Board Meeting in Washington, D.C. The award was based on the number one rating of the Kansas Wing under the CAP Management Analysis Program (CAP-MAP) evaluation system during 1987. (Photo by George Wendt)



Senior Member of the Year. Maj. Wynola Thornton-Eide of the North Dakota Wing was presented the Senior Member of the Year Award by CAP National Commander Maj. Gen. E. E. Harwell during the CAP National Board Meeting. Maj. Thornton-Eide serves as wing director of training, director of aerospace education, and wing historian. (Photo by George Wendt)

Frank G. Brewer CAP Memorial Aerospace Awards

- Cadet Category,** *Cadet Patricia L. Gilbert, Delaware Wing*
- Senior Category,** *Lt. Col. Richard B. Donica, New Jersey Wing*
- Individual Category,** *Mr. Scott Gardiner, Federal Aviation Administration*
- Organization Category,** *Great Falls School District #1, Great Falls, Montana*

Gen. Carl A. Spaatz Awards. The following cadets were recognized for completing all phases of the structured CAP Cadet Program:

- Alabama**
- Kevin N. Kearney, (No. 902), Baldwin County Composite Squadron
- Christine L. Woodley, (No. 874), Decatur Composite Squadron
- Arizona**
- David A. Wiesner, (No. 905), Sky Harbor Cadet Squadron 306



Cadet of the Year. Cadet Joelyn E. Taylor of Nevada Wing's White Pine Composite Squadron accepts the Civil Air Patrol Cadet of the Year Award from CAP National Commander Maj. Gen. E. E. Harwell. The award was presented during the CAP National Board Meeting in Washington, D.C. (Photo by George Wendt)

California

Dan A. Chandler, (No. 880), Santa Barbara Composite Squadron 131
Richard J. Bingle, Jr., (No. 918), Brackett Composite Squadron

Connecticut

Charles S. Nemecek, (No. 920), Manchester Composite Squadron

Delaware

Jerry L. McKinney, (No. 916), Smyrna Cadet Squadron

Florida

Troy Lanich, (No. 886), Walton County Flight Squadron
Eugene V. Becker, (No. 903), Sarasota-Bradenton Composite Squadron

Georgia

Deana A. Smith, (No. 890), Gainesville Cadet Squadron

Illinois

Robert J. Dittman, (No. 877), Fox Valley Composite Squadron
John P. Jendrysik, (No. 878), Elk Grove Composite Squadron
Mark P. Matzuka, (No. 893), Nike Composite Squadron
Raymond E. Walden, (No. 909), Williamson County Composite Squadron
Caroline H. Beddell, (No. 910), Chicago Midway Composite Squadron

Iowa

Bryan P. Birchem, (No. 922), Des Moines Composite Squadron

Massachusetts

David R. Smith, (No. 888), Marlboro Composite Squadron

Michigan

Robert J. Mazzara, (No. 876), Van Dyke Cadet Squadron
Ronald S. Zalewski, (No. 881), Selfridge Cadet Squadron

Mississippi

Chris S. Gordon, (No. 896), Headquarters Composite Squadron

Missouri

David E. Casler, (No. 883), Columbia Composite Squadron
Carmelo D. Turdo, (No. 900), Lone Eagle Composite Squadron

Nebraska

Darcy E. Gibbons, (No. 873), Fremont Cadet Squadron

New Jersey

Harry K. Magazu, (No. 875), McGuire Composite Squadron

New Mexico

Darrell W. LaRoche, (No. 921), T-Bird Composite Squadron IV



Oklahoma Award. Cadet John E. Pearson of Oklahoma Wing's Broken Arrow Composite Squadron was presented the Gen. Carl A. Spaatz Award by Oklahoma Gov. Henry Bellman during a ceremony in the governor's office. Cadet Pearson is only the sixth Oklahoma cadet to earn the highest award that can be earned by a CAP cadet.



Governor's Proclamation. Pennsylvania Wing Commander Col. Raymond F. Schuler (left) and the wing's chief check pilot Lt. Col. Edward Kelly (right) accept a Civil Air Patrol Week proclamation from Lt. Gov. Mark S. Singel in a ceremony at the state capital. The proclamation denotes Civil Air Patrol's and the Pennsylvania Wing's service and support to the state.

New York

James J. Zak, (No. 885), Tak Composite Squadron
Gabriel D. Gong, (No. 892), Academy of Aeronautics Cadet Squadron
Gregg A. Rubenstein, (No. 899), Albany Composite Squadron
Demetri C. Capetanopoulos, (No. 908), Westchester Hudson Composite Squadron

North Carolina

John M. Risko, (No. 884), Winston-Salem Composite Squadron
Jay M. Wilkerson, (No. 887), Raleigh-Wake Composite Squadron

Ohio

Jason J. Ottman, (No. 919), Columbus Cadet Squadron

Oklahoma

David J. Cotter, (No. 917), Broken Arrow Composite Squadron

Oregon

Sandie D. Aurich, (No. 894), Ashland Composite Squadron

Pennsylvania

John D. Angeny, (No. 889), Robert Sheets Composite Squadron
Paul R. Andrews, (No. 882), Doylestown Composite Squadron

Puerto Rico

Alex X. Gutierrez, (No. 879), Yauco High School Cadet Squadron
Anabel Lugo, (No. 897), Lajas High School Cadet Squadron
Walter Lara, (No. 906), Coamo High School Cadet Squadron

South Dakota

Norman L. Jones, (No. 891), Pierre Composite Squadron

Texas

Christopher S. Rogers, (No. 871), Jerseyvill HS Composite Squadron
Michelle S. Malone, (No. 872), Jerseyvill HS Composite Squadron
Tamara J. Floyd, (No. 898), Thunderbolt Composite Squadron
Christopher A. Bahl, (No. 915), Phoenix Composite Squadron

Utah

Michael J. Hower, (No. 895), Enterprise Composite Squadron
Matthew M. Johnson, (No. 901), Enterprise Composite Squadron

Virginia

Glen R. Ritchie, (No. 870), West Richmond Cadet Squadron
Edward P. Black, (No. 911), Montgomery Composite Squadron

Washington

Steven P. Schultz, (No. 904), Spokane Composite Squadron

Wisconsin

Polly Robinson, (No. 907), Walco Composite Squadron
Stephen R. Kohler, (No. 912), Fox Cities Composite Squadron
Nicholas A. Rushizky, (No. 914), Col. Benjamin Moeller Mem. Composite Squadron



Outstanding Cadet. Iowa Wing Cadet Kevin Johnson was presented the 1988 Air Force Computer Orientation Program's Most Outstanding Cadet trophy by CAP-USAF Vice Commander Col. Clyde O. Westbrook, Jr., during program graduation ceremonies. The course was held at Maxwell AFB, Alabama, June 20-24. (Photo by George Wendt)

Scholarship Winners. CAP scholarships valued at \$42,250 for academic year 1988-1989 were awarded to 53 of Civil Air Patrol's outstanding members who are attending colleges and universities across the country. In addition to Cadet Joelyn E. Taylor, who received \$1,500 as Cadet of the Year, recipients of \$1,000 and \$750 scholarships were:

ALABAMA
Robert S. Davis

ARIZONA
Jeffrey T. Starr

ARKANSAS
Lucas K. Gill

CONNECTICUT
John W. Erickson
Barbara J. Fritts

DELAWARE
David G. Carpenter*
Chon J. Herrera*
Brian S. Shannon

FLORIDA
Troy D. Lanich

GEORGIA
Deana A. Smith

ILLINOIS
Sylvia C. Grupe
David L. Kahn
Aaron L. Proctor
Dean A. Smith

INDIANA
Jerry W. Andrews
Robert M. Pilkin, Jr.
Michelle Presswood

IOWA
Kevin B. Johnson

KENTUCKY
James L. Claypool
Daniel E. Davis

MASSACHUSETTS
David R. Smith

MICHIGAN
Julie A. Dobies
Susan K. Heintz
Natalie M. Richard
Marc C. Sheldon

MINNESOTA
Suzanne M. Garber

MISSOURI
Julie M. Abel
Natalina J. Baldwin
James M. Bengel
Brian M. Main

MONTANA
David A. Snell

NATIONAL CAPITAL
Norman LeCroix

NEBRASKA
Lorraine G. Davison

NEW JERSEY
Matthew W. Lacy

NEW YORK
Adam D. Corrado*
Paul W. Kan
Marc R. Koenig
Russell E. Powley

NORTH CAROLINA
Matthew M. Odum

OHIO
Richard A. Harper

PENNSYLVANIA
Matthew A. Barker

PUERTO RICO
Walter Lara

SOUTH CAROLINA
Kimberly C. Jollow

SOUTH DAKOTA
David Dirksen

TENNESSEE
Justin M. Drafts

TEXAS
Richard B. Kern
Michelle Malone
Angela Reynolds
Christopher Rogers

VIRGINIA
Robb L. Fish

WASHINGTON
Kip A. Boyle

WISCONSIN
Mark Bulanow*

Gill Robb Wilson Awards. The Gill Robb Wilson Award, named for one of the founders of Civil Air Patrol, is the highest award attainable in the Senior Member Training Program. In recognition of completion of CAP advanced leadership requirements, the award was presented to the following members in 1988:

ALABAMA
James H. Hughes
Leighton L. Lomax
Angelos H. Petelos
Frederick E. Zoes

ALASKA
Troy G. Sullivan

ARIZONA
Gordon W. Beatty, Jr.
Helen L. Crofford
Constance E. Hobbs
James A. Mooney

CALIFORNIA
Vernon C. Claxton
Lois B. Jones
Richard H. Jones
Ray T. Lake
Lewis D. Milligan
Calvin T. Morton
Eunice M. Ryder
James W. Tockstein

COLORADO
James C. Bobick
David C. Pierce
Ronald Webb

CONNECTICUT
Karol S. Hervey
Robert A. Rasmussen

FLORIDA
Deryl E. Barineau
Joseph T. Barron, Jr.
Henry C. Boerner, Jr.
Ted R. Davis
Angelo J. Donadeo
George W. Etheridge
John A. Homzak

GEORGIA
William J. Kern
Rolf A. Mitchel
Wilbur E. Tomlinson
Frank B. Ventimiglia
Frank E. White
Edward C. Wolff

HAWAII
Harold J. Mizuno

IDAHO
Henry L. Phelps
Dennis J. Strachota

ILLINOIS
Walter H. Haas
Joseph L. Sandy

INDIANA
Mark E. Ashcraft
Robert A. Craigin
Stephen M. Haxby
Thomas A. Rowe
Howard D. Smith

KANSAS
Mark D. Gunn
Dominick Italiano

LOUISIANA
Robert E. Suckow

MAINE
Lindon E. Christie, Jr.

MARYLAND
Jack B. Briggs
Richard M. Ohman

MASSACHUSETTS
Richard W. Hazelwood

MICHIGAN
Wayne C. Bengston
Donald R. Gue
Carol King
Richard L. King
Ronald Padavan
Keith A. Ross

MINNESOTA
Warren Rohwer

MISSOURI
George R. MacDonald
Joseph D. McMillan

MONTANA
Philip H. Beagles
James R. Sheffield

NEBRASKA
Mark R. Price

NEVADA
Stephen G. Funk

NEW HAMPSHIRE
Merrel A. Collard

NEW JERSEY
Andrew E. Skiba

NEW MEXICO
Mattie R. Roberts



Safety Award. The Safety Officer of the Year Award was presented to 1st Lt. Ken W. Alford by CAP National Commander Maj. Gen. E. E. Harwell during the 1988 CAP National Board Meeting. Lt. Alford was recognized for having developed a wing safety program that was determined by the CAP National Safety Committee to have contributed the most to a total CAP safety program. (Photo by George Wendt)

*Embry-Riddle \$1,000 recipients

NEW YORK

Anne E. Burt
Abraham Galfunt
Marilyn A. Rey
Charles P. Roe
Margaret J. Simpson
Tommy Walker

NORTH CAROLINA

Joyce R. Wright
Tony E. Wright

NORTH DAKOTA

Thomas B. Moore

OKLAHOMA

William P. Crossland
Rudolph Procono
Charles W. Snider
Daniel W. Stivers

OREGON

Diane J. Green

PENNSYLVANIA

Barry R. Metz
Joel N. Willis

PUERTO RICO

Eddy Ortiz, Jr.
Luis E. Perez
Gilberto Rios
Rafael A. Rodriguez

SOUTH DAKOTA

Jerry A. Hayden

TENNESSEE

Adele K. Sparks
Leslie R. Stephens

TEXAS

Joyce N. Clark
Joe R. Del Rio
Ann C. Falkner
Felix L. Falkner
Rose M. Hicks
Jerry F. Leath
William O. Manning
Virgil E. Padgett
George A. Schank

UTAH

Debra A. Smith

VERMONT

Richard A. Probst

VIRGINIA

William F. Baskerville
Marion B. Blair
Francis J. Copehnaver, Jr.
Daniel Fannon
Gilbert R. Gray, Jr.

WASHINGTON

Donna J. Holmes
Carol A. Martin
Eugene R. Miceli
Lorraine D. Robertson

WEST VIRGINIA

Michael D. Elins

WISCONSIN

Patricia A. Donohue
Dorothy J. Douglas
Arthur R. Shanley

SOUTHEAST REGION

William T. Beckler
Melvin C. Pannell

NORTH CENTRAL REGION

Christopher N. Fox
Gerald S. Holliday
James B. Kendrick

SOUTHWEST REGION

Roger L. Yardley

ROCKY MOUNTAIN REGION

Winfred Eaton
Josephine A. Eisenzimer
Glydon V. Scott

PACIFIC REGION

Georgia M. Franklin

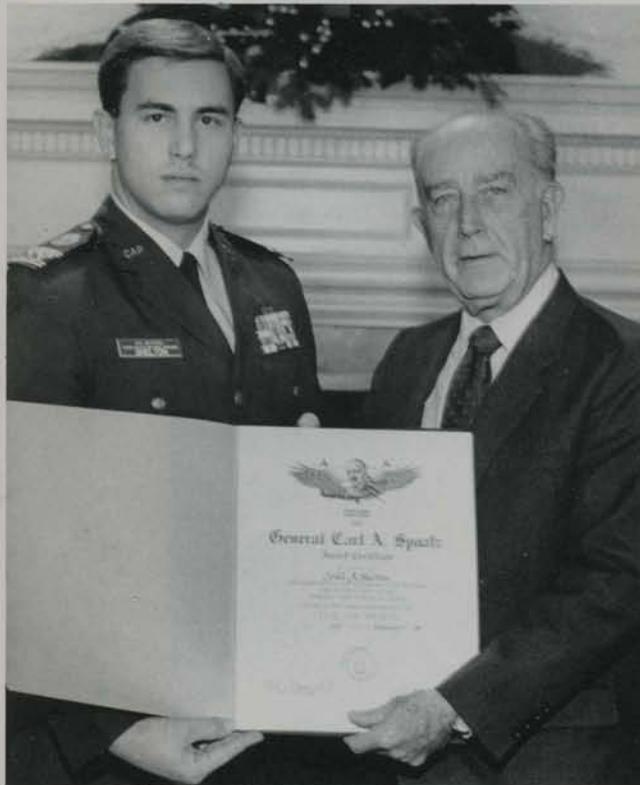


Encampment Formation. Commandant of Cadets Edward Franco exchanges salutes with Cadet Commander Michael F. Lanckton during formation of New York Wing's leadership encampment conducted at Plattsburg AFB, New York, for 166 cadets. This was the 20th CAP encampment conducted at this historic military installation that traces its roots to the Revolutionary War. (Photo by Robert J. Kantor)

Civil Air Patrol Hall of Honor. The Civil Air Patrol Hall of Honor, located in the U.S. Air Force Museum at Wright-Patterson Air Force Base, Dayton, Ohio, was dedicated in May 1974. The display pays tribute to leaders who were instrumental in establishing the organization and in its development over the years. The following individuals have been inducted into the Hall of Honor (date and order of induction):

- * Gill Robb Wilson - 1972
- * Carl A. Spaatz - 1972
- * D. Harold Byrd - 1972
- William C. Whelen - 1972
- * Paul W. Turner - 1972
- Lyle W. Castle - 1972
- * F. Ward Reilly - 1972
- Clara E. Livingston - 1972
- Joseph S. Bergin - 1972
- Alan C. Perkinson - 1972
- * Lucas V. Beau - 1973
- Edwin Lyons - 1973
- * Earle L. Johnson - 1974
- S. Hallock DuPont, Jr. - 1974
- James C. Carter - 1974
- William M. Patterson - 1976
- Zack T. Mosley - 1976
- * Robert H. Herweh - 1979
- Mervin K. Strickler - 1979
- Thomas C. Casaday - 1980
- Louisa S. Morse - 1982
- Gordon T. Weir - 1982
- Johnnie Boyd - 1983
- Lester L. Wolff - 1985
- William D. Madsen - 1985
- * Larry D. Miller - 1986
- * Obed A. Donaldson - 1987
- John V. Sorenson - 1987
- Paul E. Garber - 1988

*Deceased



Honor Cadet. Cadet Todd A. Shelton of Maryland Wing's Glen L. Martin Composite Squadron accepts the Gen. Carl A. Spaatz Award from Maryland Gov. William D. Schaefer during a ceremony in the governor's office. Governor Schaefer also presented Todd with a gubernatorial citation praising his achievements with Civil Air Patrol.



Pennsylvania Support. A display designed to showcase the vital services and support programs of Civil Air Patrol was maintained in the Pennsylvania State Capitol rotunda for five weeks by CAP cadets. Pennsylvania Gov. Robert P. Casey (center left) appeared with Pennsylvania Wing Commander Col. Raymond Schuler and cadets Charles Williams and Heather Walker when he came to view the exhibit. Governor Casey and state legislators continue to demonstrate strong support for Civil Air Patrol by providing generous fiscal support.

STATISTICAL SUMMARY

Vital Statistics as of 31 December

MEMBERSHIP		1987	1988	AIRCRAFT		1987	1988
Cadet		30,500	30,505	Corporate Owned		575	565
Senior		42,469	42,331	Member Owned		8,365	7,736
Total Members		72,969	72,836	Total Aircraft		8,940	8,301
ORGANIZATIONAL UNITS				EMERGENCY SERVICES			
Regions		8	8	Missions		2,097	2,434
Wings		52	52	Sorties		8,544	6,946
Groups		194	191	Hours Flown		17,787	14,711
Senior Squadrons		283	284	Finds		1,518	1,781
Cadet Squadrons		315	321	Saves		108	108
Composite Squadrons		947	955	ENCAMPMENTS			
Flights		92	101	Active Air Force Bases		37	35
Total Units		1,891	1,912	Other DOD Facilities		31	20
RADIO STATIONS				Non-DOD Facilities		23	27
Fixed Land		3,847	3,773	Cadets Attending		6,843	7,509
Ground Mobile		20,509	19,572	Seniors Participating		1,232	1,209
Air Mobile		5,892	5,881	CADET AWARDS			
Search and Rescue		1,222	1,247	Mitchell Awards		1,384	1,695
Corporate Aeronautical		569	590	Earhart Awards		454	508
Repeater Stations		276	279	Spatz Awards		44	52
Emergency Locator		244	219				
Total Stations		32,559	31,561				

WING PARTICIPATION IN EMERGENCY SERVICES 1 January 1988 through 31 December 1988

The following data indicates CAP participation in USAF-authorized search and rescue operations, disaster relief, and other emergency services missions. Thousands of additional hours are devoted to state and local support activities that are not reported. During 1988, Civil Air Patrol was credited with 1,781 finds and 108 saves. ("Finds" are search objectives located and "saves" are lives saved.)

	Missions	Sorties	Hours	Finds	Saves	Missions	Sorties	Hours	Finds	Saves	
Alabama	35	51	84	19	0	Michigan	83	84	169	49	30
Alaska	180	690	1,760	116	18	Minnesota	51	74	150	40	6
Arizona	48	300	848	38	6	Mississippi	23	51	87	16	0
Arkansas	23	45	65	11	6	Missouri	37	125	224	25	0
California	263	1,411	2,768	203	4	Montana	20	89	163	1	3
Colorado	72	287	506	52	11	National Capital	3	13	4	1	0
Connecticut	26	85	125	16	0	Nebraska	14	17	30	11	0
Delaware	4	13	19	4	0	Nevada	23	90	331	12	2
Florida	174	289	479	189	0	New Hampshire	13	28	48	6	0
Georgia	73	172	267	53	0	New Jersey	72	31	46	63	0
Hawaii	8	15	35	2	0	New Mexico	34	170	388	16	2
Idaho	27	71	157	9	3	New York	72	204	445	56	0
Illinois	54	87	153	42	1	North Carolina	58	39	70	38	1
Indiana	35	125	217	25	0	North Dakota	10	9	19	7	0
Iowa	13	28	49	8	0	Ohio	52	107	219	45	0
Kansas	18	28	65	16	0	Oklahoma	29	38	169	25	0
Kentucky	22	152	290	16	0	Oregon	23	41	81	9	0
Louisiana	77	64	119	55	0	Pennsylvania	50	54	74	31	0
Maine	50	80	175	29	0	Puerto Rico	2	4	9	0	0
Maryland	40	29	65	30	0	Rhode Island	11	6	10	7	0
Massachusetts	45	74	186	44	1	South Carolina	30	68	129	18	0
						South Dakota	7	10	18	5	0
						Tennessee	56	167	392	38	1
						Texas	118	348	833	98	3
						Utah	46	294	756	31	8
						Vermont	6	16	32	5	0
						Virginia	53	184	392	41	0
						Washington	93	142	207	78	1
						West Virginia	6	3	10	3	0
						Wisconsin	42	46	77	25	1
						Wyoming	10	298	697	4	0
						National Totals	2,434	6,946	14,711	1,781	108



Ground Search. Illinois Wing member Kelly Robertson takes a compass reading during the lost person search phase of the CAP National Search and Rescue Competition. Kelly was a member of the Great Lakes Region team entered in the biennial event held at Whiteman AFB, Missouri, on September 3-4. (Photo by George Wendt)



CADET PARTICIPATION
NATIONAL SEARCH AND RESCUE COMPETITION
WHITEMAN AIR FORCE BASE, MISSOURI