



CIVIL AIR PATROL
1985
ANNUAL
REPORT TO
CONGRESS

FOR YEAR ENDING 31 DECEMBER 1984





Cadet members of the CAP National Capital Wing and the Great Lakes Region winners of the 1983 National Cadet Competition visited the office of each member of Congress and delivered a copy of the 1984 Civil Air Patrol Annual Report to Congress. National Capital Wing cadets (left to right) Jan Lattimore, Linda

Stebbins, Ben Falso, and Craig Delfosse made the presentation to Senator Sam Nunn of Georgia. Along with the report, the cadets presented a personal memo from the CAP Wing Commander in each Congressman's home state expressing appreciation for their support of Civil Air Patrol.

Air Force Academy Cadet Scott L. Fenstermaker was named winner of the Civil Air Patrol 25 Year Honor Roll Award as the former Civil Air Patrol cadet to graduate highest in order of merit in the Class of 1984. After his name was inscribed on the 25 Year Honor Roll scroll, Scott was presented a personal plaque by Brig Gen Anthony J. Burshnick (left), Academy Commandant of Cadets. Col E. J. Zulauf, CAP-USAF Rocky Mountain Liaison

Region Commander, also participated in the ceremony. Upon graduation, Fenstermaker entered the University of Washington for a year of study leading to a master's degree in aeronautical engineering and thereafter will be assigned to Research and Development in the regular Air Force. Scott is a former member of the South Hills Composite Squadron 613 of the CAP Pennsylvania Wing. (Photo by Bill Madsen)



Cover Photo;

CAP Cadets at Pararescue Orientation Course in George Washington National Forest in the mountains of northern Virginia. (Photo by George Collins)



**NATIONAL
HEADQUARTERS
CIVIL AIR PATROL**

—USAF AUXILIARY—

Maxwell Air Force Base, Alabama 36112-5572



TO THE CONGRESS OF THE UNITED STATES

The activities of Civil Air Patrol during calendar year 1984 are summarized in this report as required by Public Law 79-476. Civil Air Patrol has operated continuously since it was established on 1 December 1941 as an emergency action to make civil aviation pilots and aircraft available in the World War II national defense effort.

After its outstanding wartime service, Civil Air Patrol was chartered by the 79th Congress on 1 July 1946 as a volunteer, nonprofit corporation. Civil Air Patrol was later granted official status as the civilian auxiliary of the Air Force by the 80th Congress through Public Law 557. The law authorized the Secretary of the Air Force to provide certain support to the fulfillment of Civil Air Patrol objectives and to use the services of Civil Air Patrol in carrying out the noncombatant missions of the Air Force.

Civil Air Patrol members continued throughout 1984 to serve their communities and the nation with significant achievement in all areas of endeavor. This report highlights accomplishments in emergency services assistance to people in distress, advancements in aerospace education for Civil Air Patrol members and the general public, and citizenship and leadership development programs for Civil Air Patrol cadet and senior members.

The overall achievements of Civil Air Patrol during 1984 were made possible by the dedicated Civil Air Patrol volunteers and the steadfast support of the Congress and the United States Air Force. It is a privilege to present this report of Civil Air Patrol activities during the past calendar year.

WILLIAM B. CASS
Brigadier General, CAP
National Commander

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

THE CADET PROGRAM

The Civil Air Patrol Cadet Program is designed to develop and motivate young Americans to leadership and responsible citizenship through an interest in aviation. The program is open to US citizens and persons lawfully admitted for permanent residence to the United States and its territories and possessions who are 13 through 18 years of age, or have completed the sixth grade. Upon reaching age 18, cadets may choose to either become senior members or to continue in the cadet program until their 21st birthday.

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

INTERNATIONAL AIR CADET EXCHANGE (IACE)

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

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

In the 1984 program, 105 CAP cadets and 21 senior member escorts were exchanged with cadets from 12 other IACE member nations and three countries in the Pacific. Annual exchanges with Pacific countries are arranged and conducted bilaterally by Civil Air Patrol under similar rules and format and in conjunction with the regular IACE program.



Flight Training. Cadet Ann Munchie was among the 28 students receiving powered flight training at the 1984 Illinois Wing Flight Encampment conducted at Charleston, Illinois during July. Ann conducts a pre-flight check of her aircraft under the watchful eye of Chief Powered Flight Instructor Charles Bunting. In addition to the powered flight training, 30 cadets received training in gliders and 12 in hot air balloons.



Reserve Support. Capt Terry L. Lawrenson conducts a seminar during the 1984 Civil Air Patrol Cadet Officers School held at Gunter AFS, Alabama during late July. The success of the 10-day course for 103 CAP cadets was greatly attributed to the support staff consisting of a team of Air Force Reserve Officers and NCOs serving on temporary active duty.

FLIGHT TRAINING

Civil Air Patrol allocated \$33,000 in its fiscal year 1984 budget to provide locally conducted solo flight training and orientation flights for cadets. The funds provided 53 solo flight scholarships to cadets in the 52 CAP wings and overseas units. Scholarships covered expenses of ground school and flight training leading to solo qualification.

Also, all CAP cadets are eligible for a series of six 30-minute orientation flights. The program is funded and conducted at wing and unit levels, but the CAP national treasury provides partial reimbursement for a percentage of the cadets' first orientation flights. During 1984, over 5,350 cadets received their first light aircraft flight experience.

CADET ENCAMPMENTS

Each year, several thousand Civil Air Patrol cadets attend encampments at Air Force bases or other military facilities throughout the United States and Puerto Rico. For many cadets, this is their first exposure to the excitement and challenge of the aerospace world. They get a firsthand look at military life-style. They meet, talk with and observe men and women of the active armed forces, and through personal involvement, gain much practical experience and information on aerospace-related career opportunities.

Because of its importance in a program of personal development, the encampment has become a significant part of the structured CAP cadet program. It is considered one of the building blocks of character, knowledge and leadership, and is a prerequisite to earning the Billy Mitchell Award which is the first major milestone of cadet achievement. Cadets who earn the Mitchell Award become eligible for more advanced special activities.

During 1984, 6,345 CAP cadets and 1,204 CAP senior members attended encampments. Encampments were conducted at 29 active Air Force bases and at 16 other Department of Defense installations. An additional 12 encampments were conducted at non-DOD facilities.



Academy Nominee. Andrea Thompson of the North Carolina Triad First Flight Squadron entered the Air Force Academy in July as a result of her nomination by Senator Jesse Helms. Andrea had earlier completed the structured CAP cadet program and earned the General Carl A. Spaatz Award.



Cadet Competition. The 1984 National Cadet Competition conducted at Maxwell AFB, Alabama in late December involved teams from each of the eight CAP regions. Region teams were chosen earlier in competition between winners of 52 wing competitions. The two-day event consisted of a series drill competitions, physical fitness tests, and examinations on aerospace subjects. The New York Wing Bronx Group Team representing the Northeast Region took top honors and was awarded the Air Force Chief of Staff Trophy at the close of the event. (Photo by Rand McNatt)

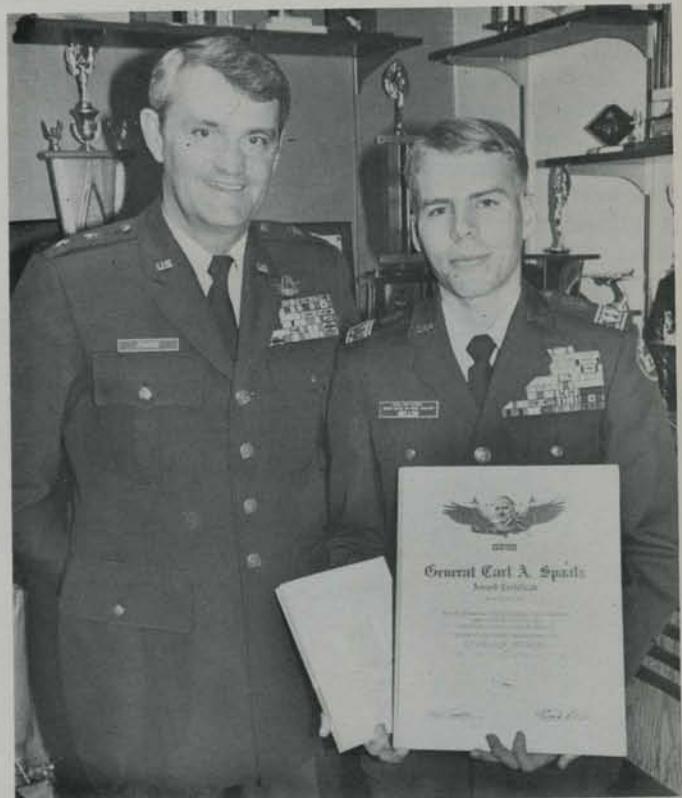
CADET SPECIAL ACTIVITIES

As cadets progress in the structured program, they qualify for participation in a number of nationally conducted special activities. In 1984 a total of 563 cadets participated in these activities. The most prestigious and competitive is the International Air Cadet Exchange which involved cadets and adult escorts in a summer-time exchange with several countries. The Cadet Officer School conducted at Gunter Air Force Station, Alabama, and taught by Air University faculty was attended by 108 cadets from 34 wings. This ten-day course 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 97 cadets from 29 wings. The host bases at Mather AFB, California; Laughlin AFB, Texas; and Columbus AFB, Mississippi acquainted the cadets not only with specific activities of ATC, but also stimulated cadet interest in the USAF as a career.

The Pararescue Orientation Course, a one-week course conducted by the USAF Pararescue School to instruct participants in the various techniques of rescue operations, was attended by 124 cadets from 32 wings. This exceptionally popular program was conducted at three sites: Kirtland AFB, New Mexico; Fort Knox, Kentucky; and George Washington National Forest, Virginia.

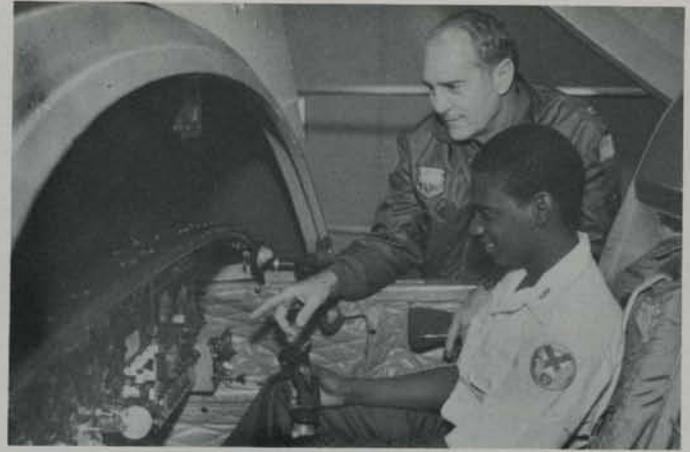
The National Cadet Competition Conducted at Maxwell AFB, Alabama, during the last week of December was attended by 128 cadets and 32 escorts. A 16-member team from each of eight CAP regions competed in aerospace knowledge, physical fitness, and precision drill. The New York Wing Bronx Group Team, representing the Northeast Region, was the sweepstakes winner.



Top Achievement. Troy Mellon displays the General Carl A. Spaatz Award presented to him by Colorado Adjutant General John L. France. The award recognizes completion of the structured CAP cadet program and is earned by only a few select cadets each year. Troy is a member of Colorado's Valley Cadet Squadron and attends the University of Kansas. (Photo by West Twomey)



Achievement Recognized. North Carolina Governor James B. Hunt, Jr., presented the Civil Air Patrol General Carl A. Spaatz Award to Cadet Lori A. Swanson in the presence of her parents, Major Robert J. and Captain Harriet A. Swanson. Lori is a member of the Raleigh-Wake Composite Squadron and was the first North Carolina female cadet to earn the award. (Photo by Gene Furr)

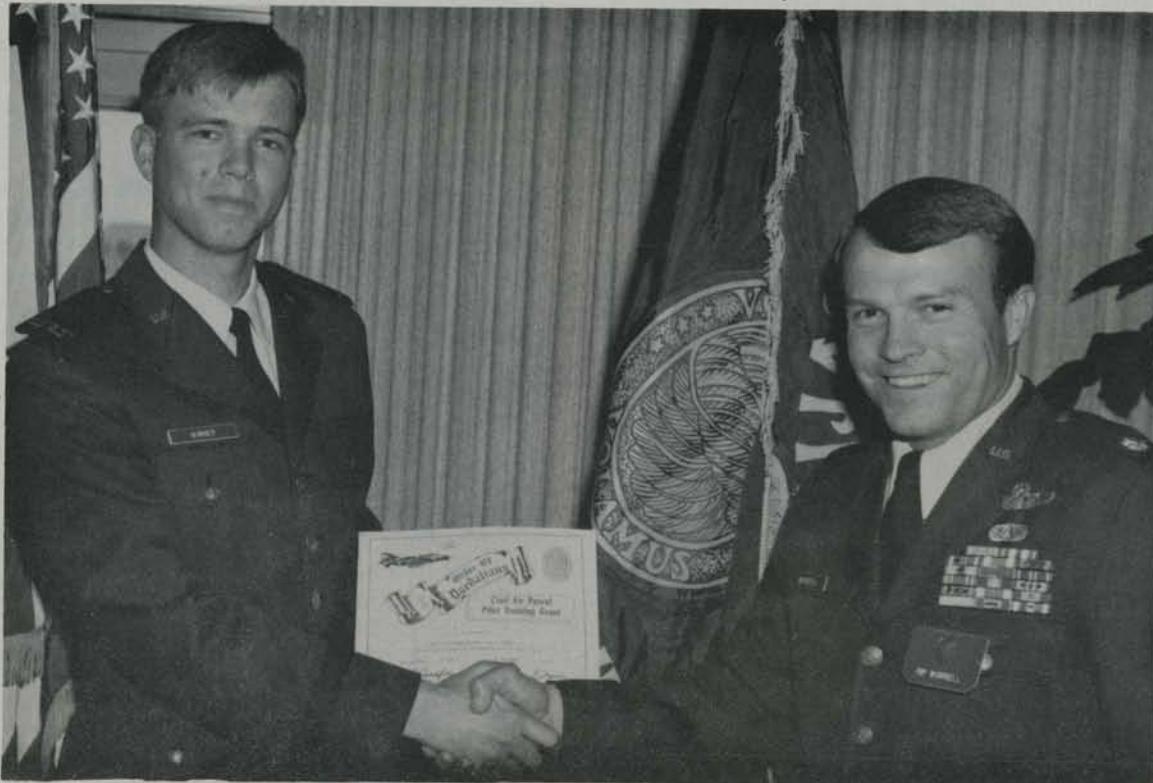


Simulator Training. Air Force Lt Col Glen Atwell, Alabama Wing Liaison Officer, briefed Cadet Ronald Warren on the operation of a flight simulator during the Alabama Wing cadet encampment at Columbus AFB, Mississippi. Each year several thousand CAP cadets attend encampments held on Air Force Bases and other military services facilities throughout the United States and Puerto Rico. The program gives cadets a firsthand look at the military lifestyle and provided practical experience and information on military career opportunities. The highly successful encampment hosted by Columbus AFB for 59 Alabama Wing cadets was the result of good planning, excellent Air Force base support and the sincere personal interest and involvement of responsible Air Force personnel. (Photo by Rand McNatt)

SCHOLARSHIP PROGRAM

In 1984, the Civil Air Patrol provided a total of \$40,500 to 69 of its members to supplement their college or vocation-technical school education. Scholarships were given for study in engineering, education, humanities, theology, and science. Recipients ranged from young persons interested in learning to be aircraft mechanics to those pursuing advanced degrees in aeronautical engineering or aerospace medicine. In addition to the national scholarship program, many scholarships are provided by local and state level CAP units and outside organizations.

Daedalians Scholarship. CAP Cadet Van A. Wimmer, Jr. from Virginia Wing and currently a cadet at the Air Force Academy was presented an Order of Daedalians Flight Scholarship by Air Force Major Rip Worrell during a Daedalian Chapter meeting at the Air Force Academy Officers Club. The Order of Daedalians, a multi-service organizations of military pilots, supports CAP through financial contributions for squadron activities and solo and private pilot scholarships at both the local and national levels. The organization annually awards three \$1,000 Pilot Training Scholarships to provide CAP cadets with ground and air training for an FAA private pilot license.



EMERGENCY SERVICES

The primary objective of Civil Air Patrol Emergency Services is to save lives and relieve human suffering while safeguarding the lives of CAP personnel providing this service. CAP relies on professionalism in organization, training and mission execution to accomplish this service. Care is exercised to ensure that only qualified members are permitted to participate in actual missions. The CAP Emergency Services mission includes search and rescue in support of the Aerospace Rescue and Recovery Service in the Continental United States, the United States Coast Guard in Puerto Rico, and the Joint Rescue Coordination Center in Hawaii and in Alaska. The Emergency Services mission also includes civil defense and disaster relief operations in support of local, state, federal and other national emergency services organizations. Additionally, CAP is working with Department of Defense agencies in their non-combatant role of Military Support Civil Defense (MSCD) and Land Defense of the CONUS (LDC). CAP also cooperates with local civil officials and rescue organizations in search and rescue operations and also has a mutual support relationship with the American National Red Cross, Salvation Army, Federal Emergency Management Agency, Federal Aviation Administration, National Voluntary Organizations Active in Disaster, and other humanitarian organizations in conducting disaster relief operations.

SEARCH AND RESCUE

The U.S. Air Force is assigned responsibility by the National Search and Rescue Plan for coordinating inland search and rescue operations in the United States. In its role as the Auxiliary of the Air Force, Civil Air Patrol is the primary resource available to the Air Force in fulfilling the responsibility of inland Search and Rescue.

ELT Search. Cadets Norm Robinson (left) and Andreas Wesemann of the Utah Wing Ground Team track an Emergency Locator Transmitter signal with a hand-held direction finder during the National Search and Rescue Competition at Whiteman AFB, Missouri. The Utah team placed first in the Ground ELT Search phase of the competition.



High Bird. Tom Todd, left, and Lee Zimmerman place radio gear on the "high bird" aircraft which was used to orbit the exercise area as a communications link between lower flying aircraft and ground based radios during the Southwest Region Search and Rescue Competition. (Photo by Rand McNatt)

In 1984, the North East Region CAP and the Great Lakes Region CAP participated with the Air Force Reserve Coordination Center (AFRCC) in Search and Rescue (SAR) Awareness Symposiums. These conferences brought local, state, and federal members of the SAR community together to further each's knowledge of the other's SAR capabilities and operating procedures. These meetings played a significant part in CAP's continuing effort to promote awareness and improvement of SAR.

During 1984, Civil Air Patrol participated in 1,979 Air Force authorized search and rescue missions, flew 17,351 hours, and was credited with locating 1,204 search objectives and saving 128 lives.

For the thirteenth consecutive year the number of CAP finds on Air Force authorized missions has increased; from 103 in 1971 to 1,204 in 1984. Civil Air Patrol finds increased by 12% in 1984 as compared to 1983. CAP flew approximately 80% of search hours on missions coordinated by the Air Force Rescue Coordination Center (AFRCC). In addition to supporting Air Force requests, the CAP wings in Louisiana, Florida, Puerto Rico, Alaska and Hawaii frequently provided search assistance to the U.S. Coast Guard. According to AFRCC data, the emergency locator transmitter (ELT) continued to be the best aid available to searchers, and the best hope for timely rescue of survivors of general aviation air crashes. The high incidence of non-distress ELT activations and voice transmissions on ELT frequencies are major areas of concern. The average of 99% of all ELTs being non-distress combined with a 274% increase in ELT alarms since SARSAT implementation has significantly increased the mission load of CAP. CAP is working closely with other organizations to increase ELT reliability to ensure that when an ELT signal is transmitted, it is indeed indicating a distress situation. CAP continues to inform the aviation community of the importance of reliable ELT equipment, monitoring of the ELT frequency and accurate flight plans. CAP also has continued to explore and work with other agencies towards more efficient and accurate methods of locating downed aircraft to increase the chance of finding survivors.

Ground Search. A Tennessee CAP Wing ground team begins an early morning five mile hike to the top of a mountain in the Great Smokey Mountain National Park, where it located the wreckage of an Air Force F-4C aircraft that had disappeared from the radar screen at the FAA Atlanta Center the previous evening. CAP air search was unsuccessful because there was no Emergency Locator Transmitter (ELT) signal from the missing aircraft and a heavy snow during the night had covered the wreckage, precluding visual sighting. Both Air Force pilots were killed in the accident. (Knoxville News Photo)



MISSION SUMMARIES

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

ULTRALITE ACCIDENT

Wisconsin. A Wisconsin CAP boat patrolling Lake Winnebago in support of the Experimental Aircraft Association airshow at Oshkosh, Wisconsin observed an ultralite aircraft with one person on board crash in the lake. The uninjured pilot was recovered by Wisconsin CAP and delivered to the Oshkosh police.

SARSAT SAVES

Alaska. In response to the request of the Alaskan Air Command Rescue Coordination Center, Alaska CAP at Kotzebue investigated emergency locator transmitter (ELT) signals detected by the Search and Rescue Satellite Aided Tracking (SARSAT) system. Kotzebue CAP located a crashed aircraft and an Army National Guard helicopter recovered four injured survivors. Four saves were jointly credited to the SARSAT system, Alaska CAP and the 3rd Eskimo Scout Battalion of the Army National Guard.

GUNSHOT WOUND

Nebraska. Nebraska CAP responded to the request of the Cambridge Memorial Hospital in Cambridge, Nebraska and delivered six units of blood from North Platte to Cambridge for use in the treatment of a woman suffering from a gunshot wound.

MISSING MEN

New Mexico. Three persons who had entered a rugged wilderness area in an all terrain vehicle were reported missing. New Mexico CAP and state police located the men in a remote area. They were out of fuel, lost and cold.

LOST HUNTER

New Mexico. New Mexico CAP assisted the State Police in the search for a man reported overdue in returning from a hunting trip. The man was located by New Mexico State Police in the vicinity of Elk Mountain and was recovered in good condition by New Mexico CAP and State Police ground teams.

CRASHED CESSNA

California. The Air Force Rescue Coordination Center notified California CAP that an Emergency Locator Transmitter (ELT) signal was being heard in the Lee Vining, California area. California CAP used airborne direction finding equipment to locate a Cessna 150 that had crashed while enroute from Concord to Lee Vining. A National Park Service helicopter was used to transport the two survivors to a hospital in Modesto.

Mercy Mission. Lt Col Jo Ann Stone of Colorado's Monarch Pass Senior Squadron volunteered a CAP snow-cat and her services in a winter feeding program for 1,600 snowbound deer. Jo Ann and two other volunteers worked from 9 a.m. until 2 p.m. each day to distribute high protein food pellets provided by the Colorado Division of Wildlife.





Movie "Solo". Sherleen Jaussi poses with Bob Esper, Commander of Alaska's Polaris Senior Squadron during her visit to Anchorage for the premier of the movie "Solo." Sherleen is the subject of the movie which tells of her crash in 1981 near Grand Junction, Colorado and the five day search by Civil Air Patrol and other organizations that resulted in her rescue.

ONE SAVED

Idaho. The Air Force Rescue Coordination Center notified Idaho CAP that an ELT signal was being heard in the Dubois, Idaho area. Idaho CAP ground teams used hand-held direction finding equipment to locate the ELT signal which was being transmitted from a crashed Piper Cherokee. The Clark County Sheriff recovered one survivor and delivered him to the Idaho Falls Hospital and assumed responsibility for recovery of the body of one deceased person.

AIRCRAFT ACCIDENT

Alaska. An Alaska CAP aircraft was diverted to investigate a "Mayday" call and an ELT signal northwest of Anchorage. The CAP pilot located a Cessna 172 crashed in a river as nightfall approached. Signal lights from the riverbank confirmed that there were survivors. An Air Force helicopter from the 71st Aerospace Rescue and Recovery Squadron picked up two uninjured people and delivered them to Elmendorf AFB.

MISSING PERSON

Pennsylvania. At the request of the Monroe County, Pennsylvania Sheriff, Pennsylvania CAP assisted in the search for a 64 year old missing man. Pennsylvania CAP located the man in the vicinity of Shenandoah, Pennsylvania. The man who suffered from Alzheimers Disease was disoriented, hypothermic and exhausted when found.

SEARCH DOGS

California. At the request of the Shasta County Sheriff, California CAP transported a search and rescue dog team to use in the search for a missing man. The dog team located the man in fair condition in a canyon in the vicinity of Shingletown.

MEDICAL EVACUATION

Kansas. The VA Hospital at Grand Island, Nebraska, requested airlift of a man requiring special treatment for life threatening pancreatic cancer. Kansas CAP picked up the patient and a paramedic at Colby Airport, Kansas and delivered them to the VA Hospital at Grand Island, Nebraska.

DOG MUSER

Alaska. Alaska CAP at Kotzebue was requested by the Alaskan Air Command Rescue Coordination Center to investigate ELT signals picked up by the Search and Rescue Satellite Aided Tracking (SARSAT) system approximately 100 miles northwest of Kotzebue. Alaska CAP located a female dog musher who had departed Kotzebue several days earlier on a solo journey of more than 500 miles to Barrow. She had become ill with the flu and had taken shelter in an abandoned building at deserted Cape Thompson. When she became unable to continue her journey she had activated her ELT. When found she was experiencing the onset of hypothermia in addition to the flu. She was returned to Kotzebue.

PLANE CRASH

Virginia. A Cessna 172 with two persons on board was reported overdue on a flight from Dulles International Airport, D.C., to Norfolk International Airport, Virginia. Virginia CAP located the crashed aircraft in the vicinity of Norfolk and the state police used an ambulance to recover one survivor and one deceased.

ELT SAVE

Colorado. Colorado CAP was alerted by the Air Force Rescue Coordination Center to investigate an ELT signal being heard in the Alamosa, Colorado area. The signal was traced to a Cessna 182 which had crashed within ¼ mile of the Alamosa-Bergman Airport. Two survivors were recovered and taken to the Alamosa Community Hospital.

MERCY MISSION

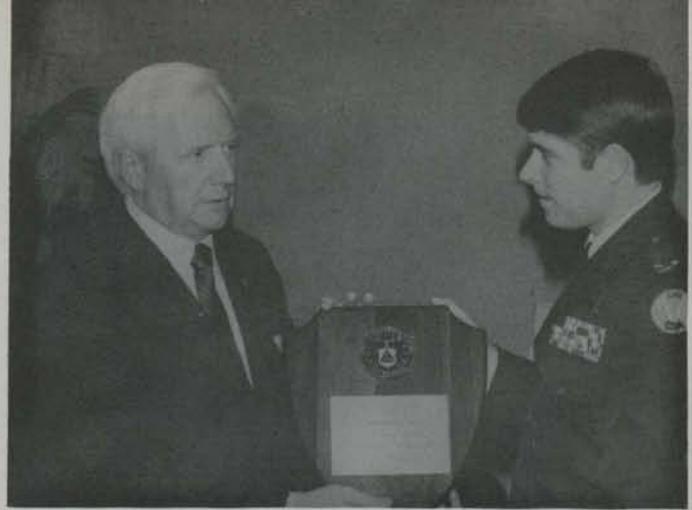
Texas. At the request of the Coronado Community Hospital in Pampa, Texas, Texas CAP delivered 10 units of blood platelets from Amarillo to Pampa for use in the treatment of a patient suffering from rattlesnake bite.



Utah Best. This Utah group was named the "Best Ground Team" in competition with teams from the other four wings participating in the 1984 Rocky Mountain Region Search and Rescue Competition and the "Best Ground ELT Search Team" while representing the Rocky Mountain Region in competition with teams from the seven other regions in the 1984 National Search and Rescue Competition. Left to right: Lt Col M.G. Mladejovsky, Cadet Norm Robinson, Capt David L. Oliphant, Cadet Andreas K. Wesemann, and Cadet Mark Hayes.



State Exercise. Cadets Richard Anderson, left, and David Chinik of Washington's Paine Field Composite Squadron performed flight line duties during a Washington Wing training exercise. The statewide activity provided essential training in all emergency services mission specialties.



Senator's Support. Iowa Senator Roger W. Jepson was presented a Civil Air Patrol plaque by Iowa Wing Commander James L. Black in appreciation of his support of CAP legislation. Senator Jepson led the 1983 effort in the Senate that resulted in new legislation to increase FECA benefits for the families of CAP members killed or disabled during the performance of USAF authorized emergency services missions and was a cosponsor of the 1984 CAP Supply Bill legislation that expanded Air Force support of Civil Air Patrol.

AIRCRAFT ACCIDENT

California. A Grumman Tiger with two persons on board was reported missing while enroute from San Diego to Monterey. California CAP located the crashed aircraft and a CAP ground vehicle recovered the two survivors and delivered them to the Carmel Community Hospital in Monterey.

THREE SAVED

New Jersey. A beechcraft Bonanza with three persons on board was reported missing while enroute from Myrtle Beach, South Carolina to Whiting, New Jersey. New Jersey CAP located the crashed aircraft and ground teams recovered three injured survivors and transported them to local hospitals.

MISSING AIRCRAFT

North Carolina. A light aircraft enroute from Conway, South Carolina to Beaufort, North Carolina with one person on board was reported overdue. North Carolina CAP located the downed aircraft and the pilot was recovered by a Marine Corps helicopter and delivered to the Cherry Point Hospital.

SNOWMOBILER SAVED

Alaska. A snowmobiler was reported overdue on a trip from Kotzebue to Shishmaref, 535 miles northwest of Anchorage. Alaska CAP at Kotzebue located the survivor on the beach 15 miles south of Cape Espenberg and returned him to Kotzebue. He had become disoriented in blowing snow and was lost and out of fuel.

INFANT SAVED

Nebraska. The American Red Cross requested the immediate transport of one unit of whole blood for an eight day old boy suffering from internal bleeding. Nebraska CAP picked up the blood at Eppley Airfield in Omaha and delivered it to Grand Island, Nebraska.

SNAKEBITE SERUM

Colorado. The St. Thomas Moore Hospital in Canon City, Colorado requested immediate transport of 16 vials of anti-snakebite serum for a patient suffering from the bite of a rattlesnake and an allergic reaction to "Anti-venom." Colorado CAP picked up the serum at Walsenburg, Colorado and delivered it to Canon City.

GLACIER CRASH

Alaska. A light aircraft with two persons on board was reported overdue in returning from a flight from Fairbanks to Hayes Glacier, 80 miles south of Fairbanks, to pick up a ski party. Alaska CAP located the aircraft upside down on the glacier. An Army helicopter from Fort Wainwright recovered the two survivors and delivered them to Big Delta.

Search Contest. The 1984 North Central Search and Rescue Competition conducted at the Air National Guard Facility in Sergeant Bluff, Iowa involved 150 CAP members from the seven participating CAP wings. Nebraska aircrew members, left to right, Paul Scheerer, Bill Burton and Rich Schmidt study map of search area prior to air search exercise. South Dakota was selected as the best overall performing wing in the competition. (Photo by James Black)





National Competition. The first CAP National Search and Rescue Competition was held on Labor Day weekend at Whiteman Air Force Base, Missouri. The overall winner was the Southwest Region team commanded by Col George Way (top, fifth from left). To his left, Brig Gen William B. Cass, CAP National Commander, and Col O.A. Heeter, Aerospace Rescue and Recovery Service Commander hold the winner's Aviator Trophy. The competition involved teams from each of CAP's eight regions in six phases of search and rescue activities. To win the best overall trophy, the Southwest Region team took four second places and one first place in the competition.

DISASTER RELIEF

Department of Defense Directive 3025.1 allows the use of military resources to assist state and local governments to alleviate the suffering and damage that results from peacetime civil emergencies. Responding to the Department of the Army, the executive agent for military support civil authorities, the Air Force Reserve (AFRES) is assigned overall responsibility for Air Force disaster planning. The AFRES coordinates and directs Air Force response to civil disaster requirements.

As the official civilian auxiliary of the Air Force under Public Law 557, Civil Air Patrol supports Air Force noncombatant missions which include military assistance to civil authorities during peacetime disasters. CAP participation is authorized by one of three AFRES Numbered Air Forces when requested by the Army, as executive agent, or when the situation is deemed as "imminently serious" and requested directly from civil authority. Civil Air Patrol wings have also negotiated memorandums of understanding with individual state Emergency Management Agencies to assist local and state authorities in emergencies that are not of sufficient magnitude to warrant military assistance.

CAP has been cooperating with the Environmental Protection Agency (EPA) in demonstrating the use of the Enviro-Pod to FEMA, military and state Emergency Management officials. The Pod, suspended from a light aircraft, contains two 70mm cameras which can be used to record the results of a disaster. Several states are working with CAP to use the Enviro-Pod to document pollution hazards. Several CAP wings have also developed and are using airborne TV transmission equipment which allows a disaster to be viewed live by state disaster offices.

CIVIL PREPAREDNESS AND DOD SUPPORT

Civil preparedness is an integral part of national security and is an essential element of the U.S. deterrent posture. Accordingly, the Joint Chiefs of Staff are authorized to call upon the military services for resources needed to support civil preparedness. CAP, as the official Air Force auxiliary, can become a valuable resource to the Air Force and DOD in assisting with this mission. CAP has coordinated with the Federal Emergency Management Agency (FEMA), Federal Aviation Administration (FAA), U.S. Readiness Command, and other DOD agencies to develop plans for supporting civil and military noncombatant requirements. Support includes aerial radiological monitoring, aerial damage assessment, communications, operations support for the State and Regional Disaster Airlift for each state and operational support for AF and DOD agencies.

Civil Air Patrol participated in FEMA-sponsored regional conferences which acquainted civil and military authorities with state and national plans concerning civil and military defense emergencies. CAP also participated in a national joint civil/military exercise designed to evaluate the effectiveness of plans and operations under Military Support of Civil Defense (MSCD). CAP demonstrated its ability to support military requirements in its own exercise "Friendship," by providing information to airborne Strategic Air Command (SAC) aircraft, backup communications connectivity for SAC, backup communications for the North American Air Defense Command (NORAD) alert system, site evaluation for the Continental U.S. Airborne Reconnaissance for Damage Assessment (CARDAS) system, and aerial transport support to SAC, AFLC, and NORAD in moving critical supplies and classified materials.



Staff School. The Louisiana CAP Wing conducted an emergency services mission staff school at Baton Rouge. Karen Guerra, Ray Down and Ed Junk were trained as mission staff members during a "table top" mission exercise. The school provided standardized training for both practice and actual missions. (Photo by Charlotte Wright)



Legislative Support. California Congressman Ronald V. Dellums received a Civil Air Patrol plaque from CAP Pacific Region Commander Col Warren J. Barry. The presentation was made to express appreciation for the Congressman's support of legislation to increase FECA benefits for CAP members and to expand Air Force support of CAP under the CAP Supply Bill. (Photo by Dennis Matrese)

SARSAT PROJECT

Civil Air Patrol provided extensive support for the Air Force testing of the Search and Rescue Satellite-Aided Tracking (SARSAT) system by placing and activating test beacons at selected sites throughout the continental United States and Alaska. The SARSAT system is a joint effort of the United States, Canada, France, and Russia to use satellites to improve the capability to locate ships, aircraft and hikers in distress. SARSAT uses satellites in low, near-polar orbit to monitor for distress transmissions from ELTs which are relayed from the satellites to local user terminals to precisely fix the location of the emergency.

For the second year, CAP aided the SARSAT system test Program. First, two aircraft each from the Florida, Colorado, Washington and Alaska wings, and one from the Arizona Wing were modified with a new generation prototype ELT. The new ELT, through use of state of the art technology, should decrease or eliminate false activations that currently plague the search and rescue system. At various locations in the United States, CAP wings activated a portable field unit of the prototype ELT to measure the system coverage, accuracy, and reliability.

The SARSAT system was used to locate and save over 170 individuals during 1984. Non-distress emergency transmitters have also been located with great accuracy. When fully operational, the system will be a tremendous aid to the CAP search and rescue mission.

Tough Training. The annual Pararescue Orientation Course for CAP cadets was conducted in the Pecos Wilderness near Kirtland AFB, New Mexico. The week-long course was sponsored by the 1550th Aircrew Training and Test Wing at Kirtland. Cadets were provided survival training to include overland hikes, fire building, rappelling, rock climbing and rescue techniques.



AIR FORCE PARTS AND PERSONNEL TRANSPORT

A limited Civil Air Patrol activity, the transporting of aircraft parts, personnel and other required items is benefiting both CAP and the Air Force. Many Air Force bases serve as central supply points or have satellite operations at nearby bases. When there is an immediate need for this support, CAP can transport the required items, allowing combat aircraft to maintain operational status without the delays of scheduled transportation and without wasting valuable aircrew training time. During CY 1984, Alabama, Alaska, New Hampshire, New York, Indiana, Washington and Maine wings flew support missions for Air Force bases in their states.

In a support operation similar to this, CAP wings have agreements with Air Force Military Airlift Command (MAC) bases to transport data automation packages to other bases for processing in cases of electrical power outages. This important service has been performed for the Air Force on several occasions.



Special Airfare. CAP National Commander William B. Cass, right, met with Dennis Collins of Ozark Airlines in St. Louis where Collins announced that Ozark Airlines had granted a special discount airfare for CAP members. The special rate entitles CAP members to 30 percent off the standard coach fare on confirmed reservations on all Ozark routes. Collins said that the new fare was Ozark's way of recognizing the great humanitarian service that CAP performs for the country. (Photo by Bobby Blanter)

MILITARY TRAINING ROUTE SURVEYS

CAP works to assure the safety of Air Force and Reserve Force aircrew members by helping survey military low-level flight training routes for hazards and environmental factors. The FAA has established military training routes to allow military pilots to practice low-level bomb runs and reconnaissance missions. The routes enable a realistic yet safe mission with the least possible environmental impact.

To assure the continued safety of these routes, the FAA requires aerial visual surveys for obstructions and other hazards. The survey must be flown below 1,000 feet, once down the center and once along each side. Strategic Air Command (SAC) and Tactical Air Command (TAC) have in the past used more expensive commercial light aircraft and pilots to carry personnel to perform these surveys. Now, where possible, SAC and TAC units have turned to CAP to fly the routes. During CY 1984, 60 training routes were surveyed.



Red Cross Visitors. Dr. Harold T. Meryman, third from left, and Ms. Barbara G. McKeever, American National Red Cross Blood Services representatives, talked with CAP National Administrator Carl S. Miller, right, and CAP legal Counsel Tom Handley during a visit to CAP National Headquarters at Maxwell AFB, Alabama. They discussed possible future working relations between the two organizations involving airlift of human organs and tissues. (Photo by Rand McNatt)

COMMUNICATIONS

The Civil Air Patrol, with its nationwide communications system consisting of approximately 29,000 fixed, ground mobile, airmobile, and repeater stations, provided impressive support to various DOD and federal agencies. During CAP exercise "Friendship," part of a national "Night Train 84" exercise, the CAP communications network provided professional message traffic support to the Strategic Air Command (SAC), North American Air Defense Command (NORAD), and the Air Force Logistics Command (AFLC). In support of SAC, CAP high frequency (HF) operators accurately relayed 15 messages and responded to radio communications checks from numerous B-52 and KC-135 aircrews during the two day exercise. In support of NORAD, CAP HF and very high frequency (VHF) operators relayed 24 messages and successfully scrambled and recovered a flight of interceptor aircraft. In support of AFLC, CAP established an HF communications link from AFLC Headquarters to designated operating locations across the United States. Throughout the year, CAP communicators continued to support the National Communications System (NCS) by providing operators at designated locations to exercise the reconstitution of the national command authority network in the event of a national emergency. These ongoing "Night Tango" exercises are scheduled approximately every 6 weeks. CAP communications continued its outstanding fulfillment of responsibilities in search and rescue and national disasters by providing a vital communications link between aircraft, ground search teams, and command centers. CAP communications networks were activated daily with initiation of the National Command Net between National Headquarters and CAP Regions, thus enabling positive coverage to the lowest echelon. These operations once again demonstrated that CAP radio networks can be interfaced with other agencies to provide an effective and cohesive nationwide communication system.

CAP NATIONAL SEARCH AND RESCUE COMPETITION

On Labor Day weekend CAP conducted its first national search and rescue competition at Whiteman AFB. Highly Qualified teams from each of the eight CAP regions competed in both air and ground search events. Competition events included air search for a simulated crashed aircraft and an aircraft emergency locator transmitter (ELT), ground search for a lost person and an aircraft ELT and a first aid evaluation. The two-day competition culminated in each CAP region winning at least one event and the Southwest Region taking first place honors. The participants were enthusiastic and a great deal of valuable information was passed between the contestants.



Competitors Prepare. Oklahoma Wing SAR team members, left to right, George Vuglar, Roy Carman, and Charles Irmiter prepare for their first preflight briefing during the Southwest Region Search and Rescue Competition held at Abilene, Texas in July. The Oklahoma Wing was credited with the Best Mission Coordinator team in the competition. (Photo by Rand McNatt)

AEROSPACE EDUCATION

The Civil Air Patrol aerospace education program objective is to provide an understanding of the aerospace world and its importance to our society today. This is accomplished through a two-prong approach—first to educate our own memberships, both senior and cadet, and secondly to educate the American public using programs provided through formal education institutions.

During 1984 the Aerospace Education Program for Senior Members (AEPsM) continued to grow. More than 2,500 CAP senior members have now completed the program. Regional programs to provide formal instruction on AEPsM were initiated in the Southwest and Southeast Regions with great success. The "Leadership by Example" concept was expanded to include all CAP squadron commanders and by the end of 1984 more than 75% of all squadron commanders had completed the program.

Another highlight of 1984 was the Civil Air Patrol involvement in the "Young Astronaut Program"—a new national initiative in education launched by President Reagan in 1984. The Great Lakes Region Civil Air Patrol has sponsored schools in each of its six states to participate as pilot schools in the program. Many CAP-produced aerospace education materials are being used to supplement the Young Astronaut Program curriculum in these test schools.



Education Seminar. CAP Capt Ruth G. West leads a seminar during the 17th annual National Congress on Aerospace Education held in Houston in early April. The highly successful activity was attended by 700 educators, aviators and exhibitors. (Photo by Bill Odom)

NATIONAL CONGRESS ON AEROSPACE EDUCATION

The seventeenth National Congress on Aerospace Education was held in Houston, Texas, 5-7 April 1984. More than 700 teachers, counselors, school administrators, business and industry leaders, aerospace dignitaries and exhibitors attended the meeting. The Congress is cosponsored by the National Aeronautics and Space Administration, the National Air and Space Museum, the Federal Aviation Administration, and Civil Air Patrol. The Congress is designed to promote an understanding of aerospace throughout the nation and motivates participants to inform the public about the impact of aerospace on every aspect of our society. It provides an excellent way for establishing aerospace education as a curriculum element in the schools of our nation.

The meeting opened with Presentation of Colors and introductions by Mistress of Ceremonies, Ms. Janet Wolfe of the Goddard Space Flight Center in Washington. The group was welcomed by Lt Gen Charles Cleveland, the Commander of Air University.

Aerospace Congress. Dr. Hans Mark, left, Deputy Administrator of NASA and former Secretary of the Air Force, talks with some of the attendees during a break in activities at the National Congress on Aerospace Education held in Houston, Texas on 5-7 April. The annual event is cosponsored by the Federal Aviation Administration, National Aeronautics and Space Administration, National Air and Space Museum and Civil Air Patrol. (Photo by Bill Odom)



Space Experiment. CAP Flight Officer Dave Prince and Utah Wing Commander John Barainca inspect the micro gravity seed germination chamber that was launched on 6 February 1984 aboard the Challenger Space Shuttle. Under its "Get Away Special" program, NASA had invited schools, individuals or industry to design self contained scientific projects for flight in the shuttle payload bay. As an Aerospace Science teacher at Brighton High School in Salt Lake City, Barainca and several students including David Prince designed the germination chamber with a camera system to photograph the germination and growth of radish seed. Unfortunately, a malfunction in the turn-on mechanism prevented experiment activation. However, arrangements were made with NASA for the experiment to be included in the payload of a later shuttle flight.



The next two and one-half days were filled with much aerospace excitement. Since the meeting was held in the space city of Houston a one-day field trip was held at the NASA Johnson Space Center where the participants heard briefings by key Center personnel and toured the facilities. Among the presenters was Astronaut Dr. Story Musgrave.

Three hours on Thursday afternoon were spent in concurrent sessions where approximately twelve presentations were delivered simultaneously. These presentations covered "hands-on" activities in the classroom ranging from kindergarten through postgraduate. Attendees could select the two of their choice and attend.

Some of the aerospace dignitaries who participated were Brig Gen Charles "Chuck" Yeager, USAF Ret, first man to break the sound barrier; Col Francis "Gabby" Gabreski, USAF Ret, America's top living ace; and Mr. Scott Crossfield, X-15 pilot. An informally structured segment with these men provided an interesting and informative meeting with the participants.



Wright Award. Colorado CAP Wing Commander Harry E. Kouts, right, was presented the Colorado Wright Brothers Memorial Foundation Award by retired Air Force Brig Gen James C. Hall. The presentation was made at the Colorado Hall of Fame Banquet sponsored by the Colorado Aviation Historical Society and held at the U.S. Air Force Academy. (Photo by Bill Madsen)

Other elements which rated very high on the program were presentations by Dr. Hans Mark, Deputy Administrator for NASA; Maj Gen Carl N. Beer, Deputy Chief of Staff, Plans, USAF Space Command; Dr. Larry Bell of University of Houston; Mr. Bill Shea of FAA and an animated "Mr. Shuttle" presentation by Robin Egbert of California.

Another highlight of the Congress was the Crown Circle Award ceremony, recognizing outstanding achievement in the aerospace arena. Four new inductees were honored: Carl E. Guell, Dorothy P. Warren, John V. Sorenson, and Donald T. Heiman.

The 1985 National Congress on Aviation and Space Education (name changed effective 1985) will be held at the Riviera Hotel, Las Vegas, Nevada, 21-23 March.



Proud Parents. Cadet Lester E. Preston of Florida's MacDill Cadet Squadron received the General Carl A. Spaatz Award from Air Force Brig Gen David L. Patton then CAP-USAFA Commander and CAP Executive Director. Lester's parents, CAP Captains Susan and Lester Preston witnessed the presentation of CAP's highest cadet award. Preston attends Embry Riddle Aeronautical University and is active in the Air Force ROTC.

AÉROSPACE EDUCATION MATERIALS

The basic textbook used by the cadet program underwent revision during 1984. The new textbook is titled "Horizons Unlimited" and includes more learning activities and smaller, easier to understand blocks of study. The new textbook will be available to cadets early in 1985.



Anniversary Award. Lt Col William D. Madsen of the Rocky Mountain Region headquarters staff was presented the Frank G. Brewer Memorial Aerospace Anniversary Award by Frank G. Brewer, Jr., during the CAP National Board Meeting in Atlanta. Madsen, an early member of Civil Air Patrol, was dressed in his World War II vintage CAP uniform. (Photo by Rand McNatt)



CAP Recruiter. Retired Air Force Brig Gen Chuck Yeager, center, is provided guidance by recording technicians during the production of a series of Civil Air Patrol radio and television recruiting spot announcements. General Yeager, the first man to fly faster than the speed of sound, donated his time to CAP for the production of the spots at Edwards AFB, California. (Photo by Henry Safold)



Citizen Award. Atlanta Braves baseball team owner Ted Turner was presented Civil Air Patrol's first annual Citizen of the Year Award by CAP National Commander William B. Cass. Turner was selected for the award because his leadership and accomplishments in many fields of endeavor exemplify the role model that the youth of America need during these challenging times. Also participating in the 3 August ceremony in Atlanta were CAP National Vice Commander Larry B. Miller and CAP Legal Counsel Thomas A. Handley. (Photo by Rand McNatt)

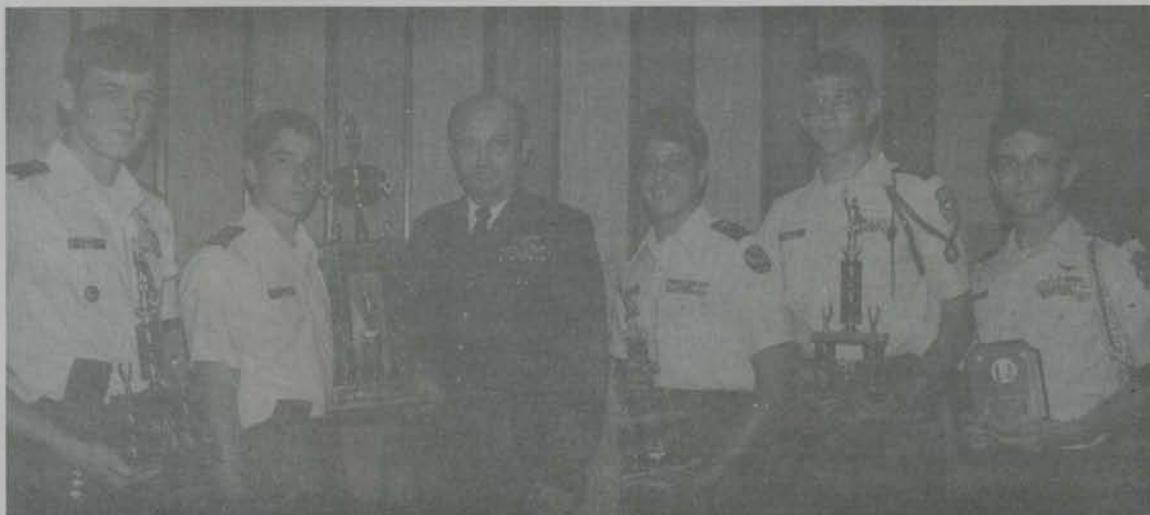
AEROSPACE EDUCATION WORKSHOPS

Civil Air Patrol's most important contribution to aerospace education continues to be its support of teacher training through aerospace education workshops. The purpose of the workshop program is to provide attendees with a basic knowledge and interest in aerospace which will be included in their teaching upon return to the classroom or school system.

Civil Air Patrol, in cooperation with colleges and universities and individual school systems, supported 207 graduate-level workshops in 40 states and Puerto Rico in 1984. Approximately 5,000 educators attended these projects.

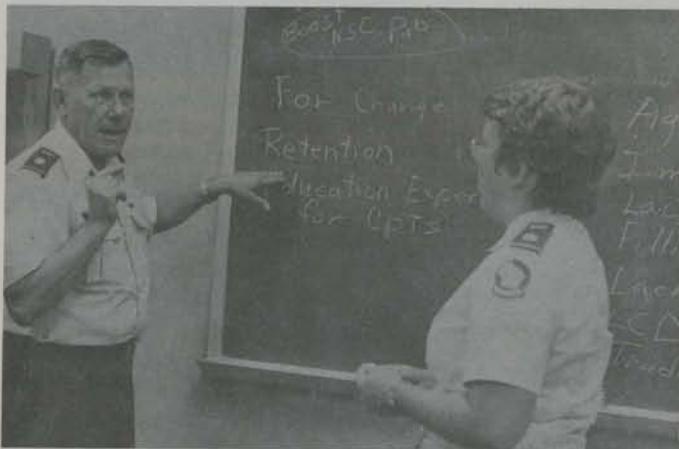
Civil Air Patrol provided advice, assistance and support in developing curriculum according to the requirements of the host institution. Air Force support was provided by Air Force Reserve personnel on active duty tours who provided liaison and instructional support to workshop directors. In some cases,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

Cadets Recognized. Air Force Col John T. Massingale, Jr., CAP-USAF Commander and CAP Executive Director, presented awards to cadet winners during the 1984 Cadet Officer School graduation banquet. From left; Kevin Ellison, third place Speech Award; Mat Zelnik, Outstanding Cadet; Colonel Massingale; Harry Maguzu, first place Speech Award; Parker Shipley, second place Speech Award; and Kevin Higginbotham, Best Essay Award. (Photo by Mike Mickelson)



SENIOR MEMBER TRAINING

The objective of the Senior Member Training program is to identify training needs and develop programs which enable senior members to more effectively support Civil Air Patrol. Because Civil Air Patrol attracts a diverse group of members with varied education and skills, a strong and standardized training program is a necessity. Members are trained to work with other senior members, support the cadet program, and develop specialties required for the emergency services mission. Ancillary training for members also includes those skills required to accomplish the day-to-day squadron tasks—such as personnel, administration, logistics, and finance. Because of the volunteer nature of the organization, senior member training is a continuing process and is organized into five levels.



School Seminar. Seminar participants Harold Bueneman and Libby Curry were among the 53 CAP senior members to complete the 1984 Civil Air Patrol National Staff College held at Maxwell AFB, Alabama. The ten-day course provided advanced leadership and management training for wing and region command and staff personnel. The Staff College received outstanding support from Air University's Professional Military Education schools through use of their facilities and faculties. (Photo by Mike Mickelson)

Level I. CAP Orientation Course (Membership Award)

The Level I CAP Orientation Course consists of two parts. The first part provides basic information on the history and organization of CAP, career development programs, activities, CAP customs and courtesies, proper wear of the CAP uniform, and leadership and management principles through a kit of materials known as the Senior Member Handbook. Each senior member is provided this material upon joining. The second segment of the course is a newly revised slide/tape presentation which reinforces the basic instruction areas.

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

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



AFA Award. Maj Gerald H. Krueger of the CAP Wisconsin Wing was presented the Air Force Association's award for the Civil Air Patrol Senior Member of the Year by retired Air Force Maj Gen Daniel F. Callahan, a national director of AFA. (Photo by Rand McNatt)

CAP Squadron Leadership Schools are conducted locally to augment training in Level II specialties. In these weekend schools, members are provided a working knowledge of all specialties and are given in-depth instruction in the specialty of their choice. Upon completion of a technician rating, the senior member is awarded the Leadership Award Ribbon. Members also learn to handle certain CAP-unique leadership and counseling situations as well as receive instruction on planning unit meetings and activities. Perhaps as important as the course itself is the opportunity for members from the same geographical area to become acquainted. This often results in more cooperation between units in developing and conducting activities.

In addition to the CAP conducted training, Senior members may also enroll in a CAP Officer Course administered by the Extension Course Institute (ECI) at Gunter Air Force Station, AL.

Safety Officer. Capt Gary E. Summerskill of the CAP Kansas Wing was presented the CAP Safety Officer of the Year Award during the CAP National Board Meeting in Atlanta. Air Force Col John T. Massingale, Jr., Commander of CAP-USAF and Executive Director of Civil Air Patrol made the presentation.





A simulated air crash and disaster drill conducted on 25 April at Los Angeles International Airport involved over 1,000 people including staff members from more than a dozen city, county, and federal emergency agencies, airline personnel, and operators of helicopters, crash fire equipment, ambulances and ten hospitals. At the request of Mr. John Smith, airport superintendent and coordinator of the exercise, the California CAP Wing provided 92 cadet and senior members to act as casualties in the simulated crash of an American Airlines B-747 jet. Colonel

Robert G. Rubens, Chairman of the CAP National Safety Committee, briefed the CAP volunteers on their role and critiqued the exercise for airport management. The exercise revolved around first aid treatment and transportation of casualties by helicopter and ambulance to the ten participating hospitals. The successful drill was conducted to meet Federal Aviation Administration requirements for the periodic testing of emergency procedures of responsible agencies.

The Southwest Region Search and Rescue Competition was conducted at Abilene Municipal Airport on 13 July. Two aircrew teams and one mission coordination team represented each of the six CAP wings in the competition. Arizona team members (left to right) Capt Phyllis Lorens, 1st Lt Lucy Enos, and Capt

Martha Morris were provided a preflight briefing by Maj Jim Findley (USAFR), left. Arizona finished first in the Emergency Locator Transmitter search portion of the exercise and was first runner-up in the overall competition. (Photo by Rand McNatt)





The 1984 CAP Illinois Wing Flight Encampment at Charleston, Illinois provided flight training for 70 cadets. Thirty were trained in gliders, 28 in powered aircraft and 12 in hot air balloons. The program was supported by 60 adults including CAP senior

members, Air Force Reservists and FAA instructors. Above, Cadet John Gutzmacher conducts pre-flight inspection of aircraft and below, glider under tow for take off.

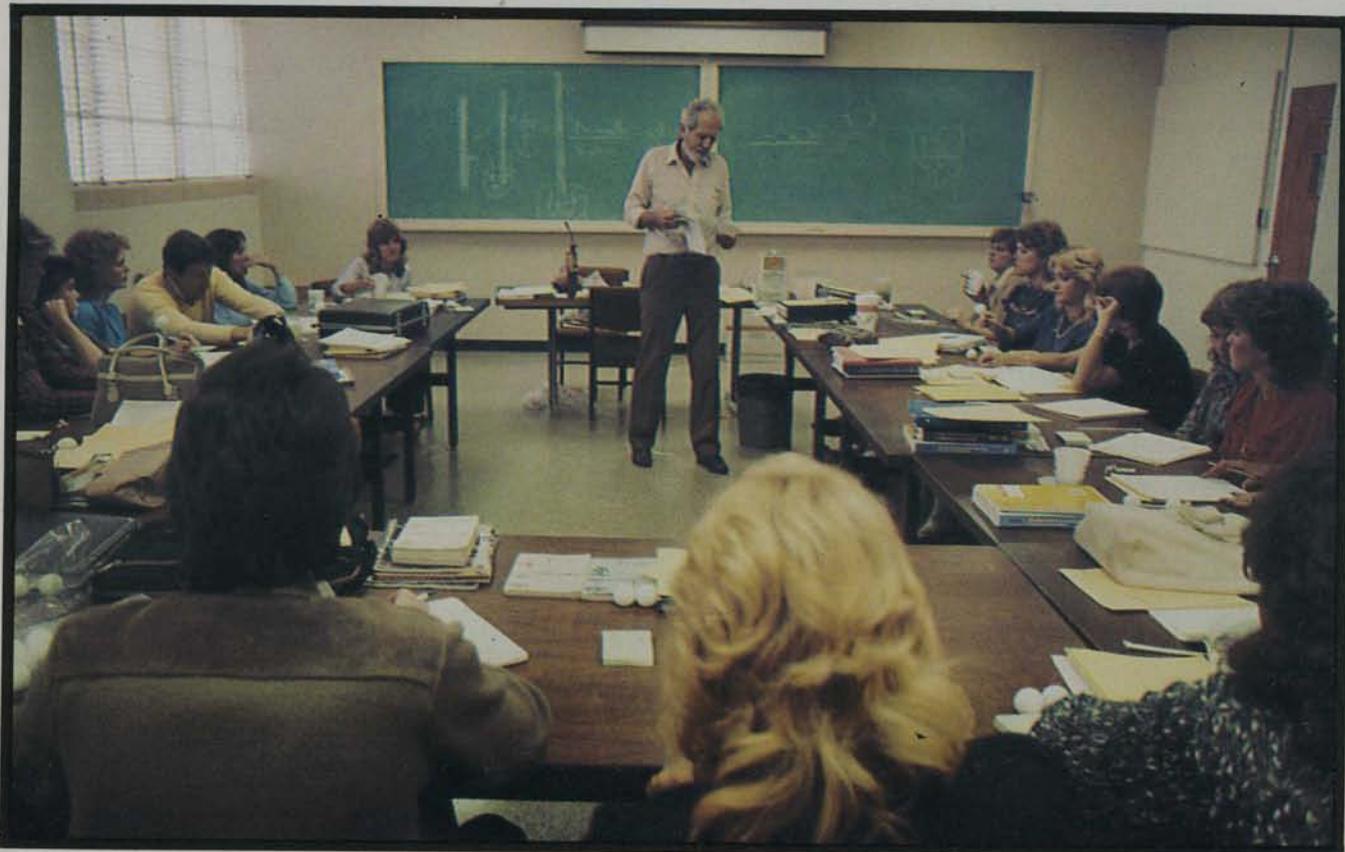




The 20th annual "Blue Beret" encampment was conducted in July and August with 154 CAP cadet and senior members attending. The activity was commanded by CAP National Commander Brig Gen William B. Cass. The first week was spent at Volk Field, Camp Douglas, Wisconsin. Training at Volk Field covered first aid, ground search, communications, survival techniques and flight line operations. In the second week the encampment was moved to Wittman Field in Oshkosh, Wisconsin where the training was applied in support of the Experimental

Aircraft Association Fly-In Convention and Air Show. Blue Beret members assisted in flight line parking, crowd control, ground search and rescue, and manned two rescue boats on a nearby lake. Above, Cadet Steven Boltz of the Minnesota Wing provides parking assistance to one of the 14,000 aircraft that landed at Wittman Field during the event. Below, Lt Vyrl Mackey (left) and General Cass check out a rescue boat that was manned by CAP members in the event of an accident on Lake Winnebago. (Photos by Mary Lou Gajdoski)





One of the missions of Civil Air Patrol is to provide programs for the aerospace education of American citizens. To achieve this objective CAP conducts both internal and external aerospace education programs. The internal program is for the benefit of CAP members while the external program contributes to the aerospace knowledge of the general public. Basic to the external program is the "teaching of teachers". In cooperation with colleges and universities in 40 states and Puerto Rico, Civil Air

Patrol supported 207 graduate-level aerospace education workshops attended by approximately 5,000 teachers in 1984. One such program was the workshop conducted by Georgia State University under the direction of Dr. Ted Colton (above, standing). Typical of workshop attendees was Mrs. Carol Hickson (below, center) of Fernbank Science Center in Atlanta who adapted aerospace knowledge gained in the workshop to her teaching techniques. (Photos by Rand McNatt)



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

Central to Level III training is the Corporate Learning Course. The training is conducted over a weekend and concentrates on the provisions of specified CAP regulations, pamphlets, and manuals. It is designed to provide senior members with the practical knowledge necessary for squadron management. The course was introduced as part of the Senior Member Training Program in September 1983. To complete Level III, members must hold a command or staff position for one year, advance to the senior rating in the specialty area begun in Level II, and participate in CAP activities above squadron level.



Command Change. Air Force Col John T. Massingale, Jr., center, accepted command to HQ CAP-USAF from Air University Commander Lt Gen Charles G. Cleveland. Brig Gen David L. Patton, right, relinquished command of the organization during change of command ceremonies on 31 May at HQ CAP-USAF, Maxwell AFB, Alabama. (Photo by Rand McNatt)

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

Command and staff training is designed to prepare senior members for high level leadership in CAP. Members at this level are expected to represent CAP in their communities. Presentations before local civic clubs, church groups, and governmental agencies are examples of this representation. Members must also attend a one-week staff college normally conducted yearly in each of the eight CAP regions. The college provides training in communicative, leadership, and management skills to squadron level command staff officers. Over 300 senior members graduated from region staff colleges in 1984. Members must also take a more active role in CAP national, regional, or wing events and continue their service in a command or staff position.

Level V. Executive (Gill Robb Wilson Award)

Senior members at this level must assume more responsibility for CAP activities. They are required to serve as a staff member in one of the CAP training programs and to continue in a unit command or staff position. They attend the ten-day National Staff College (NSC) conducted annually at Maxwell AFB, AL. The college provides advanced leadership/management training, an insight into international affairs and higher awareness of CAP policies at the national level. The NSC makes extensive use of the facilities and faculties of the USAF Air University's Professional Military Education schools. Both graduate and undergraduate academic credit are available for completion of the college. During 1984, 69 senior member staff and faculty participated in this college.



Congressional Reception. Congressman Jim Wright of Texas, House Majority Leader (center) hosted a pentagon reception for the Secretary of Defense and other high ranking Defense Department and military service officials. Among the invited guests were CAP National Administrator Carl S. Miller (left) and CAP Legal Counsel Tom Handley.

Specialized Mission Training

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

- **National Search and Rescue (SAR) School.** The National SAR School is designed to enhance the professionalism of SAR mission coordinators. In 1984, 26 CAP personnel attended the one-week course conducted by the USAF and USCG at Governor's Island, New York. An additional school was conducted at Maxwell AFB, Alabama, for 30 CAP members.

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

● **Mission Training Exercises.** Emergency service training and upgrading programs are conducted by each Civil Air Patrol wing to improve both the skills of individual members and the effectiveness of the organization as a team. Each wing also conducts annual disaster relief and search and rescue test exercises which are monitored by Air Force evaluators. The tests are used to determine the effectiveness of CAP wing training programs and wing capability to respond and satisfactorily execute any mission it may be called upon to perform. An important side benefit of test exercises is training gained through the opportunity provided to practice mission skills under realistic conditions.

● **Flight Clinics.** Civil Air Patrol promotes flight safety by providing financial assistance to CAP pilots who attend a flight clinic sponsored by the Civil Air Patrol and sometimes in association with the Federal Aviation Administration, Aircraft Owners and Pilots Association or other flight safety organizations. The clinics include ground instruction in essential subjects such as flying safety, FAA regulations, emergency procedures, flight planning, and aviation weather. Participants also demonstrate safe aircraft piloting skills to an FAA-certified flight instructor or a qualified CAP check pilot during the clinic.



Command Support. CAP-USAF Commander Col John T. Massingale, Jr., was presented a special plaque in appreciation of his support of the 1984 CAP National Staff College. The presentation was made by CAP Col Bradford L. Sharp, Nevada Wing Commander and Staff College Director. (Photo by Mike Mickelson)

● **Federal Emergency Management Agency (FEMA).** FEMA is the central point of contact within the federal government for emergency management, from local disasters to nuclear war, and extends through all levels of government and the private sector. A revised aerial radiological course and a new aerial damage assessment course are being developed by FEMA, which will greatly enhance the CAP emergency services capability to support civil defense operations. Consideration is also being given by FEMA to include CAP in future selected national-level civil defense exercises.



Search Competition. New Mexico SAR Team members Norman Elliott and Larry Teller complete their preflight checklist prior to participating in the Southwest Region Search and Rescue Competition. New Mexico's aircrew team placed first in the grid search phase of the exercise. (Photo by Rand McNatt)

● **Communication Training.** Annual communications schools are conducted by the CAP Northeast Region at Kutztown State College, Kutztown, Pennsylvania, and by the Great Lakes Region at Rickenbacker AFB, Ohio, Columbus, Ohio. The schools are open to senior and cadet members and provide training in communication procedures and techniques that qualify attendees for CAP Communications Officer positions in their CAP unit of assignment.

The Radio Operator Permit Course is the first level of study offered. The student receives classroom instruction prior to taking the Civil Air Patrol Radio Operator Permit Test. At the second level of study, management courses are taught and students receive instruction and guidance in carrying out the responsibilities of unit Communications Officer. The third level of study is a basic electronics course with Air Force ECI books used as study references. The fourth level of study is an advanced electronics course where complicated electronics equipment, antenna characteristics, and electronics theory are studied.

Best Wing. Col John P. Ratcliff accepted the "Top 8 of the 80's" Award which recognized West Virginia as the best wing in the Middle East Region and "Number One In The Nation" under the Civil Air Patrol Management Analysis Program (CAP-MAP). Then CAP National Commander Howard L. Brookfield presented the award at the CAP National Board Meeting in Atlanta. (Photo by Rand McNatt)



CAP CHAPLAINCY

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

In addition to performing a specialized and vital role as personal counselor/chaplain to each CAP member and providing a chaplain ministry and presence in search and rescue missions, encampments, and memorial and patriotic observances, one of the most crucial areas of ministry for CAP chaplains is conducting the moral leadership program for the Civil Air Patrol cadets. The ultimate goal of the moral leadership program is to equip America's youth, and hopefully, future leaders with a deep sensitivity and strong commitment to moral, spiritual, and patriotic values. A new edition of the "Values For Living" pamphlet is published each year for use in the moral leadership sessions. These pamphlets contain topics relevant to today's problems and offer guidance to individuals in selecting a good set of values for daily living. During training sessions cadets become involved in raising moral issues, looking at inconsistencies, and avoiding forced or preconceived values. By encouraging cadet participation in moral leadership discussions, the CAP chaplain helps prepare the young cadet mentally and morally to face the world of tomorrow.

Chaplain Cited. Chaplain, Lt Col Royce A. Beacham, right, of North Carolina's Raleigh-Wake Composite Squadron was presented the Thomas C. Casaday Unit Chaplain of the Year Award by CAP National Commander Howard L. Brookfield during the CAP National Board Meeting in Atlanta. (Photo by Rand McNatt)



Chaplain Candidate. CAP Chaplain Donald W. Eubank, right, was given the oath of office as an Air Force Chaplain Candidate by Air Force Capt George Bowen, detachment commander of the Van Nuys Air National Guard. Eubank plans to seek appointment as an active duty Air Force chaplain. He has been a CAP chaplain for more than seven years and is a member of California Squadron Three. (Photo by Dennis Goff)

1984 HIGHLIGHTS

The Casaday-Elmore Ministerial Grant of \$500.00 was awarded to Cadet Jeffery Wadley, CAP, Sevier County Composite Squadron, Tennessee Wing for use toward an education in a ministry-related field.

Ch, Lt Col, Royce A. Beacham, CAP, Raleigh-Wake Composite Sq, NC, received the Thomas C. Casaday Unit Chaplain of the Year Award.

Ch, Lt Col, Harold L. Jarvis, CAP, Pacific Region Wing Chaplain was presented the CAP Chaplain of the Year Award.

Principal speaker at the Civil Air Patrol National Chaplain meeting in Atlanta, GA was Chaplain, Major General, Gerald E. Marsh, USAFR, Chief of Chaplains Office, USAF.

Civil Air Patrol Cadets participated in a USAF sponsored Christian Encounter Conference at Bonclarken Retreat Center, Flat Rock, NC.

Chaplain Award. Col Edward L. Palka (right), former Commander of the Great Lakes Region was presented a gift by Chaplain John A. McClure on behalf of all the chaplains in the Great Lakes Region. Col Palka encouraged and supported the establishment of the Great Lakes Region Chaplains Staff College which graduated its first class in May 1980.



SUPPORT FOR CIVIL AIR PATROL

Congressional Support

During 1984, Congress approved a new Supply Bill amendment that authorized the Air Force to expand its support for CAP by (a) using appropriated funds to purchase light aircraft, vehicles, communications equipment and other mission related equipment (b) using appropriated funds to renovate DOD excess aircraft and other mission equipment (c) using appropriated funds for cadet uniforms, and (d) authorize the Air Force to arrange for the use of other federal agencies services and facilities with the consent of those agencies.

In 1984, Congress provided a substantial increase in the Federal Employees Compensation Act (FECA) benefits for CAP members killed or injured on Air Force authorized missions. Under the original 1956 law, a CAP widow received \$135 per month and a totally disabled member received a maximum of \$220 per month. The new law provides a Civil Air Patrol widow \$774 per month and a totally disabled CAP member a maximum of \$1,135 a month.

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

a. Established Civil Air Patrol as an official civilian

auxiliary of the Air Force and further clarified it for the purpose of determining civil liability as an instrumentality of the United States Government while performing Air Force assigned missions.

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

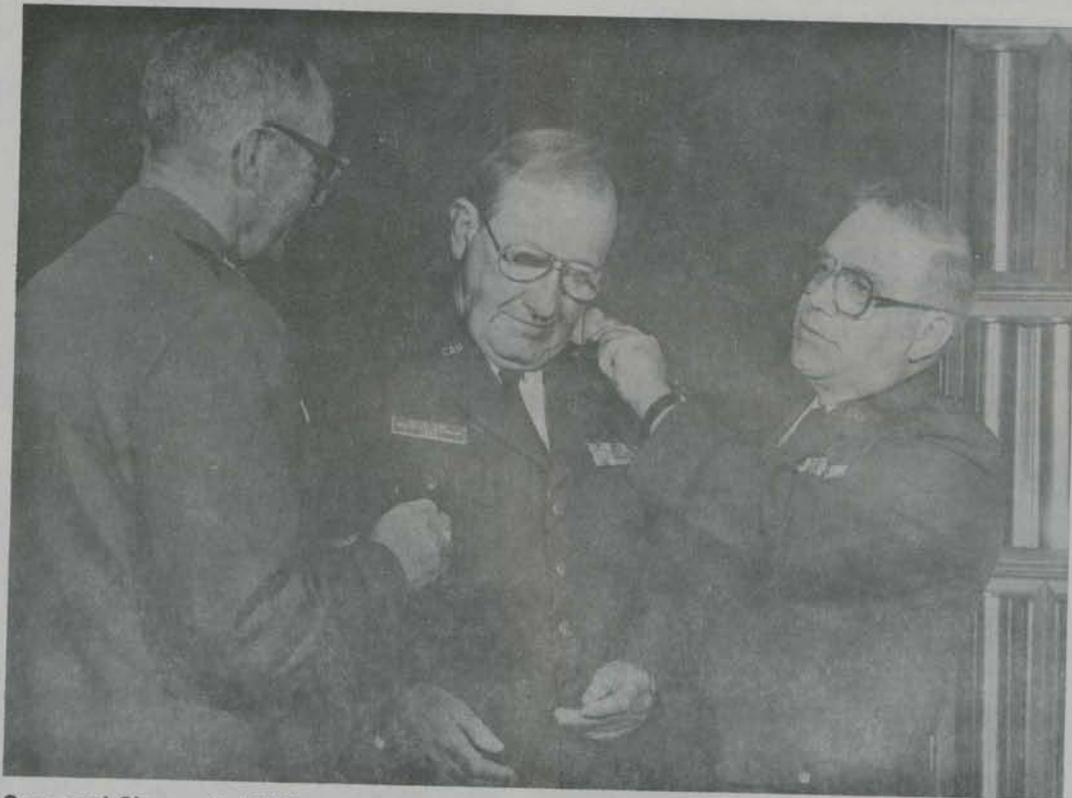
(1) Major items of equipment including aircraft, motor vehicles, and communications equipment.

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

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

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

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



Command Change. Col William B. Cass was elected by the CAP National Board at its August 1984 meeting to replace Brig Gen Howard L. Brookfield as CAP National Commander. Following the election, former National Commander Johnnie Boyd (left) and outgoing National Commander Howard L. Brookfield assisted Col Cass in assuming his new CAP grade of Brigadier General.



Senator Honored. Senator Jennings Randolph of West Virginia and CAP Executive Director Colonel John T. Massingale Jr., at the CAP Congressional Squadron Appreciation Dinner for Senator Randolph. Randolph was a sponsor of the original legislation that chartered Civil Air Patrol as a nonprofit volunteer corporation in 1946 and granted it status as the civilian auxiliary of the Air Force in 1948. He continued thereafter as a strong supporter of CAP and was instrumental in the passage of recent legislation that increased FECA benefits for CAP members and expanded Air Force support of Civil Air Patrol.

Air Force Liaison Support

The Secretary of the Air Force is authorized by Public Law 557 to provide certain support to Civil Air Patrol. Included is the establishment and manning of Air Force liaison offices at national, state, and territorial headquarters of Civil Air Patrol.

The Air Force liaison structure and Civil Air Patrol come together at the Headquarters CAP-USAF/National Headquarters Civil Air Patrol level. The bridge between the Air Force and CAP exist in the person of the CAP-USAF Commander, Colonel John T. Massingale, Jr., USAF. As the senior officer in the CAP-USAF liaison structure, he performs duties in a dual status.

As an active duty Air Force officer, Colonel Massingale directs USAF support of Civil Air Patrol and commands all Air Force personnel assigned to Headquarters CAP-USAF and the eight region and 52 wing liaison officers.

As a private citizen, he acts as the Executive Director of Civil Air Patrol Corporation and is charged under the CAP Constitution and Bylaws with responsibility to manage the day-to-day activities of the corporation. He is also a voting member of the CAP National Board and National Executive Committee. The Air Force staff assigned to Headquarters CAP-USAF supports Colonel Massingale in both functions.

In each of the eight USAF-CAP liaison regions, (which correspond to the eight CAP regions that geographically divide the 50 states, Puerto Rico, and the District of Columbia) an Air Force colonel commands a small Air Force staff in the region office and an officer and noncommissioned officer in each of the USAF-CAP wing liaison offices under his jurisdiction.

USAF-CAP and field liaison personnel serve as implementing agents for policies established by the Commander, CAP-USAF; as field advisors to assist CAP commanders in mission performance; and as liaison control between CAP and federal government resources where facilities, services, equipment, or funds are involved.

Within the Air Force command structure, Headquarters CAP-USAF comes under Air University, commanded by Lieutenant General Thomas C. Richards.

Air Force Reserve Support

Reserve personnel functioning through the Reserve Assistance Program serve as an extension of the CAP-USAF liaison mission. They provide advice and assistance to the CAP program during inactive duty training and on a limited number of temporary active duty tours.

Approximately 400 Air Force Reservists assigned to the CAP program work primarily at squadron and wing or state level. They assist CAP commanders in administration and leadership; serve as flight and search and rescue evaluators; teach aerospace education courses to both CAP cadets and senior members and serve as staff officers and advisors at summer encampments, flight clinics and leadership workshops.

In Fiscal Year 1984, USAF Reservists provided 5,828 mandays of support to the CAP. Reservists also served more than 14,507 mandays of non-paid, or points-only, advice and assistance time.

Non-paid activities included teaching at squadron and wing level; public affairs assistance in media relations and internal communications; and presenting programs to schools, civil groups and other interested organizations.

Reservists used paid mandays to support CAP's cadet officer schools, national staff college, aerospace education leadership development, international air cadet exchange, summer encampments and various search and rescue civil defense activities.

Reservists help CAP members develop recruiting and retention programs; formulate operation, emergency and communications training plans, and assist both CAP and active-duty USAF-CAP liaison personnel in evaluating and inspecting various elements of the CAP program.

The Reserve Assistance Program military structure parallels the active duty USAF-CAP liaison organization within the 52 CAP wings and eight CAP regions.

Illinois Training. The annual CAP Illinois Wing Flying Encampment was conducted at Coles County Municipal Airport in July for 70 Civil Air Patrol cadets. Flight training was provided in powered aircraft, gliders, and hot air balloons. The cadets were housed and provided ground training at Illinois State University at Charleston. Maj Lee Menses, seated, one of six Air Force Reservists supporting the activity, served as a glider ground school instructor. (Photo by Rand McNatt)



STATE SUPPORT

Forty-three states and the Commonwealth of Puerto Rico provided appropriated funds to assist in the operation of their respective Civil Air Patrol Wings during Fiscal Year 1985. The total provided amounted to \$2,768,215. This support is greatly needed and appreciated and will enable Civil Air Patrol to continue and expand its public service missions.

WING	AMOUNT	WING	AMOUNT	WING	AMOUNT	WING	AMOUNT
Alabama	\$ 40,000	Illinois	\$147,000	New Hampshire	\$ 73,731	Rhode Island	10,000
Alaska	690,800	Kentucky	15,000	New Jersey	7,500	South Carolina	\$ 87,258
Arizona	76,300	Louisiana	69,024	New Mexico	76,000	South Dakota	30,109
Arkansas	49,481	Maine	5,000	New York	25,000	Tennessee	65,042
California	103,000	Maryland	30,000	North Carolina	86,623	Texas	22,300
Colorado	143,200	Massachusetts	78,000	North Dakota	51,296	Utah	25,000
Connecticut	16,500	Minnesota	45,000	Ohio	4,000	Vermont	5,000
Delaware	5,000	Mississippi	20,000	Oklahoma	24,101	Virginia	53,600
Florida	50,000	Missouri	7,600	Oregon	5,500	Washington	11,250
Georgia	40,000	Nebraska	15,000	Pennsylvania	200,000	West Virginia	89,000
Hawaii	100,000	Nevada	30,000	Puerto Rico	30,000	Wyoming	10,000

TEN YEARS IN REVIEW

Year	No. Wings	Amount	Year	No. Wings	Amount
1975	33	\$1,230,737	1980	39	\$2,200,623
1976	33	1,391,494	1981	42	2,537,027
1977	34	1,391,013	1982	42	2,622,223
1978	35	1,652,198	1983	39	2,461,246
1979	38	1,823,572	1984	44	2,768,215

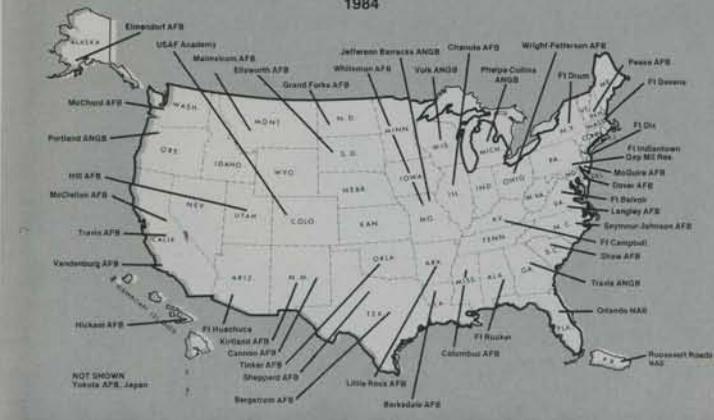
CAP SUPPLY DEPOT

CAP operates a supply depot in Amarillo, Texas to obtain, store and ship aircraft parts to individual wings. All transportation and handling charges are paid by the users of this service. Spare parts are provided for the 45 CAP corporate-owned aircraft, consisting of 43 different makes and models. Parts for the DOD excess aircraft are usually unavailable from other sources. Excess DOD aircraft spare parts are not provided to CAP members for use on privately owned aircraft, but the depot does sell vendor acquired spares to individual CAP members for use on their own aircraft.

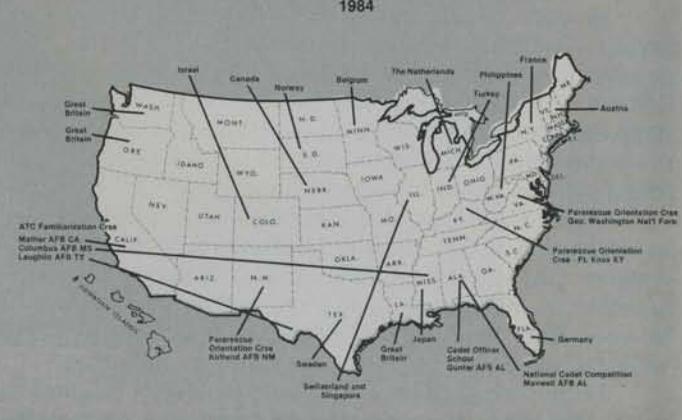
DOD EXCESS PROPERTY

Civil Air Patrol is authorized by Public Law 557 to acquire equipment and supplies that are excess to the needs of DOD. Property acquired during 1984 included aircraft, vehicles, communications equipment, office equipment and other property with an original cost to DOD of \$8,867,127.10. Restoration of aircraft and vehicles to a safe operating condition and modification of aircraft to meet FAA airworthiness standards require the expenditure of the limited funds of the Civil Air Patrol Corporation. DOD agencies identified 15 excess aircraft for transfer to CAP during 1984 as compared to 17 in 1983.

**DOD FACILITIES
CADET ENCAMPMENTS
1984**



**HOST WINGS FOR IACE CADETS
CADET ACTIVITIES
1984**



ASSOCIATION WITH OTHER ORGANIZATIONS

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

Order of Daedalians. This multi-service fraternal organization of military pilots supports CAP through financial contributions for local squadron activities and solo and private pilot scholarships on both the local and national levels. National recipients of \$1,000 scholarships in 1984 were Robert Kirtland of the New York Wing, Houston Hickenbottom of the California Wing and Van A. Wimmer Jr. of the Virginia Wing. The scholarships were used for ground and flight training toward an FAA private pilot certificate.



Highest Award. Cadet Merrill D. Ballenger received the General Carl A. Spaatz Award from Air Force Vice Chief of Staff General Lawrence A. Skantze during a ceremony in the Pentagon. Merrill progressed through the program to earn CAP's highest cadet award during his six years as a member of the National Capital Wing's Mount Vernon Composite Squadron.

Air Force Association. (AFA). The AFA is a long-standing strong supporter of Civil Air Patrol in all three of its basic missions at the national and local levels. AFA actively participates in the National Congress on Aerospace Education and presented a special AFA award to CAP's Senior Member of the Year during the CAP National Board Meeting. AFA also presented a special award to the CAP Cadet of The Year during the 1984 AFA Convention.

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

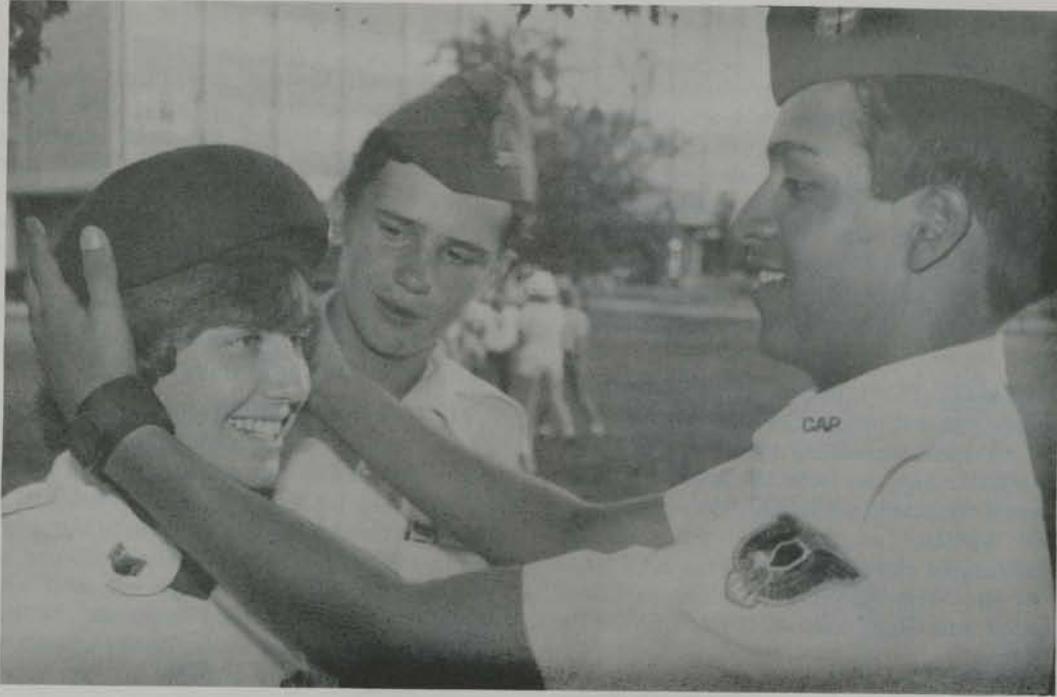
Aircraft Owners and Pilots Association (AOPA). AOPA was founded in 1939 by pilots and aircraft owners who were dedicated to making flying safe, more economical and practical. Many CAP members are also members of AOPA. AOPA members who do not wish to become active members of CAP can now become affiliate members under an agreement between CAP, AOPA and Republic Airlines. The agreement that became effective on 1 October 1982 provides a special air fare discount for AOPA/CAP affiliate members on certain type flights on all Republic domestic routes.

American National Red Cross (ANRC). The Civil Air Patrol and the American National Red Cross continued their close association in support of a human tissue/organ retrieval and transport program whereby CAP will provide transportation for Red Cross technicians to recover human tissue and organs to central processing and distribution centers. Several CAP wings are also assisting the Red Cross in its blood bank program by providing timely transportation of the blood from outlying collection points to central processing centers.

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 mission of Civil Air Patrol and to help ensure that the maximum potential of both organizations to assist persons in need will be realized, a statement of cooperation between the Salvation Army and CAP was adopted in 1973. There has since been a continuing development of this worthwhile association.



Congressional Member. New York Congressman Joseph P. Addabbo, right, was presented a plaque by New York CAP Wing Commander Roy I. Arroll. The presentation was in appreciation of the Congressman's support of an amendment to the CAP Supply Bill which expanded Air Force support of CAP. Mr. Addabbo is a member of the CAP Congressional Squadron.



Flight School. Cadet David Diaz helps Becky Richardson adjust her beret. They and Marty Malec were among the 70 CAP cadets attending the annual Illinois Wing Flight Encampment. Thirty cadets received training in gliders, 28 in powered aircraft and 12 in hot air balloons. (Photo by Rand McNatt)

United States Coast Guard Auxiliary (USCG). The USCG Auxiliary is a national, voluntary, non-profit, non-military organization dedicated to promoting safe boating through authorized activities and assisting the United States Coast Guard. CAP National Vice Commander, Col Larry D. Miller and CAP Colonel Jack Vozzo, liaison to the Coast Guard Auxiliary attended the USCG Auxiliary National Board Meeting in Portland, Oregon. National Commodore Martin S. Herz and Chief Director Captain Neal F. Herbert of the USCG Auxiliary attended the CAP National Board Meeting in Atlanta, Georgia. The two organizations are continuing to develop closer working relations.

American Legion. Aerospace education and youth development are areas of common interest to the American Legion and Civil Air Patrol and have been the basis of cooperation between the two organizations since 1950. American Legion Post Commanders and Civil Air Patrol Squadron Commanders are urged to contact each other and explore areas for further development of mutual support and cooperation at the community level.

Volunteers of America (VOA). Civil Air Patrol and the Volunteers of America developed a mutual assistance agreement in 1980 to ensure close cooperation between the two organizations in their common mission of emergency services. 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 potential of both organizations will be realized.

National Association for Search and Rescue (NASAR). NASAR is a national, non-profit association that promotes and supports search and rescue and provides a public forum for cooperation between state, federal, local and volunteer search and rescue groups. CAP Lt Col James Bigelow of the California Wing represents Civil Air Patrol on the NASAR Board of Directors.

Optimist International. The Optimist International urges Optimist Clubs to extend and enrich their service to their communities by sponsoring Civil Air Patrol cadet units.

Federal Aviation Administration (FAA). The FAA served with CAP, NASA and the National Air and Space Museum as cosponsor of the 1984 National Congress on Aerospace Education held in Houston in April. The FAA is continuing to work with the Federal Emergency Management Agency, Civil Air Patrol and the Air Force to develop a management plan for the nation's non-air carrier aircraft fleet during national emergencies. The FAA is also a major source for safety speakers and material used at CAP sponsored flight clinics and safety programs.

Air Cadet League of Canada (ACLIC). The International Air Cadet Exchange (IACE) was conceived and initiated by the Air Cadet League of Canada in 1947. Civil Air Patrol has participated in the exchange since 1949 and over the years has developed an especially close association with the ACLIC as well as good working relationships with similar organizations in many countries.

National Aeronautics and Space Administration (NASA). NASA, along with CAP, FAA, and the National Air and Space Museum, cosponsored the 1984 National Congress on Aerospace Education in Houston, Texas. NASA also supports CAP's aerospace education efforts in many other ways.

Federal Communications Commission (FCC). The FCC has been extremely helpful in providing guidance on its rules and regulations and in assisting CAP in its efforts to improve its communications program. Mr. Robert McNamara, FCC Rules Division, and Mr. Marcus Stevens, FCC Licensing Division have assisted by providing technical and administrative guidance.



AFA Award. Cadet Ray Hurst of Nevada's Reno Composite Squadron was presented an Air Force Association CAP Cadet of the Year Award by retired Air Force Colonel Verv Frye, President of the Reno AFA Chapter. The AFA is a longstanding supporter of Civil Air Patrol at the national and local levels.

Boy Scouts of America. In 1982, Civil Air Patrol and the National Aviation Exploring Committee of the Boy Scouts of America approved an agreement of mutual cooperation to encourage dual membership in both the Civil Air Patrol and Aviation Exploring with CAP as the chartered partner. This mutual association has expanded the resources of both organizations and provided a better program for youth.

Republic Airlines. Republic Airlines initiated a special discount fare for active Civil Air Patrol members in early 1981 in recognition of CAP's contribution to air travel and general aviation. On 1 October 1982, an agreement between Republic Airlines, Civil Air Patrol and the Aircraft Owners and Pilots Association (AOPA) offered affiliate membership in CAP to AOPA members and their spouses which would entitle them to a special air fare discount on certain type flights on all Republic domestic routes. CAP has declared Republic the "Official Airline of Civil Air Patrol."



CAP-MAP Award. Nevada Wing Commander Bradford L. Sharp was presented the "Top 8 of the 80's" award on behalf of all members of the Nevada Wing which recognized Nevada as the best wing in the Pacific Region. The award was presented by Col William B. Cass who was later elected to the office of National Commander and promoted to the grade of CAP Brigadier General. (Photo by Rand McNatt)

Federal Emergency Management Agency (FEMA). FEMA was established in 1979 to merge closely allied agencies ranging from natural and man-made disasters to nuclear attack. In November 1981, a Memorandum of Understanding was implemented between CAP and FEMA to promote mutual support and coordination through specific points of contact at various levels of both organizations. FEMA has ten regional offices that coordinate emergency services activities with various state and local governments. CAP wings, in turn, have developed agreements with state and local governments making CAP support available during emergencies.



Academy Presentation. U.S. Air Force Academy Cadet Christopher Conte was presented the CAP General Carl A. Spatz Award by USAF Academy Superintendent Lt Gen Winfield W. Scott, Jr. Conte earned CAP's top cadet award as a member of Indiana's Allen County Cadet Squadron. (Photo by Bill Madsen)

RECOGNITION OF EXCELLENCE

UNIT RECOGNITION

Squadron of Distinction. The Thunderbolt Composite Squadron of the Texas Wing was selected as the Civil Air Patrol Squadron of Distinction based on the unit's overall accomplishment in conducting the cadet program. The unit's present Commander 1st Lt Michael A. Truitt and past Commander Maj Harley Burton received the F. Ward Reilly Leadership Award in recognition of their outstanding performance with the unit.

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

- (1) Bayamon Cadet Squadron 5, Puerto Rico Wing
- (2) Horizon Cadet Squadron, Oregon Wing
- (3) Marshfield Cadet Squadron, Oregon Wing
- (4) Van Dyke Cadet Squadron, Michigan Wing

CAP-MAP Top 8 of the 80's. The top performing wing in each of the eight Civil Air Patrol regions was selected for recognition under the "Top 8 of the 80's" awards program of Civil Air Patrol-Management Analysis Program (CAP-MAP). The top scoring wing in the competition also received special recognition as "Number One in The Nation." That honor went to the West Virginia Wing commanded by Col John P. Ratcliff.

West Virginia — Middle East Region
Tennessee — Southeast Region
Nevada — Pacific Region
Arkansas — Southwest Region

Wisconsin — Great Lakes Region
Minnesota — Northeast Region
Idaho — Rocky Mountain Region
Connecticut — Northeast Region

INDIVIDUAL RECOGNITION

Cadet of the Year. Peter L. Freeland, Oregon Wing
Senior Member of the Year. Maj Gerald H. Krueger, Wisconsin Wing
Wing Commander of the Year. Col John P. Ratcliff, West Virginia Wing
Chaplain of the Year. Ch. Lt Col Harold L. Jarvis, Pacific Region
Safety Officer of the Year. Capt Gary E. Summerskill, Kansas Wing

Brewer Aerospace Memorial Awards

Cadet Category. Cadet Pedro J. Santiago — Puerto Rico Wing
Senior Category. Maj Ray S. Taylor — Florida Wing
Individual Category. Capt Josephine A. Eisenzimer, Montana Wing
Organizational Category. Experimental Aircraft Association
Special Anniversary Award. Lt Col William D. Madsen, Rocky Mountain Region

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

Alabama
Wayne A. McCaskill, (No. 726), Maxwell AFB Composite Squadron

Alaska
Miles A. Green, (No. 689), Anchorage Cadet Squadron, Elmendorf AFB

Spaatz Award. Cadet Peter L. Freeland was presented the General Carl A. Spaatz Award by Oregon Senator Mark O. Hatfield. Peter is a member of Oregon's Horizon Composite Squadron and in addition to his selection as the Oregon Wing Outstanding Cadet of the Year, he was honored at the CAP National Board Meeting as the Civil Air Patrol Cadet of the Year. (Photo by Richard Burrows)



Good Citizen. Cadet David Horowitz of Florida's Tamiami Cadet Squadron was presented a Bronze Good Citizenship Medal by Charlene Harried, a sponsor of the Children of the American Revolution. Horowitz was recognized for his community service activities.

California

William E. Geesey, (No. 677), Hillcomber Comp Squadron, Travis AFB
Alexandra Ramirez, (No. 686), West Bay Comp Squadron, Belmont
Tom M. Smith, (No. 692), Hillcomber Comp Squadron, Travis AFB
Roy T. Oberhauser, (No. 693), Pasadena Cadet Squadron, Arcadia
Wayne C. Brown, (No. 704), San Francisco Cadet Sq, San Francisco
Jenny C. Fung, (No. 713), Beach Cities Cadet Sq, Torrance
Dawn M. K. Habina, (No. 718), R.G. Fowler Cadet Sq, Sunnyvale

Florida

Donald J. Robinson, (No. 680), Enterprise Cadet Sq, Miami

Georgia

Robert K. Ellison, (No. 701), Dekalb County Cadet Sq, Clarkston

Illinois

John S. Morris, (No. 678), Washington Park Cadet Sq, Chicago
Kenneth D. Savage, (No. 696), Cherokee Composite Sq, Westmont
Michael L. Tracy, (No. 700), Midway Composite Sq, Cicero
Rita A. Mrowca, (No. 709), Hometown Composite Sq, Evergreen Park
Christopher C. Shaw, (No. 720), Cherokee Composite Sq, Westmont

Indiana

Christopher T. Conte, (No. 679), Allen County Cadet Squadron, Fort Wayne
James L. Daniels, (No. 705), White River Comp Squadron, Portland

Kansas

Kevin M. Retz, (No. 682), Wichita First Comp Squadron, Wichita

Louisiana

Elizabeth C. Wright, (No. 690), Gen C.L. Chennault Cadet Sq, Metairie
Tommy Guerra, (No. 695), Gen C.L. Chennault Cadet Sq, Metairie
Keith D. Shrewsbury, (No. 707), Lake Charles Comp Squadron, Lake Charles

Massachusetts

John L. Ferrari, (No. 723), Minuteman Composite Squadron
David A. Staples, (No. 702), Camp Curtis Guild Comp Sq, Reading
Michael F. Keeley, (No. 711), Brockton Cadet Sq, Hanson

Maryland

John C. Kilgallon, (No. 721), Howard Cadet Squadron, Clarksville
Kevin W. Redman, (No. 722), Howard Cadet Squadron, Clarksville

Michigan

Darren J. Whiteside, (No. 681), Van Dyke Cadet Squadron, Clair Shores
Geoffrey G. deBeauclair, (No. 698), Bulldog Flight Comp Sq, Selfridge AFB
Matthew R. Butkis, (No. 699), Screaming Eagles Cadet Sq, Lake Orion

Minnesota

Chris A. Gerlach, (No. 725), Valley Composite Squadron
Scott R. Swanson, (No. 685), Viking Comp Squadron, St Louis Park

Missouri

Raymond E. White, Jr., (No. 706), Rolla Composite Sq, Rolla

New Jersey

Donald A. Brucato, (No. 724), Pineland Composite Squadron

New Mexico

Michael J. Moore, (No. 697), Falcon Comp Squadron, Rio Rancho



Top Wing. Arkansas Wing Commander Maxine E. Biggers was presented the "Top 8 of the 80's" Civil Air Patrol Management Analysis Program (CAP-MAP) award by CAP National Commander William B. Cass during the CAP National Board Meeting in Atlanta. The award recognizes the top performing wing in each of the eight CAP Regions. (Photo by Rand McNatt)

New York

Michael B. Senseney, (No. 687), Southern Erie County Comp Sq, Buffalo
 Robert O. Kirkland, (No. 694), Albany Comp Squadron, Troy
 Hector E. Marcyda, (No. 703), Bronx Cadet Squadron, Bronx

North Carolina

David W. Reynolds, (No. 688), Asheville Comp Squadron, Leicester

North Dakota

Joseph H. DeWalt, (No. 716), Red River Valley Comp Sq, Fargo

Oregon

James M. Powell, (No. 684), Columbia Comp Squadron, Portland

Pennsylvania

Walter J. Cornett, (No. 691), Philadelphia Cadet Sq, Philadelphia

Puerto Rico

Pedro J. Santiago, (No. 683), Col Clara E. Livingston Cadet Sq, Lakes Catano

Tennessee

Eric S. Cooter, (No. 708), Greenville Comp Squadron, Greenville
 David D. Wells, (No. 714), Knoxville Comp Squadron, Knoxville
 Rem B. Edwards, (No. 719), Knoxville Comp Squadron, Knoxville

Washington

Mark D. Harlin, (No. 715), Olympia Comp Squadron, Lacey

Wisconsin

Sean M. DeNure, (No. 727), Kenosha Composite Squadron
 Daniel S. Stempniak, (No. 712), Klitzman Memorial Comp Sq, Arena
 Catherine A. Szabo, (No. 717), Klitzman Memorial Comp Sq, Arena

Japan

Jeffrey B. Morris, (No. 710), Okinawa Cadet Squadron

Oregon Award. Cadet James Powell of Oregon's Columbia Composite Squadron was presented the General Carl A. Spaatz Award by Oregon Representative Ron Wyden. The Spaatz Award is the highest cadet achievement attainable in Civil Air Patrol.



Supports CAP. Congressman Roy Dyson of Maryland was presented a Civil Air Patrol Plaque by CAP Maryland Wing Commander Col Daniel J. Hill in appreciation of his support of the organization. Congressman Dyson and Congressman Ronald Coleman of Texas were cosponsors of an amendment to the CAP Supply Bill that authorized expanded Air Force support of Civil Air Patrol.

Scholarship Winners. Civil Air Patrol scholarships valued at \$40,500 for academic year 1984-1985 were awarded to 69 of CAP's outstanding young men and women who are attending colleges and universities across the country:

CALIFORNIA

Bryan Boyles
 Roy Oberhauser
 Thomas Smith
 Lisa Taylor
 Jeffrey Wong

COLORADO

Keith McLaughlin

CONNECTICUT

Daniel Lord
 Joseph Palys

FLORIDA

Lester Preston

ILLINOIS

Thomas Herrick
 Keith Hoffman
 Kimberly Kessel
 Robert Mann
 Thomas May
 Christopher Mortell
 Rita Mrowca
 Marleen Murray
 Susan Rafferty

INDIANA

Peter Conte
 David Dippon
 John Mansfield
 Patrick McLaughlin
 Michael Orr

IOWA

James Bartz

MAINE

Robert Bender
 Susan Melrose

MICHIGAN

Leo Burke
 Gregory Hudak

MINNESOTA

Mark Abbott
 Jeffrey Knutson

MISSISSIPPI

John Vozzo

MISSOURI

Eric Vander Linden

NATIONAL CAPITAL

Merrill Ballenger

NEBRASKA

Scott Cooper
 James Parks
 James Vigessaa
 Tim Nielsen

NEVADA

Jeanne North

NEW JERSEY

James Burkhard

NEW YORK

Michael Bedard
 David Hunter
 Kaushik Shridharan
 David Wieland

NORTH CAROLINA

G.P. Michael Freeman
 David Helms
 Pamela Landreth
 Michael Riddle
 Lori Swanson

OHIO

Paul Seketa
 Renate Johnston
 Paul Stebel
 Kenneth Wurtzler

OREGON

Peter Freeland
 Leo Short

OVERSEAS

Terry Hawks

PENNSYLVANIA

Joanna Sobieski
 Douglas Yoder

TENNESSEE

Jeffrey Wadley

TEXAS

David Blasingame
 Donald Blasingame
 Carolyn Broyles
 Steven King
 Michael Mendoza
 Tanya Truitt

WEST VIRGINIA

Randall Allen
 Jack Downey

WISCONSIN

Scott Coursin
 Penny Rheingans
 Robert Spenle



Cadets Recognized. The Illinois team representing the CAP Great Lakes Region won top honors in the National Cadet Competition held at Maxwell AFB, Alabama in December 1983. Cadet Drew Savage represented his team in accepting the Civil Air Patrol Unit Citation Award from U.S. Senator Jennings Randolph of West Virginia during the team's visit to Washington D. C. in March 1984.

Gill Robb Wilson Award. This is the highest award attainable in the Senior Member Training Program. In recognition of completion of CAP advanced leadership training requirements, the award was presented to 279 senior members in 1984.

ALABAMA

Frank A. Brown
Michael H. Morgan

ARIZONA

Harold R. Agee
Edward C. Berek
Edward S. Daror
Edward W. Hobbs, Sr
William A. Iselin
Michael E. Lorenz
Laura J. Markiewicz

ARKANSAS

Thomas F. Darnell
David L. Guthridge
Orvis G. Martin
David D. Todd
Paul A. Willard II

CALIFORNIA

John W. Abbott
Eugene L. Carnahan
Marc E. Cohen
Richard J. Gale
Robert E. Geiger
Richard D. Kevin
Mary A. Knorr
Eugene H. Kunz
Roberta D. Lantz
Eugene D. Melvin
Fred A. Morris
Cecil A. Ryder, Jr.
Jack E. Spear
Calvin C. Turpin
Charles E. Wiest

COLORADO

David C. McGinley
Harvey A. Siegal
Charles W. Thompson

CONNECTICUT

Carroll P. Rogers, III
Ronald J. Rudolph

DELAWARE

Lee A. Kimmel
Herbert M. Wood
Harold G. Young

FLORIDA

Rosemary Arbuckle
William B. Archer
William B. Bailey
William B. Boyd
Henry P. Casenove
Robert A. Croft
Frances L. Dorough
Benjamin F. Douglas
Mary D. Douglas
Alexander C. Field, Jr
Larry Hamm
Francis E. Harlow
Elsie F. Hasty
Richard C. Hill
Lillian E. Holdren
Russell F. Holdren
Ruth C. Hubert
George L. Jackman
Elizabeth E. Leighton
Joseph V. Lill
Cheryl S. Miller
Howard T. Moody
Charles S. Myers
Carlos A. Nogueira
Glenn M. Pena
Charles A. Pfeiffer
James H. Porter
Gary L. Sawyer
Elizabeth J. Sedita
Albert E. Seeschaaf
Samuel G. Spieker, Jr
Lyndsay A. Stauffer
Florence C. Stootman
John H. Stootman
Geraldine L. Thompson
David L. Uresti
Paul R. Vandiver
John R. Weidensall, Jr
Edward C. Wolff

GEORGIA

Robert D. Butler
Troy Douglas
Sidney H. Rhoads
Harry L. Vause
James A. Waterbury
Cauley V. Wilson

ILLINOIS

Josef Gruendner, Jr
Burl C. Grupe
John F. Maguire
Michael J. Rafferty, Jr
Hilda J. Snelling
Derek V. Stacker
John F. Sullivan

INDIANA

Richard H. Beckman
Robert L. McGillem
George W. Young

IOWA

James L. Black

KANSAS

Elisabeth E. Dicken
Gregg W. Etter
Jeff R. Guernsey
Patricia A. Lane

KENTUCKY

Barry W. Barmore
Alison M. Ross
Donald M. Ross

LOUISIANA

Samuel F. Chase, Jr
Leona L. Cole
John S. McCormick
Rose Marie Latiolais
Theodora J. Marsh
Peter G. Marvin
George Sartis

MARYLAND

William B. Blake
Frances H. Litkenhaus
Michael P. Miller
Duane C. Nichols
Kenneth R. Welk

MASSACHUSETTS

Louis H. G. Bier
Hobart G. Combs
Virginia M. Cullity
C. Connie Ekstrom
Charles F. Neudorfer II
Lewin E. Nyman
John J. O'Donnell
Barbara A. Shepard
Earl N. Shepard

MICHIGAN

Martha D. Brazer
Edward C. Cartledge
JoAnn F. Douglass
Willard G. Huffaker, Jr.
Robert D. Johnson
Robert V. Payton
Kenneth C. Redington

MINNESOTA

Robert S. Juroszek
Richard C. Niess

MISSISSIPPI

James L. Balliet
Troy E. Daniel
Berta A. Edge

MISSOURI

Jonny D. Collins
Dean K. Hamilton
Ralph C. Holliday III
Michael B. Murry

MONTANA

Lance J. Edwards

NATIONAL CAPITAL

Amanda B. Anderson
Thane L. Anderson
Alva R. Appel
John D. Benoit
Roland L. Butler
Elizabeth A. Gignac

NEBRASKA

Dennis R. Kumm

NEVADA

James O. Boyer
Lyle C. Burge
George A. Cordingly

NEW HAMPSHIRE

Ronald G. Adams
Hans-van den Biggelaar
George G. Heald

NEW JERSEY

George S. Bochenek
Robert G. Cornell
Monique M. Curtis
Doris E. Miller
George T. Redfern
Linton N. Reed
Abelardo Rico, Jr.

NEW MEXICO

William C. Overton, Jr.
Mildred M. Traulsen
Lee E. Wiedmann

NEW YORK

George J. Bartole, Jr.
Steven R. Gullberg
Milton J. Haas
Lynette D. Hawley
Lisa Hebo
John F. Kienzle
Joel E. McDonald
Patrick J. Magee
Joy S. Nelson
Allan F. Pogorzelske
Janet A. Schachner
Hans Schmidt
Katherine P. Tolsma
Patricia M. Vierling

NORTH CAROLINA

John R. Brigham
Lelia C. Brigham
David N. McGavock
Jack D. Moorefield
Robert J. Swanson
William E. Vaughn-Lloyd Jr.
Dwight H. Wheelless
Julia G. Wright
Leo V. Wright

OHIO

Roger M. Baxter, Jr.
Joseph M. DeRico
Martin E. Gibbons
Gerardine E. Matthews
Joanne M. Podojil

OKLAHOMA

James A. Carter
Jerry N. Stephan
Lester V. Wilson

OREGON

Stephen W. Bender
Charles A. Thompson

PENNSYLVANIA

Richard J. Luce, Jr.
Walter A. McKoy, Jr.
Irwin E. Messick
Francis A. Romeo

RHODE ISLAND

Raymond G. Berger
Bradford E. Duforer

SOUTH CAROLINA

Harold G. Bueneman
Melton Guerry
Gordon B. Rossback

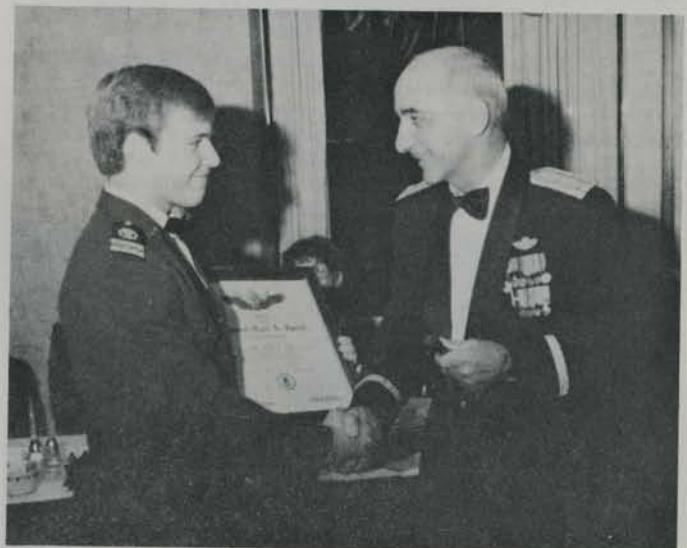
SOUTH DAKOTA

Mario D. Candia
Lois M. Schmidt

TENNESSEE

Randy L. Bowen
Paul T. English
James A. Moore
Beth A. Ries
Charles F. Wochomurka, Jr.

Double Award. Cadets Lori Swanson, left, and Andrea Thompson of the CAP North Carolina Wing admire each other's new cadet colonel insignia. Their new rank signified completion of the structured cadet program which qualified them for the General Carl A. Spatz Award.



Highest Award. Cadet Christopher Jaekl was presented CAP's highest recognition for cadet achievement, the General Carl A. Spatz Award, by Maj Gen Raymond Matera, Commander of the Wisconsin Air National Guard. Jaekl is a member of the Milwaukee Emergency Services Squadron.



Florida Award. Florida Wing Cadet Don Robinson (left) was presented the CAP General Carl A. Spaatz Award by Lt Gen Charles C. Patillo, Deputy Commander in Chief of the U.S. Readiness Command. The Spaatz Award recognizes the highest achievement in the CAP Cadet Program.

TEXAS

Brenda L. Bess
 Mongneus A. Billman
 J. R. Brown
 David N. Clyde
 Mabry C. Cox
 Glenn B. Haines
 Harry P. Hicks, Jr.
 Lois R. Kannwischer
 Robert J. Peters
 Barbara M. Rodriguez
 John C. Samuel
 Robert D. Sholl
 William O. Smith
 Susan C. Sturgeon
 Thomas L. Todd
 Elizabeth Tout

UTAH

Harold M. Hilburn
 Larry D. Sidle
 Jane A. Wellman
 Jerry B. Wellman

VERMONT

Richard A. Krukonis
 Donald A. Moore

VIRGINIA

Raymond Francis
 Walter G. Green III
 Carlton L. Jernigan
 Patricia B. Kennedy
 Herman H. Maddox, Jr.
 Paul N. Stinnett

Donald J. Thomas
 Dorothy K. Wharton
 Ralph H. Yost

WASHINGTON

Dennis F. Green

WEST VIRGINIA

Reginald L. Campbell
 Melvin E. Hollar
 Thomas R. Morris
 Isaac L. Walker

WISCONSIN

Elizabeth R. Curry
 Michael A. Curry
 John E. Jones
 Eugene P. Peterson
 Lawrence W. Stys

ALASKA

Margaret M. Cook

HAWAII

Florence C. Conway
 Abel M. Correia
 William W. Daves
 Herbert T. Kaneshige
 Howard G. Nakashima
 Marilyn M. Webb
 Jack M. Weidner

PUERTO RICO

Segundo Graniela

NORTHEAST REGION

Peter P. Chiacchieri
 Mary E. Lynch
 Joseph B. Witkin
 Miriam E. Witkin

MIDDLE EAST REGION

Frank A. Kunkowski
 Mary L. Kunkowski
 Grady L. Pennington
 Foy Reese
 William B. Talbott

GREAT LAKES REGION

Murray Johnson

SOUTHEAST REGION

Ross J. Sedita
 Donald N. Clark
 Rene Torres

SOUTHWEST REGION

C. E. Neal

ROCKY MOUNTAIN REGION

William R. Hill
 Richard B. Mulanax

PACIFIC REGION

Mary Gormly
 John N. Lewis

OVERSEAS SQUADRONS

Jeffrey C. Wandell



Top Award. Cadet John W. McGaha was presented CAP's highest cadet award, the General Carl A. Spaatz Award, by Delaware Governor Pierre S. DuPont. McGaha is a member of Delaware's New Castle Cadet Squadron.

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 E. 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
- Deceased

Survival Training. Janie Haigh of the National Capital Wing Mount Vernon Composite Squadron poses in a survival shelter during the squadron's annual winter survival training exercise conducted at Fort Belvoir, Virginia. (Photo by Mildred Bellinger)



Brewer Award. Cadet Pedro J. Santiago of the CAP Puerto Rico Wing accepted the Frank G. Brewer Memorial Aerospace Award from Frank G. Brewer, Jr. during the annual meeting of the CAP National Board in Atlanta during August. (Photo by Rand McNatt)

CIVIL AIR PATROL NATIONAL BOARD MEMBERS

(As of 31 December 1984)



NATIONAL COMMANDER
Brig Gen William B. Cass
CAP



NATIONAL VICE COMMANDER
Col Larry D. Miller
CAP



EXECUTIVE DIRECTOR
Col John T. Massingale, Jr.
USAF



COMMANDER
NORTHEAST REGION
Col Edgar M. Bailey
(Rhode Island)



COMMANDER
MIDDLE EAST REGION
Col Eugene E. Harwell
(North Carolina)



COMMANDER
GREAT LAKES REGION
Col Russell Sheibels
(Michigan)



COMMANDER
SOUTHEAST REGION
Col William C. Tallent
(Tennessee)



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



COMMANDER
SOUTHWEST REGION
Col George R. Way
(Texas)



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



COMMANDER
PACIFIC REGION
Col Warren G. Barry
(California)

NATIONAL FINANCE OFFICER
Col Robert G. Rubens
CAP



NATIONAL LEGAL OFFICER
Col Maurice E. Cook
CAP



**WING
COMMANDERS**

MIDDLE EAST REGION

DELAWARE

LTC Larry D. Tasker

MARYLAND

Col Kenneth Welk

NATIONAL CAPITAL

Col Ronald A. Quander

NORTH CAROLINA

LTC Joyce Brookshire

SOUTH CAROLINA

Col William E. Hobson

VIRGINIA

Col Donald E. Ratcliff

WEST VIRGINIA

Col John P. Ratcliff

NORTHEAST REGION

CONNECTICUT

Col Howard E. Palmer

MAINE

Col David J. Braun

MASSACHUSETTS

Col David R. Gardner

NEW HAMPSHIRE

Col George G. Heald

NEW JERSEY

Col George S. Bochenek

NEW YORK

Col Roy I. Arroll

PENNSYLVANIA

Col A. A. Milano

RHODE ISLAND

Col Raymond G. Berger

VERMONT

LTC William D. Eikner

GREAT LAKES REGION

ILLINOIS

Col Mel S. Kristmann

INDIANA

Col George W. Young

KENTUCKY

Col George M. Hudson

MICHIGAN

Col Stephen Rudowski

OHIO

Col Loren G. Gillespie

WISCONSIN

Col Raymond A. Noonan

SOUTHEAST REGION

ALABAMA

Col Robert M. Dorning

FLORIDA

LTC Samuel Spieker, Jr.

GEORGIA

Col Ralph E. Grady

MISSISSIPPI

Col Rodney I. Baker

PUERTO RICO

Col John J. Gonzalez

TENNESSEE

Col Charles R. Barksdale

NORTH CENTRAL REGION

IOWA

Col James L. Black

KANSAS

LTC Ralph Rissmiller, Jr.

MINNESOTA

Col Lionel Bourquin

MISSOURI

Col Gerald Holliday

NEBRASKA

Col Dennis R. Kumm

NORTH DAKOTA

LTC Paul E. Eide

SOUTH DAKOTA

Col M.R. Vander Maten

SOUTHWEST REGION

ARIZONA

Col Dalton O. Smith

ARKANSAS

Col Maxine E. Biggers

LOUISIANA

Col George Sartis

NEW MEXICO

Col William Overton, Jr.

OKLAHOMA

LTC Fred L. Latchaw

TEXAS

Col Robert C. Bess

ROCKY MOUNTAIN REGION

COLORADO

Col Harry E. Kouts

IDAHO

Col Craig Mickelson

MONTANA

Col William W. Hewitt

UTAH

Col John W. Barainca

WYOMING

Col Joe Vialpando

PACIFIC REGION

ALASKA

Col Russell J. Anderson

CALIFORNIA

Col Donald M. Biondich

HAWAII

Col Herbert T. Kaneshige

NEVADA

Col Bradford L. Sharp

OREGON

LTC Earl G. Smith

WASHINGTON

Col Theodore A. Tax

The National Board is the principal governing body of the Civil Air Patrol. The Board is comprised of the National Commander, Executive Director (also Commander, CAP-USAF), National Vice Commander, National Finance and Legal Officers and the eight Region and 52 Wing Commanders. The Board meets at least once annually at the call of the National Commander who presides as Chairman.

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

In addition to the above, the Civil Air Patrol structure includes three other corporate officers who are not members of the governing bodies. The National Administrator, Brig Gen Carl S. Miller, USAF (Ret), and the Legal Counsel, Col Thomas A. Handley, CAP, are full-time CAP employees who perform duties as assigned by the National Executive Committee and National Commander. Col Joseph J. Hannan, CAP, serves as assistant to the National Finance Officer and is also a full-time CAP employee in the position of National Financial Administrator.

STATISTICAL SUMMARY

Vital Statistics as of 31 December

MEMBERSHIP	1983	1984	AIRCRAFT	1983	1984
Cadets	26,104	24,900	Corporate Owned	565	545
Seniors	41,669	41,605	Member Owned	9,502	9,583
Total Members	67,773	66,505	Total Aircraft	10,067	10,128
ORGANIZATIONAL UNITS			EMERGENCY SERVICES		
Regions	8	8	Missions	1,745	1,979
Wings	52	52	Sorties	8,542	9,112
Groups	174	186	Hours Flown (Finds)	16,725	17,351
Senior Squadrons	320	323	Objectives Located/	1,074	1,204
Cadet Squadrons	321	329	Lives Saved (Saves)	154	128
Composite Squadrons	985	956	ENCAMPMENTS		
Flights	81	79	Active Air Force Bases	28	29
Total Units	1,941	1,933	Other DOD Facilities	18	16
RADIO STATIONS			Non-DOD Facilities	21	12
Fixed Land	4,027	4,065	Cadets Attending	5,878	6,345
Ground Mobile	17,010	18,270	Seniors Participating	1,050	1,204
Air Mobile	4,455	5,075	CADET AWARDS		
Search and Rescue	670	1,066	Mitchell Awards	1,357	1,271
Corporate Aeronautical	565	545	Earhart Awards	443	456
Repeater Stations	255	265	Spatz Awards	48	51
Emergency Locator	149	181			
Total Stations	27,131	29,467			

WING PARTICIPATION IN EMERGENCY SERVICES

1 January 1984 through 31 December 1984

The data below details Civil Air Patrol participation in USAF authorized search and rescue operations, disaster relief, and other emergency services missions. Thousands of additional hours are spent on state and local support activities that are not reported. During 1984 Civil Air Patrol was credited with 1,204 finds and 128 saves. Total missions and saves will not add correctly below because, in some instances, more than one CAP wing was involved. ("Finds" are search objectives located and "Saves" are lives saved.)

	Missions	Sorties	Hours	Finds	Saves	Missions	Sorties	Hours	Finds	Saves	
Alabama	34	31	59	25	0	Massachusetts	33	302	518	27	0
Alaska	97	705	1558	44	13	Michigan	52	60	92	39	0
Arizona	46	180	420	28	0	Minnesota	30	118	239	20	0
Arkansas	30	232	406	14	1	Mississippi	25	56	112	14	0
California	194	2098	3376	135	5	Missouri	30	61	122	21	0
Colorado	72	510	989	23	6	Montana	7	64	139	0	0
Connecticut	21	43	98	10	0	National Capital	1	0	0	1	0
Delaware	5	6	8	2	0	Nebraska	38	83	202	15	18
Florida	151	252	416	124	2	Nevada	37	347	797	10	5
Georgia	40	109	238	32	0	New Hampshire	9	26	45	5	0
Hawaii	8	66	158	0	0	New Jersey	56	73	93	42	3
Idaho	17	125	271	1	1	New Mexico	42	519	1065	9	9
Illinois	57	149	268	39	0	New York	52	186	269	30	1
Indiana	36	32	73	19	0	North Carolina	43	84	148	30	1
Iowa	9	8	15	4	8	North Dakota	14	20	44	9	0
Kansas	50	76	121	16	23	Ohio	52	45	115	37	0
Kentucky	18	67	144	10	0	Oklahoma	35	213	508	20	0
Louisiana	67	126	247	45	0	Oregon	29	181	372	6	0
Maine	16	120	211	11	0	Pennsylvania	50	93	153	37	3
Maryland	17	21	36	10	0	Puerto Rico	1	5	16	0	0
						Rhode Island	10	4	7	2	0
						South Carolina	16	12	35	13	0
						South Dakota	17	38	69	6	5
						Tennessee	29	190	419	13	1
						Texas	171	648	1388	109	17
						Utah	24	162	318	4	1
						Vermont	8	99	191	4	0
						Virginia	39	113	166	27	1
						Washington	64	156	226	33	0
						West Virginia	13	11	18	4	3
						Wisconsin	37	155	294	23	1
						Wyoming	4	22	59	2	1
						National Totals	1,979	9,112	17,351	1,204	128



International Air Cadet Exchange (IACE) cadets from Canada and thirteen European nations were treated to a four day visit in the Nation's Capitol before traveling to their host CAP wings for the remainder of their stay in this country. A tour of the Smithsonian Institution's National Air and Space Museum proved to be the highlight of their Washington visit. Mr. Walt Flint, Director of Aerospace Education for the USAF-CAP Middle East Liaison Region, arranged guided tours for the cadets and conducted

one group through the exhibits himself. Of particular interest was the "Wright Flyer" and "Project Mercury Spacecraft" which are on permanent display. This exhibit emphasizes the tremendous advances in aerospace that occurred between the first flights of the Wright Brothers on 17 December 1903 and the first U.S. manned space flight of Alan Sheppard on 5 May 1961. (Photo by Rand McNatt)

The CAP Colorado Wing Cadet Encampment was conducted at the Air Force Academy in Colorado Springs during July with 59 cadets attending. The obstacle course provided a challenging test for the young cadets. Each year several thousand CAP cadets attend encampments at Air Force installations and other

military facilities throughout the United States and Puerto Rico. Encampment attendance exposed the cadets to the military lifestyle and provided experience and information on career opportunities. (Photo by Bill Madsen)





CALIFORNIA CADET COLOR GUARD
NATIONAL DEMOCRATIC CONVENTION
SAN FRANCISCO, CALIFORNIA