



CIVIL AIR PATROL
Annual Report to Congress
For year ending 31 December 1986

1987



National SAR Competition. The second biennial National Search and Rescue Competition (SARCOMP 86) was held at Whiteman AFB, Missouri over the Labor Day weekend. Over 200 CAP members participated either as air and ground team members or staff. Participating teams had qualified for the competition through performance in wing and region competitions. The Northeast Region was the overall winner of the event. Above, air and ground teams cooperate in the rescue of a simulated air crash victim. (Photo by George Wendt)



COPAS-SARSAT Display at National Board Meeting. Satellite-aided search and rescue operations are an international cooperative between the United States, Canada and France and the Soviet Union. The American program is supported by the National Aeronautics and Space Administration, the National Oceanic and Atmospheric Administration, the Coast Guard and the Air Force. The American, French and Canadian orbiting satellites are called SARSAT (Search and Rescue Satellite Aided

Tracking) while the Russian polar-orbiting satellites are known as COPAS. Left to right, Cadets Mark Jagers, Denise Apprill and Paul Rowe visit with NASA public relations specialist Burt Jones in the COPAS/SARSAT display van during the CAP National Board Meeting in St. Louis. The traveling display van is used to educate the public on this international humanitarian project to reduce the time required to rescue victims of air and maritime distress. (Photo by Don Thweatt)

Cover Photo. A Cessna 305 "Bird Dog" readies for takeoff at Barrow, Alaska. An era is ending as the "Bird Dog" is being replaced in the CAP fleet by more modern aircraft. This utility aircraft provided reliable service in fulfilling Army and Air Force missions and later became the mainstay of the CAP search force. Thanks to the actions of Congress through the 1984 amendment to the CAP Supply Bill, much needed funds are now being made available for modernization of the aging CAP corporate aircraft fleet. (Photo by William Allen)



**NATIONAL
HEADQUARTERS
CIVIL AIR PATROL**
—USAF AUXILIARY—

Maxwell Air Force Base, Alabama 36112-5572



TO THE CONGRESS OF THE UNITED STATES

This is a report of the activities of Civil Air Patrol in its forty-fifth year of service to the nation. Civil Air Patrol has operated continuously since it was established on 1 December 1941 to make civil aviation pilots and aircraft available in the World War II national defense effort.

In recognition of its wartime service, Civil Air Patrol was chartered by the Seventy-ninth Congress on 1 July 1946 as a volunteer, nonprofit corporation. The organization was later granted official status as the civilian auxiliary of the Air Force by the Eightieth Congress through Public Law 557.

Civil Air Patrol members continued throughout 1986 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 development for Civil Air Patrol cadets and senior members.

The overall accomplishments of Civil Air Patrol during 1986 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 calendar year 1986 as required by Public Law 79-476.

EUGENE E. HARWELL
Brigadier General, CAP
National Commander

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

EMERGENCY SERVICES

The Civil Air Patrol Emergency Services 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 United States Coast Guard in Puerto Rico, and the Joint Rescue Coordination Center in both Hawaii and Alaska. The Emergency Services mission also includes civil defense and disaster relief operations in support of local, state, federal and other emergency services organizations.

During 1986, Civil Air Patrol responded to several disaster relief requests including a train derailment in Ohio and flood assistance after heavy rains in California. Colorado CAP located many stranded motorists after a major spring snowstorm and directed aid to rescue these victims. Civil Air Patrol cooperates with local civil officials and rescue organizations in search and rescue operations and

also has mutual support relationships with the American National Red Cross, Salvation Army, Federal Emergency Management Agency, Federal Aviation Administration, National Voluntary Organizations Active in Disaster, and other humanitarian organizations in conducting disaster relief operations. In 1986, Civil Air Patrol and the Salvation Army renewed their agreement of mutual support. Civil Air Patrol assists the American Red Cross with their blood and tissue program and provides transportation for Red Cross use to collect and distribute blood and tissue. Also in 1986, CAP and the US Coast Guard Auxiliary implemented their agreement of mutual assistance and cooperation for training in actual search and rescue activity.

SEARCH AND RESCUE

The US 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 auxiliary of the Air Force, Civil Air Patrol is the primary resource available to the Air Force in fulfilling its responsibility for inland search and rescue.



National SARCOMP. The second biennial National Search and Rescue Competition held at Whiteman AFB, Missouri, over the Labor Day weekend was an unqualified success with more than 200 CAP members participating as competitors and staff. Above, CAP Executive Director Air Force Col John T. Massingale, Jr., and CAP National Vice Commander Col Edgar Bailey pose with Northeast Region Commander Col John Bertoli and the Northeast Region team (of the New Jersey Wing) following the announcement that the team was the overall winner and had been awarded the Aerospace Rescue and Recovery Service Commander's Trophy. (Kneeling, left to right) Capt William Drury, Maj Joe Abee, Maj Charles Costa, and Cadet Harry Magazu; (standing, left to right) Capt Joe Massi, Col Massingale, Maj Ed Burns, Lt Col Robert Emig, Maj Rey Montalvo, Col George Bockenek, Lt Col Robert Walton, Col Bailey, Cadet Ken Hawthorne, Cadet Dan Gelormini, Capt Tom Lores, 1Lt Rich Stevens, and Maj Harold Thorp. (Photo by George Wendt)



Search Competition. Lt Col James E. Thomey, third from left, briefs the Arkansas Wing team during the Southwest Region Search and Rescue Competition held at the Texas State Technical Institute in Waco, Texas. The Arkansas team won first place in the mission coordination phase of the competition, but the Louisiana Wing team was best overall in the competition. (Photo by Rand McNatt)

During 1986, Civil Air Patrol flew 12,527 hours on 2,208 Air Force-authorized missions and was credited with locating 1,551 search objectives and saving 136 lives. CAP flew over 80 percent of the search hours on missions coordinated by the Air Force Rescue Coordination Center (AFRCC). CAP wings in Louisiana, Florida, Puerto Rico, Alaska, Hawaii, and California also frequently provided search assistance to the US Coast Guard.

Although the high incidence of inadvertent activation and voice transmission on emergency locator transmitter (ELT) frequencies is of major concern, the ELT has continued to be the best hope for timely rescue of survivors of general aviation air crashes. Civil Air Patrol continued to work with the AFRCC in an effort to decrease the false ELT rate. In Alaska and California, Civil Air Patrol directly aided a massive education and communications program to inform the aviation community of the importance of maintaining reliable ELT equipment, monitoring of the ELT frequency, and filing accurate flight plans. CAP has also 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.

In 1986, the CAP Northeast Region participated with the Air Force Rescue Coordination Center (AFRCC) in the second round of search and rescue (SAR) awareness symposiums. The event brought local, state, and federal members of the SAR community together to exchange knowledge about each other's SAR capabilities and operating procedures. The meetings play a significant part

in CAP's continuing effort to promote awareness and improvement of SAR.

MISSION SUMMARIES

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

Mountain Crash

Washington. A Piper Vagabond with two persons on board enroute from Kelso, Washington, to Mt. St. Helens, Washington, for sightseeing was reported missing. Washington CAP and the 304th Aerospace Rescue and Recovery Squadron (ARRS) were alerted for the search. Washington CAP located the crashed aircraft at the 5,700 foot level in the Mt. St. Helens crater. A 304th ARRS helicopter recovered the survivors and delivered them to the Monticello Hospital in Kelso. The two saves were jointly credited to the 304th ARRS and Washington CAP.

Forced Landing

North Carolina. A Piper Cherokee with two people on board was enroute from Charlotte, North Carolina, to Charleston, West Virginia, when the pilot reported she was making a forced landing due to engine problems. North Carolina CAP located the downed aircraft near the Hickory, North Carolina, airport. The two survivors were recovered by Hickory Police, Fire, and Rescue Squad personnel and taken by ambulance to the Hickory Hospital for treatment of multiple injuries.



Rescue Exercise. New York Wing cadets carry simulated victim on makeshift emergency stretcher during realistic training exercise near Berkshire, New York. (Photo by Matt Mendelsohn)

Blood Transport

South Dakota. At the request of United Blood Services, South Dakota CAP transported blood from Rapid City to Winner, South Dakota, for a woman undergoing surgery for an aneurysm.

Medical Mission

Texas. In response to a request from the American Red Cross, Texas CAP transported blood from Wichita Falls, Texas, to Sayre, Oklahoma, for use in the treatment of a man suffering from internal bleeding.

Missing Woman

Oklahoma. At the request of the McIntosh County sheriff, Oklahoma CAP assisted in the search for an 87-year-old woman missing from her home. Oklahoma CAP located the woman in the vicinity of her home in critical condition and used a CAP ground team to recover and transport her to Tulsa for medical attention.

Mercy Mission

Montana. As requested by the American Red Cross, Montana CAP delivered blood platelets and plasma from Great Falls to Livingston, Montana, for a man suffering from blood loss following surgery.

Lake Landing

Alaska. The Alaskan Air Command Rescue Coordination Center alerted Alaska CAP to investigate a satellite-detected ELT signal 85 miles southwest of Fairbanks. Alaska CAP located a Piper Supercub on a frozen lake with collapsed landing gear and spotted the pilot walking. Due to onset of darkness and subfreezing temperatures, an Army helicopter recovered the survivor and returned him to his home in Nenana.

Local Flight

Utah. A Piper Cherokee with two persons on board was reported missing on a local flight from Salt Lake City, Utah. Utah CAP and the U.S. Army at Dougway Proving Ground located the crashed aircraft in Lambs Canyon, Utah. A Salt Lake County sheriff's helicopter was used to recover one survivor to the LDS Hospital in Salt Lake City.

Lost Fisherman

Washington. At the request of the Grant County sheriff, Washington CAP assisted in the search for an 83-year-old man who failed to return from a fishing trip. Washington CAP and the Grant County sheriff located the man near Lake Lenice and recovered him by helicopter to the search base.

Missing Snowmobiler

Alaska. A participant in a snowmobile race from Selawik to Kiana, Alaska, was reported overdue. CAP and other ground searchers had negative results during the evening, and Alaska CAP launched a night search for camp or signal fires along the trail with no results. The weather was clear but extremely cold at -60° . On the second day, CAP searched between Kiana and Selawick and located the snowmobile, but the man had not remained with the machine. The 3rd Eskimo Scout Battallion of the Army National Guard located the individual and directed a ground party to his location. The ground team took him to a site where the helicopter could land and the survivor was recovered to the hospital at Kotzebue. The man suffered from frostbite and hypothermia and, when located, was walking in a direction away from civilization and his rescuers. A save was jointly credited to Alaska CAP, the 3rd Eskimo Scout Battallion, and a civilian ground search party.



Search Test. South Dakota Wing members pool their knowledge as they represent the North Central Region team in completing the SAR exam as part of the National Search and Rescue Competition held at Whiteman AFB, Missouri.

Snakebite Victim

Florida. Florida CAP transported six vials of snake antivenin from Orlando Executive Airport to Homestead AFB for use in the treatment of a Miami man with severe medical complications resulting from a snakebite.

Mercy Mission

Kansas. In response to a Red Cross request, Kansas CAP transported six units of whole blood from Wichita to Parsons, Kansas, for use in the treatment of a man requiring surgery for ulcers.

Missing Man

Washington. Upon request of the Yakima County sheriff, Washington CAP located a missing hiker ten miles northeast of Mt. Ranier, Washington. The man was in good physical condition but totally disoriented in a remote location. The survivor was recovered by the Central Washington Mountain Rescue Team.

Lost Children

Minnesota. At the request of the local sheriff, Minnesota CAP assisted in the search of three missing 7-year-old children. Minnesota CAP located the children in the vicinity of Grand Rapids in good physical condition but wet, cold, and lost in deep woods.

Six Saved

Alaska. Alaska State Troopers requested Alaska CAP to assist in the search for six native Alaskans enroute from Kotzebue to the whale hunting grounds on the northwest coast of Alaska near Point Hope, some 620 miles northwest of Anchorage. The five adults and one child were last seen departing Kivalina in high winds and blowing snow aboard three snowmachines pulling sleds. CAP planes located the party along the Kukpuk River with inoperative snowmachines and all individuals in a hypothermic condition with varying degrees of frostbite. Four of the survivors were airlifted to Kotzebue for medical treatment and ground searchers accompanied the remaining two to Kivalina. Six saves were jointly credited to Alaska CAP, the North Slope Borough SAR Team, ground searchers, and the Alaska State Troopers.

Mountain Climber

Colorado. The Delores County sheriff reported that a Colorado Springs man was overdue from a trip to El Diente Mountain in the San Juan National Forest. Colorado CAP and the Dove Creek Search and Rescue Team located the man who had been seriously injured in a fall and recovered him to the base of the mountain where a private helicopter picked him up for delivery to Montrose Hospital.

Search Briefing. USAF-CAP South Dakota Wing Liaison Officer Maj David Buchholz gives status briefing to HQ CAP-USAF DCS/Operations Col Neal Westbrook, left, and Director of Emergency Services, Lt Col Peter J. Kailsky, center, during the National Search and Rescue Competition held at Whiteman AFB, Missouri, over the Labor Day weekend. (Photo by George Wendt)





Tracking Signal. Middle East Region cadets Ron Brickler, left, and Percy Van Rym use direction finders to track emergency locator transmitter (ELT) signals during the ground ELT search phase of the National Search and Rescue Competition. (Photo by George Wendt)

Three Saved

New Mexico. The New Mexico State Police and New Mexico CAP cooperated in the search for a Cessna 210 with five persons on board reported missing while enroute from Durango, Colorado, to Wichita, Kansas. The crashed aircraft was located southwest of Dulce, New Mexico, and three survivors and two deceased persons were recovered by ground vehicles and helicopter. Three lives saved were jointly credited to New Mexico State Police and CAP.

ELT Search

Alaska. Anchorage CAP was alerted for an ELT search in the Farewell Lake area on 6 September, but weather conditions delayed search until 9 September. A crashed P-18 with two persons on board was located approximately 125 miles NW of Anchorage, on the north side of the Alaska range. Damage to the aircraft was substantial, but the two men were uninjured. The survivors were recovered by helicopter.

Lost Hiker

Nevada. The El Dorado County, California, sheriff requested Nevada assistance in searching for a missing hiker. Nevada CAP located the young man in the vicinity of Lake Aloha, California, suffering from frostbitten hands and feet. He was recovered by a California Air National Guard helicopter.

Missing Persons

Utah. The Garfield County sheriff requested Utah CAP assistance in searching for a man and four children who had been missing for two days. Utah CAP located the group in a wilderness area near Rock Canyon. They were recovered in good physical condition by ground team and delivered to the family cabin.

Mine Rescue

Missouri. The Iron County sheriff requested Missouri CAP assistance in the rescue of a man pinned under a 40-ton boulder in an abandoned iron mine at Pilot Knob, Missouri. Missouri CAP transported two cave rescue personnel from Spirit of St. Louis Airport and an hydraulic jack from St. Louis Downtown Airport to the Farmington Regional Airport. The sheriff delivered the rescue personnel and the jack to Pilot Knob to free the trapped man. A save was credited jointly to Missouri CAP, the Iron County sheriff, and the National Cave Rescue Commission.

ELT Mission

Wyoming. Wyoming CAP was alerted to investigate an ELT signal being heard in the vicinity of Buffalo, Wyoming. Using airborne and hand-held ground direction finders, Wyoming CAP located a crashed Mooney as the source of the distress signal. One of the two persons on board had survived the accident.

Knife Wounds

Wyoming. At the request of the Unity Blood Bank in Cheyenne, Wyoming, CAP transported 12 units of blood from Cheyenne to Lander, Wyoming, for treatment of a patient suffering from multiple stab wounds.



Practice Search. Cadets Robert Dodson, left, and Carmen Torres of New Jersey's Salem County Composite Squadron check their position on the map before beginning practice search. They were among the 50 cadets participating in a weekend bivouac at the Millville Airport.

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 resource to the Air Force and DOD in assisting with this mission. CAP has worked with the Federal Emergency Management Agency (FEMA), Federal Aviation Administration (FAA), U.S. Readiness Command, U.S. Army, Navy, Coast Guard units, and other DOD agencies to develop plans for supporting civil and military noncombatant requirements. CAP tasking in support of national agencies includes:

- Search and rescue (SAR) for downed aircrews
- Damage assessment, both visual and photographic
- Airborne radiological monitoring
- Communications: HF and VHF
- Dispersal airfield support
- Courier flights for personnel, small parts and documents
- Continental US Air Reconnaissance for Damage Assessment (CARDA)
- Natural disaster response and support
- Command and control for air and ground movements
- Medical evacuation/transportation
- Target simulation
- Radar and/or communications systems evaluation
- Coastal area surveillance



Red Cross Support. Illinois Wing Group 4 pilots Don Hill, left, and Charles Beierlatzer, accept a human organ parcel from Red Cross official Cindy Waddick at Freeport Airport for delivery to Red Cross personnel at Bloomington-Normal Municipal Airport. The mission was the first joint effort between the CAP unit and the Red Cross.

In June 1986, CAP demonstrated its support capabilities by conducting Exercise Friendship 86 as their part of the national/JCS exercise program. Over 25 CAP wings coordinated and participated with civil and military authorities on national plans concerning civil and military defense emergencies. Over 1,700 sorties and 2,500 hours were flown by CAP aircraft in direct support of these training exercises.

Traffic Director. Cadet Melissa Wilbanks of the Arkansas Wing directs aircraft during the Southwest Region Search and Rescue Competition held at the Texas State Technical Institute in Waco, Texas. (Photo by Rand McNatt)



Special Remembrance. Malcom Harper officially transferred a Cessna 182 to Civil Air Patrol as he presented the keys to Washington Wing Commander Col Ted Tax. The aircraft had belonged to his wife, 1Lt Kathy Harper, who lost her life in an aircraft accident in June 1985 while participating in a Civil Air Patrol training mission. At the time of her death, Kathy had been upgrading the communications and electronics of her airplane. Malcom completed the upgrading before transferring it to CAP.



MILITARY TRAINING ROUTE SURVEYS

CAP helps assure the safety of Air Force aircrew members 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 1986, 44 training route survey missions were flown by CAP.

AIR FORCE PARTS AND PERSONNEL TRANSPORT

Although a limited activity, CAP's role in transporting aircraft parts, personnel, and other items is benefiting both CAP and the Air Force. Many Air Force bases serve as central supply points or have satellite operations at nearby bases. When there is an immediate need for this support, CAP can transport the required items, allowing combat support aircraft to maintain operational status without the delays of scheduled transportation and without wasting valuable aircrew training time. During 1986, New Hampshire, New York, and Maine wings flew support missions for Air Force bases in their states.

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, Aircraft Owners and Pilots Association, or other flight safety organizations. The clinics include ground instruction in essential subjects such as flying safety, FAA regulations,



Clinic Training. Maj Sarah McLeod and Lt Marvin Poland double-check flight planning problem during the Michigan Wing Group I Flight Clinic held in Saginaw. The flight clinic combined intensive ground school training with actual flight checks and orientation.



Operation Handshake. California CAP participated with other emergency services organizations in "Operation Handshake" as an effort to improve the efficiency of interagency search and rescue activities. The 2-day exercise in the mountainous terrain of northern California around Silver Flat was considered extremely beneficial by all participants. Above, Search and Rescue Coordinator Laurence Buffalo, center, briefs a Civil Air Patrol aircrew. (Photo by Edward Crankshaw)

emergency procedures, flight planning, and aviation weather. Participants also demonstrate safe aircraft piloting skills to an FAA-certificated flight instructor or a qualified CAP check pilot. During 1986, a total of 1,281 CAP pilots participated in flight clinics held throughout the country.

CIVIL AIR PATROL CUSTOMS MISSION.

On 14 Nov 85, Civil Air Patrol (CAP), the United States Air Force, and US Customs Service entered into an agreement whereby CAP would assist the US Customs Service by performing air surveillance reconnaissance flights along the boundaries of the United States in support of the government's drug interdiction effort. Civil Air Patrol aircraft operating costs are paid by the Air Force with Customs Service reimbursing the Air Force. Civil Air Patrol support is limited to data-gathering flights and supporting communications of a passive nature. It does not involve CAP members in law enforcement. The program began along the Florida coast, with CAP being on call to check on suspicious vessels, and is now expanded to California and Arizona where CAP is checking for activity at abandoned airstrips and dry lake beds. This quarter, approximately 190 CAP members were trained in the drug mission, and CAP now flies about half of the Customs Service surveillance/patrol flying hours. By the end of December, CAP had flown 1,000 hours on 300 missions. Plans have been made to expand operations into Texas and the Chesapeake Bay area in early 1987. Also, to encourage increased participation by CAP in the government's drug interdiction surveillance and reporting mission, Congress, in its recent drug legislation, has authorized the Department of Defense to provide \$7 million in appropriated funds to purchase major items of equipment needed by CAP for this mission.

COMMUNICATIONS

The Civil Air Patrol, with its nationwide communications system consisting of approximately 32,000 fixed, ground mobile, airmobile, and repeater stations, provided impressive support to local, state, and federal agencies. During Exercise Friendship 86, part of a national exercise, the CAP communications network provided professional message traffic support to the Strategic Air Command (SAC), North American Air Defense Command (NORAD), and the Air Force Logistics Command (AFLC). In support of SAC, CAP high-frequency (HF) operators accurately relayed 34 messages and responded to radio communications with World Wide Airborne Command Post (WWACP). In support of AFLC, CAP established an HF communications link from AFLC Headquarters to designated operating locations across the United States.

To enhance CAP's communications program, 39 radio stations have been outfitted with state-of-the-art high-frequency (HF) equipment to be used for proper interface with state emergency management centers and military resources. This equipment, maintained and

operated by CAP communicators, dramatically improves the responsiveness of Civil Air Patrol to disaster relief victims, search and rescue operations, and many other emergency situations.

CAP communicators continued to support the National Communications System (NCS) by providing operators at designated locations to exercise the reconstitution of the National Command Authority Network in the event of a national emergency. The CAP excelled in all three Night Tango exercises evaluated in 1986.

CAP communications sustained an outstanding record of fulfilling its responsibilities in search and rescue and disaster situations by providing a vital communications link between aircraft, ground search teams, and command centers. CAP communications networks were activated daily with initiation of the National Command Net between National Headquarters and CAP Regions, thus enabling positive coverage to the lowest echelon. These operations, once again, demonstrated that CAP radio networks can be interfaced with other agencies to provide an effective and cohesive nationwide communications system.



Mission Support. Members of Tennessee's Tullahoma Cadet Squadron, from left, Marge Pulliam, James Abbott, Scott Martindale, and Bob Boudreau, provide communications support to the Air Force Systems Command during the Joint Chiefs of Staff command post exercise Present Arms '86.

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. Cadet membership is open to US citizens and persons lawfully admitted for permanent residence to the United States and its territories and possessions who are 13 through 18 years of age, or have completed the sixth grade. Upon reaching age 18, cadets may choose to either become senior members or continue in the cadet program until their 21st birthday.

The program provides cadets with opportunities to develop their leadership skills in an aerospace-oriented environment under the guidance of adult CAP members with the advice and assistance of Air Force liaison personnel. Cadets may progress at their own pace through a structured program of aerospace education, leadership training, physical fitness, moral leadership, and planned aerospace-related activities. Upon completion of each structured achievement, cadets earn increased rank, decorations, awards, and eligibility for national special activities. Cadets experience both individual and group involvement in encampments, orientation flights and a variety of special activities. An additional incentive or benefit is an advanced rank of E-3 should a Mitchell Award recipient choose to enlist in the US Air Force.

CADET ENCAMPMENTS

A prerequisite for earning the General Billy Mitchell Award is that a cadet attend a CAP encampment, either at a U.S. Air Force or DOD installation or at a community, state, or national facility arranged at the local level. Attainment of the Mitchell Award is the first major benchmark of the Cadet Program. It qualifies cadets for participation in more advanced special activities and automatically qualifies them for the grade of airman first class (E-3) should they choose to enlist in the Air Force.

Most importantly, however, is the impact of encampment attendance on the cadets' future lives. In most cases, this is their first exposure to the everyday excitement and challenge of the aerospace world. 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.

During 1986, a total of 5,742 CAP cadets and 1,167 CAP senior members attended encampments. Civil Air Patrol is deeply grateful to the commanders and personnel of the 37 Air Force installations and 15 other Department of Defense facilities across the country who so generously supported the Civil Air Patrol encampment program. An additional 12 encampments were conducted at non-DOD facilities.



Course Review. During break period, Cadets Robert Rixham, left, and Aaron Clark review material learned during formal classroom instruction during the first annual Air Force Computer Orientation Program at Gunter AFS, Alabama. The course was a joint effort between the CAP National Headquarters and the Air Force Standard Information System. (Photo by George Wendt)



Kentucky Encampment. A highly successful encampment for 79 cadets of the Kentucky Wing was held at Maxwell AFB, Alabama, during 1-8 August. The group, which had been organized into four flights for training, marched in parade in front of the Civil Air Patrol National Headquarters. (Photo by George Wendt)



Merit Training. Cadet Richard Crapse of North Carolina's Winston-Salem Composite Squadron teaches Scout David Beaman of Troop 502 how the controls affect an airplane's flight during an Aviation Merit Badge Workshop presented by the CAP unit for 27 Boy Scouts. During the day-long workshop, all ten requirements for the Aviation Merit Badge were completed.

INTERNATIONAL AIR CADET EXCHANGE (IACE)

The IACE program was conceived in 1946 by the Air Cadet League of Canada and the Air Training Corps of Great Britain and was first conducted in 1947 with the assistance of the Royal Canadian Air Force and the Royal Air Force. Civil Air Patrol entered the exchange in 1948 with the assistance of the U.S. Air Force. The program has grown over the years, having involved some 41 countries at one time or another.

From its origin, the purpose of the IACE has been to promote international understanding, goodwill and friendship among young people having a common interest in aviation. To this end, the annual 19-day exchange of cadets is conducted by Civil Air Patrol and organizations such as national aero clubs and national air force academies. Participating organizations in each country sponsor and provide visiting cadets with sightseeing trips, tours of aerospace industries and museums, visits to airports and Air Force installations, orientation and training flights in gliders and powered aircraft, and visits to host families' homes.

In the 1986 program, 108 cadets and 17 senior member escorts were exchanged with cadets from 12 other IACE Association member nations and 2 countries in the Pacific. Exchanges with the Pacific countries are arranged and conducted bilaterally by Civil Air Patrol under similar rules and format and in conjunction with the regular IACE program.



Flight Training. Cadet Jeffrey A. Vail buckles up and prepares for flight in a Cessna 150 during the annual Illinois Wing Flight Encampment held in the Mattoon-Charleston area in late June. The encampment provided ground and flight training in gliders, powered aircraft, and hot air balloons. (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 1986, a total of 734 cadets participated in these activities. The most competitive and prestigious activity was the *International Air Cadet Exchange* which involved 108 cadets and 17 adult escorts in an exchange with 14 countries. The *Cadet Officer School* conducted at Gunter Air Force Station, Alabama, and taught by the Air University faculty was attended by 87 cadets from 32 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 1 undergraduate navigator and 2 undergraduate pilot training bases was attended by 98 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 Course* was conducted by the USAF Pararescue School to instruct the 140 cadet participants in the various techniques of rescue operations. This exceptionally popular 1-week 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 8 CAP regions competed in aerospace knowledge, physical fitness, and precision drill. The California Wing team, representing the CAP Pacific 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 was conducted in 1985 and 1986 as a national cadet special activity. The 2-week program provided instruction in survival, drill and ceremonies, flightline operations, and aircraft traffic direction and control. The activity conducted primarily at Volk Field, Wisconsin, also included a trip to the Experimental Aircraft Association Airshow at Oshkosh, Wisconsin, for the 126 participating cadets and 32 senior members.

A new cadet special activity was added in 1986. The Air Force Computer Orientation Program (AFCOP) was conducted at Gunter AFS, Alabama, with 31 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 HQ Standard Information Systems Center, Gunter AFS.

Working Together. Cadets attending the first annual Air Force Computer Orientation Program at Gunter AFS, Alabama, who pick up on the uses of computers quickly are encouraged to help other cadets by working together. The week-long program was designed to introduce cadets to the many uses of computers and the ways in which the Air Force operates with them. (Photo by George Wendt)





Preflight Check. Cadet Jeffrey A. Vail checks the oil in his Cessna 150 as part of the preflight inspection during the twenty-first annual Illinois Wing Cadet Flight Encampment. Jeffrey was among the 60 cadets provided solo training in either powered aircraft, gliders, or hot air balloons during the 8-day program. (Photo by George Wendt)



Lift Off. A CAP cadet and instructor begin the learning/teaching process as the glider lifts off behind the tow aircraft during the Illinois Wing Flight Encampment. Powered flight and hot air balloon flight training were also provided during the 8-day encampment. (Photo by George Wendt)

FLIGHT TRAINING

Civil Air Patrol allocated \$33,000 in its fiscal year 1986 budget to provide locally conducted solo flight training and orientation flights for cadets. The funds provided 53 solo flight scholarships to cadets in the 52 CAP wings and overseas units. Scholarships covered expenses of ground school and flight training leading to solo qualification.

CAP cadets may also qualify for a series of six 30-minute orientation flights. The program is funded and conducted at wing and unit levels, but the CAP national treasury provides partial reimbursement for the first flight. During 1986, the 52 wings and overseas units were partially reimbursed for the expense of providing over 3,300 cadets their first flight experience and several thousand additional cadets were provided flights in the ongoing 6-flight series at the expense of local CAP units and individual CAP members.

SCHOLARSHIP PROGRAM

In 1986, the Civil Air Patrol, through its National Scholarship Program, provided a total of \$41,000 to 81 of its members to supplement their college or vocation-technical school education. 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. In addition to the national scholarship program, many scholarships are provided by local and state level CAP units and outside organizations.



Cadet Contest. Members of the Texas team representing the CAP Southwest Region in the National Cadet Competition prepare to compete in the aerospace knowledge phase of the event. The competition has been conducted at Maxwell AFB, Alabama, during the Christmas holidays each year since 1975. A 16-member team from each of the eight CAP regions compete in aerospace knowledge, physical fitness, and precision drill to determine the winner of the coveted "USAF Chief of Staff CAP Cadet Sweepstakes" trophy. The 1986 closely contested 2-day event was won by the California Wing team representing the CAP Pacific Region. (Photo by George Wendt)

AEROSPACE EDUCATION

The year 1986 was significant for aerospace in two ways: it marked the return of Comet Halley and the continued growth of Civil Air Patrol aerospace education. However, the comet was soon just a memory while the aerospace education program remained to energize new concepts and programs for implementation. Thus, the objectives of continuing to educate our own memberships and the American public were attained.

The Aerospace Education Program for Senior Members (AEP SM) revealed a fourth straight year of growth with more than 5,000 CAP senior members now having completed the program. Since its inception as a "leadership by example" program, AEP SM has proved to be a worthy venture as indicated by the completion rate of CAP region, wing, and squadron leaders.

NATIONAL CONGRESS ON AVIATION AND SPACE EDUCATION

Nearly 1,000 educators, business and industry leaders, and Civil Air Patrol members attended the nineteenth annual National Congress on Aviation and Space Education in New Orleans, Louisiana, on 20-22 March. This event, cosponsored by the Federal Aviation Administration, National Aeronautics and Space Administration, and Civil Air Patrol, is designed to promote an understanding of aviation and space education throughout the nation. This motivational program encourages teachers to incorporate aerospace education into their curriculums and leaders to lead out on the crucial aerospace issues facing our nation today.



Teacher in Space. Barbara Morgan visits with Cadet Jeff Traylor of the Louisiana Wing during the 1986 National Congress on Aviation and Space Education. Mrs. Morgan was backup to Sharon Christa McAuliffe, the First Teacher in Space candidate who lost her life in the Challenger disaster, and is now the prime candidate for the program.



Education Congress. Air University Commander Lt Gen Thomas C. Richards, center, talks with "Chuck" Yeager, left, and CAP-USAF Commander Col John T. Massingale, Jr., during a break in activities at the 1986 National Congress on Aviation and Space Education held in New Orleans on 20-22 March.

The 3-day meeting opened with Presentation of Colors and introductions by the Master of Ceremonies, Mr. Jack Barker, Director of Public Affairs, FAA, Southern Region, Atlanta, Georgia.

Sharon Christa McAuliffe, the first Teacher in Space candidate, was scheduled to be the keynote speaker for the Congress. In light of the Challenger disaster, the Congress was dedicated to her and the memory of the Challenger crew. Ms. Barbara Morgan, Christa's backup, conducted a dedication ceremony, which also included a video tape message from Senator Jake Garn and Congressman Bill Nelso and personal letters from President Reagan and Senator John Glenn.

Participants were also addressed by Scott Crossfield, famous X-15 test pilot; Rear Admiral Grace M. Hopper who, until her retirement in August of 1986, was the oldest active-duty military officer in the services; Brig Gen Charles "Chuck" Yeager, USAF Retired, famous pilot and author; Dr. James Rutherford from the American Association for the Advancement of Science; Lt Col William S. Pine, USAF Space Command; and Jim McMurtry, NASA National Space Technology Laboratories (NSTL).

One of the highlights of the Congress was the tour to NSTL where hundreds of participants braved the 2 a.m. hour in order to view Comet Halley and to tour the facility.

Attendees also participated in numerous small group meetings and seminars. Special interest groups such as CAP aerospace education officers, Air Force ROTC instructors, FAA personnel, and NASA educators were also



Computer Talk. Rear Admiral Grace M. Hopper, U.S. Navy, spoke during the National Congress on Aviation and Space Education on future possibilities of data, hardware, software, and people as they relate to computers. Admiral Hopper was then the oldest active-duty military officer in the nation.



Aerospace Award. Capt Dennis L. Yeager was presented the Frank G. Brewer Civil Air Patrol Memorial Aerospace Award in the Senior Member Category by CAP National Commander Brig Gen Eugene Harwell. Capt Yeager is Director of Aerospace Education for the Missouri Wing and was recognized for his outstanding efforts in promoting aerospace education throughout the state of Missouri during 1985.

able to convene. Thus, time was provided to share experiences, techniques, methods, and future plans.

The Crown Circle Award is presented annually to a select few for outstanding accomplishment in aerospace education. The three inductees to be honored during an impressive ceremony were Ms. Robin Kline, Dr. John Horine, and Ms. Mary Jo Knouff.

The presentation of the A. Scott Crossfield Teacher of the Year Award was a Congress first this year. Ms. Robin Kline, an elementary teacher from Scottsdale, Arizona, was recognized for her outstanding accomplishments in aerospace education and became the first recipient of this prestigious award.

The twentieth annual National Congress on Aviation and Space Education will be held at the Sheraton Twin Towers Hotel in Orlando, Florida, on 26-28 March 1987.



Aerospace Competition. Cadet Mark Manoogian of Massachusetts's Brockton Cadet Squadron with his unit's second place winning entry in the Massachusetts Aerospace Competition during the Massachusetts Wing Convention. The project traced development of the telescope from discovery to present and future of space based observatories.



Organization Award. Linda Budge, representing the Aerojet General Corporation of Sacramento, California, accepts the organizational Frank G. Brewer Civil Air Patrol Memorial Aerospace Award from CAP National Commander Brig Gen Eugene Harwell as Frank G. Brewer, Jr., and CAP Executive Director Air Force Col John T. Massingale observe. The award is named for Brewer's father.

AEROSPACE EDUCATION WORKSHOPS

Support of teacher training through aerospace education workshops continues to be one of Civil Air Patrol's most important contributions to aerospace education. Civil Air Patrol, in cooperation with colleges, universities, and individual school systems, supported 213 graduate-level workshops in 37 states with approximately 5,000 educators attending.

Civil Air Patrol provided advice, assistance, and support in developing curriculums according to the requirements of the host institution. 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.

A nationwide aerospace education workshop survey was designed to measure what constituted a successful workshop. Flexibility proved to be the key characteristic of the effective workshop director while organization, proper use of resources, and ongoing evaluation ranked high in the makeup of the workshop itself. These and other findings were shared with directors in an attempt to improve our nation's education system.

AEROSPACE EDUCATION MATERIALS

In order to meet the training needs of Civil Air Patrol aerospace education officers (AEOs), an *AEO Starter Kit* and *Specialty Track Study Guides* were prepared. These materials were designed to present an orderly yet challenging sequence of preparation for the people who fill these vital CAP roles.

In special memory to Christa McAuliffe and the Challenger crew, the *Space Shuttle Learning Packet* was revised and a poster series and activity book were created for use in the education arena nationwide. An *Educator's Guide to DOD Aerospace Resources* was also published in order to serve as a resource for the same audience.



Teacher Award. A. Scott Crossfield presents the A. Scott Crossfield Aerospace Education Teacher of the Year Award to Ms. Robin L. Kline. Ms. Kline was the first recipient of the annual award established by Mr. Crossfield to recognize and reward classroom teachers for outstanding accomplishments in aerospace education.

Crane Award. Lt Col Al Linebaugh, left, of the California Wing and his son, Air Force 1st Lt Jeffrey A. Linebaugh, display the Order of Daedalus Stinson Night Carl Crane Award. Jeffrey, a former California CAP member, earned the award as the pilot with the highest score in the instrument phase of training of all Air Force pilots who completed pilot-instructor training at Randolph AFB, Texas during 1985. The Crane Award is named in honor of aviation pioneer Carl Crane, who, with Bill Oaker in 1920, wrote the book on instrument flying.



Moon Rock. Capt Ellis L. Marples, Public Affairs Officer for the CAP New Jersey Wing, answers questions of fifth grade students on rock samples brought back from the moon by the Apollo astronauts in 1972. Marples is certified by NASA to sign for moon rocks and has been making aerospace education presentations to schools and organizations for the past six years. (Photo by Joe Engel)





Illinois Wing Flight Encampment. The annual Illinois Wing Flight Encampment was conducted in the Mattoon-Charleston area in late June for 60 selected cadets. The eight-day program was divided between ground school in the fundamentals of flight and actual flight training in either powered aircraft, gliders or hot-air balloons. Above, a cadet and instructor are just moments away from release from tow aircraft and free flight, and, below, cadet performs preflight inspection a powered aircraft. (Photos by George Wendt)



National Cadet Competition Sweepstakes Award. The 16-member team from the Bronx Group of the New York Wing representing the Northeast Region won top honors in the Civil Air Patrol National Cadet Competition held at Maxwell AFB, Alabama in December 1985. The team has won the competition and the Air Force Chief of Staff Sweepstakes Trophy four times since the trophy award was established in 1978. In April 1986, team members visited the Pentagon for official presentation of the trophy by General John L. Piotrowski, Air Force Vice Chief of Staff, shown attaching a CAP Unit Citation Award streamer to the Bronx Group guidon.



T-33 Orientation Flight. Cadet Michelle McManus of Florida's Gainesville Composite Squadron is ready for a chance of a lifetime. Michelle was one of eight outstanding cadets selected to receive an orientation flight in a T-33 aircraft during the Florida Wing encampment. The encampment was conducted at Tyndall AFB on 17-23 August for 104 Florida Wing cadets. (Photo by Frank Zentner)



CIVIL AIR PATROL NATIONAL BOARD MEMBERS

(As of 31 December 1986)



NATIONAL COMMANDER
Brig Gen Eugene E. Harwell
CAP



NATIONAL VICE COMMANDER
Col Edgar M. Bailey
CAP



EXECUTIVE DIRECTOR
Col John T. Massingale, Jr.
USAF



COMMANDER
NORTHEAST REGION
Col John M. Bertoli
(Vermont)



COMMANDER
MIDDLE EAST REGION
Col David Ellsworth
(North Carolina)



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



COMMANDER
SOUTHEAST REGION
Col William C. Tallent
(Tennessee)



COMMANDER
NORTH CENTRAL REGION
Col Donald A. Sumner
(Minnesota)



COMMANDER
SOUTHWEST REGION
*Col George R. Way
(Texas)



COMMANDER
ROCKY MOUNTAIN REGION
Col Virginia E. Smith
(Utah)



COMMANDER
PACIFIC REGION
Col Warren G. Barry
(California)

*Also serves as Chief of Staff

NATIONAL FINANCE OFFICER
Brig Gen Johnnie Boyd
CAP



NATIONAL LEGAL OFFICER
Col Maurice E. Cook
CAP



**WING
COMMANDERS**

MIDDLE EAST REGION

DELAWARE

Col Herbert M. Wood

MARYLAND

Col Kenneth R. Welk

NATIONAL CAPITAL

Col Ronald A. Quander

NORTH CAROLINA

LTC Jack D. Moorefield

SOUTH CAROLINA

Col Douglas Abercrombie

VIRGINIA

Col Herman H. Maddox

WEST VIRGINIA

Col John P. Ratcliff

NORTHEAST REGION

CONNECTICUT

Col Howard E. Palmer

MAINE

Col David J. Braun

MASSACHUSETTS

LTC Donald N. Prouty

NEW HAMPSHIRE

Col George G. Heald

NEW JERSEY

Col George S. Bochenek

NEW YORK

Col Roy I. Arroll

PENNSYLVANIA

Col A. A. Milano

RHODE ISLAND

Col Raymond G. Berger

VERMONT

LTC Meredith W. Newman

GREAT LAKES REGION

ILLINOIS

Col Lawrence F. Lis

INDIANA

Col George W. Young

KENTUCKY

LTC William K. Hughes

MICHIGAN

LTC Kenneth C. Redington

OHIO

Col Loren G. Gillespie

WISCONSIN

Col Raymond A. Noonan

SOUTHEAST REGION

ALABAMA

Col Robert M. Dorning

FLORIDA

Col Richard E. Leighton

GEORGIA

Col James A. Hyde, Jr.

MISSISSIPPI

LTC Therrell D. Fortune

PUERTO RICO

Col John J. Gonzalez

TENNESSEE

Col Charles R. Barksdale

NORTH CENTRAL REGION

IOWA

LTC Eugene C. Kellogg

KANSAS

Col Ralph Rissmiller, Jr.

MINNESOTA

LTC Alan Brandon

MISSOURI

LTC Joseph D. McMillan

NEBRASKA

Col Richard L. Anderson

NORTH DAKOTA

Col Paul E. Eide

SOUTH DAKOTA

Col Jerry A. Hayden

SOUTHWEST REGION

ARIZONA

Col Dalton O. Smith

ARKANSAS

Col Maxine E. Biggers

LOUISIANA

LTC Wallace P. Ansardi

NEW MEXICO

Col Larry A. Harrah

OKLAHOMA

Col Fred L. Latchaw

TEXAS

Col Thomas L. Todd

ROCKY MOUNTAIN REGION

COLORADO

Col Harry E. Kouts

IDAHO

Col Craig L. Mickelson

MONTANA

Col Lance J. Edwards

UTAH

Col John W. Barainca

WYOMING

Col Gregory F. Bell

PACIFIC REGION

ALASKA

LTC Troy G. Sullivan

CALIFORNIA

LTC V. Lee White

HAWAII

Col John A. Parrish

NEVADA

Col Bradford L. Sharp

OREGON

Col Earl G. Smith

WASHINGTON

Col Theodore A. Tax

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, Chief of Staff, National Finance Officer, National Legal Officer and the eight 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 photos on these pages and wing commanders are listed under their respective regions.

In addition to the above, the Civil Air Patrol structure includes three other corporate officers who are not members of the governing bodies. The National Administrator, Brig Gen Carl S. Miller, USAF (Ret), and the Legal Counsel, Col Thomas A. Handley, CAP, are full-time CAP employees who perform duties as assigned by the National Executive Committee and National Commander. Col June G. Ruth, CAP, serves in the elected position of National Controller.



Brockton Cadet Squadron Bagpipe Band. The Massachusetts Wing Brockton Cadet Squadron Bagpipe Band performed during the Hanscom Air Force Base Open House in Bedford, Massachusetts. The unique band was formed in 1974 by the Brockton Cadet Squadron and members of the local community who shared an interest in the Scottish bagpipe and traditions. The band is known throughout the country for its fine performances and has played for events as such as President Carter's inauguration. (Photo by Paul Willard)



Blue Beret Encampment at Oshkosh, Wisconsin. CAP cadets formed up for inspection during the annual Blue Beret Encampment at Oshkosh, Wisconsin. The 1986 encampment was attended by 230 cadets and 30 senior members for the largest turnout in the program's 20-year history. The first week of the encampment at Volk Field, Wisconsin provided training in survival, ground search, communications and flight line operations. During the second week at Oshkosh, Blue Beret personnel supported the Experimental Aircraft Association Convention and Airshow by assisting with crowd control and flightline parking. Cadet participants also established a "hotline" to the Air Rescue and Recovery Service at Scott AFB, Illinois and used direction finding equipment to locate and deactivate 15 emergency locator transmitters that had been inadvertently activated. Their assistance in four emergency situations resulted in CAP later being credited with four lives saved.



Air Force Academy - CAP Cadet Ranking Highest in Order of Merit. Thomas M. Bailey graduated from the Air Force Academy in the Class of 1986. The former CAP Cadet member of Missouri's O'Fallon Composite 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. Above, Tom was presented his

personal honor roll plaque by Brig Gen Marcus A. Anderson, center, Academy Commandant of Cadets. Col Howard J. Rice, USAF-CAP Rocky Mountain Liaison Region Commander, also participated in the ceremony. Below, CAP cadet assembly during Rocky Mountain Region joint Cadet Leadership School and Senior Staff College hosted by the Air Force Academy. (Photos by Bill Madsen)



Spaatz Award. In a special ceremony at McConnell AFB, Kansas, Mary K. Retz was presented the General Carl A. Spaatz Award by Maj Gen James P. McCarthy, Strategic Air Command Deputy Chief of Staff for Plans. Mary is a member of the Kansas Wing Wichita First Composite Squadron and the third member of her family to earn the award which recognizes the highest level of achievement in the CAP cadet program.



Combined Program. The joint Rocky Mountain Region Staff College and Cadet Leadership School was conducted at the U.S. Air Force Academy, Colorado for cadet and senior members from 17 CAP wings. Left to right, cadets Ron Terry of Colorado, Michael Traylor of Louisiana, and Marli Schuler of Iowa and senior member Daniel Naumann of Colorado demonstrated successful interaction of cadet and senior members by working as a team to finish first in a competitive leadership reaction exercise. (Photo by Jean Mays)

SENIOR MEMBER TRAINING

The Senior Member Training program is designed to provide the training necessary to enable CAP senior members to effectively support Civil Air Patrol in its mission performance. Civil Air Patrol attracts a diverse group of members with varied education and skills which makes a strong and standardized training program a necessity. Members must be trained to conduct the cadet program, perform the emergency services mission, and accomplish the day-to-day organizational tasks. This includes specialty training in administration, personnel, logistics, and finance. The National Headquarters Senior Training Division identifies training needs and develops and monitors required programs. The division staff works with CAP members in the field at all levels to develop curricula for courses to be conducted by CAP personnel. The CAP training program is organized into five levels.

Level I. CAP Orientation Course (Membership Award)

The Level I CAP Orientation Course is presented in two parts. The first part provides basic information on history and organization of CAP, career development programs, activities, CAP customs and courtesies, proper wear of the CAP uniform, and basic principles of leadership and management. 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.



Senior of the Year. Lt Col Charles G. Easley was presented the CAP Senior Member of the Year Award by National Commander Brig Gen Eugene Harwell during the CAP National Board Meeting in St. Louis.



Congressman Honored. CAP National Vice Commander Col Edgar Bailey, left, and CAP National Commander Brig Gen Eugene Harwell, right, join in the special award presentation to U.S. Representative Sam Stratton of New York in recognition of his continuing support of Civil Air Patrol.

Level II. Technical Specialty Training and Officer Development (Senior Member Certificate of Proficiency)

At this level the 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 training 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 U.S. Air Force Extension Course Institute (ECI) at Gunter Air Force Station, Alabama.



Region Competition. 1Lt William P. Smith conducts preflight check during the Southwest Region Search and Rescue Competition. Smith served as an observer on the Arkansas Wing SAR team during the event held at the Texas State Technical Institute in Waco, Texas. (Photo by Rand McNatt)



Top Communicator. Lt Col George H. Hudson of the Tennessee Wing was presented the 1986 Communicator of the Year Award by CAP National Commander Brig Gen Eugene Harwell during the National Board Meeting in St. Louis.

Level III. Command and Staff (Grover Loening Aerospace Award)

Central to Level III training is the Corporate Learning Course. Training is conducted over a weekend and concentrates on specified CAP regulations, manuals, and pamphlets. 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 begun in Level II, and participate in CAP activities above the squadron level.

Level IV. Command and Staff (Paul E. Garber Award)

The training program for this level is designed to prepare senior members for high levels of leadership in CAP. Members are expected to represent CAP in their communities by making presentations before local civic groups, church groups, governmental agencies, etc. Members must also attend a 1-week staff college normally 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. More than 300 senior members graduated from region staff colleges in 1986. Additionally, members must take a more active role in CAP national, regional, and wing events and continue their service in a command or staff position.

Level V, Executive (Gill Robb Wilson Award)

Only the most dedicated senior members will attain this level training. They are required to assume much more responsibility for CAP activities. They are required to serve as staff members in CAP training programs and must continue to serve in a command or staff position for three years. The academic requirement for this level is completion of the 7-day CAP National Staff College (NSC) conducted annually at Maxwell AFB, Alabama. This college provides advanced leadership and management training, an insight into international affairs, and 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 schools. Both graduate and undergraduate academic credit are available for the college that graduated 72 senior members in 1986.

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:



Corporate Donation. Maj Solomon Berkowitz, left, and Capt Robert Poulin of New York's Westchester Group check out a new computer donated to the unit by Mr. Jay Weinbert, President of the Corporate Angel Network, Inc. The computer will be used to maintain unit records and for support of search and rescue and training activities. (Photo by Anthony Vitulli)



Historic Aircraft. Col David Braun, Maine Wing Commander, presents Alton Clanchette with a Certificate of Appreciation and a plaque to be mounted inside his restored 1936 Beechcraft 17-L Stagger Wing Airplane. The owner and aircraft were recognized as a result of the Civil Air Patrol National Historical Committee's efforts in the CAP Historic Aircraft Marking Program. The 50 year-old Beechcraft was recognized for its two year service with Civil Air Patrol in 1942-1943, performing the Southern Liaison Patrol mission along the Mexican border. Mr. Clanchette purchased the historic aircraft in 1972 and completed the restoration in the spring of 1985. (Photo by Frank Powers)

- **Extension Course Institute. (ECI).** ECI is the correspondence school of the Air Force and is open to CAP members without charge. CAP members find ECI courses in general military training and certain specialized fields, such as communications, especially beneficial. CAP-unique courses are also developed and administered by ECI to augment training in the Level II specialties.

- **National Search and Rescue (SAR) School.** The National SAR School is designed to enhance the professionalism of SAR mission coordinators. In 1986, 30 CAP members attended the 1-week course conducted by the USAF and USCG at Governor's Island, New York, and an additional 31 CAP mission coordinators attended a school at Mather AFB, California.

- **Communications Training.** Communications schools are conducted annually by the CAP Northeast Region of CAP at Kutztown State College; Kutztown, Pennsylvania. Additionally, in 1986, a communications school was conducted by the Great Lakes Region at Scott AFB, Illinois, and by the Southwest Region at Randolph AFB, Texas. These schools are open to both senior and cadet members and provide training in communications procedures and techniques that qualify attendees for "Communications Officer" responsibilities in their CAP units of assignment.

- **Commander's Course.** The 1986 class of an annual orientation course for new wing and region commanders was conducted at National Headquarters, CAP, Maxwell AFB, Alabama, in March 1986. This course, which was extended from 3 days to 4 days in 1986, was designed and conducted by CAP-USAF personnel as an inhouse program to present current issues/programs and address specific needs of commanders. Nine newly appointed wing commanders attended this course.



Top Commander, Nevada Wing Commander Col Bradford Sharp, center, was presented the Wing Commander of the Year Award by National Commander Brig Gen Eugene Harwell and CAP Executive Director Air Force Col John T. Massingale, Jr., right. The Nevada Wing was also recognized as number one in the nation under the CAP-Management Analysis Program.



CAP Coordinator, Air Force Capt Paul Willard, CAP Coordinator at Hanscom AFB, Massachusetts, donated books on the history of CAP to Base Librarian Gerald Griffin for addition to the base Project Warrior collection. The commander of each Air Force installation is required to designate a field grade officer to serve as point of contact to coordinate CAP activities.

- **Flight Clinics.** Civil Air Patrol promotes flight safety by defraying part of the expense for CAP pilots who attend a flight clinic sponsored by the CAP and sometimes in association with the Federal Aviation Administration, 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. 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.

- **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 year, each wing conducts up to five practice disaster relief exercises and search and rescue exercises, and two test exercises which are monitored by US 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.

Airshow Support. During the 1986 Blue Beret Encampment, New Jersey Cadet William Jones assisted in marshalling and parking aircraft in support of the Experimental Aircraft Association Convention and Airshow at Oshkosh, Wisconsin.



CAP CHAPLAINCY

The CAP chaplaincy, with over 1,000 men and women representing over 125 religious denominations serving as CAP chaplains, is one of the largest volunteer chaplaincy programs in the world. These volunteer clergy from the civilian sector play a specialized role in the religious life, morale, and morals of Civil Air Patrol's cadet and senior members. Each chaplain is screened for professional competence and then must receive ecclesiastical endorsement from his or her denomination. In addition, each is required to be ordained, have completed four years of college, and three years of seminary or its equivalent in professional experience. The CAP chaplain force is further augmented by some 250 visiting clergy (not members of Civil Air Patrol), who conduct the cadet moral leadership training program in squadrons that are without a duly appointed chaplain.

In addition to performing a specialized and vital role as personal counselor/chaplain to each CAP member and providing a chaplain ministry and presence in search and rescue missions, encampments, and memorial and patriotic observances, one of the most crucial areas of ministry for CAP chaplains is conducting the moral leadership program for Civil Air Patrol cadets. The ultimate goal of the moral leadership program is to equip America's youth and, hopefully, future leaders with a deep sensitivity and strong commitment to moral, spiritual, and patriotic values. The Civil Air Patrol Chaplaincy "writing team" each year works on updating these moral leadership sessions with new material. A new series, one on contemporary issues, was due to be published in early 1987. These pamphlets, titled "Values for Living," contain topics relevant to today's problems and offer guidance to individuals in selecting a good set of values for daily living. During the

training sessions, the cadets become involved in raising moral issues, looking at inconsistencies, and avoiding forced or preconceived values. By encouraging cadet participation in moral leadership and discussions, the CAP chaplain helps prepare the young cadet mentally and morally to face the world of tomorrow.

1986 HIGHLIGHTS

The Red Cross Transplantation Series—a special slide and tape series—was developed with the National Red Cross on the ethical implications of organ transplantation. It addressed brain death, organ donation, and recipient eligibility. It was prepared jointly by the National Chaplain's office and the Red Cross. The slide and tape series, along with a special edition of the Values for Living series, were distributed to all wing and region chaplains. They, in turn, handled the logistics of insuring all chaplains used the material in their units.

Chaplain, Lt Col, Roger M. Baxter, Jr, CAP, Ohio Wing Chaplain, received the CAP Chaplain of the Year Award.

Chaplain, Major, William A. Koschny, CAP, of Headquarters, Group 17, Florida Wing, received the Thomas C. Casaday Unit Chaplain of the Year Award.

Principal speaker at the Civil Air Patrol National Chaplain meeting in St Louis, Missouri, was Chaplain, Maj Gen, Stuart E. Barstad, USAF, Chief of Chaplains, USAF.

Civil Air Patrol cadets participated in a USAF-sponsored Christian Encounter Conferences at Bonclarken Retreat Center, Flat Rock, North Carolina; Mo Ranch, Texas; and Black Hills State College, Spearfish, South Dakota.



Unit Chaplain. Chaplain, Maj William S. Koschny of Florida's Headquarters Group 17, right, was presented the CAP Thomas C. Casaday Unit Chaplain of the Year Award by CAP National Commander Brig Gen Eugene Harwell in a special ceremony during the CAP National Board Meeting.

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 26 May 1948. The Act, also known as the CAP Supply Bill, was amended on 27 May 1954 and again on 8 September 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 United States Government while performing Air Force-assigned missions.

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 CAP 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 CAP and detail of any officer or employee of the Department of the



Senator Member. Senator Robert C. Byrd of West Virginia, left, accepts a certificate of membership in the CAP Congressional Squadron from CAP National Commander Brig Gen Eugene Harwell. The Senate Minority Leader was the keynote speaker at a CAP banquet at Martinsburg, West Virginia on 10 May.



Tennessee Member. U.S. Representative Marilyn Lloyd from Tennessee's 3rd Congressional District was presented her certificate of membership in the Washington D.C.-based CAP Congressional Squadron by Tennessee Wing Group II Commander Maj Franz Earhardt, right, and Deputy Wing Chaplain Scott Keagan. Congresswoman Lloyd is chairwoman of the Congressional Science and Technology Committee and a member of the House Armed Services Committee.

Air Force to any of the liaison offices, or to any unit or installation of CAP 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.

On 28 September 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.

Air Force Support

The 1984 congressional amendment to the CAP Supply Bill significantly enhanced Air Force support of Civil Air Patrol. Under that authorization, \$6.1 million in Air Force funds were used during FY 1985 and FY 1986 to upgrade CAP emergency services resources and to purchase uniforms for CAP cadets. Air Force funds were used to purchase 28 new and 58 late-model used aircraft and to partially rehabilitate an additional 227 aircraft currently in the CAP-owned fleet. This was of critical importance since the CAP aircraft fleet had decreased from 800 to 550 over the past 10 years, and the average age of CAP-owned aircraft was 18 years. The availability of Air Force funds

enabled CAP to halt the decrease in fleet size and to replace or rehabilitate aircraft that were becoming unsafe to operate. CAP's capability was further enhanced by the purchase of 60 vans for emergency services mission support. Also, Air Force funds were used to purchase communications components to upgrade the CAP National Communications Network for support of the CAP emergency services mission and for CAP's noncombatant wartime role in support of the Air Force. The funds used to purchase cadet uniforms provided a much needed boost to the Cadet Program. The cost of the uniform, previously borne by the cadet, was a major obstacle to many considering CAP cadet membership and prevented many minority and disadvantaged youth from joining. A 3-year downtrend in cadet membership was reversed, and an 8 percent increase in cadet strength was achieved in 1986 partially as a result of this new Air Force-funded incentive.

The basic Air Force support of Civil Air Patrol authorized by the original CAP Supply Bill in 1948 has continued to be the mainstay of the organization. A primary element of this support has been the establishment and manning of Air Force liaison offices at national, state, and territorial levels of Civil Air Patrol. The Air Force liaison structure and Civil Air Patrol come together at the Headquarters CAP-USAF/National Headquarters Civil Air Patrol level. The bridge between the Air Force and CAP exists in the person of the CAP-USAF Commander,



Reservist Recognized. Air Force Reserve MSgt William A. Click was presented the Grover Loening Aerospace Award by Virginia Wing Commander Col Herman Maddox. The award signifies completion of the Command and Staff level of the CAP Senior Member Training Program. Sergeant Click is a member of the Civil Air Patrol Reserve Assistance Program and works with the Virginia Wing to provide advice and assistance in conducting senior member and cadet training programs.



SAR Targets. Air Force Maj Hal Brunaugh, left, and Air Force MSgt Terry Perry decide on placement of search targets in preparing for the National Search and Rescue Competition held at Whiteman AFB, Missouri.

Colonel John T. Massingale, Jr., USAF. As the senior officer in the CAP-USAF liaison structure, he performs duties in a dual status.

As an active-duty Air Force officer, Colonel Massingale directs USAF support of Civil Air Patrol and commands all Air Force personnel assigned to Headquarters CAP-USAF and the 8 region and 52 wing liaison offices. 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 manage the day-to-day activities of the corporation. He is also a voting member of the CAP National Board and National Executive Committee. The Air Force staff assigned to Headquarters CAP-USAF supports Colonel Massingale in both functions.

In each of the 8 USAF-CAP liaison regions (which correspond to the 8 CAP regions that geographically divide the 50 states, Puerto Rico, and the District of Columbia), an Air Force colonel commands a small Air Force staff in the region office and an officer and noncommissioned officer in each of the USAF-CAP wing liaison offices under his jurisdiction. Within the Air Force command structure, Headquarters CAP-USAF comes under Air University, commanded by Lieutenant General Truman Spangrud, USAF.

In addition to the full-time liaison staff, Air Force Reserve personnel, functioning through the CAP Reserve Assistance Program, serve as an extension of the CAP-USAF liaison mission. They 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 FY 1986, 338 Air Force reservists assigned to the program served 5,826 mandays in support of CAP and spent 32,452 hours of nonpaid, or points only, advice and assistance time.

STATE SUPPORT

Forty-three states and the commonwealth of Puerto Rico provided appropriated funds to assist in the operation of their respective Civil Air Patrol wings during fiscal year 1987. A total of \$2,871,788 was provided. 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	\$158,300	New Hampshire	\$ 83,233	Rhode Island	\$ 50,000
Alaska	314,840	Kentucky	15,000	New Mexico	84,900	South Carolina	82,982
Arizona	82,596	Louisiana	53,940	New York	50,000	South Dakota	29,109
Arkansas	58,519	Maine	5,000	North Carolina	92,300	Tennessee	65,050
California	112,000	Maryland	30,000	North Dakota	53,295	Texas	17,000
Colorado	91,820	Massachusetts	125,000	Ohio	2,000	Utah	50,000
Connecticut	40,000	Michigan	25,000	Oklahoma	20,124	Vermont	7,000
Delaware	7,000	Minnesota	65,000	Oregon	10,000	Virginia	183,480
Florida	47,755	Mississippi	20,000	Pennsylvania	325,000	Washington	22,500
Georgia	42,000	Missouri	7,495	Puerto Rico	35,000	West Virginia	89,000
Hawaii	100,000	Nebraska	14,550			Wisconsin	19,000
		Nevada	45,000				

TEN YEARS IN REVIEW

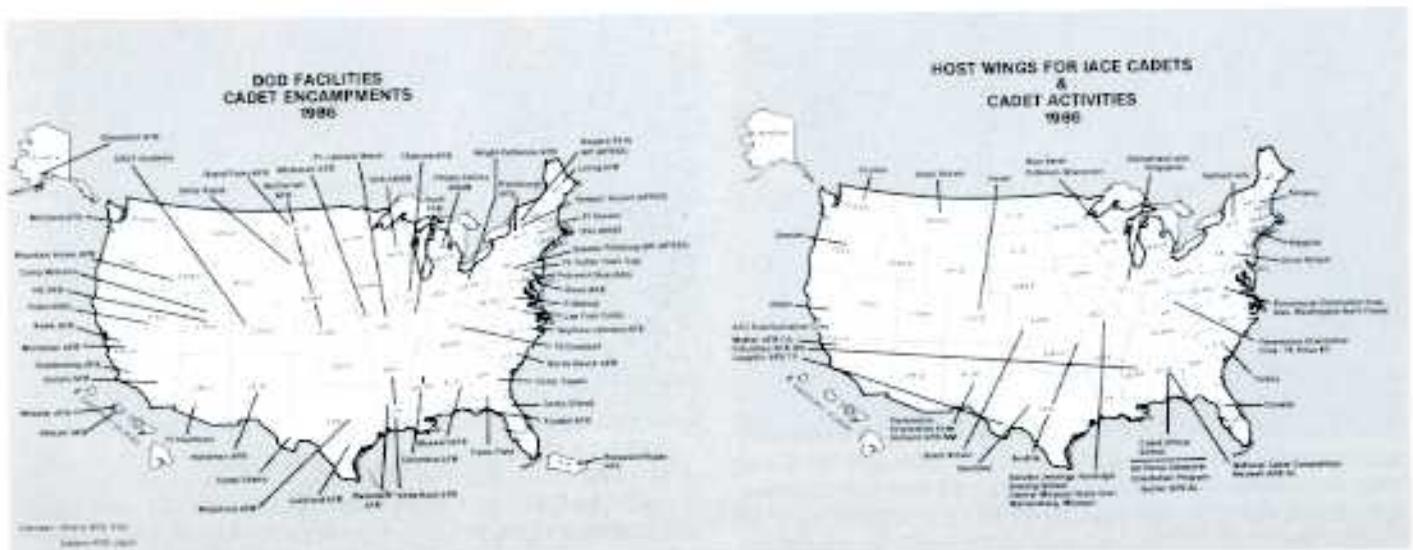
Year	No. Wings	Amount	Year	No. Wings	Amount
1977	34	1,391,013	1982	42	\$2,622,223
1978	35	1,652,198	1983	39	2,461,246
1979	38	1,823,572	1984	44	2,768,215
1980	39	2,200,623	1985	44	2,793,155
1981	42	2,537,027	1986	44	2,871,788

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 1986 included vehicles, communications equipment, office equipment, and other property with an original cost to DOD of \$5,770,691.64. DOD agencies identified no excess aircraft for transfer to CAP during 1986 as compared to seven in 1985.

CAP SUPPLY DEPOT

CAP 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 550 CAP corporate-owned aircraft, consisting of 60 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.



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 CAP through financial contributions for local squadron activities and solo and private pilot scholarships on both the local and national levels. National recipients of \$1,500 scholarships in 1986 were cadets Bryan Birchem of the Iowa Wing; Kenneth M. Gunter of the Montana Wing; and William P. Kurnik of the Arizona Wing. The scholarships are used for ground and flight training toward a FAA private pilot certificate.

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 CAP as the chartered partner. This association has expanded the resources of both organizations and provided an improved program for youth.



AFA Award. Cadet Kenneth Hawley was selected as Outstanding Cadet of the Year for the Massachusetts Wing and presented a special Air Force Association Award and a \$100 savings bond by the Paul Revere Chapter of the AFA during a ceremony at Hanscom AFB, Massachusetts. From left: Hanscom AFB CAP Coordinator Capt Paul Willard, Cadet Hawley, and AFA Chapter President Bill Lewis.

Air Cadet League of Canada (ACLC). The International Air Cadet Exchange (IACE) 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 ACLC 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 CAP in its efforts to improve its communications program. Mr. Robert McNamara, 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. Col James Bigelow of the CAP California Wing represents Civil Air Patrol on the NASAR Board of Directors.

United States Coast Guard Auxiliary (USCGA). The USCGA is a national, voluntary, nonprofit organization dedicated to promoting safe boating and assisting the United States Coast Guard. Under an August 1985 agreement between CAP 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.



Scholarship Winner. Cadet Janet L. Anderson of Michigan's Utica Sterling Cadet Squadron was presented the Mary Von Mach Scholarship by Claire M. Ojala of the Ninety-Nines of Michigan during the annual Amelia Earhart Fellowship Luncheon held in Lansing. The Von Mach flight scholarship, named in honor of the Michigan aviation pioneer, is awarded annually to a deserving female Civil Air Patrol cadet by the Ninety-Nines of Michigan. (Photo by Clyde Chamberlin)



License Plates. Kentucky Governor Martha L. Collins signs House Bill 881 authorizing special license plates for members of the CAP Kentucky Wing. Witnessing the ceremony were, left to right, Air Force Wing Liaison NCO MSgt Katie Soergel, Air Force Wing Liaison Officer Lt Col John Bean, Lexington Senior Squadron Commander Capt Jack Clarkson, Kentucky Wing Commander Col George Hudson, and State Representative Ernesto Scorsone, sponsor of HB 881.



Congressional Reception. CAP National Commander Brig Gen Eugene Harwell, left, presented special appreciation plaques to Congressmen Roy Dyson, Maryland, center, and Nick Rahall, West Virginia, during a reception in Washington on 8 May. The event served as a means for CAP leaders to recognize congressional members who have supported CAP's successful legislative programs over the past five years.



Museum Visit. Cadet Todd Hall of Ohio's Mark N. Shirk Composite Squadron sights a B-24D's .50 caliber machine gun during a visit to the Air Force Museum at Wright-Patterson AFB, Dayton, Ohio. A special night visit to the museum provided Todd and other members of his unit a rare opportunity to check the interior of the B-24D and B-36J bombers. (Photo by Alan Adams)

Federal Aviation Administration (FAA). The FAA served with CAP and NASA as cosponsors of the 1986 National Congress on Aviation and Space Education held in New Orleans in March. FAA and CAP also continued to provide mutual support and cooperation in other areas of common interest as agreed upon in their November 1985 Memorandum of Understanding. FAA also provides speakers, films, and training material for CAP-sponsored flight clinics and safety programs.

National Aeronautics and Space Administration (NASA). NASA, along with CAP and FAA, cosponsored the 1986 National Congress on Aviation and Space Education held in New Orleans on 20-22 March. Ms. Barbara Morgan, the backup Teacher in Space candidate, conducted a ceremony to dedicate the Congress to Sharon Christa McAuliffe and the memory of the Challenger crew. NASA also supports CAP's aerospace education and cadet program efforts in many other ways.

American National Red Cross (ANRC). Civil Air Patrol continued its support of the American Red Cross 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, CAP supported the ARC in its program for obtaining human tissues for transplantation by providing transportation for Red Cross personnel for collection of donor tissues and transport of tissues to central distribution centers.

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 CAP 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.



Scout Workshop. Cadet John Risko, center, instructs Boy Scouts Lewis White, left, and David Beamon in aircraft instrumentation during the day-long Aviation Merit Badge Workshop presented by cadets of North Carolina's Winston-Salem Composite Squadron for 27 Boy Scouts. The CAP unit is dual chartered as Aviation Explorer Post 82 and has found the scouts to be enthusiastic recipients of its aerospace education efforts and also an excellent source of good, new CAP cadets.

Volunteers of America (VOA). CAP 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. The Optimist International urges Optimist Clubs to extend their services to their communities by sponsoring CAP cadet programs at the local level.

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 CAP was adopted in 1973. There has since been a continuing development of this worthwhile association.

Air Force Association. (AFA). The Air Force Association is a longstanding strong supporter of Civil Air Patrol in all three of its basic missions at the national and local levels. The AFA actively participates in the National Congress on Aviation and Space Education and presented a special AFA award to CAP's Senior Member of the Year during the CAP National Board Meeting. AFA also presented a special award to the CAP Cadet of the Year at the annual AFA Conference.

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



Leadership Award. Lt Col Harry Hicks, Commander of the Texas Wing Jersey Village High School Composite Squadron, was presented the F. Ward Reilly Leadership Award by CAP National Commander Brig Gen Eugene Harwell during the CAP National Board Meeting. Lt Col Hicks was recognized because of the selection of his unit as the 1986 CAP Squadron of Distinction.

RECOGNITION OF EXCELLENCE

UNIT RECOGNITION

Squadron of Distinction. The Jersey Village High School Composite Squadron of the Texas Wing earned recognition as the Civil Air Patrol Squadron of Distinction based on the unit's overall accomplishments in conducting the cadet program. The unit's present commander, Lt Col Harry P. Hicks, Jr., received the F. Ward Reilly Leadership Award in recognition of his outstanding performance.

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

- (1) White Pine Composite Squadron, Nevada Wing
- (2) Raritan Valley Composite Squadron, New Jersey Wing
- (3) Deer Valley Composite Squadron, Arizona Wing
- (4) Marshfield Cadet Squadron, Oregon Wing

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

Nevada - Pacific Region
Oklahoma - Southwest Region
West Virginia - Middle East Region
Tennessee - Southeast Region

Kansas - North Central Region
Wisconsin - Great Lakes Region
Connecticut - Northeast Region
Utah - Rocky Mountain Region

AU Commander's Safety Award - North Central Region

Paul W. Turner Safety Award - Delaware Wing

INDIVIDUAL RECOGNITION

Cadet of the Year. John G. Russell, Alabama Wing
Senior Member of the Year. Lt Col Charles G. Easley, Nevada Wing
Wing Commander of the Year. Col Bradford L. Sharp, Nevada Wing
Civil Air Patrol Hall of Honor. Col Larry D. Miller (Posthumous)
F. Ward Reilly Leadership Award. Lt Col Harry P. Hicks, Jr., Texas Wing
Historian of the Year. Col Lance J. Edwards, Montana Wing
Safety Officer of the Year. Lt Col Conrad J. Albrecht, Jr., Pennsylvania Wing
Chaplain of the Year. Col Roger M. Basser, Jr., Ohio Wing
Thomas C. Casaday Unit Chaplain of the Year. Col Maj William S. Kuykendall, Florida Wing
Communicator of the Year. Lt Col George H. Hubson, Tennessee Wing
Public Affairs Officer of the Year. Capt James M. Price, North Carolina Wing

FRANK G. BREWER CAP MEMORIAL AEROSPACE AWARDS

Cadet Category. Cadet Timothy J. Kuehnecker, Montana Wing
Senior Category. Capt Dennis L. Yeager, Missouri Wing
Individual Category. Mr Lorna Krieger, Washington Wing
Organization Category. Aerquest General Corporation



Safety Award. The Paul W. Turner Safety Award was presented to Delaware Wing Commander Col Larry Tasker, center, by National Commander Brig Gen Eugene Harwell, left, and CAP Executive Director Air Force Col John T. Massingale, Jr., during the CAP National Board Meeting in St. Louis.



Top Award. Cadet Kevin J. Reinstein of the National Capital Wing Andrews Composite Squadron was presented the General Carl A. Spaatz Award by Air Force Vice Chief of Staff General John L. Piotrowski. The award signifies completion of all phases of the CAP Cadet Program.

General Carl A. Spaatz Award Winners. The following cadets are recognized for successfully completing all phases of the structured cadet program:

California

Timothy J. Morton, (No. 587), J.J. Montgomery Cadet Squadron
John E. Sower, (No. 791), Burbank Angel Cadet Squadron #1

Connecticut

Brian K. Sandley, (No. 381), Stratford Eagles Cadet Squadron

Delaware

John B. Brown, Jr., (No. 796), Newcastle Cadet Squadron

Florida

Wayne D. Kositz, (No. 793), Tampa Cadet Squadron
Bruce L. Lovins, (No. 786), 317th Cadet Training Squadron
Joseph J. Martin, (No. 802), Miami Springs Optimist Cadet Squadron
Vincent W. Mayfield, (No. 785)

Illinois

Edith E. Kenny, (No. 824), River Park Cadet Squadron
Randal J. Paxton, (No. 825), Forest Park Cadet Squadron
James S. Woodland, (No. 794), Effingham Composite Squadron

Iowa

Julie B. Pfanner, (No. 805), Des Moines Composite Squadron



Wing Historian. Montana Wing Commander Col Lance Edwards was presented the Wing Historian of the Year Award by National Commander Brig Gen Eugene Harwell during the annual National Board Meeting.



Academy Appointment. Cadet Michael Blair of New Hampshire's Concord Corsairs Composite Squadron is congratulated by New Hampshire Governor John Sununu upon his acceptance into the Air Force Academy. Michael had also received appointments to West Point and the Coast Guard Academy and offers of 4-year scholarships from the Army, Air Force, and Navy as well.

Kansas

Patrick A. Reiz, (No. 796), Composite One Squadron

Louisiana

Donald W. Smith, (No. 789), First Aerospace Cadet Squadron

Maine

Susan McIntire, (No. 811), Mid-Coast Composite Squadron

Michigan

Mark L. Davalos, (No. 790), Starfire Composite Squadron

Mark F. Plogar, (No. 788), Van Dyke Cadet Squadron

Michael S. Stasoski, (No. 804), Livonia Cadet Squadron

Minnesota

John F. Barone, (No. 798), Anoka County Composite Squadron

David A. Lien, (No. 806), Grand Rapids Composite Squadron



Computer Course. Cadet Karl Brown of the Florida Wing demonstrates his newly acquired working knowledge of computer functions for fellow students, Cadets June Strasil and Robert Phillips, during the first annual Air Force Computer Orientation Program conducted at Gunter AFS, Alabama, on 7-11 July. (Photo by George Wendt)

Montana

Tracy M. Glantz, (No. 803), Gallatin Composite Squadron

Tim J. Ruthemeyer, (No. 822), Helena Valley Composite Squadron

Robert H. Surovich, (No. 789, Montana CAP Wing HQ)

New Jersey

David P. Blair, (No. 807), Raritan Valley Composite Squadron

New York

Michael T. Bidard, (No. 820), TAK Composite Squadron

North Carolina

Robert Amfield, (No. 823), Winston-Salem Composite Squadron CAP

Michael G. P. Doeman, (No. 801), Triad First Flight Composite Squadron

Mark W. Schaft, (No. 810), Triad First Flight Composite Squadron

Ohio

Joseph A. Tuzan, (No. 818), Findlay Composite Squadron 911

Oklahoma

Scott E. Miller, (No. 782), Tulsa Composite Squadron

Oregon

Lawrence E. Hall, (No. 816), Marshfield Cadet Squadron

Scott A. Hall, (No. 792), Marshfield Cadet Squadron

Wesley C. Worley, (No. 817), Marshfield Cadet Squadron

Pennsylvania

Robert J. Lutz, (No. 738), Norristown Composite Squadron 906

David M. Meres, (No. 813), Williamsport Composite Squadron 401

Rhode Island

Michael W. Savard, (No. 809), Bristol County Composite Squadron

South Dakota

Dorell L. Hatten, (No. 821), Pierre Composite Squadron

Texas

John T. Atkins, (No. 800), Ellington Composite Squadron

Tracy J. Downing, (No. 812), Thunderbolt Composite Squadron

Christopher R. Scott, (No. 808), Ellington Composite Squadron

Utah

Jennifer Thompson, (No. 785), Cache Valley Composite Squadron

Vermont

Michael G. Marsh, (No. 796), Central Vermont Composite Squadron

Virginia

Matthew N. Knize, (No. 779), West Richmond Cadet Squadron

Vernon J. Sero, (No. 811), West Richmond Cadet Squadron

West Virginia

Thomas E. Johnson, (No. 819), Ft. Pleasant Composite Squadron

Amy B. Males, (No. 814), Morgantown Composite Squadron

Brewer Award. Cadet Timothy Ruthemeyer of Montana's Helena Composite Squadron accepts the Frank G. Brewer Civil Air Patrol Memorial Aerospace Award from CAP National Commander Brig Gen Eugene Harwell during the CAP National Board Meeting in St. Louis. The Brewer Award recognizes individual accomplishment in the advancement of youth in aerospace accomplishments.





Safety Award. North Central Region Commander Col Donald Sumner accepted the Air University Commander's Safety Award from CAP National Commander Brig Gen Eugene Harwell during the CAP National Board Meeting in St. Louis.

Scholarship Winners. Civil Air Patrol scholarships valued at \$41,000 for academic year 1986-1987 were awarded to 51 of CAP's outstanding members who are attending colleges and universities across the country. In addition to Cadet John G. Bumpall of the Alabama Wing, who received \$1,000 as Cadet of the Year, recipients were:

ALABAMA
Richard L. Goodie

ALASKA
Donald Black

ARIZONA
William Kerrick

CALIFORNIA
William Genney
Dawn Habina
Mark Harlin
Richard Richardson
Lisa Taylor

COLORADO
Andrew Linka

CONNECTICUT
Daniel Lind

FLORIDA
Eugene Becker
Vincent Mayfield

ILLINOIS
Dustin Dugan
Elizabeth Grube
Sylvia Grube
Thomas Herrick
Jo Ann Mrowca
Rita Mrowca
Dana Smith
Joe With

INDIANA
Michael Orr
Robert Pflin

IOWA
Bryan Berkman
Talle Plummer

MAINE
Susan Melrose

MARYLAND
Ervin Redman
Tetti Redman

MASSACHUSETTS
Monique Gupta
Robert Holloway

MICHIGAN
Phillip Andrews
Matthew Butkus
Susan Helitz
Mark Pappas
Patrick Sca

MINNESOTA
Todd Mitchell
Dennis Palmer

MISSISSIPPI
John Vocao

MONTANA
Kenneth Gantner

NAT CAP
Merrill Ballinger

NEBRASKA
Kristina Hoffer
James Parks
Elizabeth Slowinski
James Vigosa

NEW HAMPSHIRE
Josee Clark

NEW JERSEY
Stephen Gara
Kenneth Hawthorn

NEW MEXICO
Timothy Selph

NEW YORK
Christopher Calamia
Adam Costello
Michael Ginn
William Kauer
Lloyd Mills
Licia Morette
Daniel Nikoles
Russell Proxley
Barbara Rolfs
Kazuhiko Shridharani
Raymond Soaris

NORTH CAROLINA
G.P. Michael Freeman
Mark Schadt
Lutz Smith
Wayne Wright

OHIO
Patrick Harsant
James Wain

OREGON
Helene Marie Walker

TENNESSEE
Vivian Franklin
Christopher Price
Michael Rolan

TEXAS
Scott Harris
Jerry Hauger
Michelle Malone
Michael Mendora
Christopher Rogers

WEST VIRGINIA
Rustall Allen
Kenneth Cannibury
Jay Willard

WISCONSIN
Gordon Gensler
Edward Gowat
Chris Jaekl
Catherine Schrab

Gill Robb Wilson Award. 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 171 senior members in 1986.

ALABAMA
Charles Barr
Clyde W. Bradley, Jr.
John R. Carpenter
Henry J. Hayes
C. A. Shephard, II

ALASKA
Douglas H. Ankerman

ARIZONA
Milton E. Herman
Wayne T. Hays
Eugene T. Ours
Mary O. Ours

ARKANSAS
James L. Cimero

CALIFORNIA
Fred E. Arico
John C. Aron
Joan F. Emerson
Carl F. Johns
John N. Lawson
Angelo A. Parco
Dwight K. Sandaker
Doracela B. Scovena
Steven A. Sesslering
Eugene Ware
V. Lee White

COLORADO
Danna L. Creighton
Norman G. Kibbin
David M. McClary
Richard E. Oakes
Franklin H. Spitzer
Terri L. Spitzer

CONNECTICUT
Kerstin D. Faus
Gladya H. Faus
Gary F. Krupp
David B. Mykrom

DELAWARE
Denna S. Medina
Gabriel L. Medina

FLORIDA
Herman H. Brugman
Kathryn Puzos
Redney S. Harpe
Donald M. Hotchko
Wentrop G. Hall
William S. Koshov
James B. Shields
Dorothy Vandiver
Frank L. Zeman, Jr.

GEORGIA
Roy Gibbons
David B. Goodson
Hubert A. Hobbs, Jr.
Wesley K. Haril
John F. Latta
Ralph C. McElrath
Benjamin H. Stone
Theodore W. Whalen

HAWAII
Arthur F. Grinker

IDAHO
Berk Mohamed, II

ILLINOIS
Jose R. Hottel
Merrill W. Sebastian
Lawrence O. Simon

INDIANA
Glenn A. Kavich
David L. Vir

IOWA
John F. Latta

KANSAS
Charles H. Toller

KENTUCKY
James Dewey
Steven D. Gray
Robert D. Gray, Jr.
Ruth T. Gray
James Hanna
John D. Sike

LOUISIANA
Wallace P. Asanoff
Mary D. Berkowitz
Carol S. Beroff
Tobin J. Fantalone
Richard E. Inok
Frederick W. Parrish

MAINE
Robert Bealer
David L. Buzan

MASSACHUSETTS
Joseph Grillo
Theresa A. Lambert

MICHIGAN
Gordon G. Boehmer
Mildred J. Boehmer
Jay A. Schwartz
Russell E. Smith



Minnesota Award. Cadet David A. Lien of Minnesota's Grand Rapids Composite Squadron was presented the General Carl A. Spaatz Award by Minnesota Governor Rudy Perpich during a ceremony at the state capitol.

MINNESOTA

Gerald M. Quilling

MISSISSIPPIDaniel A. Williams
Robert A. Williams**MISSOURI**Louis Buzgert
Clyton J. Plympton
Bly Rice
Jeanette K. Ruckey
David K. Van Horn**NATIONAL CAPITAL**

Robert L. Allen

NEBRASKAAnna Maria Coward
Charles J. Mahaffey
Clyde Webb**NEVADA**

Doe L. Schwartz

NEW JERSEYNicholas T. Borzo
William H. E. Davis
Stephen Lavin**NEW MEXICO**

Ernest G. Imeson, Jr.

NEW YORKAniya W. Guarville, Jr.
Stanley Isaacson
Steven F. Pinta
Edmund S. Szulcinski**NORTH CAROLINA**Roy S. Clements
Michael F. Hooks
Jay M. Irwin
Jerry K. Lanthierwood
David B. Thompson**NORTH DAKOTA**Paul E. Eide
Wynola F. Thomson-Eide**OHIO**Ruth M. Baxter
Elmer R. Conrad
Harry L. Haring, Jr.
Christopher F. Moersch, III
Alan B. Nease
Franklin L. Stephens
Kenneth Vorvick**OKLAHOMA**Stephen Gendahl
Ronald Sandrop
Margaret J. White**OREGON**

Robert Gritz

PENNSYLVANIAHenry C. Beck
Herbert Carrier
Glenn B. Knight**Puerto Rico**

Francisco Rodriguez

RHODE ISLAND

Charles Peard

SOUTH CAROLINAFrank L. Doble
William A. Wall**SOUTH DAKOTA**

Bobbie S. Davis

TENNESSEECharles R. Barkolain
Robert L. Dyer
Alfred Nilsson**TEXAS**B. E. Baumgardner, Jr.
Enock J. Bridges
Catherine L. Barrow
Richard W. Caldwell
Elie E. Caldwell
Albert J. Hagan
Rebecca L. HaganClifford F. Hardy
Charlie J. Leath
Elizabeth M. Melby
Beverly A. Moore
Robert L. Taylor
William I. Thomas, III
Robert W. Ward**VIRGINIA**Charles S. Glenn
James R. Miesiel
Mary Ann Minsell
Lawrence E. Nowak**WASHINGTON**Brian A. Holmes
Ear Scott**WEST VIRGINIA**Jay V. Green
Gregory Handry
Paul T. White, Jr.
Brooks Wolff**WISCONSIN**William Cooper
Douglas W. King
David E. Stewart**WYOMING**

Sherleen M. Juras

MIDDLE EAST REGIONRobert J. Baron
Pauline M. Sivelli**NORTHEAST REGION**Carol S. Bensch
Axel T. Orling**ROCKY MOUNTAIN REGION**Hans H. Bager
Robert E. Hark
Barbara E. H. Murphy

Aircraft Purchase. Hawaii Wing Commander Col John A. Parrish, Jr., accepts the keys to a new Cessna 172 from U.S. Senator Daniel K. Inouye of Hawaii during a ceremony at the Honolulu International Airport. The airplane was one of 28 purchased for Civil Air Patrol with Air Force funds authorized by the 1984 amendment to the CAP Supply Bill. (Photo by Laurie Wilson)

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)

- * Gil Robt Wilson - 1972
- * Carl A. Smart - 1972
- * D. Harold Boyd - 1972
- * William C. Whalen - 1972
- * Paul W. Turner - 1972
- * Lyle W. Castle - 1972
- * F. Ward Kelly - 1972
- * Clem E. Livingston - 1972
- * Joseph S. Bergin - 1972
- * Alan C. Perkinson - 1972
- * Lucas V. Beall - 1973
- * Elbert Lyons - 1973
- * Harle L. Johnson - 1974
- * S. Hallock DuPont, Jr. - 1974
- * James C. Carter - 1974
- * William M. Patterson - 1974
- * Zack T. Mosley - 1976
- * Robert H. Herwick - 1979
- * Mervin K. Seickler - 1979
- * Thomas C. Casaday - 1980
- * Louise S. Morse - 1982
- * Gordon T. Weir - 1982
- * Juvenile Boyd - 1983
- * Lester L. Wolf - 1983
- * William D. Madson - 1981
- * Liery D. Miller - 1980
- * Deceased



CAP Week. Delaware Governor Michael N. Castle signs a proclamation for Civil Air Patrol Week marking the forty-fifth anniversary of the founding of Civil Air Patrol on 1 December 1941. The ceremony was witnessed by; from left, CAP Lt Col Donna Medina, Air Force Lt Col Phil White, and CAP Lt Col Jack Strickland.



Honor Cadet. Cadet Jason Miller of the Kansas Wing Wichita First Composite Squadron is prepared for a flight in a Kansas Air National Guard F-4D. Jason earned the orientation ride in the 184th Tactical Fighter Group jet through his selection as the Kansas Wing Cadet of the Year.

STATISTICAL SUMMARY

Vital Statistics as of 31 December

	1985	1986		1985	1986
MEMBERSHIP			AIRCRAFT		
Cadet	23,960	25,940	Corporate Owned	566	550
Senior	41,811	40,991	Member Owned	9,430	8,575
Total Members	65,771	66,931	Total Aircraft	9,996	9,125
ORGANIZATIONAL UNITS			EMERGENCY SERVICES		
Regions	8	8	Missions	2,327	2,208
Wings	52	52	Sorties	7,492	6,273
Groups	181	183	Hours Flown	14,210	12,527
Senior Squadrons	317	313	Finds	1,593	1,551
Cadet Squadrons	327	324	Saves	116	136
Composite Squadrons	915	904			
Flights	108	101	ENCAMPMENTS		
Total Units	1,908	1,885	Active Air Force Bases	23	37
RADIO STATIONS			Other DOD Facilities	19	15
Fixed Land	4,022	4,038	Non-DOD Facilities	22	12
Ground Mobile	19,430	20,170	Cadets Attending	5,007	5,742
Air Mobile	4,770	5,710	Seniors Participating	963	1,167
Search and Rescue	1,059	1,263	CADET AWARDS		
Corporate Aeronautical	566	550	Mitchell Awards	1,185	1,277
Repeater Stations	279	278	Earhart Awards	441	412
Emergency Locator	216	224	Spatz Awards	50	47
Total Stations	30,343	32,233			

WING PARTICIPATION IN EMERGENCY SERVICES 1 January 1986 through 31 December 1986

The data below details Civil Air Patrol participation in USAF-authorized search and rescue operations, disaster relief, and other emergency services missions. Thousands of additional hours are spent on state and local support activities that are not reported. During 1986, Civil Air Patrol was credited with 1,551 finds and 136 saves. Total missions and saves will not add correctly below because, in one instance, more than one CAP wing was involved. ("Finds" are search objectives located and "Saves" are lives saved.)

	Missions	Sorties	Hours	Finds	Saves
Alabama	36	141	249	22	3
Alaska	115	549	1131	69	42
Arizona	59	586	1343	38	2
Arkansas	27	67	124	18	0
California	268	1415	2787	197	3
Colorado	58	89	143	31	12
Connecticut	32	43	86	22	1
Delaware	10	18	25	8	0
Florida	147	154	247	133	1
Georgia	64	145	252	46	5
Hawaii	3	23	62	0	0
Idaho	10	49	98	1	2
Illinois	57	71	108	43	0
Indiana	38	28	61	31	0
Iowa	22	28	44	6	0
Kansas	29	41	65	18	8
Kentucky	15	26	57	9	0
Louisiana	55	50	71	44	0
Maine	27	22	50	14	0
Maryland	30	34	61	22	0
Massachusetts	46	210	399	31	0
Michigan	45	49	71	31	0
Minnesota	36	48	68	25	3
Mississippi	17	24	75	8	0
Missouri	26	81	157	24	1
Montana	12	41	95	2	2
National Capital	4	1	0	4	0
Nebraska	21	37	79	12	5
Nevada	24	195	732	7	3
New Hampshire	13	11	15	10	0
New Jersey	69	55	72	65	0
New Mexico	37	220	347	9	8
New York	71	92	139	55	0
North Carolina	42	76	137	29	2
North Dakota	11	6	8	7	2
Ohio	51	46	79	49	0
Oklahoma	30	124	243	20	1
Oregon	32	58	146	10	1
Pennsylvania	71	143	283	42	0
Puerto Rico	2	8	12	1	3
Rhode Island	8	21	44	6	0
South Carolina	19	24	51	15	5
South Dakota	11	27	46	6	2
Tennessee	40	215	391	25	0
Texas	169	263	479	150	1
Utah	19	263	735	11	8
Vermont	7	9	10	2	0
Virginia	49	84	129	27	0
Washington	78	177	240	46	4
West Virginia	10	6	11	5	0
Wisconsin	39	23	50	39	4
Wyoming	13	57	130	6	3
National Totals	2,208	6,273	12,527	1,551	136



Cadet Officer School - Project X. The annual Cadet Officer School conducted at Gunter AFS, Alabama and taught by the Air University faculty was attended by 87 specially selected cadets from 32 CAP wings. The ten-day event featured the development and application of basic leadership and management skills. In addition to the daily academic and athletic activities, the cadets received a challenging workout at the Air Force Squadron Officers School "Project X" at Maxwell AFB. Obstacle course-like tasks provided cadets with valuable lessons in problem solving, leadership and teamwork. (Photo by George Wendt)

Winter Survival School at Hawk Mountain, Pennsylvania. The Pennsylvania Wing Ranger Program for over thirty years has consisted of Winter Survival and Summer Ranger Schools conducted at the Pennsylvania Wing Hawk Mountain training facility. Capt John Shingara warms himself at a fire during a break in the rigid Winter Survival School training schedule. (Photo by Thomas Jensen)





CIVIL AIR PATROL WACO
2ND AIR FORCE COURIER SERVICE FLIGHT
ENCOUNTER WITH P-40 WARHAWKS
NEAR PETERSON ARMY AIRFIELD, COLORADO
APRIL 1943

Painting by Bob Carlin