



1990

CIVIL AIR PATROL
Annual Report to Congress



FOR YEAR ENDING 31 DECEMBER 1989



Civil Air Patrol cadets performed special duties in support of the Experimental Aircraft Association's annual airshow at Oshkosh, Wisconsin. The Soviet Union's AH-124 aircraft was one of the highlights of the event. The AH-124 is the world's second largest aircraft and is only surpassed in size by the Soviet Union's AH-225. Soviet Crew Chief Leonoid Tebrousky, right, visits with CAP cadets Heidi Spalt, left, and Graydon Mustageem in the AH-124 cockpit. (Photo by George Wendt)

The Civil Air Patrol National Cadet Competition held at Maxwell AFB, Alabama, in December 1988 resulted in top honors going to the CAP Northeast Region team. In April 1989, team members visited the Pentagon and were presented the Air Force Chief of Staff Sweepstakes Trophy by General Monroe W. Hatch Jr., Air Force Vice Chief of Staff. General Hatch also used the occasion to present the General Carl A. Spaatz Award to cadet competition team member Clement Stewart of the New York Wing Manhattan Group. From left, Cadet Harry Magazu, Cadet Stewart, General Hatch, Cadet Robert Belmont.



Cover Photo. An Alaska state environment official, with a Civil Air Patrol pilot, inspects the oil covered coastline of Prince William Sound. In the aftermath of the 24 March 1989 "Exxon Valdez" disaster that resulted in an eleven million-gallon oil spill, the CAP Alaska Wing responded immediately and assisted throughout the containment and cleanup operations. (Photo by Irene Collie)



**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 during calendar year 1989 submitted as required by Public Law 79-476. Civil Air Patrol was created on 1 December 1941 as an emergency measure to make civilian aviation resources available to the national defense effort. It functioned as a branch of the Office of Civilian Defense until April 1943 when the Army Air Forces was assigned jurisdiction for the remainder of the war years.

Following its wartime service, Civil Air Patrol was chartered by Congress on 1 July 1946 as a volunteer, nonprofit corporation under Public Law 79-476. Then, on 26 May 1948, Congress passed Public Law 80-557 granting Civil Air Patrol status as the civilian auxiliary of the Air Force.

In 1989, Civil Air Patrol continued its long record of public service with solid performance in each of its three missions. This report contains details of accomplishments in emergency services assistance to people in distress, further development in aerospace education for CAP members and the general public, and training and leadership development programs for its cadet and senior members.

We are thankful for the dedicated Civil Air Patrol volunteers and are proud of their outstanding achievements during 1989. We are also grateful for the continued support of the Congress and the United States Air Force. We are pleased to present this report of Civil Air Patrol activities during the past calendar year.

EUGENE E. HARWELL
Major General, CAP
National Commander

CLYDE O. WESTBROOK, JR.
Colonel, USAF
Executive Director

EMERGENCY SERVICES

The Civil Air Patrol strives to save lives and alleviate human suffering through its Emergency Services mission. CAP demands professionalism. Members who participate in actual missions are highly qualified through "hands on" experience and continuous training. The emergency services mission includes search and rescue in support of the Air Rescue Service in the Continental United States, the United States Coast Guard in Puerto Rico, and Joint Rescue Coordination Centers in both Hawaii and Alaska. Additionally, the emergency services mission includes civil defense and disaster relief operations in support of local, state, federal and other emergency services organizations. Mutual support relationships exist with the American National Red Cross, Salvation Army, Federal Emergency Management Agency (FEMA), Federal Aviation Administration (FAA), U.S. Coast Guard Auxiliary, and other humanitarian organizations in conducting disaster relief operations.

During 1989, Civil Air Patrol responded to several disaster relief requests. Services provided following Hurricane Hugo and the California earthquake were most notable. The CAP Puerto Rico Wing provided excellent support to disaster relief operations throughout the Islands in the aftermath of Hurricane Hugo. Flying 69 sorties and 195 hours, CAP provided support to the Red Cross, the Puerto Rican Government, and the Federal Emergency Management Agency (FEMA). The FEMA support also included services provided to five other government agencies. Direct support to the Coast Guard included five damage assessment missions to airfields where CAP aircraft were the only available means of support. The damage assessment also involved documentation of the looting problems on the U.S. Virgin Islands.



Search Test. Air Force Lt. Col. Walter Heck of the USAF-CAP Southeast Liaison Region (left) and CAP Mission Coordinator Lt. Col. Al Field of the Florida Wing were active participants in the wing's annual Search and Rescue Evaluation. The exercise involved 30 aircraft, five ground teams and 200 CAP members. The Air Force evaluators graded the wing's performance as excellent. (Photo by Jean Stockton)

CAP ground teams were equally busy, logging over 4,515 mandays deactivating emergency locator transmitters (ELT) and providing shelter assistance to the Red Cross, the Puerto Rico Army National Guard, Civil Defense and the Puerto Rico Social Services Department. Red Cross damage assessment of over 7,200 facilities in 15 towns was a noteworthy task performed by CAP using both CAP vehicles and Red Cross rented vans and automobiles. The hurricane destroyed all radio repeater stations on the island. However, CAP fixed stations were augmented by ten mobile radios and two cellular phones to keep the operation in touch with various controlling agencies.



Signing Ceremony. Representatives of Civil Air Patrol, Air Force, Drug Enforcement Agency and U.S. Forest Service sign a joint Memorandum of Understanding designed to help interdict the flow of drugs in the United States. From left: Air Force Col. John T. Massingale, Jr., Commander CAP-USAF; John Lawn, Administrator, Drug Enforcement Agency; Maj. Gen. E. E. Harwell, National Commander, Civil Air Patrol; and William L. Rice of the U.S. Forest Service. In accordance with the memorandum, Civil Air Patrol will fly reconnaissance missions to detect illicit drugs, primarily marijuana, within the United States, its territories and possessions.



Hurricane Relief. The CAP Tennessee Wing supported the relief effort for victims of Hurricane Hugo by transporting two plane loads of relief items to Red Cross personnel at the Berkely County Airport, South Carolina. Tennessee Wing members prepare to load one of the aircraft with needed supplies. From left: Maj. Gary Maples, Col. Dennis Sparks, Lt. Col. Adele Sparks and 1st Lt. Mike Wood.

The CAP Coastal Charleston Composite Squadron responded in force. The unit's pilots flew disaster survey missions for Berkley, Dorchester, and Charleston Counties carrying county officials aloft to view storm damage. CAP sorties provided a birds-eye view that would otherwise have been impossible to achieve. Those sorties allowed officials to evaluate emergency needs and direct disaster relief. CAP pilots also flew missions for the U.S. Department of Agriculture and the U.S. Forestry Service. Personnel manned the CAP desk at the Charleston County Emergency Operations Center, providing valuable mission support and coordination during the entire relief effort. Other squadron members were assigned to locate and turn off Emergency Locator Transmitters (ELTs) that were activated aboard aircraft and boats throughout the tri-county area, thereby eliminating false emergency signals that would have complicated an already catastrophic situation. Civil Air Patrol flew 27 missions logging over 60 hours supporting hurricane relief in South Carolina. Overall, the CAP again proved to be a vital link in identifying and coping with the problems of a natural disaster on the scale of Hurricane Hugo.

In 1989, Civil Air Patrol and the Salvation Army continued their agreement of mutual support. Civil Air Patrol assisted the American Red Cross' blood and tissue program and provided transportation for Red Cross use to collect and distribute blood and tissue. The CAP was credited with 20 saves in 1989 and flew 5 additional life enhancing mission; transporting blood, live bone, hearts, livers, kidneys, and corneas.

SEARCH AND RESCUE

The U.S. Air Force is assigned responsibility by the National Search and Rescue Plan for coordinating inland search and



First Aid. 2nd Lt. Nena Wiley (left) and her daughter Cadet Marta Wiley of Arizona's Goodyear Composite Squadron provide first aid and comfort to one of two victims at the scene of an automobile accident. By chance, Lt. Wiley and her daughter and 1st Lt. Joe Rodriguez were the first persons on the scene of the serious two car accident. The three members of the Goodyear CAP unit provided lifesaving first aid to the victims. (Photo courtesy of Jim Painter, West Valley View)

rescue operations in the Continental United States. As the civilian volunteer auxiliary of the Air Force, Civil Air Patrol has become the primary resource used by the Air Rescue Service to augment state search and rescue capability.

During 1989, Civil Air Patrol flew 21,114 hours on 2,681 Air Force-assigned missions and was credited with locating 1,909 search objectives and saving 65 lives. CAP flew over 80 percent of the search hours on missions coordinated by the Air Force Rescue Coordination Center (AFRCC). CAP wings in coastal areas frequently assisted the U.S. Coast Guard in locating emergency position indicating radio beacons on boats and ships.

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

In 1989, the CAP Rocky Mountain Region and North Central Region participated with the Air Force Rescue Coordination Center (AFRCC) in search and rescue (SAR) awareness symposiums. The events 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 capability.

MISSION SUMMARIES

The following extracts from official Air Force reports are representative summaries of Air Force-assigned missions for which Civil Air Patrol was credited with the saving of lives:

MISSING PERSON

Michigan. At the request of the Alcona County, Michigan Sheriff, Michigan CAP assisted in the search for a missing 85 year-old woman. Michigan CAP located and recovered the woman by ground team and she was delivered by ambulance to a local hospital.



California Assist. Maj. Dale Rumbaugh stands proudly with the Cessna 310 aircraft which he and fellow California CAP pilots Lt. Col. Gunter Hagen and Lt. Col. Willard Gordon flew to Alaska to assist in oil spill containment. The CAP Alaska Wing requested the twin-engine aircraft from the CAP California Wing to provide over-water flying support. (Photo by Robert Fowler)



Mission Support. CAP cadets Janet Frank and Mike Cook operated radios at the State Emergency Operations Center during an Oklahoma Wing search and rescue exercise. The cadets were responsible for maintaining communications between the center and statewide search forces during the three-day exercise.

UNSAFE AIRCRAFT

Alaska. After landing their Taylorcraft plane in Drift River Valley, two men noticed a cracked weld on the landing gear. Rather than risk a take-off, they elected to walk out of the bush. Alaska CAP was asked to assist in the search for the overdue Taylorcraft. The pilot of a civilian aircraft sighted the men walking in the snow and signaling for help. A civilian helicopter recovered the men to the Drift River airstrip and an Alaska CAP aircraft delivered them to Kenai. One of the men was taken to the hospital suffering from hypothermia and frostbite.

LOST HIKERS

Wisconsin. The Marinette County, Wisconsin Sheriff requested CAP assistance in searching for three missing hikers. Wisconsin CAP located the survivors in good condition and delivered them to their homes.



Cleanup Support. CAP Polaris Squadron Cadets Josh Velleux (left) and Stan Long provide communications support in the Alaska Wing Headquarters during CAP efforts to assist in the containment and cleanup of the oil spill in Prince William Sound.

OVERDUE AIRCRAFT

Alaska. An aircraft that was not on a flight plan was reported overdue by the pilot's employer on Tuesday after the pilot failed to report for work on Monday. Aircraft destination was thought to be a mining claim northwest of Anchorage. Alaska CAP located the aircraft on an inaccessible strip and an Air Force 71st Aerospace Rescue and Recovery Squadron HH-3 helicopter recovered the pilot.

ARSENIC POISONING

Michigan. At the request of the Blodgett Regional Poison Control Center in Grand Rapids, Michigan, the Michigan CAP transported a urine sample from a 14 month old girl in Tawas City, Michigan to the Poison Control Center. The sample was needed to determine treatment for the child who had ingested arsenic.

MEDEVAC MISSION

Alaska. The Alaska State Troopers requested CAP assistance in the medical evacuation of a mother and newborn infant. Alaska CAP dispatched a light aircraft which safely transported them from the village of Noorvic to a hospital in Kotzebue.



Satellite Display. Lt. Col. Ruth West of the CAP Pennsylvania Wing represented Civil Air Patrol at a display of the joint Canadian/French/Soviet, American Search and Rescue Satellite Aided Tracking System (COSPAS-SARSAT), during the second annual Satellites and Education Conference held at West Chester University in West Chester, Pennsylvania.

TREETOP RESCUE

Colorado. At the request of the Route County Sheriff, Colorado CAP assisted in the search for a Piper PA-28 with two people on board enroute from Salinas, Kansas to Steamboat Springs, Colorado. Colorado CAP located the downed aircraft in the vicinity of Buffalo Pass, Colorado. A commercial aircraft company, Helicopter Round-up of Maybell, Colorado, used a helicopter and rope ladder to recover the two survivors from the aircraft which was suspended in the tree tops. The survivors were lowered to the ground where they were transported by snow cat to a waiting ambulance which delivered them to a local hospital.



Search Coordination. CAP Capt David Howe (left) and New York Department of Conservation (DEC) Ranger Frank Dorchak view area map during search for an aircraft that went down in the Adiron-dack Mountains during a snowstorm. The aircraft wreckage and deceased pilot were located by a ground team made up of CAP cadet and senior members and a DEC ranger five days after the aircraft was reported missing.

DISABLED AIRCRAFT

Alaska. The Alaskan Air Command Rescue Coordination Center opened a SAR mission in response to SARSAT detection of ELT signals 45 miles Northwest of Anchorage. Alaska CAP flew to the location and discovered a PA-18 which had blown an oil seal while attempting to take off from a small frozen lake. A civilian helicopter transported the two survivors to a nearby strip where a CAP aircraft landed and took them back to Anchorage.

MERCY MISSION

Nevada. The United Blood Services requested the immediate transportation of blood to aid in the treatment of a 63 year old man undergoing emergency surgery. Nevada CAP dispatched an aircraft and delivered the blood from North Las Vegas Airport, Nevada to Parker Airport, Arizona.



California Award. Lt. Col. Earnest C. Pearson of the California Wing was presented the Civil Air Patrol Safety Officer of the Year Award by CAP National Commander Maj. Gen. E. E. Harwell, right, and CAP National Vice Commander Brig Gen Warren J. Barry during the CAP National Board Meeting in San Antonio, Texas. (Photo by George Wendt)

TWO SAVED

Alaska. An air service company reported that a C-207 aircraft was overdue on a flight from Fairbanks to villages 200 miles west of Fairbanks. An hour later the SARSAT received ELT signals along the overdue aircraft's route of flight. Alaska CAP located the crashed aircraft in mountainous terrain and a helicopter owned by the air service recovered the two injured survivors.

GROUND SEARCH

Colorado. At the request of the Gunnison County, Colorado Sheriff, Colorado CAP deployed a ground team to locate the site of a crashed light aircraft and two survivors. A commercial helicopter was used to recover the slightly injured pilot and a passenger suffering severe lacerations and spinal fracture. One save was credited to Colorado CAP.

OVERDUE BOAT

California. California CAP was requested to investigate an ELT signal being heard in the Upland, California area. Airborne and hand held direction finding equipment was used to locate a crashed Piper Cherokee six miles north of Upland. Two of the three persons involved were deceased. One save was jointly credited to California CAP and the San Bernardino County Sheriff.

CRASHED AIRCRAFT

Alaska. The Alaskan Air Command Rescue Coordination Center was notified by SARSAT of ELT signals. Alaska CAP was alerted and located a downed aircraft at the coordinates of the SARSAT ELT. North Slope Borough Search and Rescue recovered two survivors by helicopter from the crash site and transported them to Point Barrow.

LOST CHILD

Idaho. The Jefferson County, Idaho Sheriff requested Idaho CAP to assist in the search for a missing three year-old boy. Idaho CAP launched two search aircraft and located the child. The Jefferson County Sheriff made the recovery.



Texas Exercise. U.S. Representative Tom DeLay, (R-Texas) (center) talks with Civil Air Patrol flightline personnel during a search and rescue exercise for CAP units in Southeast Texas. The Congressman, who is a former CAP cadet, visited the Brazoria County Airport in Brazoria, Texas specifically to observe the CAP exercise.



Radiological Testing. Charles Smotherman of Oklahoma Civil Defense (center) teaches CAP members Eric Davis (left) and Jeffrey Langley, how to test the areas of an aircraft that would collect high quantities of radiation during a radiological monitoring mission flight. The demonstration was part of an Oklahoma Wing search and rescue exercise at Bartlesville, Oklahoma.

MUSHROOM HUNTERS

California. At the request of the Humboldt County Sheriff, California CAP assisted in the search for two missing mushroom hunters. California CAP located the 34 year old woman and her four year old son in the vicinity of the Hoopa Valley Indian Reservation. The Humboldt County Sheriff recovered the two survivors in good condition and delivered them to their home.

GLIDER OVERDUE

Nevada. A pilot on a solo glider flight was reported overdue in the Reno, Nevada area. Nevada CAP located the downed glider 17 miles northwest of Reno. A Commercial Care Flight helicopter recovered the survivor and made delivery to the Washoe Medical Center in Reno.

PIPER CRASHED

Pennsylvania. A Piper Cherokee with two persons on board was reported missing while enroute from Caldwell, New Jersey to Johnstown, Pennsylvania. At the request of the Pennsylvania Bureau of Aviation, Pennsylvania CAP assisted in locating the crashed aircraft in the vicinity of the Johnstown Airport. The two seriously injured survivors were taken by ambulance to the Johnstown Memorial Hospital.

ONE SAVED

Florida. A light aircraft with two persons on board was reported missing while enroute from Miami to Fort Myers, Florida. Florida CAP and the Lee County Department of Public Safety located the crashed aircraft in the vicinity of the Southwest regional Airport. A helicopter was used to recover a survivor and one deceased person to the Fort Myers Community Medical Center.

POISON VICTIM

Michigan. The Blodgett Regional Poison Control Center in Grand Rapids, Michigan requested the immediate transport of a blood sample to aid in the treatment of a four-year-old boy who had ingested a methanol solution. Michigan CAP delivered a sample of the child's blood from Hancock, Michigan to the Blodgett Center in Grand Rapids, for analysis to determine proper treatment.

CIVIL AIR PATROL CUSTOMS MISSION

On 14 Nov 85, Civil Air Patrol (CAP), the United States Air Force, and U.S. Customs Service entered into an agreement whereby CAP would assist the U.S. Customs Service by performing air surveillance/patrol flights along the boundaries of the United States in support of the government's drug interdiction effort. Civil Air Patrol aircraft operating costs were paid by the Air Force with the user, U.S. 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. It is now expanded to include the coastal boundaries of the Continental United States. Approximately 3,000 CAP members were trained in the Customs drug mission, and CAP now flies about half of the Customs Service surveillance/patrol flying hours. By the end of December, CAP had flown 8,221 hours on 2,204 missions.



Customs Support. Civil Air Patrol National Commander Maj. Gen. E. E. Harwell accepts, on behalf of all CAP members, a plaque certifying the appreciation of the U.S. Customs Service for Civil Air Patrol's outstanding support of the Customs Service Mission. The award was presented by U.S. Customs Service Deputy Director Air Operations Center West, Bill Cecil, during the annual CAP National Board Meeting in San Antonio, Texas. (Photo by George Wendt)

DRUG ENFORCEMENT ADMINISTRATION/U.S. FOREST SERVICE

On 19 April 1989, Civil Air Patrol, the U.S. Air Force, the Drug Enforcement Administration (DEA), and the U.S. Forest Service (USFS) entered into an agreement whereby CAP provides aircraft and aircrews to assist DEA and USFS in aerial reconnaissance for detection of illicit drugs, primarily marijuana, within the United States, its territories and possessions. CAP aircraft operating costs are paid by the DEA/USFS. CAP members are prohibited from participating in arrest or detention procedures or search and seizure of evidence.

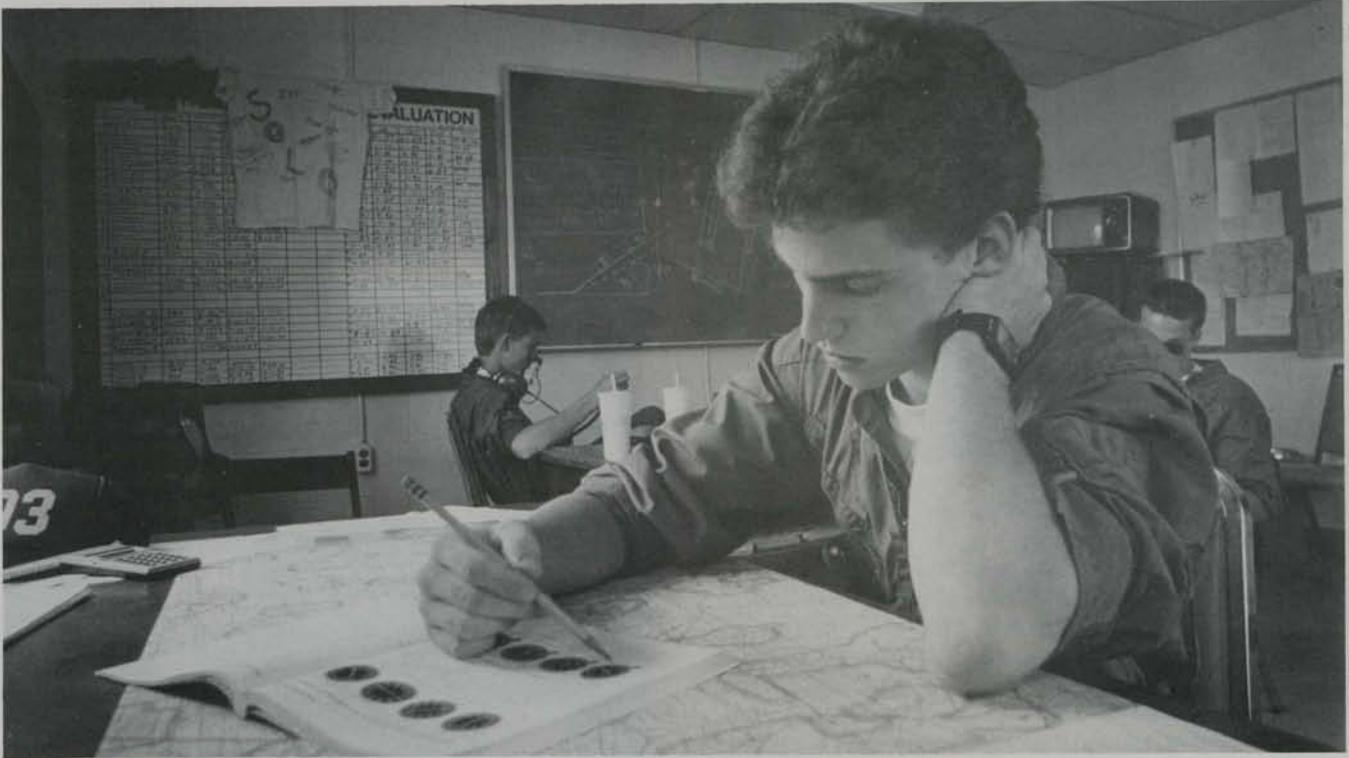
Initial training of approximately 1,200 CAP members was accomplished this year and 148 hours were flown. A significant increase of requests for flights from DEA is anticipated during the 1990 growing season.



Safety Award. The Paul W. Turner Safety Award was presented to the Alabama Wing Commander Col. Glen D. Atwell by CAP National Commander Maj. Gen. E. E. Harwell during the CAP National Board Meeting in San Antonio, Texas. (Photo by George Wendt)

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, emergency procedures, flight planning, and aviation weather. Participants also demonstrate safe aircraft piloting skills to an FAA-certified flight instructor or a qualified CAP check pilot. During 1989, a total of 1,699 CAP pilots participated in CAP flight clinics held throughout the country.



Flight Training. Cadet Chris Leigeber of the CAP Ohio Wing completes a navigation assignment during the Ohio Wing Solo Flight Encampment at Shoemaker Airport. Leigeber, who later made his first solo flight in a Cessna 152, hopes to attend the Air Force Academy. (Photo courtesy of Tim Johnson, Chillicothe Gazette)

CIVIL PREPAREDNESS AND DOD SUPPORT

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

- Search and Rescue (SAR) for downed aircrews
- Damage assessment, visual and photographic
- Airborne radiological monitoring
- Communications: HF, VHF, and VHF-FM
- Courier flights for personnel, small parts, and documents
- Continental U.S. Airborne Reconnaissance for Damage Assessment (CARDA)
- Natural disaster response and support
- Medical evacuation/transportation
- Radar and/or communications systems evaluation
- Coastal area surveillance
- IR/VR low level training route surveys
- State and Regional Disaster Airlift (SARDA) plans

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 1989, 55 training route survey missions were flown by CAP.



Orientation Flight. Cadets of California's Oroville Composite Squadron are interested spectators as CAP pilot Ellis Udwin performs preflight inspection prior to cadet orientation flights. (Photo by Spud Hilton)

COMMUNICATIONS

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

During 1989, CAP continued to provide vital communications support to local, state, and federal agencies during disaster relief, search and rescue, and many other emergency situations. CAP communicators used state-of-the-art high frequency (HF) and very high frequency (VHF) radios and repeaters in supporting Air Force Rescue Coordination Center (AFRCC) search missions as well as interfacing with state emergency management centers (EDCs), the National Communications System (NCS), and other organizations and agencies. To enhance continued reliability and improve its capability, CAP communications nets were activated daily through CAP's National Command Net. CAP regions activated nets to their respective wings, wings to groups and squadrons, and finally a VHF-FM broadcast to the most remote units to ensure positive communications coverage. In addition to the National Command Net, special networks are organized for specific purposes using the varied frequency authorizations on both HF and VHF, thus enabling CAP to operate many nets simultaneously without communications interference. This intensive communications coverage by the CAP Communications System demonstrated its interface capability with other agencies to provide effected and cohesive nationwide communications support.

A primary CAP goal is to strengthen its communications capability by improving operational networks so commanders can more effectively communicate with higher level and subordinate commanders. To enhance this goal, the communications system upgrade continued with the purchase of additional modern technology equipment. In 1989, 72 communications racks, 75 power supplies, and 66 antennae were purchased as ancillary equipment for the 84 VHF/FM repeaters purchased



Exchange Speech. Cadet Terry Hamrick of Mississippi Wing's Key Composite Squadron spoke to members of the Meridian, Mississippi Exchange Club about CAP's cadet and senior programs and provided handouts in his effort to recruit new members. (Photo by Tom Gillies)



Communicator Award. The Civil Air Patrol Communicator of the Year Award was presented to Lt. Col. Billie L. LeClair of the California Wing by CAP National Commander Maj. Gen. E. E. Harwell (left) and CAP National Vice Commander Brig. Gen. Warren J. Barry during the CAP National Board Meeting in San Antonio, Texas. (Photo by George Wendt)

last year. A purchase order for 1,000 VHF/FM transceivers, to be supplied over the next 10 months was also released in 1989. This equipment, maintained and operated by CAP communicators, dramatically improves the responsiveness of Civil Air Patrol to current and future mission situations; especially in the event of a national emergency.

In the past year, CAP planned and initiated a "No-Notice" Wing Operational Effectiveness Exercise designed to evaluate all emergency services resources in a "real world" scenario, with emphasis on tactical communications support and mobility. In addition, subsequent to the recent national interagency Shared Resources (SHARES) High Frequency (HF) Radio Program Exercise 89-2, the National Communications System, Washington, D.C., commended the CAP communicators for their professionalism and dedication in providing outstanding communications support to the exercise. CAP communicators gained valuable experience in this exercise. SHARES is an NCS initiative to establish a national high frequency radio capability as a backup system for exchange of critical information among Federal entities in support of National Security and Emergency Preparedness. Once again, CAP demonstrated an extensive capability to support such initiatives.

CAP communicators look ahead to 1990 with great enthusiasm. Our goal is to continue to improve productivity and efficiency within our communications system. The Civil Air Patrol is proud of their communicators whose commitment to their assigned mission has greatly contributed to making CAP the best trained, proficient, and active body of volunteer communicators in the nation.

THE CADET PROGRAM

When the Congress of the United States acted in 1946 to incorporate Civil Air Patrol, one of its declared objectives was to "provide aviation education and training, especially to its senior and cadet members." The Civil Air Patrol cadet program is designed to develop the potential of young people through physical fitness; leadership training; and moral, military, and aerospace education.

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

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



Leaders Meet. President of the Air Cadet League of Canada, Harold M. Fowler presented Civil Air Patrol National Commander Maj. Gen. E. E. Harwell with a gift and greeting from CAP's Canadian counterpart. Mr. Fowler was a special guest at this year's CAP National Board Meeting in San Antonio, Texas. (Photo by George Wendt)



Sweepstakes Winner. The New Jersey Wing team representing the CAP Northeast Region won top honors and the Air Force Chief of Staff Sweepstakes Trophy in the CAP National Cadet Competition held at Maxwell AFB, Alabama, on December 28-29 1989. The 16-member teams representing each of the eight CAP regions, competed in precision drill, physical fitness, and aerospace knowledge. The New Jersey team placed first in standard drill, innovative drill, panel quiz, and written exam. Above, the New Jersey team, along with team support personnel, pose with CAP National Commander Maj. Gen. E. E. Harwell (center left), and Air Force Col. James S. Willoughby, HQ CAP-USAF DCS/Training. (Photo by George Wendt)

DOD installations using Air Force, Army, or Navy personnel to teach and train these young people a particular skill or concept.

In the local squadron, cadets progress at their own pace through the structured program of 15 consecutive achievements, increasing in grade and experience as they accomplish each planned achievement level. During the program, cadets become eligible to participate in orientation flights, encampments, and a variety of national and international activities. Incentives and benefits include receipt of ribbons and awards, increased grade and responsibility, eligibility to compete for academic and flight scholarships, and upon the receipt of the Mitchell Award (completion of the first seven achievements), an advanced entry grade of E-3 when enlisting in the U.S. Air Force. This year 1,663 cadets earned the Mitchell Award through the Civil Air Patrol cadet program. The Earhart Award (Achievements 8-11) was awarded to 559 cadets for a program total of 5,292 Earhart awards. Completion of the Earhart is a requirement to attend the International Air Cadet Exchange program. The toughest and most demanding award to achieve is the Spaatz Award. This year 48 cadets earned this coveted award for a program total of 971.



Keyboard Practice. The annual Computer Orientation Program was conducted at Maxwell AFB, Alabama, on 18-25 June for 17 select cadets from 16 CAP wings. Cadet Robert C. J. Parry of the California Wing reviews command keys available for the Zenith 248 personal computer. The Z-248 was used by the Technology Management School at Maxwell to familiarize cadets during the orientation program. (Photo by George Wendt)



Honor Roll. With assistance from Air Force Academy Commandant of Cadet Brig. Gen. Sam W. Westbrook, III (right) 2nd Lt. Kenneth Plaks affixes his name plate to the Civil Air Patrol Honor Roll in Arnold Hall at the U.S. Air Force Academy. Lieutenant Plaks graduated from the academy on 31 May with the highest order of merit ranking of all former Civil Air Patrol cadets in the Class of 1989. Moreover, he was the top academic graduate with a grade point average of 4.084. He earned degrees in two majors, math and physics, and was top in both. In addition, he was the recipient of the John and Fannie Hertz Fellowship, which will fund his studies for the next 18 months at the Massachusetts Institute of Technology, where he will pursue a master's degree in physics. Lieutenant Plaks' ultimate goal is to qualify as a mission specialist in the NASA space program. (Photo by Bill Madsen)

CADET ENCAMPMENTS

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

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

This year, 7,725 CAP cadets and 1,149 CAP senior members attended encampments at 34 Air Force installations and at 27 other Department of Defense facilities. An additional 21 encampments were conducted at non-DOD facilities.

CADET SPECIAL ACTIVITIES

Cadets earn the right to participate in several nationally conducted special activities as they progress through the structured program. During 1989, a total of 744 cadets participated in these national special activities. The most competitive and prestigious activity was the International Air Cadet Exchange. The Cadet Officer School (COS) conducted at Gunter Air Force Base, Alabama, and taught by the Air University faculty was attended by 123 cadets from 31 CAP wings and Puerto Rico. In addition, 10 cadets from the British Girls Venture Corps participated in this year's COS. The 10-day program featured the development and application of basic leadership and management skills.

The Air Training Command Familiarization Course hosted by the Air Training Command (ATC) at one undergraduate navigator and two undergraduate pilot training bases was attended by 89 cadets. The programs at Mather AFB, California; Columbus AFB, Mississippi; and Laughlin AFB, Texas, not only acquainted cadets with specific activities of ATC, but also stimulated cadet interest in the Air Force career opportunities. The Pararescue Orientation Courses, basic and advanced, were conducted by the USAF Pararescue School to instruct the 130 cadet participants in the various techniques of rescue operations. This exceptionally popular 1-week basic program is conducted at three sites: Kirtland AFB, New Mexico; Fort

Knox, Kentucky; and George Washington National Forest, Virginia.

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

The Blue Beret Encampment was conducted for many years as a regional activity, but due to its immense popularity it became a national cadet special activity in 1985. The 2-week program provided instruction in survival, drill and ceremonies, flight-line operations, and aircraft traffic direction and control. The event was conducted at Wittman Field, Oshkosh, Wisconsin, during the annual airshow hosted by the Experimental Aircraft Association. This year, 141 cadets and 36 senior members attended the Blue Beret activity.

The Air Force Computer Orientation Program (AFCOP) was conducted at Maxwell AFB, Alabama, with 17 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. Personnel from the Air Training Command's Technical Training Center, Gunter AFB, Alabama provided instruction and course design.



Competition Awards. The Civil Air Patrol National Cadet Competition was held at Maxwell AFB, Alabama, on December 28-29 with a 16-member team representing each of the eight CAP regions. The teams competed in precision drill, aerospace knowledge, and physical fitness. The New Jersey Wing team representing the CAP Northeast region won top honors and the Air Force Chief of Staff Sweepstakes Trophy. Prior to the awards ceremony at the closing banquet, eager cadets check out the awards earned by the top performers in the various events. (Photo by George Wendt)



Annual Report. U.S. Representative Rod Chandler of Washington was presented his personal copy of the Civil Air Patrol 1989 Annual Report to Congress by Cadets Theresa M. Koster and William G. Boan of the CAP National Capital Wing. As a federally chartered corporation, Civil Air Patrol is required by Public Law to report on its activities. (Photo by Don Lemieux)

INTERNATIONAL AIR CADET EXCHANGE (IACE)

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

During 1989, 116 cadets and 19 senior escorts were exchanged with cadets from 13 other IACE Association member nations plus four Asian countries. Exchanges with Japan, Singapore, Philippines, and Hong Kong are arranged and conducted bilaterally by Civil Air Patrol under similar rules and format and in conjunction with the regular IACE program. During the 19-day exchange, sponsoring organizations in each country provide visiting cadets with a variety of activities such as tours of Air Force installations; visits to aerospace industries, airports and air traffic control facilities; orientation flights in gliders and powered aircraft; and sightseeing trips. Visiting cadets stay in the homes of host families to enhance understanding and cultural exchange.



Georgia Display. Georgia Wing Cadets Rad Dawson and Kahled Sediqi provide information on Civil Air Patrol during the annual Good Neighbor Day at the Dekalb Peachtree Airport in Atlanta. During the airshow, more than 3,000 people visited the CAP static display and information booth.



Solo Wings. Cadet Sean Greig of Pennsylvania's York Composite Squadron 301 receives his solo pilot wings from his mother 2nd Lt. Beverly Greig. Overseeing the ceremony is the squadron commander 2nd Lt. Bill All. At age 14, Cadet Greig is the youngest member his unit ever had to complete solo pilot training. (Photo by Thomas Greig)

FLIGHT TRAINING

Civil Air Patrol allocated a total of \$34,057 in 1989 budget to provide locally conducted solo flight training and orientation flights for cadets. Four thousand two hundred dollars was provided for 28 solo flight scholarships to cadets in the 52 CAP wings and overseas units and \$29,857 was allocated to partially fund the orientation flight program conducted at the wing and unit level. Scholarships covered expenses of ground school and flight training leading to solo qualification.

CAP cadets may qualify for a series of six 30-minute orientation flights. During 1989, the 52 wings and overseas units provided 1,632 cadets their first flight experience, 6,340 cadets were provided flights number two and three in the ongoing 6-flight series.

SCHOLARSHIP PROGRAM

In 1989, the Civil Air Patrol, through its National Scholarship Program, provided a total of \$43,500 to 58 of its members to supplement their college or vocational-technical school education. This included the Casaday-Elmore Ministerial Scholarship of \$750. Scholarships were given for study in engineering, education, humanities, theology, and science. Recipients ranged from young persons interested in learning to be aircraft mechanics to those pursuing advanced degrees in aeronautical or aerospace engineering. Embry-Riddle provided an additional four \$1,000 scholarships to cadets attending their institution full time. In addition to the national scholarship program, many scholarships are provided by local and state level CAP units and outside organizations.

AEROSPACE EDUCATION

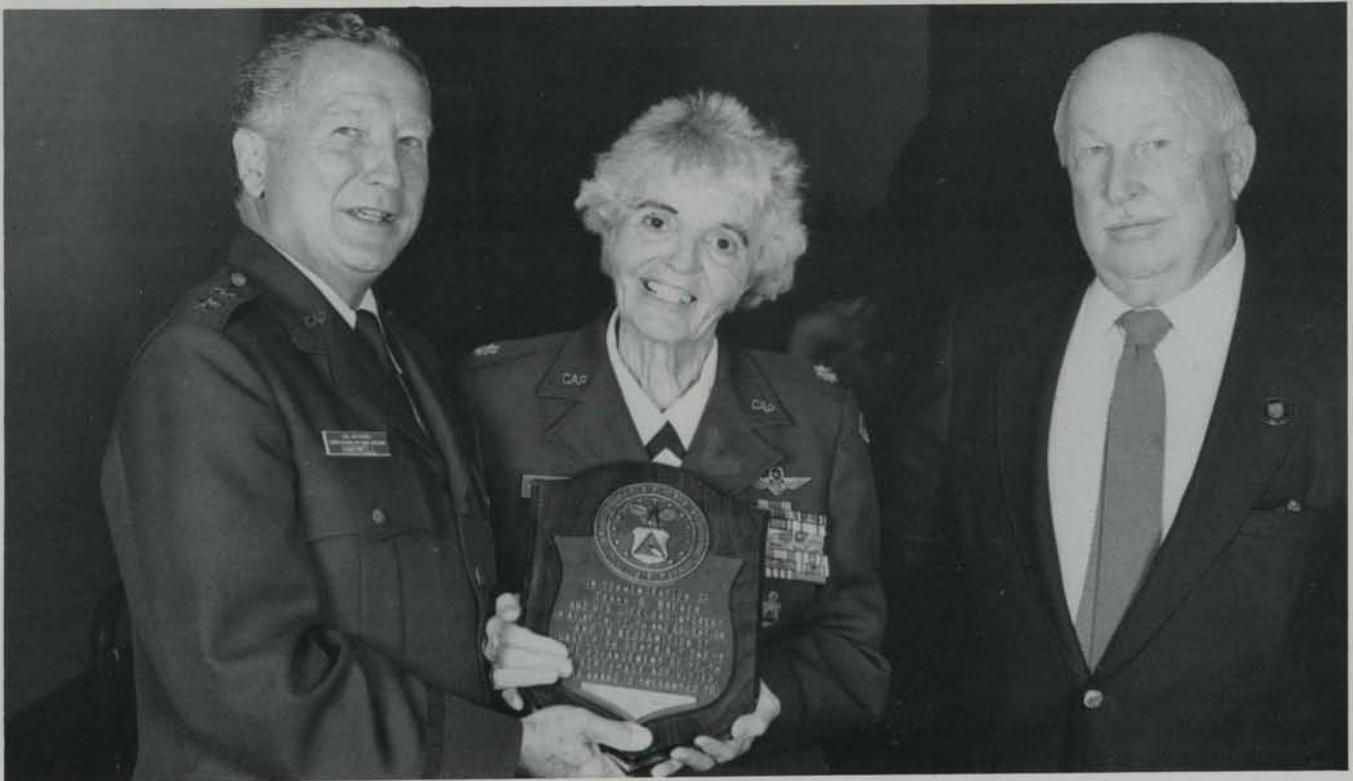
The time of education and the educator has truly come of age as both play key roles motivating students across the nation. Challenging tomorrow's innovators to seek knowledge and experience to make contributions to mankind were parallel goals of Civil Air Patrol aerospace education during 1989. As new concepts and programs were implemented, the objectives of continuing to educate our membership and the American public were accomplished.

NATIONAL CONGRESS ON AVIATION AND SPACE EDUCATION

One thousand educators, business and industry leaders, and Civil Air Patrol members attended the 22nd annual National Congress on Aviation and Space Education (NCASE) in St. Louis, Missouri on March 30 - April 1. The event is co-sponsored by the National Aeronautics and Space Administration (NASA), the Federal Aviation Administration (FAA), and Civil Air Patrol (CAP). It promotes an understanding of aviation and space education throughout the nation by encouraging teachers to incorporate aerospace education into their curricula and leaders to speak out on the aerospace issues facing our nation today.



Senator Recognized. *United States Senator J. James Exxon of Nebraska was presented an altimeter clock plaque by Nebraska Wing Commander Col. Richard L. Anderson. The award recognized Senator Exxon's long-standing support of Civil Air Patrol, which began in the early 1970's. (Photo by Clyde Webb)*



Anniversary Award. *Lt. Col. Betty W. McNabb of the CAP Southeast Region was presented the Frank G. Brewer Memorial Aerospace Anniversary Award by CAP National Commander Maj. Gen. E. E. Harwell (left) and Lt. Col. Frank G. Brewer, Jr. The Anniversary Award is presented every five years in special recognition of an individual who has sustained superior performance over a number of years in aerospace related activities. (Photo by George Wendt)*

The three-day Congress opened with Presentation of Colors by a color guard from St. Charles Composite Squadron, St. Charles, Missouri. Introductions were made by the Master of Ceremonies, Dr. Edgar B. Wycoff, Director, Organization Communication Program, University of Central Florida.

Congress attendees were addressed by Mr. A. Scott Crossfield, test pilot and technical consultant for the House Committee on Science and Technology; Dr. Linda M. Godwin, astronaut-select as a mission specialist; Mr. Edward W. Stimpson, President, General Aviation Manufacturers Association; and Dr. James "Doc" Blakely, aviator, author, and humorist.

More than 30 group meetings and seminars were conducted for all grade levels. Special interest groups also met. These included Civil Air Patrol aerospace education officers, Air Force Reserve Officer Training Corps instructors, World Aerospace Education Organization representatives, and the University Aviation Association's aviation education committee. These meetings, and the interface while reviewing over 30 exhibits, provided a time for attendees to share educational experiences, techniques, and methods and to plan for the future.

Other highlights of the Congress included field trips to the McDonnell-Douglas Aircraft Company, St. Louis Science Center, Scott Air Force Base, and Parks College. Participants also viewed an antique aviation fly-in and were permitted to closely examine more than 20 vintage aircraft and to interact with the owners/pilots.



Teacher Honored. A. Scott Crossfield (left) presented the A. Scott Crossfield Aerospace Education Teacher of the Year Award to Dr. Ben P. Millspaugh who taught aeronautics and general physical science in Littleton, Colorado. The presentation was made during the 1989 National Congress on Aviation and Space Education co-sponsored by NASA, FAA and CAP and held in St. Louis, Missouri on 30 Mar - 1 Apr 1989. (Photo by George Wendt)



Congress Display. The 22nd annual National Congress on Aviation and Space Education was held in St. Louis, Missouri, 30 Mar - 1 Apr. The three-day event was attended by 1,000 educators, business and industry leaders, and CAP members. Cadets John Baker, Christina Mueller, Brian Johnson and Kim Baker of the St. Louis Composite Squadron explore the variety of avionics equipment in one of the many displays available to congress attendees. (Photo by George Wendt)

The Congress offers the opportunity to properly honor outstanding achievements in aerospace education. Congress officials announced the newest A. Scott Crossfield Aerospace Education Teacher of the Year, Dr. Ben P. Millspaugh, an aeronautics and general physical science teacher from Littleton, Colorado. Dr. Millspaugh is the fourth educator to receive the prestigious award which annually recognizes the best aerospace education teacher in our nation.

The Crown Circle Award is presented annually to a very select few for the accomplishments in aerospace education. Joining Dr. Millspaugh in receiving this coveted award for leadership in aerospace education were Mr. William D. Nixon, Head of NASA's Educational Technology Office, and Maj. Gen. Eugene E. Harwell, National Commander, Civil Air Patrol.



Brewer Award. Capt. M. Iris Harris of the Alabama Wing was presented the Frank G. Brewer Memorial Aerospace Award in the Senior Category by CAP National Commander Maj. Gen. E. E. Harwell and Lt. Col. Frank G. Brewer, Jr. during the CAP National Board Meeting in San Antonio. (Photo by George Wendt)

AEROSPACE EDUCATION WORKSHOPS

In cooperation with colleges, universities, and individual school systems, Civil Air Patrol supported 205 graduate-level aerospace education workshops in 39 states with over 5,000 educators attending. Supporting teacher training through workshops continues to be one of Civil Air Patrol's most important contributions to aerospace education.

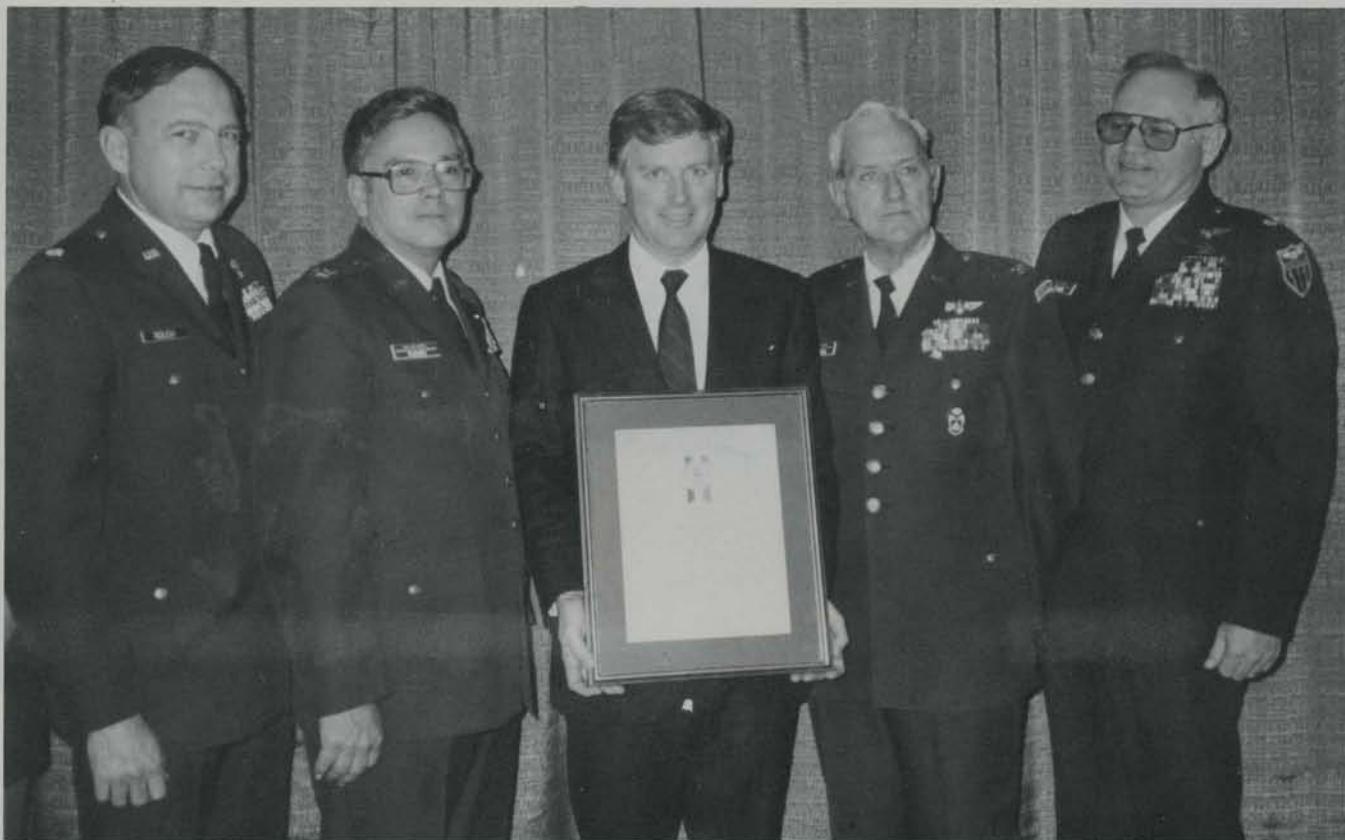
Air Force reserve personnel on active duty tours provided liaison and instructional support to workshop directors. In some cases, the Air Force provided airlift for workshop participants to visit an aerospace facility as part of the curriculum. Following its established policy, Civil Air Patrol provided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

AEROSPACE EDUCATION MATERIALS

In order to meet the evolving training needs of the Civil Air Patrol aerospace education program, existing course materials were revised and new materials were published. *Aerospace: The Challenge*, 3rd edition, a basic textbook for CAP senior Members and the nation's educational community, was published to meet the ongoing demands it has serviced since 1979. Since the textbook has such far-reaching effects, updates for the examinations used in the Aerospace Education Program for Senior Members (AEPSM) and an accompanying instructor guide were also accomplished. In accordance with the significant accomplishments of Eddie Rickenbacker, Robert Goddard, and Billy Mitchell, revised single-concept learning packets were published for use in the educational arena nationwide. The Wright Brothers activity book was also revised for use on the elementary level.



Hawaii Cadet. Cadet Nicole Amano of the Hawaii Wing Maui Squadron was presented the trophy for the Outstanding Female Cadet by Maj. Roger Caires during Hawaii Wing's 1989 Glider Encampment. The encampment was conducted at Dillingham Airfield, Mokuleia, Hawaii with cadets from Oahu, Mui and Molokai attending.



New Member. Vice President Dan Quayle was presented his certificate of membership in the Civil Air Patrol Congressional Squadron during ceremonies in Indianapolis, Indiana on March 10, 1989. He became the first vice president of the United States to accept membership in Civil Air Patrol. Participating in the ceremony were (from left) Air Force Lt. Col. John Roush, Indiana Wing Liaison Officer; Col. Peter C. Crasher, Indiana Wing Commander; Col Jack Hornbeck, Great Lakes Region Commander; and Lt. Col. Paul M. Bergman, Indiana Wing Vice Commander.

Inspection Phase. Air Force MSgt Gary S. Benefield assisted in the inspection phase of the CAP National Cadet Competition held at Maxwell AFB, Alabama in late December. The 16-member teams representing each of the eight CAP regions, competed in precision drill, physical fitness, and aerospace knowledge. The new Jersey Wing team representing the CAP Northeast Region won top honors and the Air Force Chief of Staff Sweepstakes Trophy in the competition. (Photo by George Wendt)





Susan Broderick, a teacher in Head Elementary School in Montgomery, Alabama, has adapted aerospace knowledge to her classroom teaching techniques. Mrs. Broderick, a CAP Aerospace Education Association member, was selected as the 1989 national winner of the Federal Aviation Administration Championship Award for Excellence in Aviation Education. The award was presented during the National Congress on Aviation and Space Education in St. Louis, Missouri. The annual congress is co-sponsored by the National Aeronautics and Space Administration, Federal Aviation Administration and Civil Air Patrol. (Photo by George Wendt)

The fourth annual Air Force Computer Orientation Program for Civil Air Patrol Cadets was conducted at Maxwell AFB, Alabama, on June 19-23 with 17 cadets attending. The curriculum included basic programming language, history and design of computers, an orientation on computer uses within Civil Air Patrol and the USAF, and an emphasis on hands-on-experience with a variety of computers. (Photo by George Wendt)



The sixteen member team of CAP cadets representing the CAP Northeast Region won top honors in the Civil Air Patrol National Cadet Competition conducted at Maxwell AFB, Alabama, in December 1988. In April 1989, several team members visited the Pentagon and were presented the Air Force Chief of Staff Sweepstakes Trophy by General Monroe W. Hatch Jr., Air Force Vice Chief of Staff. Chief Master Sergeant of the Air Force James C. Binnicker, a former Civil Air Patrol cadet, also participated in the Pentagon ceremony. CMSAF Binnicker attaches a CAP Unit Citation Award streamer to a guidon held by Cadet Nelson Delgado. From left: Cadets Nelson Delgado, Mercury Hlinka, Harry Magazu, CMSAF Binnicker, Cadets Robert Belmont and Clement Stewart.



The Frank G. Brewer-Civil Air Patrol Memorial Aerospace Awards are presented in honor of Frank G. Brewer, Sr., to commemorate his lifelong interest in aviation, youth and education. Upon his death, his son, CAP Lt Col Frank G. Brewer, Jr., established the Brewer Awards to recognize those individuals who have contributed most on an unselfish basis to the advancement of youth in aerospace activities. Lt Col Frank G. Brewer, Jr., third from left, poses with 1989 Brewer Award winners, from left, Organizational Category, The Alabama Department of Aeronautics, represented by Frank R. Parsons; Cadet Category, Cadet David A. Snell, Butte Composite Squadron, Montana Wing; and Senior Category, Capt M. Iris Harris of the Alabama Wing. (Photo by George Wendt)

CIVIL AIR PATROL NATIONAL BOARD MEMBERS

(As of 31 December 1989)



NATIONAL COMMANDER
Maj. Gen. Eugene E. Harwell
CAP



NATIONAL VICE COMMANDER
Brig. Gen. Warren J. Barry
CAP



NATIONAL CHIEF OF STAFF
Col. George R. Way
CAP



EXECUTIVE DIRECTOR
Col. Clyde O. Westbrook, Jr.
USAF



**COMMANDER
NORTHEAST REGION**
Col. Roy I. Arroll
(New York)



**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)



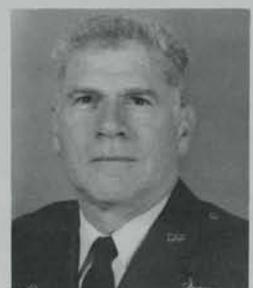
**COMMANDER
NORTH CENTRAL REGION**
Col. Richard L. Anderson
(Nebraska)



**COMMANDER
SOUTHWEST REGION**
Col. Robert C. Bess
(Texas)



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



**COMMANDER
PACIFIC REGION**
Col. Edwin W. Lewis, Jr.
(California)

NATIONAL FINANCE OFFICER
Brig Gen Johnnie Boyd
CAP



NATIONAL LEGAL OFFICER
Col Maurice E. Cook
CAP



WING COMMANDERS

NORTHEAST REGION

CONNECTICUT

Col. Howard E. Palmer

MAINE

Col. David J. Braun

MASSACHUSETTS

Col. Donald N. Prouty

NEW HAMPSHIRE

Col. Dale V. Hardy

NEW JERSEY

Col. Frederick G. Camenzind

NEW YORK

Col. Herman H. Botie

PENNSYLVANIA

Col. Raymond F. Schuler

RHODE ISLAND

Lt. Col. James D. Berry

VERMONT

Col. Gary A. Skogebo

SOUTHWEST REGION

ARIZONA

Col. Gilbert H. Day

ARKANSAS

Col. A. G. Melson

LOUISIANA

Col. Wallace P. Ansardi

NEW MEXICO

Col. Robert B. Haulenbeek, Jr.

OKLAHOMA

Col. Ramon L. Busick

TEXAS

Lt. Col. George H. Parker

MIDDLE EAST REGION

DELAWARE

Lt. Col. David C. Driscall

MARYLAND

Col. Clifford A. Parks

NATIONAL CAPITAL

Col. Costello N. Robinson

NORTH CAROLINA

Col. Dwight H. Wheless

SOUTH CAROLINA

Col. Richard Herold

VIRGINIA

Col. Herman H. Maddox, Jr.

WEST VIRGINIA

Lt. Col. William M. Nimmo

NORTH CENTRAL REGION

IOWA

Col. Ramona J. Shaver

KANSAS

Col. Patricia A. Lane

MINNESOTA

Col. Alan K. Brandon

MISSOURI

Col. Joseph D. McMillan

NEBRASKA

Col. Clyde Webb

NORTH DAKOTA

Col. Paul E. Eide

SOUTH DAKOTA

Col. Jerry A. Hayden

GREAT LAKES REGION

ILLINOIS

Col. Lawrence F. Lis

INDIANA

Lt. Col. Paul M. Bergman

KENTUCKY

Col. William K. Hughes

MICHIGAN

Col. Robert V. Payton

OHIO

Col. Leslie S. Bryant

WISCONSIN

Col. Arthur R. Shanley

ROCKY MOUNTAIN REGION

COLORADO

Lt. Col. James C. Bobick

IDAHO

Col. Alvin G. H. Russell

MONTANA

Lt. Col. Ruth J. Edwards

UTAH

Col. E. Woodrow Walton

WYOMING

Col. Darlene G. Gilmore

SOUTHEAST REGION

ALABAMA

Col. Glen D. Atwell

FLORIDA

Col. Richard E. Leighton

GEORGIA

Col. Larry R. Davidson

MISSISSIPPI

Col. Therrell D. Fortune

PUERTO RICO

Col. John J. Gonzalez

TENNESSEE

Col. Dennis O. Sparks

PACIFIC REGION

ALASKA

Lt. Col. John H. Williams

CALIFORNIA

Col. V. Lee White

HAWAII

Col. John A. Parrish, Jr.

NEVADA

Col. Robert M. Roser

OREGON

Col. Grant D. Cochran

WASHINGTON

Col. William H. Hamilton

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

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

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



Mr. Cliff Robertson displays the certificate naming him an honorary member of Civil Air Patrol which was presented by Civil Air Patrol National Commander Maj Gen E. E. Harwell. The actor and aviation enthusiast was guest speaker at the annual awards banquet during the Civil Air Patrol National Board Meeting in San Antonio, Texas, on August 11-12, 1989. (Photo by George Wendt)



The Civil Air Patrol Alaska Wing was actively involved in containment and cleanup operations following the giant oil spill caused by the "Exxon Valdez" tanker accident on 24 March 1989 in Alaska's Prince William Sound. Above, members of the Alaska State Department of Environment Conservation were flown by CAP to check conditions at fish hatcheries along the Alaska coast. (Photo by Irene Collie)



The cadet team representing the CAP Northeast Region won top honors in the Civil Air Patrol National Cadet Competition held at Maxwell AFB, Alabama, in December 1988. Team members visited Washington, D.C., in April 1989 and assisted National Capital Wing Cadets in delivering the 1989 Civil Air Patrol Annual Report to Congress. Cadets (left to right) Orville Dunn, Nelson Delgado, Harry Magazu and Robert Belmont made the presentation to Senator Sam Nunn of Georgia.

Cadet Colonel Darcy E. Gibbons of the CAP Nebraska Wing was presented the Air Force Association's Civil Air Patrol Outstanding Cadet of the Year Award by Air Force Association National Director E. F. "Sandy" Faust, center, and Civil Air Patrol National Commander Maj Gen E. E. Harwell. The award was presented at the closing banquet of the Civil Air Patrol National Board Meeting in San Antonio, Texas, where Darcy was also honored as the Civil Air Patrol Cadet of the Year. (Photo by George Wendt)





Official Elected. CAP National Commander Brig. Gen. E. E. Harwell (right) and CAP National Finance Officer Brig. Gen. Johnny Boyd (left) pin stars on shoulder of newly promoted Brig. Gen. Warren J. Barry. Barry, the former CAP Pacific Region Commander, was elected to the office of National Vice Commander during the CAP National Board Meeting in San Antonio, Texas, on 11-12 August. (Photo by George Wendt)



Congressman Member. Congressman Frank McCloskey of Indiana accepts his certificate of membership in the CAP Congressional Squadron from Indiana Wing Commander Col. Peter C. Crasher during ceremonies in Evansville, Indiana.

SENIOR MEMBER TRAINING

For any organization to be consistently successful, it must have dedicated leaders with well developed managerial and leadership skills. This is particularly true of a volunteer organization such as Civil Air Patrol where the only pay received is the satisfaction of having contributed to a meaningful national service. To provide these skills to such a diverse membership requires a strong and standardized training program. Not only must members be trained to support the Cadet Program, Aerospace Education, and Emergency Service, they must also be trained to do the routine day-to-day jobs. Senior members diligently train through on-the-job and self-study in 17 specialty tracks such as personal, logistics, finance, and other functional areas which are fundamental to a complex organization.

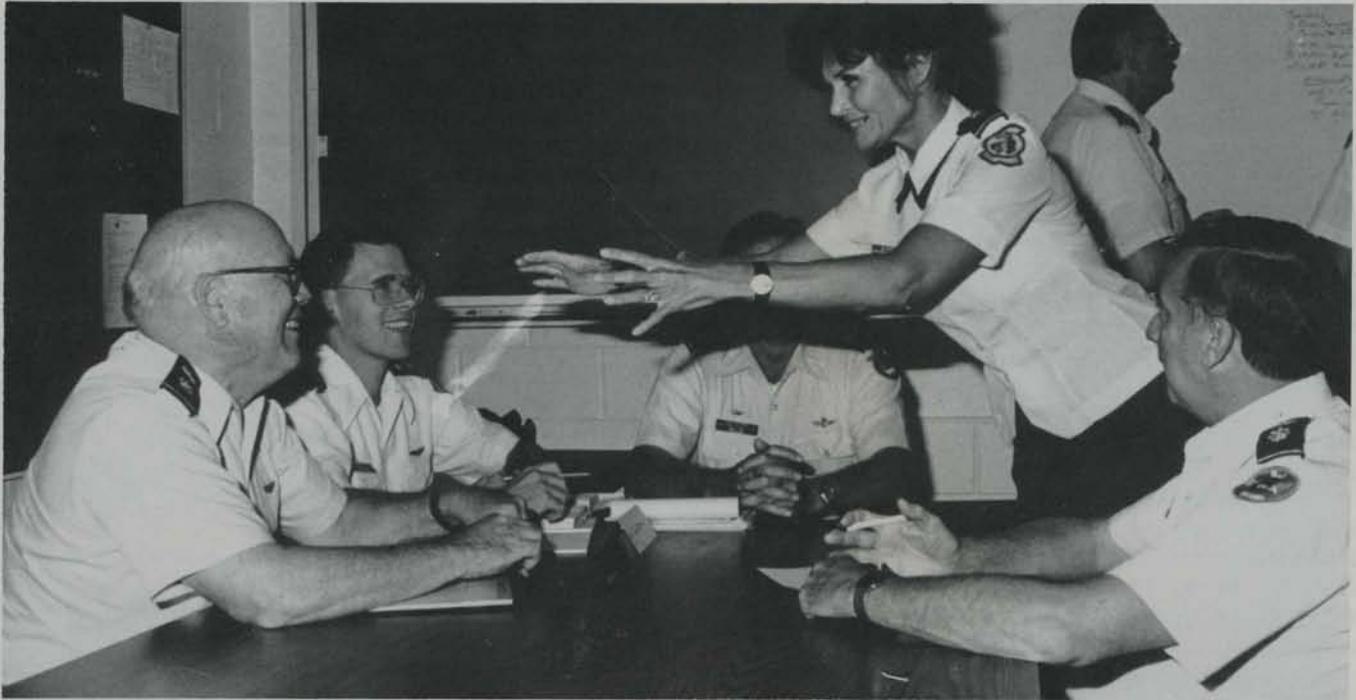
The Senior Training Directorate at National Headquarters identifies training needs and develops required programs in relation to the desires of CAP members to fulfill the mission of Civil Air Patrol. The Directorate staff works with CAP members at all levels to develop curricula for courses to be conducted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



Lifetime Member. Air Force Col. John T. Massingale, Jr. (left) was presented a Civil Air Patrol Lifetime Membership Award by CAP Commander Maj. Gen. E. E. Harwell. Col. Massingale's wife, Faye, joined in the presentation ceremonies during the CAP National Board Meeting in San Antonio, Texas. Col. Massingale served for more than five years as CAP-USAF Commander and CAP Executive Director. (Photo by George Wendt)



Commander School. Civil Air Patrol region and wing commanders pose in front of the CAP National Headquarters at Maxwell AFB, Alabama during the Region and Wing Commanders Course which is conducted periodically for recently appointed commanders. (Front row left to right) Col. Raymond F. Schuler, Pennsylvania; Lt. Col. Herman Botie, New York; Lt. Col. Calvin G. H. Russell, Idaho; Lt. Col. Dale Hardy, New Hampshire; Col. Ramona Shaver, Iowa; (Back row left to right) Lt. Col. Christopher Fox, Kansas; Lt. Col. Dennis O. Sparks, Tennessee; Lt. Col. Robert M. Roser, Nevada; Col. Ramon L. Busick, Oklahoma; Lt. Col. Gilbert H. Day, Arizona; Col. Harold W. Bowman, Southwest Region; and Col. Roy I. Arroll, Northeast Region. (Photo by George Wendt)



Animated Discussion. Lt. Col. Sindi Kalva-Miller of the Florida Wing expresses her views during a personality assessment seminar at the CAP National Staff College. The program was conducted at Maxwell AFB, Alabama, on 17-24 June for 68 CAP senior members from across the nation. (Photo by George Wendt)

LEVEL I. CAP ORIENTATION COURSE

The Level I CAP Orientation course is presented in two parts. The first part provides basic information on the history and organization of CAP, career development programs, CAP customs and courtesies, proper wear of the CAP uniform, basic principles of leadership and management, and the cadet protection program. This is accomplished through self-study using a kit of materials known as the Senior Member Handbook. The second segment of the course is a slide/tape presentation which reinforces the basic instructional areas. As of 31 December 1989, 26,360 Civil Air Patrol members had completed Level I training requirements. Graduates of Level I receive the basic Membership Award.

LEVEL II. TECHNICAL SPECIALTY TRAINING AND OFFICER DEVELOPMENT

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

CAP Squadron Leadership Schools are conducted locally to augment training in Level II specialties and to further enhance knowledge of leadership and management. In these weekend schools, members are provided a working knowledge of 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 Base, Alabama. In 1989, 1,002 CAP personnel completed Level II Senior Training requirements; with a total of 2,192 CAP members attending 107 Squadron Leadership Schools. Graduates of Level II training receive a Certificate of Proficiency in recognition of their training and educational achievements.

LEVEL III. MANAGEMENT

Central to Level III training is the Corporate Learning Course. Training is conducted over a weekend and concentrates on the study of managerial functions within a CAP organization. It is designed to provide senior members with the practical knowledge for squadron management. Additionally, to complete Level III training, members must hold a command or staff position for one year, advance to "senior" level in the specialty area selected in Level II, and participate in CAP activities at wing or higher. In 1989, 626 CAP members completed Level III, with 1,582 attending 84 Corporate Learning Courses. Graduates of Level III receive the Grover Loening Aerospace Award

LEVEL IV. COMMAND AND STAFF

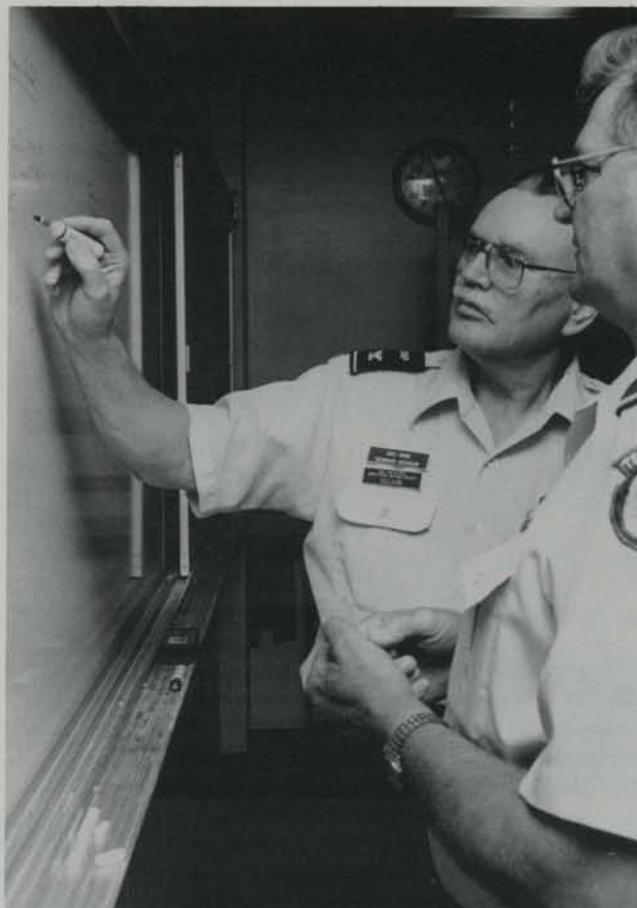
The training program for this level is designed to prepare senior members for advanced leadership positions in CAP. Members are expected to represent CAP in their communities by making presentations before local civil groups, church groups, governmental agencies, etc. Members must also attend a one-week staff college, conducted annually in each of the eight CAP regions. The college provides training in communication, leadership, and management for commanders and staff officers. More than 225 senior members graduated from region staff colleges in 1989. Additionally, in this phase of training members must take a more active role in CAP national, regional, and wing events and continue their service in a command or staff position. CAP officers completing Level IV Senior Training totaled 262 in 1989. Graduates of this level receive the Paul E. Garber Award.

LEVEL V. EXECUTIVE

Only the most dedicated senior members will attain this level of training. To do so they must assume greater responsibility for CAP activities. To progress in this phase of training, members must continue to serve in a command or staff position for three years. Academically, they must complete a 7-day CAP National Staff College (NSC) conducted annually at Maxwell AFB, Alabama. This college provides advanced leadership and management training to develop greater awareness of CAP policies on a national level. The NSC makes extensive use of the facilities and faculties of the USAF Air University Professional Military Education colleges and schools. A total of 110 senior members completed Level V training in 1989, with 68 of them completing the National Staff College. Graduates of Level V receive the Gill Robb Wilson Award.



Uniform Committee. Brig. Gen. Warren J. Barry, CAP National Vice Commander, discusses new Civil Air Patrol uniform items with Mr. Grady S. Kopf, Manager of the Civil Air Patrol Bookstore. General Barry was at National Headquarters to chair meeting of the Civil Air Patrol Uniform Committee and to participate in the November 1989 meeting of the CAP National Executive Committee. (Photo by George Wendt)

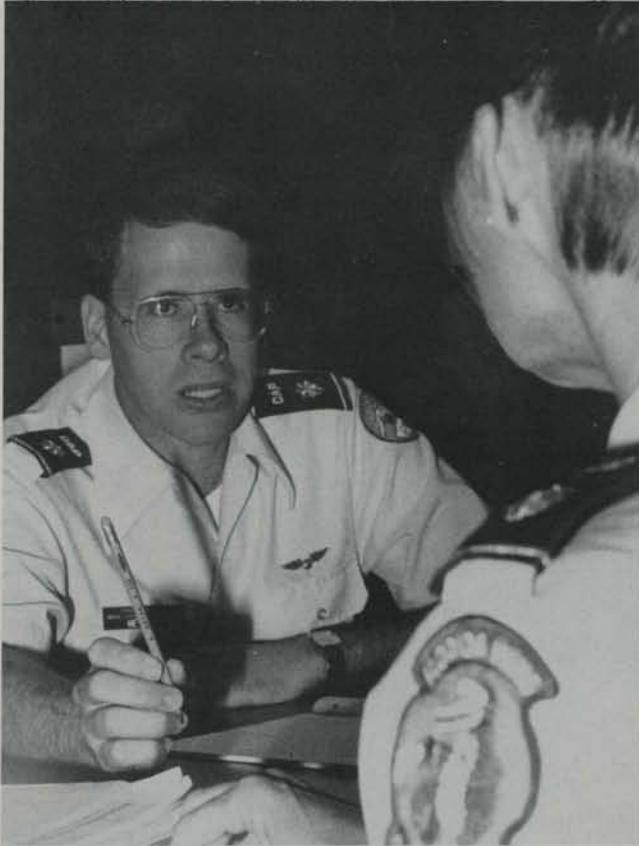


Senior Training. Seminar Advisor Troy Sullivan assists Lt. Col. Warren Mullen of the Texas Wing during the CAP National Staff College conducted at Maxwell AFB, Alabama, during June. Completion of the National Staff College is a prerequisite for attainment of the Level V phase in the CAP Senior Training Program. (Photo by George Wendt)

Specialized Mission Training

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

- **Extension Course Institute (ECI).** ECI is the correspondence school of the Air Force and is open to CAP members without charge. CAP members can take ECI courses in general military training and certain specialized fields, such as communications. CAP-unique courses are also developed and administered by ECI to augment training in the Level II specialties. In fiscal year 1989, 6,876 enrolled in ECI correspondence courses.
- **National Search and Rescue (SAR) School.** The National SAR school is designed to enhance the professionalism of SAR mission coordinators. In 1989, 31 CAP members attended the course conducted by the USAF and US Coast Guard.



Staff College. Maj. Marc J. Metivier of the Connecticut Wing was among the 68 CAP senior members attending the CAP National Staff College at Maxwell AFB, Alabama, during June. The school curriculum focused on command, leadership, and resource utilization with courses of study on time management, communication skills, stress management, personality assessment and problem solving. (Photo by George Wendt)

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

- **Commander's Course.** The 1989 class of the annual orientation course for new wing and region commanders was conducted at National Headquarters, CAP, Maxwell AFB, Alabama, in February 1989. This 4-day course was conducted by CAP-USAF personnel as an in-house program to present current programs and address specific needs of new commanders. Twelve newly appointed commanders attended this course.

- **Communications Training.** Communications schools are conducted annually in the Northeast Region of CAP at Westover AFB, Massachusetts. Additionally, in 1989, a Communications school was conducted by the Great Lakes Region at Chunute AFB, Illinois. These schools are open to both senior and cadet members and provide training in communication procedures and techniques that qualify attendees for "Communications Officer" responsibilities in their CAP units of assignment.

- **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. Every year each wing conducts up to five practice disaster relief, and search and rescue exercises, and two evaluations which are monitored by U.S. Air Force evaluators. The evaluations 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. Over 100 evaluations were conducted in 1989.



Bookstore Purchase. Brig. Gen. Warren J. Barry (right) was elected to the office of National Vice Commander and promoted to the grade of brigadier general during the National Board Meeting in San Antonio, Texas. During a break in the meeting, General Barry is assisted by CAP National Commander Maj. Gen. E. E. Harwell in purchasing new grade insignia and other uniform items at the Civil Air Patrol Bookstore concession. (Photo by George Wendt)

CAP CHAPLAINCY

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

Each chaplain is screened for professional competence and must receive ecclesiastical endorsement from his or her denomination. In addition, each is required to be ordained, have a four year college degree, and three years of seminary or its equivalent in professional experience. The CAP chaplain force is augmented by over 100 visiting clergy who are not CAP members, but who generously assist with the cadet moral leadership training programs in squadrons lacking a duly appointed chaplain.

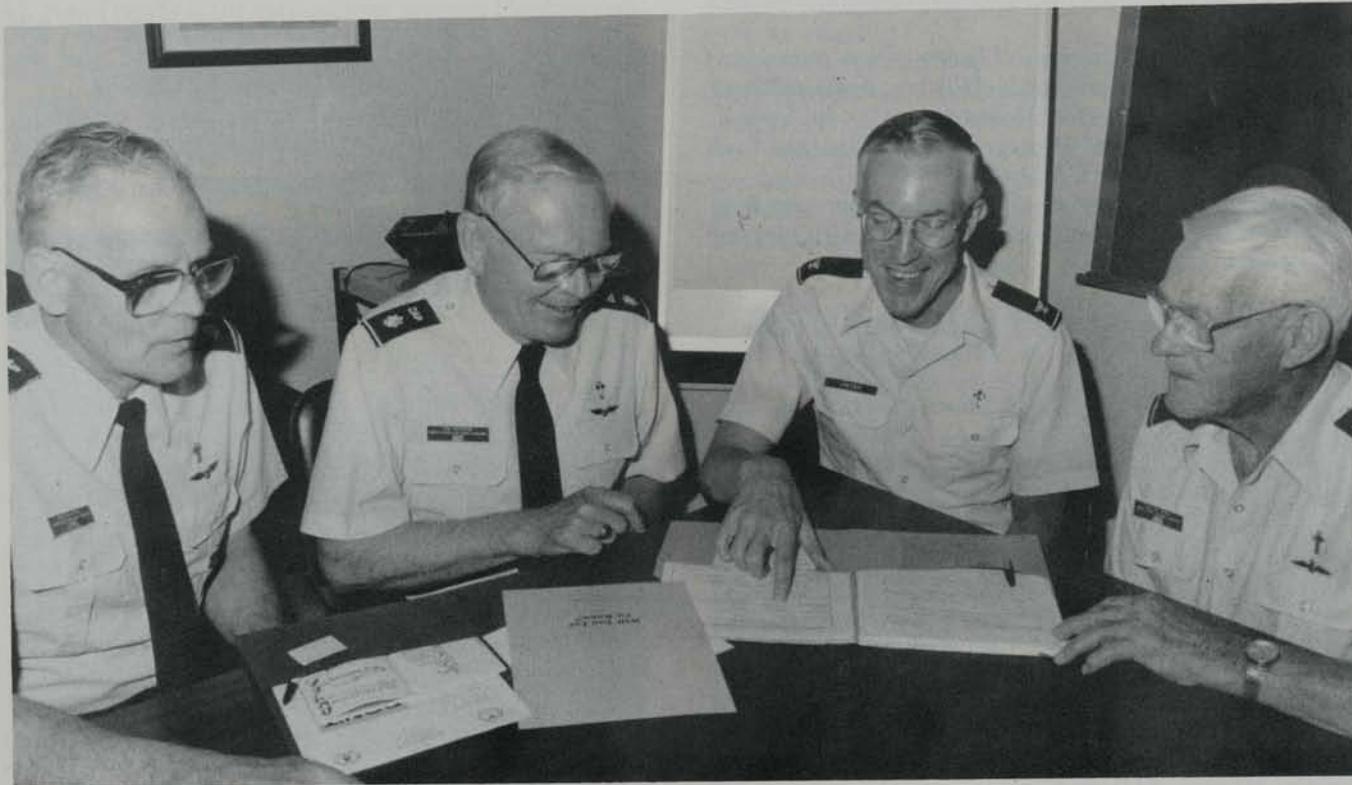
In addition to performing the essential role of chaplain/personal counselor to each CAP member and the professional religious functions, such as services on encampments and at memorial and patriotic observances, the chaplain also provides

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

One of the most crucial areas of chaplain ministry is the moral leadership program. Basic principles of freedom, with its attending responsibilities, are emphasized. Members are encouraged to develop deep sensitivity and strong commitment to the moral, spiritual, and patriotic values on which the vitality of our freedom in America is based and continues to thrive.

Each year, a new series of booklets is developed containing topics relevant to the problems of today's youth. Subjects considered essential in developing a basic system of values for daily living are included. A special focus is the leadership role cadets can provide to their community in support of the President's Anti-Drug Campaign. During discussions, the cadets interact and become involved in raising moral issues, looking at inconsistencies, and avoiding forced conclusions. In the supportive environment provided by a skillful chaplain, the cadets learn who they are, their beliefs and values, and what influence they wish to bring to the world in which they live.

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



Chaplain Conference. The Rocky Mountain Region Chaplain's Conference was held at Peterson AFB, Colorado, with 15 CAP chaplains attending. Among those attending were (from left) Alva R. Appel, former CAP Chief of Chaplains; William L. Gast, Colorado Wing Chaplain; Dennis Dwyer, CAP-USAF Director of Chaplain Services; and Phillip Joos, Rocky Mountain Region Chaplain.

SUPPORT FOR CIVIL AIR PATROL

Congressional Support

The basic congressional support for Civil Air Patrol was provided under Public Law 557 (Title 10 USC 9441), passed on May 27, 1954, and amended four times since. The statute did the following:

a. Established Civil Air Patrol as an official civilian auxiliary of the Air Force and further clarified that for the purpose of determining civil liability, CAP is deemed to be an instrumentality of the U. S. Government while performing missions of the Air Force.

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

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

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

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

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

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



Spatz Award. Cadet Jerry L. McKinney of the Delaware Wing Smyrna Cadet Squadron is congratulated by Delaware Senator William V. Roth, Jr., for the outstanding efforts which earned him the General Carl A. Spatz Award. Jerry joined Civil Air Patrol in 1984 and is a senior at Dover High School, Dover, Delaware.

f. Authorized using appropriated funds to purchase light aircraft, vehicles, communications equipment, and other mission-related equipment, and to furnish cadet uniforms.

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



Senator Member. Senator Richard Lugar of Indiana (right) accepts a certificate of honorary membership in the Civil Air Patrol Congressional Squadron from Indiana Wing Deputy Commander Lt. Col. Paul M. Bergman during a special awards ceremony in Indianapolis.



Georgia Member. U.S. Representative Charles Hatcher (right) of Georgia was presented his certificate of membership in the Civil Air Patrol Congressional Squadron by Georgia Wing Commander Lt. Col. Larry R. Davidson during ceremonies at Moody AFB, Georgia.



Lifesaving Award. Cadet Conrad Clark of Florida's Miami Challenger Cadet Squadron was presented the Air Force Association Meritorious Award for Lifesaving by retired Air Force Maj. Gen. Fran Simokaitis during the AFA's Dade County Chapter annual banquet honoring local CAP members. Cadet Clark was recognized for rendering first aid to a man suffering from a seizure.



Minnesota Award. Cadet Suzanne M. Garber was presented the General Carl A. Spaatz Award by retired Air Force Maj. Gen. Wayne Gatlin during the Minnesota Wing annual conference in Duluth. Suzanne attends Massachusetts Institute of Technology where she is pursuing a degree in Aeronautical Engineering.

Air Force Support

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



Cadet Award. Air Force Academy Cadet Edward P. Black (right) was presented the Civil Air Patrol General Carl A. Spaatz Award by Air Force Brig. Gen. Sam W. Westbrook, III, Commandant of Cadets at the Academy. Black is a former member of the CAP Virginia Wing's Montgomery Composite Squadron and plans on a career as an Air Force aviator following his graduation in May 1991.

As a private citizen, the commander acts as the executive director of the Civil Air Patrol Corporation. The executive director is charged under the CAP Constitution and Bylaws with responsibility to administer the programs of Civil Air Patrol; authority includes issuing such rules, regulations, and other directives as approved by the National Board and the National Executive Committee for the conduct of the affairs of Civil Air Patrol.

The full-time CAP-USAF staff is supported by Air Force Reserve personnel functioning through the CAP Reserve Assistance Program. Reservists provide advice and assistance in the conduct of CAP programs during inactive-duty training and on a limited number of temporary active-duty tours. In fiscal year 1989, the 418 reservists assigned to the program served 5,742 mandays in support of Civil Air Patrol and spent 277,457 hours of nonpaid, points-only time providing advice and assistance.

Under the authorization of the 1984 congressional amendment to the CAP Supply Bill, the fiscal year 1989 Appropriation Bill provided approximately \$3.2 million in Air Force funds for the purchase of equipment for Civil Air Patrol. This brought the cumulative allocation under that authorization to approximately \$19 million during the past five fiscal years. (When the one-time 1987 fiscal year appropriation of \$7 million in Air Force monies under the Anti-Drug Abuse Act of 1986 is included, the total allocated in support of Civil Air Patrol was approximately \$26 million during the past five fiscal years.) Fiscal year 1989 funds were spent to purchase 25 used, late-model, single-engine aircraft and to partially rehabilitate 35 aircraft currently in the CAP-owned fleet. The funds generated by the sale of older CAP owned aircraft were used to purchase another aircraft for fleet upgrade. The funds were also used to purchase 59 new vehicles through GSA and provide rehabilitation for other vehicles currently in the CAP-owned inventory. Remaining Air Force funds were used for the purchase of 1,109 pieces of equipment to upgrade the CAP National Communications Network and to purchase uniforms for CAP cadets.



Governor Honored. Wisconsin Governor Tommy G. Thompson (left) was presented a certificate of honorary membership in Civil Air Patrol by Wisconsin Wing Commander Col. Arthur Shanley. The governor was honored for his continued financial support of Wisconsin's Civil Air Patrol volunteers. (Photo by Donald Winkler)



Hawaii Award. Cadet Tyler G. Kim of Hawaii's Mid-Pacific Institute Cadet Squadron was presented the General Carl A. Spaatz Award by Senator Daniel K. Inoue of Hawaii and Maj. Phillip R. Brieske, Commander of the MPI Cadet Squadron.

CAP SUPPLY DEPOT

The Civil Air Patrol supply depot in Amarillo, Texas, is used to obtain, store, and ship aircraft parts to individual wings. The users of this service pay all handling and transportation charges. Spare parts are provided for the 556 CAP corporate-owned aircraft, consisting of 42 different makes and models. Parts used for the DOD excess aircraft are usually unavailable to CAP members for use on privately-owned aircraft; however, the

depot does sell vendor-acquired spares to individual CAP members for use on their own aircraft.

DOD EXCESS PROPERTY

Civil Air Patrol is authorized by Public Law 557 to acquire equipment and supplies that are excess to the needs of DOD. Property acquired during 1989 included vehicles, communications equipment, office equipment, and other property with an original cost to DOD of \$4.9 million.

STATE SUPPORT

Forty-one states and the commonwealth of Puerto Rico appropriated funds to provide material and financial assistance in the operations of their respective CAP wings during fiscal year 1990 in the amounts shown below. These figures represent the value of the funds and property appropriated but do not necessarily reflect the amount ultimately received by the respective CAP wings. A total of \$3,027,331 was appropriated. This support is greatly appreciated and will be used by Civil Air Patrol to continue and expand its public service capability.

WING	AMOUNT	WING	AMOUNT	WING	AMOUNT	WING	AMOUNT
Alabama	\$ 50,000	Illinois	\$ 173,400	Nevada	\$ 45,000	Rhode Island	\$ 50,000
Alaska	420,000	Kansas	21,181	New Hampshire	82,588	South Carolina	95,615
Arizona	83,292	Kentucky	14,700	New Mexico	94,600	South Dakota	28,709
Arkansas	58,480	Louisiana	75,000	New York	50,000	Tennessee	73,770
California	115,000	Maine	25,000	North Carolina	90,768	Utah	50,000
Colorado	93,088	Maryland	45,000	North Dakota	42,000	Vermont	12,000
Connecticut	45,000	Minnesota	65,000	Ohio	2,000	Virginia	83,480
Delaware	13,000	Mississippi	20,000	Oklahoma	18,500	West Virginia	85,000
Florida	45,000	Missouri	7,310	Oregon	15,000	Wisconsin	19,000
Georgia	42,000	Nebraska	34,750	Pennsylvania	400,000	Wyoming	7,500
Hawaii	190,600			Puerto Rico	45,000		

TEN YEARS IN REVIEW

Year	No. Wings	Amount	Year	No. Wings	Amount
1980	39	\$2,200,623	1985	44	\$2,793,155
1981	42	2,537,027	1986	44	2,871,788
1982	42	2,622,223	1987	44	3,083,473
1983	39	2,461,246	1988	43	4,205,358
1984	44	2,768,215	1989	42	3,027,331

ASSOCIATION WITH OTHER ORGANIZATIONS

The success of most volunteer organizations is achieved through the dedication of members who contribute their time, talents, and resources in support of worthwhile causes. Various organizations also work together in support of common objectives. Civil Air Patrol is associated with other local, national, and international organizations in areas of mutual interest.

Air Force Association (AFA). The Air Force Association is a longstanding supporter of Civil Air Patrol in all three of its basic missions at the national and local levels. Air Force Association National Director E. F. "Sandy" Faust attended the 1989 Civil Air Patrol National Board Meeting and presented the AFA's Civil Air Patrol Outstanding Senior Member of the Year Award to Capt. Hayden Widtfeldt of the Alaska Wing and the AFA's Civil Air Patrol Outstanding Cadet of the Year Award to Cadet Darcy E. Gibbons of the Nebraska Wing.

Drug Enforcement Administration (DEA)/US Forest Service (USFS). On 19 April 1989, Civil Air Patrol, the U.S. Air Force, the Drug Enforcement Administration, and the US Forest Service entered into a Memorandum of Understanding (MOU). Under the MOU, CAP provides aircraft and aircrews to assist DEA and USFS in aerial reconnaissance for detection of illicit drugs, primarily marijuana, within the United States, its territories and possessions.



Outstanding Senior. Capt. Hayden "Skip" Widtfeldt, commander of the Alaska Wing Polaris Composite Squadron (left) was presented the Air Force Association's Civil Air Patrol Outstanding Senior Member of the Year Award by AFA National Director E. F. "Sandy" Faust (center) and CAP National Commander Maj. Gen. E. E. Harwell. The award was presented during the CAP National Board Meeting in San Antonio, Texas, where Capt. Widtfeldt was also honored as the CAP Senior Member of the Year. (Photo by George Wendt)



Spaatz Cadet. Cadet Darrell W. LaRoache accepts his General Carl A. Spaatz Award from Senator Peter Domenici of New Mexico. Darrell is a member of the New Mexico Thunderbird Squadron and a student at the University of New Mexico majoring in Civil Engineering. (Photo by Richard Herlocker)

Order of Daedalians. This multi-service fraternal organization of military pilots supports CAP through financial contributions for local squadron activities as well as solo and private pilot scholarships on both the local and national levels. National recipients of \$2,100 scholarships in 1989 were Cadets Darcy E. Gibbons of the Nebraska Wing, Wade D. Brock of the Arkansas Wing, Matthew T. Pinick of the Missouri Wing, Blaine S. Lorimer of the Washington Wing, and Thomas R. Willard of the Oregon Wing. The scholarships are used for ground and flight training toward an FAA private pilot certificate.

National Aeronautics and Space Administration (NASA). NASA, along with Civil Air Patrol and the Federal Aviation Administration, co-sponsor the annual National Congress on Aviation and Space Education. On March 30 through April 1 1989, the 22nd annual Congress was held in St. Louis, Missouri.

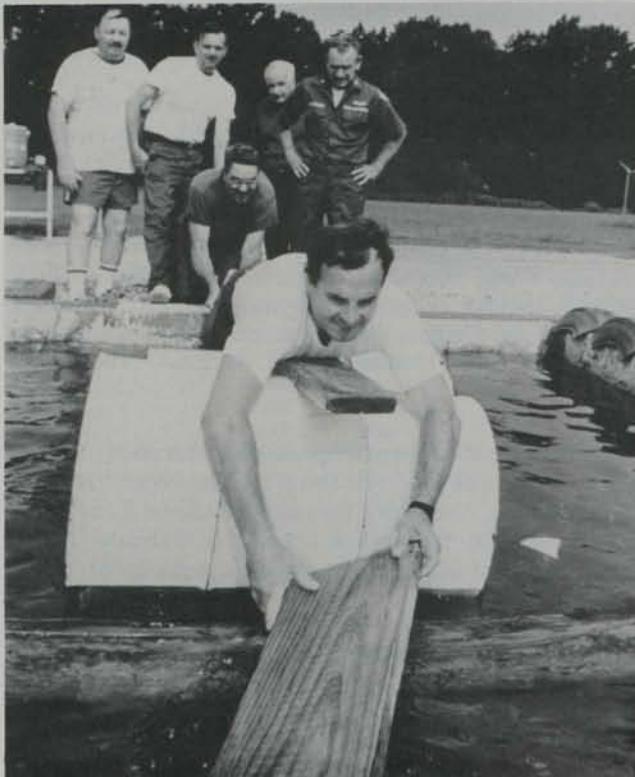
U.S. Customs Service. Civil Air Patrol, the U.S. Air Force, and the U.S. Customs Service entered into an agreement on November 14, 1985, whereby Civil Air Patrol assists the U.S. Customs Service by performing air reconnaissance flights along the boundaries of the United States in support of the government's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



Aerospace Award. The Frank G. Brewer Memorial Aerospace Award in the Cadet Category was presented to Cadet David A. Snell of Montana's Butte Composite Squadron by CAP National Commander Maj. Gen. E. E. Harwell (left) and Lt. Col. Frank G. Brewer, Jr. during the CAP National Board Meeting in San Antonio, Texas. (Photo by George Wendt)



CAP Display. Air Force Capt. Donald Parman (right) visits with CAP Maj. Gordon McIntosh (left) and Cadet Jason Temple of the National Capital Wing at the CAP display during Armed Forces Day Opens House at Andrews Air Force Base. Capt. Parman is a former CAP Michigan Wing cadet and was CAP's 1974 Cadet of the Year. He is currently a battle staff officer on a Strategic Air Command airborne command post ED-135C "Looking Glass".



Staff School. The Civil Air Patrol National Staff College was conducted at Maxwell AFB, Alabama on 17-24 June with 68 CAP senior members in attendance. Teamwork was required to cross the water obstacle during a problem solving phase of the training. (Photo by George Wendt)

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

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

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

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

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



Top Award. Cadet Demetri Capetanopoulous of the New York Wing Westchester Group was presented the General Carl A. Spaatz Award by Westchester County Executive Andrew P. O'Rourke, a former CAP cadet and Naval Reserve rear admiral. Demetri majors in Aerospace Engineering at Ohio State University and is a midshipman in the Navy Reserve Officer Training Corps.

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

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

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

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

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

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

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



Illinois Award. Cadet Cardine Bedell of the Chicago Midway Composite Squadron, Illinois Wing, received her General Carl A. Spaatz from Maj. Gen. William J. Davis, Commander of the Illinois Air National Guard, during a ceremony conducted at squadron headquarters.

RECOGNITION OF EXCELLENCE

UNIT RECOGNITION

Squadron of Distinction. The Lehigh Valley Whitehall Composite Squadron of the Pennsylvania Wing was selected as the CAP Squadron of Distinction based on the unit's overall accomplishments in conducting the CAP cadet program. The unit's commander, Maj. Bruce A. Brinker, CAP, received the F. Ward Reilly Leadership Award in recognition of his outstanding achievement.

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

- (1) MPI Cadet Squadron, Hawaii Wing
- (2) Gurabo High School Cadet Squadron, Puerto Rico Wing
- (3) Atlanta Composite Squadron, Georgia Wing
- (4) McLean County Composite Squadron, Illinois Wing

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

- | | |
|-------------------------------|---------------------------------------|
| Georgia - Southeast Region | New Mexico - Southwest Region |
| Kansas - North Central Region | National Capital - Middle East Region |
| Hawaii - Pacific Region | Vermont - Northeast Region |
| Ohio - Great Lakes Region | Montana - Rocky Mountain Region |

AU Commander's Safety Award - Middle East Region

Paul W. Turner Safety Award - Alabama Wing

INDIVIDUAL RECOGNITION

- Cadet of the Year, Cadet Darcy E. Gibbons, Nebraska Wing**
Senior Member of The Year, Capt. Hayden Widfelt, Alaska Wing
Wing Commander of The Year, Col. James A. Hyde, Jr., Georgia Wing
F. Ward Reilly Leadership Award, Maj. Bruce A. Brinker, Pennsylvania Wing
Chaplain of The Year, Chap. Lt. Col. David L. Northcutt, South west Region
Thomas C. Casaday Unit Chaplain of The Year, Chap. Capt. John C. Vaughn, South Carolina Wing
Safety Officer of The Year, Lt. Col. Ernest C. Pearson, California Wing
Historian of The Year, Lt. Col. Allan F. Pogorzelski, New York Wing
Communicator of The Year, Lt. Col. Billie L. LeClair, California Wing
Public Affairs Officer of The Year, Lt. Col. Larry A. Webb, Virginia Wing, Capt. Kathye L. Minden, Texas Wing



Opening Ceremonies. Members of the Texas Wing Honor Guard participate in opening ceremonies of the Civil Air Patrol National Board Meeting held in San Antonio, Texas, at the Marriott Rivercenter Hotel on 11-12 August 1989. More than 1,000 CAP members from throughout the nation attended the annual two-day event. (Photo by George Wendt)



Idaho Award. Cadet Clint S. Mecham of the Idaho Wing Malhuer County Cadet Squadron proudly displays the General Carl A. Spaatz Award presented to him by Idaho Adjutant General Maj. Gen. Darrel V. Manning. Cadet Mecham is a student at the University of Utah where he is enrolled in the Navy's ROTC program.

Frank G. Brewer CAP Memorial Aerospace Awards

- Cadet Category, Cadet David A. Snell, Montana Wing**
Senior Category, Capt. M. Iris Harris, Alabama Wing
Individual Category, Capt. Lee A. Wheeler, USAF, Montana
Organization Category, Alabama Department of Aeronautics, Alabama

Anniversary Award, Lt. Col. Betty W. McNabb, Southwest Region

General Carl A. Spaatz Awards. From its beginning in 1965, only 970 Spaatz awards have been earned. The following cadets were recognized for completing all phases of the structured CAP Cadet Program:

- Alaska**
 Dan L. Snedden, (No. 959), 71st Composite Squadron
- Arkansas**
 Justin E. Pitts, (No. 930), Ft. Smith Composite Squadron



PA Award. Lt. Col. Larry A. Webb of the Virginia Wing was presented the Public Affairs Officer of the Year Award by CAP National Commander Maj. Gen. E. E. Harwell during the CAP National Board Meeting in San Antonio, Texas. (Photo by George Wendt)



Kansas Award. *Kansas Wing Commander Col. Patricia A. Lane was presented an award designating the Kansas Wing as Number Two in the Nation by CAP National Commander Maj. Gen. E. E. Harwell during the CAP National Board Meeting in San Antonio, Texas. The award recognized Kansas as the first runner-up in points scored under the Civil Air Patrol-Management Analysis Program (CAP-MAP) during 1988. (Photo by George Wendt)*

California

Zackery D. Artim, (No. 963), San Diego County Group 3

Delaware

David G. Carpenter, Jr., (No. 937), New Castle Cadet Squadron

Florida

Kevin S. Holcomb, (No. 942), Treasure Coast Composite Squadron
Jeffrey S. Wheelis, (No. 966), 274th Cadet Training Squadron

Hawaii

Tyler G. Kim, (No. 932), MPI Cadet Squadron

Illinois

Bradley C. Gantt, (No. 953), Quad City Composite Squadron
Christopher D. Taylor, (No. 954), Quad City Composite Squadron

Iowa

Kevin B. Johnson, (No. 951), Red Oak Cadet Squadron

Maine

Christopher T. Holinger, (No. 956), Auburn Composite Squadron

Maryland

Kevin B. Cooley, (No. 969), St. Mary's Composite Squadron

Massachusetts

Donald A. Desrosiers, (No. 962), Westover Composite Squadron

Michigan

Mark C. Sheldon, (No. 933), Adrian Composite Squadron
Kevin T. Krasko, (No. 939), Livonia Cadet Squadron

Minnesota

Suzanne M. Garber, (No. 929), Rochester Composite Squadron
David J. Bureau, (No. 958), St. Paul Composite Squadron
Stephanie A. Edwards, (No. 970), Crow Wing Composite Squadron

Missouri

Karl W. Newlin, (No. 952), H.S.T. Composite Squadron

Montana

David A. Snell, (No. 947), Butte Composite Squadron

Nebraska

Richard J. Schmidt, (No. 936), Lincoln Cadet Squadron
Aaron W. Clark, (No. 941), Lincoln Cadet Squadron

Nevada

Marici Y. Phillips, (No. 967), Tahoe Truckee Composite Squadron

New Jersey

Michael R. Teger, (No. 925), Lone Eagle Composite Squadron
Matthew W. Lacy, (No. 931), Ocean Composite Squadron
Joseph R. Martinez, (No. 948), Wayne Composite Squadron

New Mexico

Matthias A. Giardi, (No. 943), Farmington Composite Squadron
Scott E. McCarty, (No. 960), Eagle Composite Squadron

New York

Clement A. Stewart, (No. 927), Manhattan Squadron
Costas Leonidov, (No. 938), Manhattan Cadet Squadron IV
Darren DeCoste, (No. 964), Mooers Cadet Squadron
Mark A. Christman, (No. 965), Rochester Composite Squadron

Ohio

John J. Nowogrocki, (No. 940), Dover-Bay Cadet Flight 1107

Oregon

Clint S. Meacham, (No. 924), Malheur County Cadet Squadron

Pennsylvania

Lawrence L. Stouffer, (No. 935), Westmoreland Cadet Squadron 1406
John J. Talaber, (No. 950), Hershey Composite Squadron 306 (Henry W. Lutz, (No. 957), South Hills Composite Squadron 613

Puerto Rico

Daniel Guadelupe, (No. 946), Roosevelt Roads Cadet Squadron
Elmer Roman, (No. 961), Yauco H.S. Cadet Squadron

Tennessee

Hiram C. Williamson, (No. 949), Oak Ridge Composite Squadron

Texas

Travis J. Downing, (No. 923), Thunderbolt Composite Squadron
Charles A. Bushong, (No. 926), Odessa Composite Squadron
James W. Horton, Jr., (No. 934), Phoenix Composite Squadron
Corey L. Redmond, (No. 945), Delta Composite Squadron

Washington

Jeffrey A. Lustick, (No. 935), Skagit Composite Squadron

Wisconsin

Dan A. Kern, (No. 928), Fox Cities Composite Squadron
Todd L. Weiser, (No. 944), MKE Composite Squadron

Wyoming

Ed D. Lawson, (No. 955), Laramie Valley Composite Squadron



Model Builders. *Pennsylvania Wing Internal Aerospace education Officer Stan Altzman assists Cadets James Fee and Christina Quick of the Pennsylvania Squadron 1007 during a Model Building Workshop. The cadets' day-long effort of building two types of Balsa-wood models was climaxed by a "fly-off" with awards being given for distance and time. (Photo by Linda Quick)*



Chaplain Of The Year. Southwest Region Assistant Chaplain (Lt. Col.) David L. Northcutt received the Civil Air Patrol Chaplain of the Year Award from CAP National Commander Maj. Gen. E. E. Harwell. The award was presented during the CAP National Board Meeting in San Antonio, Texas. (Photo by George Wendt)

Scholarship Winners. CAP scholarships valued at \$43,500 for academic Year 1989-1990 were awarded to 58 of Civil Air Patrol's outstanding members who are attending colleges and universities across the country. In addition to Cadet Darcy E. Gibbons, who received \$1,500 as Cadet of the Year, recipients of \$1,000 and \$750 scholarships were:

Arkansas Wade D. Brock Lucas K. Gill	Missouri James M. Bengel Robert D. Anderson (4) Matthew T. Pinick Carmelo Turdo	Pennsylvania William A. Davis Lawrence L. Stouffer
Arizona Gregory Y. Garrabrants Donald P. Leinweber (2)	Mississippi Charles E. Evans	Puerto Rico Walter Lara
California Kai E. Chen Dawn M. Kovner	National Capital Norman E. LaCroix	Rhode Island Roland T. Houle
Colorado Mike D. Erickson	Nebraska Sandra J. Burnham Lorraine G. Davison Darcy E. Gibbons Heather M. Phinney	South Carolina Kimberly C. Jollow
Delaware David G. Carpenter James C. Herrera	New Jersey Adam D. Corrado James S. Stanislawski	South Dakota David L. Dirksen
Florida Eric A. Espino Kevin S. Holcomb Scott W. Poxon	New York Vincent M. Lee Marc R. Koenig Anthony S. Hatzis (1) Louis Lopez-Llera (4) Kathleen M. Reddy	Texas Aaron R. Clements Robert S. Hogan Deborah L. McCrea (3) Michelle S. Malone Christopher S. Rogers Anne M. Vaughan
Georgia Deana A. Smith	Oklahoma David J. Cotter Shannon L. Currey	Utah Scott L. Rawlings
Indiana Michelle Presswood	Oregon Matthew W. Dunlop (1)	Washington Kip A. Boyle James A. Garlough Mark P. Reimann
Michigan Kay L. Lincoln McLaughlin (3) Mark C. Sheldon Natalie M. Richard		Wisconsin James L. Schram
Minnesota Suzanne M. Garber Catherine Kennedy Jay A. Sliwinski		

NOTE:

- (1) Louisa Spruance Morse Scholarship recipients
- (2) Casaday-Elmore Ministerial Scholarship recipient
- (3) Graduate Scholarship recipients
- (4) Technical/vocational Scholarship recipients

Gill Robb Wilson Awards. The Gill Robb Wilson Award, named for one of the founders of Civil Air Patrol, is the highest award attainable in the Senior Member Training Program. In recognition of completion of CAP advanced leadership requirements, the award was presented to the following members in 1989:

Alabama Leighton L. Lomax	Georgia Clarence E. Shaffer Gilbert R. Switzer	Michigan Roger L. Hanson William J. Kemp Ronald J. Peters
Arkansas Jerry R. Ooley	Hawaii Gary K. L. Von	Minnesota Alfred A. Baert Richard L. Kirchner Ernest K. Meyer Robert E. Nieman Dennis A. Rock Bruce D. Sexton
Arizona Paul J. Ballmer Buddy Treichel Martha C. Morris	Illinois Michael D. Hoskins John E. Orosz	Mississippi Don C. Bunnell Therrell D. Fortune James W. Frost Allan T. Perkins
California Vincent H. Carbone Harold E. Cunningham John A. Emerson Gary P. Hanson Edward L. Leech James W. Winney	Iowa Sheila J. Waldorf David L. Stookey	National Capital Edward J. Lacey
Colorado Paul S. Frank, Jr.	Indiana Michael S. Staublin Leonard E. Wilson	Nebraska Ted S. Burke
Connecticut Nicholas T. Brignola, Jr. Marc J. Metiviver	Kansas Albert Behning, III Beverly A. Hoskins Kerry R. North	Nevada Edward J. Boudreau, Jr.
Florida Robert G. Balnicky Ronald G. Brown Larry S. Henderson Frederick W. Jones Sindi Kalua-Miller John J. Lehr Waldense D. Malouf Seymour B. Orgel Carl H. Peltzer David S. Rennie Joan E. Thompson	Kentucky Pamela D. Hanna Kenneth Konitzer	New Jersey Marine M. Curtis Lyle G. Hawthorn
	Louisiana Eileen B. Anderson	New Mexico James B. Hawthorne Richard F. Himebrook
	Massachusetts David J. LaCroix Lawrence A. Lablanc Patrick E. Nixon Lawrence L. Trick Richard L. Moseley, Jr.	



Top Cadet. Civil Air Patrol Cadet of the Year, Darcy Gibbons, was presented her award by National Commander Maj. Gen. E. E. Harwell during the annual CAP National Board Meeting in San Antonio, Texas. Cadet Gibbons is a member of the Nebraska Wing. As Cadet of the Year, she received the Gen David C. Jones educational scholarship in the amount of \$1,500 and plans to attend Harvard-Radcliffe to pursue a degree in philosophy and government. (Photo by George Wendt)



Indiana Member. U.S. Representative Dan Burton of Indiana was presented his certificate of membership in the Civil Air Patrol Congressional Squadron from Indiana Wing Vice Commander Lt. Col. Paul M. Bergman during special ceremonies in Indianapolis.



Texas Award. Texas Cadet Tamara A. Floyd was presented the General Carl A. Spaatz Award by CAP National Commander Maj. Gen. E. E. Harwell (left) and Texas Wing Commander Col. Thomas L. Todd during the Texas Wing Conference. Tamara is a junior at Texas Tech University studying for a degree in architecture.

New York

Henry H. Deutch
Norman Glassberg
Harold P. Hawley
Peter F. Nicodemi

North Carolina

George E. Abernethy
Harry L. Cooke
Robert J. Hawkins
Archibald P. Hudgins

Ohio

Bernice M. Barris
Paul E. Elliott
Adolph Evin
William H. Harter, Jr.
William H. Harter, Sr.
John W. Haynes
Rodger E. Morken

Oklahoma

Louis M. Teboe

Oregon

Johnnie Cain
Ethyle E. O'Neal

Pennsylvania

Edward J. Boudreau, Sr.
Margaret A. Rowley

Puerto Rico

Carlos E. Domenech
Norma Irizarry

South Carolina

Raymond K. Clark
Veldon B. Melton
William B. Worsham

Tennessee

Cathryn D. Chisler
David C. Gluck
Russell A. Schmidt

Texas

Deborah McCrea
Walter L. Hays
Charles I. Lemon
Warren E. Mullen
Palmer B. Scully

Utah

Alden H. Laney
Linda L. Snyder

Virginia

William L. Anderson

Vermont

Gerhard J. W. Vreman
Esther Abrams

Washington

Richard G. Shortridge

West Virginia

David C. Brooks
Patrick B. O'Neal

Wisconsin

Dan R. Bell
Neil O. Donohue
David D. Farrell

Overseas

James F. A. Noyes

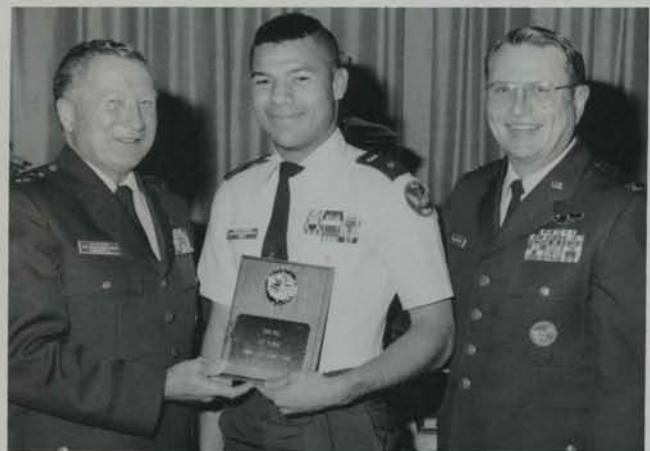
Civil Air Patrol Hall Of Honor. The Civil Air Patrol Hall of Honor, located in the U.S. Air Force Museum at Wright-Patterson Air Force Base, Dayton, Ohio, was dedicated in May 1974. The display pays tribute to leaders who were instrumental in establishing the organization and in its development over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

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

* Deceased



Recruiting Effort. Cadet Eric Clark of Nebraska's Lincoln Cadet Squadron tells Lisa Peterson of the benefits of Civil Air Patrol membership. Eric was manning a recruiting booth set up by his squadron in the East Plaza Mall in Lincoln, Nebraska. (Photo by Dean Flechs)



Cadet Competition. The 16-member New Jersey Wing team of cadets representing the CAP Northeast Region won top honors in the Civil Air Patrol National Cadet Competition held at Maxwell AFB, Alabama, in late December. Team Captain Darin Ford receives one of the four first place awards won by his team from CAP National Commander Maj. Gen. E. E. Harwell (left) and Air Force Col. James S. Willoughby, HQ CAP-USAF DCS/Training. (Photo by George Wendt)

STATISTICAL SUMMARY

Vital Statistics as of 31 December

MEMBERSHIP	1988	1989
Cadet	30,505	27,188
Senior	42,331	40,151
Total Members	72,836	67,339

ORGANIZATIONAL UNITS	1988	1989
Regions	8	8
Wings	52	52
Groups	191	188
Senior Squadrons	284	278
Cadet Squadrons	321	311
Composite Squadrons	955	942
Flights	101	109
Total Units	1,912	1,888

RADIO STATIONS	1988	1989
Fixed Land	3,773	3,843
Ground Mobile	19,572	17,950
Air Mobile	5,881	5,781
Search and Rescue	1,247	1,408
Corporate Aeronautical	590	540
Repeater Stations	279	323
Emergency Locator	219	286
Total Stations	31,561	30,131

AIRCRAFT	1988	1989
Corporate Owned	565	556
Member Owned	7,736	7,014
Total Aircraft	8,301	7,570

EMERGENCY SERVICES	1988	1989
Missions	2,434	2,681
Sorties	6,946	10,192
Hours Flown	14,711	21,114
Finds	1,781	1,909
Saves	108	65

ENCAMPMENTS	1988	1989
Active Air Force Bases	35	34
Other DOD Facilities	20	27
Non-DOD Facilities	27	21
Cadets Attending	7,509	7,725
Seniors Participating	1,209	1,149

CADET AWARDS	1988	1989
Mitchell Awards	1,695	1,663
Earhart Awards	508	559
Spatz Awards	52	48

WING PARTICIPATION IN EMERGENCY SERVICES 1 January 1989 through 31 December 1989

The following data indicates CAP participation in USAF-assigned search and rescue, disaster relief, and other emergency services missions. Thousands of additional hours are devoted to state and local support activities that are not reported. During 1989, Civil Air Patrol was credited with 1,909 finds and 65 saves. ("Finds" are search objectives and "saves" are lives saved.)

	Missions	Sorties	Hours	Finds	Saves
Alabama	35	51	84	19	0
Alaska	182	1,491	3,554	122	19
Arizona	62	244	754	44	0
Arkansas	21	154	288	10	0
California	256	2,500	4,830	206	3
Colorado	52	476	773	26	5
Connecticut	20	13	22	10	0
Delaware	9	4	9	10	0
Florida	266	805	1,411	236	2
Georgia	73	143	261	57	3
Hawaii	2	14	34	0	0
Idaho	31	173	413	8	1
Illinois	46	62	142	32	0
Indiana	37	50	90	32	0
Iowa	13	13	32	11	0
Kansas	120	76	211	20	0
Kentucky	16	25	60	10	0
Louisiana	81	150	333	59	0
Maine	45	38	82	33	0
Maryland	41	30	67	33	0
Massachusetts	46	46	73	42	0

	Missions	Sorties	Hours	Finds	Saves
Michigan	68	47	114	56	8
Minnesota	45	55	126	32	0
Mississippi	24	47	77	15	0
Missouri	37	229	495	32	0
Montana	15	18	36	1	2
National Capital	1	0	0	1	0
Nebraska	14	65	93	10	0
Nevada	31	169	518	19	8
New Hampshire	10	1	2	7	0
New Jersey	67	31	50	51	0
New Mexico	27	59	148	11	0
New York	79	183	453	64	0
North Carolina	64	62	142	55	1
North Dakota	15	12	21	7	0
Ohio	53	22	42	37	0
Oklahoma	34	102	204	24	0
Oregon	23	318	789	9	0
Pennsylvania	88	150	277	66	2
Puerto Rico	1	3	9	0	0
Rhode Island	10	7	20	12	0
South Carolina	40	84	153	37	0
South Dakota	8	13	20	4	0
Tennessee	31	32	56	18	0
Texas	167	825	1,611	133	1
Utah	35	114	345	16	3
Vermont	6	11	17	3	0
Virginia	58	204	464	50	1
Washington	95	593	922	68	4
West Virginia	11	23	39	5	0
Wisconsin	36	87	176	21	2
Wyoming	16	65	170	5	0
National Totals	2,681	10,192	21,114	1,909	65



Air Force MSgt Bradley F. Holmes checks the personal appearance of Cadet Kevin Christ of the Florida Wing during the inspection phase of the Civil Air Patrol National Cadet Competition held at Maxwell AFB, Alabama, on December 28-29, 1989. A 16-member team representing each of the eight CAP regions competed in precision drill, physical fitness, and aerospace knowledge. The team representing the CAP Northeast Region won top honors and was presented the Air Force Chief of Staff Sweepstakes Trophy. (Photo by George Wendt)



**Pararescue Orientation Course
Kirtland Air Force Base, New Mexico**