

CIVIL AIR PATROL

1983 Annual Report to Congress



Aerospace Education
An investment for
national growth
and security

**For Year Ending
31 December 1982**



AEROSPACE EDUCATION/FROM WORKSHOP TO CLASSROOM

One of the missions of Civil Air Patrol is to provide programs for the aerospace education of American citizens. CAP works toward this end through both internal and external aerospace education programs. The internal program is for the benefit of CAP cadet and senior members while the external program is designed to add to the aerospace knowledge of the general public. Basic to the external program is the teaching of teachers. In cooperation with colleges, and universities, and individual school systems in 42 states and Puerto Rico, Civil Air Patrol supported 188 graduate-level workshops attended by approximately 5,600 educators in 1982. After attending a workshop teachers recognize the potential of aerospace for adding an exciting new dimension in the classroom for both student and teacher.





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

Maxwell Air Force Base, Alabama 36112



TO THE CONGRESS OF THE UNITED STATES

This report of the activities of Civil Air Patrol during calendar year 1982 is submitted in accordance with the requirements of Public Law 476. Civil Air Patrol was established on 1 December 1941 as an emergency action to make civil aviation pilots and aircraft available for national defense.

Following its wartime service, Civil Air Patrol was chartered by the 79th Congress on 1 July 1946 as a volunteer, nonprofit corporation. Then on 26 May 1948, the 80th Congress passed Public Law 557 which granted Civil Air Patrol status as the civilian auxiliary of the Air Force. The law authorized the Secretary of the Air Force to provide certain limited support to the fulfillment of Civil Air Patrol objectives and to use the services of Civil Air Patrol in carrying out the noncombatant mission of the Air Force.

During 1982, Civil Air Patrol continued its service to the nation with significant achievement in each of its mission areas. This report highlights a few of the many accomplishments in emergency service assistance to people in distress, further developments in aerospace education for Civil Air Patrol members and the general public, and leadership development programs for Civil Air Patrol cadet and senior members.

We are proud of the dedicated Civil Air Patrol volunteers who contributed their time, talents, and resources to make possible the overall achievements of 1982. We are also grateful for the continued support of Congress and the advisory and material support provided by the United States Air Force.

It is a privilege to present this report of Civil Air Patrol activities during the past calendar year.

Howard L. Brookfield
HOWARD L. BROOKFIELD
Brigadier General, CAP
National Commander

David L. Patton
DAVID L. PATTON
Brigadier General, USAF
Executive Director

AEROSPACE EDUCATION

A major new Civil Air Patrol effort in aerospace education during 1982 was the Aerospace Education Program for Senior Members (AEPSM). The program was developed in response to the Civil Air Patrol National Commander's decision that there was a long unfulfilled need for CAP senior members to receive an education in aerospace. The CAP textbook, *Aerospace, The Challenge*, and a newly prepared study guide and evaluation items are the basic teaching materials used in the AEPSM.

For many years CAP cadets have had a formal study requirement in aerospace education, while senior members were expected to acquire their aerospace education catch-as-catch-can. The new program of formal study in aerospace education, the first ever for CAP senior members, should result in a membership much better informed about the aerospace world in which they live. They should also be better qualified to implement CAP's mandate to educate the American public about the importance of aerospace in our nation.

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 188 graduate-level workshops in 42 states and Puerto Rico in



World Educator. Brig Gen Johnnie Boyd, then CAP National Commander, was presented the "World Educator of the Year" award during the annual National Congress on Aerospace Education held in Atlanta in April. The presentation was made by Ms. Mary Jo Oliver, a representative of the Federal Aviation Administration and member of the National Congress Planning Committee. (Photo by Ken Kennedy)



Scholarship Fund. Lt Col William D. Madsen, (left), presented a check for \$3,000 to CAP Colorado Wing Commander Henry A. Elgin to fund cadet scholarships in that wing. The money was contributed by members of fifteen aviation-oriented organizations that joined forces to stage a banquet at the Air Force Academy to salute Civil Air Patrol on its 40th anniversary. Madsen, dressed in his World War II style CAP uniform, is president of the Colorado Aviation Historical Society; one of the sponsors of the banquet.

1982. Approximately 5,600 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 in the form of Air Force Reserve personnel on active duty tours who served as liaison and instructional resources to the workshop director. In some cases, Air Force airlift was provided for workshop participants to visit an aerospace facility as part of the curriculum.

AEROSPACE EDUCATION MATERIALS

Aerospace Education Program for Senior Members.

Several documents were provided in support of the AEPSM:

a. **Student Study Guide.** The 104-page Student Study Guide contains behaviorally-stated learning objectives with question-type exercises following each objective. Cross-referencing directs users to textbook pages where answers to review exercises may be found. Six self-tests of 50 questions each are provided within the study guide. Test questions also carry references and appended to the study guide are answers to the 300 self-test questions.

b. **Examinations.** Four different forms of the final, controlled examination were developed, printed, and distributed to CAP Wing Directors of Aerospace Education. Each examination and its answer key were printed on the same color of paper to avoid exam/answer key mix-ups. For control purposes, the examinations and answer keys were sequentially numbered and individually packaged for each unit in the CAP organizational structure.

c. **Program Management Forms.** A total of five new forms were developed and printed to help CAP aerospace education and testing personnel manage the program.

d. **Award Elements.** Senior members who complete the program are awarded an "Aerospace Education Achievement" certificate, along with a similar wallet card. Awardees are then entitled to purchase a medal and ribbon, signifying their achievement, for wear on their uniform.

"Aerospace Update." "Aerospace Update" is a two-page feature presentation of new or projected aerospace activities which is printed quarterly in the Civil Air Patrol News. Each presentation is designed for one of four categories: Civil Aviation, Space Activities, Aerospace Industry, and Military Aviation. The first "Aerospace Update" was printed in the June issue under the Civil Aviation category and was entitled "A New Generation of Jet Airlines." The second, "Galileo to Jupiter," was printed in the September issue under Space Activities. The Military Aviation category will be treated in the December issue with "Tigershark," an illustrated article on the F-5G.

"An Introduction to the Literature of Flight." The CAP Aerospace Education Directorate provided editorial, visualization, and pasteup services for "An Introduction to the Literature of Flight" which was authored by Dr. David K. Vaughan. It was published as a Civil Air Patrol pamphlet (CAPP 11) and was provided to aerospace education workshop directors as a resource for their activities. The pamphlet is also available to other interested parties through the Civil Air Patrol Bookstore.



University Award. Dr. Sam Ingram, President of Middle Tennessee State University, was presented the National Congress on Aerospace Education Plaque by Janet Wolfe of the National Air and Space Museum. The award honoring Middle Tennessee State University as the Aerospace Education University of the Decade was presented during the 15th annual National Congress on Aerospace Education.



Aviators Meet. The National Congress on Aerospace Education provided opportunities for reminiscing about flying experiences. (From left): A. Scott Crossfield, design specialist and project pilot for the X-15; retired Air Force Brig Gen Charles E. "Chuck" Yeager, first man to fly faster than the speed of sound; Air Force Brig Gen David L. Patton, CAP-USAF Commander and CAP Executive Director; retired Lt Gen Adolf J. Galland of the German Air Force; and Air Force Col Win E. DePoorter, CAP-USAF Vice Commander. (Photo by Ken Kennedy)

NATIONAL CONGRESS ON AEROSPACE EDUCATION

The Sheraton-Atlanta Hotel was headquarters for the National Congress on Aerospace Education held April 1-3, 1982. The fifteenth session of this annual aerospace education congress was sponsored by Civil Air Patrol, the National Aeronautics and Space Administration, and for the first time, the National Air and Space Museum. The event attracted educators, aerospace personalities, representatives of aerospace industries, and exhibitors from the 50 states as well as the Commonwealth of Puerto Rico and several foreign countries.

Civil Air Patrol and Air Force Junior ROTC cadets executed an impressive posting of the Colors to formally open the three-day event.

The program was exciting and informative, touching on past, present and future aerospace events. Mr. Walter H. Flint, USAF-CAP Middle East Liaison Region Director of Aerospace Education, served as Master of Ceremonies for the Congress, and renowned author, Mr. Robert J. Serling, served as the Keynote Speaker.

Others participating in the Congress program were: Brig Gen Johnnie Boyd, CAP, CAP National Commander; Mr. Donald R. Segner, Associate Administrator for Policy and International Aviation, Federal Aviation Administration; Mr. George P. A. Forschler, Deputy Assistant Secretary of the Air Force, Reserve Affairs; Capt Howard Kelem, CAP, Assistant Director of Aerospace Education, New York Wing, CAP; Maj Vincent Lagana, USAF, Headquarters, Strategic Air Command; Lt Comdr David M. Walker, USN, NASA Astronaut; and, Ms. Jeanne Robertson, Humorist.



Sole Survivor. George Gay (left), the only member of Torpedo Squadron 8 to survive the Battle of Midway in World War II, talked with CAP National Commander Johnnie Boyd and Amy Ruth Boxwell during the National Congress on Aerospace Education held in Atlanta in early April. (Photo by Ken Kennedy)

During the outstanding Heritage Segment, Dr. Paul E. Garber; Gen Charles "Chuck" E. Yeager, USAF (Retired); Mr. A. Scott Crossfield; and Gen Adolf J. Galland, WW II Luftwaffe "Ace," skillfully moved the program through the major pioneering aerospace events of the past.

Field trips to Atlanta International Airport and Lockheed Georgia Aircraft Company were also included in the scheduled activities of the Congress.

The 1983 National Congress on Aerospace Education will be held at the Aladdin Hotel, Las Vegas, Nevada, April 7, 8 and 9.



Antique Aircraft. Illinois Wing CAP cadets assisted The Warbirds, Inc. during a fly-in and display of World War II aircraft during a celebration in the Chicago area of the Battle of Midway. Cadets served in color guards, escorted dignitaries, and manned recruiting booths. (Chicago Tribune Photo, used with permission)

EMERGENCY SERVICES

The overall objective of the Civil Air Patrol Emergency Services mission is to save lives and relieve human suffering while safeguarding the lives of CAP personnel providing the service. This is accomplished through emphasis on professionalism in organization, training, planning and mission execution. Care is also exercised to insure 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 and civil defense and disaster relief operations in support of local, state, and national emergency services organizations. CAP cooperates with local civil officials and rescue organizations in search and rescue operations and has a mutual support relationship with the American National Red Cross, Salvation Army, Federal Emergency Management Agency, 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 search and rescue operations in the inland region of the United States. It discharges this responsibility through the Military Airlift Command's Aerospace Rescue and Recovery Service operation of the Air Force Rescue Coordination Center which coordinates rescue upon request. In its role as the civilian auxiliary of the Air Force, CAP is the primary resource available in fulfilling this responsibility.

During 1982, Civil Air Patrol participated in 1,194 Air Force authorized search and rescue missions, flew 16,960 hours, and was credited with locating 782 search objectives and saving 87 lives.

For the eleventh consecutive year the number of CAP finds on Air Force-authorized missions has increased; from 103 in 1971 to 782 in 1982. CAP has also continued to fly 75% of search hours on missions coordinated by the AFRCC. In addition to supporting Air Force requests, the Puerto Rico Wing frequently provides search assistance to the U.S. Coast Guard.

CAP has also increased realistic search and rescue training using SAR aids such as the Track Analysis Program (TAP) and the emergency locator transmitter (ELT). According to AFRCC data, the ELT continued to be the best aid available to searchers, and the best hope for timely rescue of survivors of air crashes. The TAP is also an extremely reliable tool in those instances when it can be used. TAP is a Federal Aviation Administration innovation conceived with the help of the CAP California Wing. The program assists search planners in locating lost aircraft by recalling computer-generated records of radar signals. Retrieval of the stored radar data at the Air Route Traffic Control Center, in many cases makes it possible to pinpoint or estimate the aircraft's last location prior to disappearing from radar. CAP mission coordinators routinely request and use this important data in search planning.

Top Team. Members of Iowa's ground search and rescue team (left to right foreground) Barbara L. Price, Steven Gyles and Monty Baker prepare for search to locate a simulated crash site. The Iowa team was winner of the Top Ground Team category in the North Central Region Search and Rescue Competition. (Photo by Rand McNatt)





Tissue Transport. Steve Pastor, (left), and Dr. Philip Breen of CAP's Pennsylvania Wing prepare to load a dialysis machine containing human organs to be airlifted from Danville to Philadelphia, Pennsylvania for transplant. Breen was subsequently assigned as chairman of the CAP National Medical Committee.

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:

HAWAII

Sea Rescue. Notice was received that a 19 foot Glaspro boat with two persons on board was overdue. Hawaii CAP, the USCG Air Station at Barbers Point, and the USCG Auxiliary in Lahaina were alerted. A call was later received from the two persons aboard the Glaspro to report that they had abandoned the vessel due to engine trouble and swam three miles ashore to Puko Bay. They had been towing a disabled Hobie Cat with one person on board who was unable to make the swim and was still clinging to the overturned Hobie Cat. A Hawaii CAP aircrew located the vessel and stayed in the area until a USCG Auxiliary boat arrived and returned the survivor safely to Lahaina, Maui.

COLORADO

Overdue Skiers. Colorado CAP assisted the Crested Butte Sheriff in a search for two overdue skiers. The men were located by Colorado CAP 13 miles south of Aspen and taken to a hospital by ground transportation. They had been stranded in an inaccessible area and were without food.

SOUTH CAROLINA

Two Saved. South Carolina CAP and the Union County Sheriff Department cooperated in the search for a Piper Cherokee with three persons on board enroute from an unknown origin to Charlotte, North Carolina. South Carolina CAP located the downed aircraft four miles northwest of Lockhart, South Carolina and the Union County Sheriff used ground vehicles to recover the three survivors.

NEW MEXICO

Missing Rider. New Mexico CAP and New Mexico State police were credited with location of a missing horseback rider near Des Moines, New Mexico and recovery of the survivor by a ground team.

ALASKA

Overdue Aircraft. A Helio-Courier aircraft with three persons on board failed to return to Fairbanks from a flight to an area 100 miles south of the city. The pilot had not filed a flight plan and the aircraft was seven days overdue when reported by a friend. Anchorage CAP located the aircraft crashed on a sandbar 150 miles northwest of Anchorage. The three uninjured survivors were recovered by an Air Force rescue helicopter and delivered to Anchorage.

Weather Check. John Bales, (left), an aviation meteorologist with the FAA Denver Center, explains weather activity to Colorado CAP cadets Anthony Camacho and John Yevcak who were participants in the "Rocky Mountain High" search and rescue competition. (Photo by West Twomey)





Team Member. Cadet Barbara Price participated in the North Central Region search and rescue exercise as a member of the Iowa Wing ground team. The Iowa team was winner of the Top Ground Team Category in the exercise competition. (Photo by Rand McNatt)

WISCONSIN

Cardiac Arrest. Wisconsin CAP responded to a request from the Wisconsin Division of Emergency Government for the immediate evacuation of a 71 year-old woman suffering from cardiac arrest. The patient, along with a doctor and a nurse, were airlifted from Lac Due Flambeau, Wisconsin to Traux Field, Madison Wisconsin.

IDAHO

Spider Bite. Idaho CAP was requested to deliver serum for a critically ill two year-old boy suffering from the bite of a black widow spider. The drug was picked up at the Boise Air Terminal and delivered to Twin Falls-Sun Valley Regional Airport.

CALIFORNIA

Hang Glider. California CAP was requested to assist in the search for a 30 year-old Los Angeles man missing while hang gliding approximately seven miles west of the Tinemaha Reservoir. California CAP located the man about four miles east of the reservoir with multiple injuries and a broken leg. A helicopter was used to recover the survivor to a hospital in Lone Pine, California.

ALASKA

Lost Vehicle. Three persons were reported missing on a trip in a pick-up truck from Noorvik to Kotzebue, Alaska. The trip should have taken two hours but the group was two days overdue. Alaska CAP located and recovered the men who had made a wrong turn during a blizzard and ran out of gas 20 miles south of their destination.

COLORADO

Crashed Cessna. A Cessna 180 with one person on board was reported missing while enroute from Taos, New Mexico to Aspen, Colorado. Colorado CAP located the downed aircraft in the vicinity of Blue Mesa Reservoir and the survivor was recovered by a helicopter owned by Channel 9 TV in Denver and delivered to Gunnison, Colorado.

PENNSYLVANIA

Kidney Transport. At the request of the Delaware Valley Organ Transplant System, Pennsylvania CAP transported donor kidneys from Williamsport to Pottstown, Pennsylvania for further delivery to Jefferson University Hospital in Philadelphia for transplants for two critical patients.

SOUTH DAKOTA

Blood Transfer. At the request of the United Blood Service of Rapid City, South Dakota, blood was transported from Rapid City to Gillette, Wyoming by the South Dakota CAP for use in treatment of a 19 year-old woman suffering from hemorrhaging.

PENNSYLVANIA

Mercy Mission. At the request of Dr. Philip Breen of the Geisinger Medical Center, Pennsylvania CAP transported a donor kidney from Danville, Pennsylvania to the Jefferson Medical Center in Philadelphia. A kidney transplant specialist accompanied the CAP pilot on the flight.

SAR Competition. Brig Gen David L. Patton, (left) Commander of HQ CAP-USAF and CAP Executive Director, and Col E. J. Zulauf, USAF-CAP Rocky Mountain Liaison Region Commander, check records of CAP aircraft participating in the "Rocky Mountain High" exercise. The second annual region-wide search and rescue competition was held in Longmont, Colorado in July.





Flight Planning. Colorado CAP pilots Leonard Bluebaugh (left), Warren Weikle, (center) and Ellison Cordray plan their flight route for participation in the "Rocky Mountain High" exercise. Teams from Utah, Wyoming, Colorado, and Montana won trophies in the various phases of the competition. (Photo by Don Lewis)

NEW MEXICO

Fall Victim. At the request of Mercy Hospital in Durango, Colorado, New Mexico CAP airlifted whole blood from Albuquerque, New Mexico to Durango. The blood was urgently needed for a patient suffering from massive internal injuries sustained in a fall from a water tower.

ALASKA

Snowmobilers Saved. Alaska State Police requested CAP assistance in searching for a husband and wife in their mid-sixties, and a six year-old child overdue on a snowmobile trip from Selawik to Noorvik, Alaska. Alaska CAP located the party near a lake five miles southeast of Noorvik and directed a ground team to their location. The stranded party was in a life threatening situation because of low temperatures and lack of survival gear.

MINNESOTA

Lost Children. The Cass County Sheriff requested assistance of Minnesota CAP in searching for two missing girls ages 9 and 10. Minnesota CAP located the children 4 miles north of Pine River in good condition. They were recovered by a CAP ground team and returned to their homes in Pine River.

Region Test. More than 200 Civil Air Patrol members from the seven CAP Wings of the North Central Region gathered in Lincoln, Nebraska for the region's first search and rescue competition. Kathleen Morris briefed members of the Nebraska Wing team, (from left) Randy Sutton, Rita Sutton and Barry Bruns prior to a practice mission. The Nebraska Wing won Best Aircrew and Best Overall Wing Performance recognition in the competition. (Photo by Rand McNatt)



SARDA Test. Louisiana Wing Commander George Sartis, Louisiana Wing Chief of Staff Marjorie Berkowitz and Mr. Joseph Modicut, State and Regional Disaster Airlift (SARDA) Coordinator for the Louisiana Department of Aviation, assign tasks to CAP units at four SARDA control airports during the first multi-state, federal and military SARDA test.

CALIFORNIA

Five Saved. While involved in a search for a light aircraft missing enroute from South Lake Tahoe to San Jose, California CAP was alerted by the Sacramento Flight Service Station of another downed aircraft. California CAP located the crashed aircraft and the five persons on board were recovered safely by CAP and Army National Guard helicopters. The original search objective was located by Nevada CAP and the pilot of that aircraft was deceased.

TEXAS

Fatal Crash. Texas CAP assisted the Texas Department of Public Safety in searching for a missing aircraft with two persons on board, enroute from an unknown point to an unknown destination with no flight plan filed. Texas CAP and a helicopter from Colorado County Sheriff Department located the downed aircraft near Eagle Lake, Texas. A CAP ground team recovered one survivor and one deceased and delivered the survivor to Methodist Hospital in Houston.

ALASKA

Crash Landing. A PA-18 light aircraft was reported overdue on a flight from Manley Hot Springs to a mining camp 150 miles west of Fairbanks, Alaska. Alaska CAP located the crash area from ELT transmissions, but was unable to visually sight the aircraft due to weather conditions and oncoming nightfall. The next morning a 71st ARRS helicopter recovered the pilot to Fairbanks. The passengers on the overdue aircraft had been delivered to the mining camp prior to the mechanical difficulties that forced the aircraft to crash land in a remote area.

NORTH CAROLINA

Blood Delivery. The American Red Cross in Asheville, North Carolina requested the immediate transfer of blood to Johnson City, Tennessee for a patient suffering from internal bleeding. Weather conditions in the area ruled out the use of aircraft or commercial vehicles. North Carolina CAP used a four-wheel drive vehicle to complete the mission.

DISASTER RELIEF

Under Department of Defense Directive 3025.1, military resources may be used to supplement assistance to state and local governments to alleviate the suffering and damage that result from peace-time civil emergencies.

The Department of the Army is designated as the executive agent for all military support to civil authorities while the Air Force Reserve (AFRES) is assigned overall responsibility for Air Force disaster planning and for coordinating and directing Air Force response to civil disaster requirements.

As the official civilian auxiliary of the Air Force under Public Law 557, the Civil Air Patrol can be asked to perform Air Force noncombatant missions which include military assistance to civil authorities during peace-time 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," directly from civil authority.

Each Civil Air Patrol wing has negotiated a memorandum of understanding with its individual state Emergency Management Agency to assist local and state authorities in emergencies that are not of sufficient magnitude to warrant military assistance.

DISASTER MISSIONS

INDIANA. At the request of civil defense the CAP Indiana Wing provided authorities with communications, vehicles, and aerial damage surveillance during two snowstorms and a flood.

MICHIGAN. Michigan requested and received CAP assistance in the form of radios, ground transportation, aerial surveillance, and sand bagging during two spring floods.

IOWA. An AMTRAK train derailment in Emerson, Iowa brought a request for aerial reconnaissance of the disaster area by the CAP Missouri Wing.

Disaster Relief. Maj James Black and other senior and cadet members of Iowa's Red Oak Composite Squadron assisted in cleanup operations in the aftermath of a violent flash flood that devastated the small town of Emerson and caused a train derailment. (Photo courtesy of Des Moines Register and Tribune)



Disaster Test. The Red Oak Composite Squadron of the Iowa Wing provided CAP rescue teams to participate in a county wide test of capabilities to respond to a major disaster. Volunteer victims were removed from helicopters and transported to the hospital by the CAP teams. (Photo by James Black)

CIVIL DEFENSE

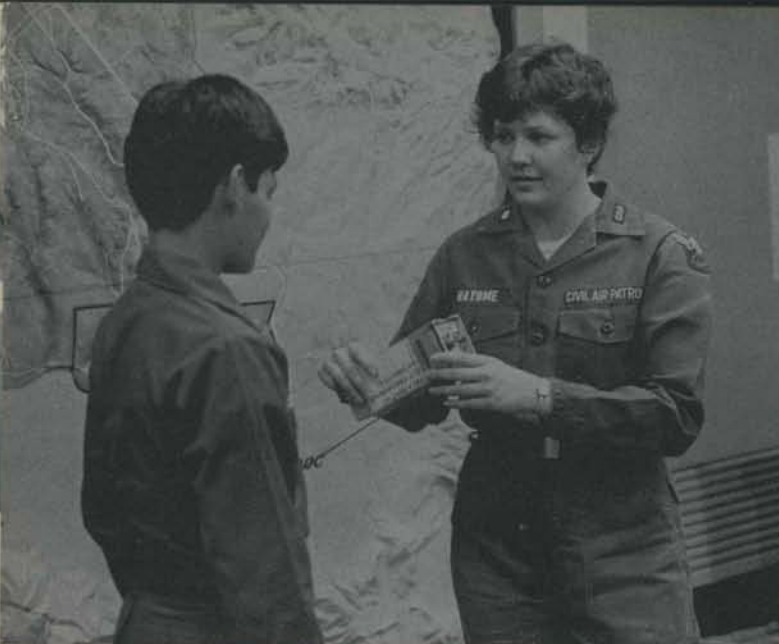
The national civil defense program is an integral part of national security and is an essential element of the U.S. deterrent posture. Accordingly, the Joint Chiefs of Staff are authorized to call upon the military services for resources needed to support civil defense. The Secretary of the Air Force is required by Department of Defense Directives to "furnish appropriate assistance to units of the Civil Air Patrol engaged in missions related to military support of civil defense."

The AFRES Air Force State Preparedness Liaison Officer attached to each State Area Commander staff will coordinate the military use of CAP Resources. Mr. Ted Briant, Federal Aviation Administration (FAA); Mr. William Belford, Federal Emergency Management Agency (FEMA); Colonel Everett Sutton, U.S. Readiness Command; and Major Duane Haring, Air Force Reserve, have worked closely with Civil Air Patrol in developing the CAP wartime role to support both civil and military non-combatant requirements. Foremost among these missions are aerial damage assessment, aerial radiological monitoring, communications and operation support for the State and Regional Disaster Airlift Plan for each state.

FEMA has requested CAP participation in ten regional civil/military conferences to acquaint civil authorities with state, regional and national level plans relating to civil and military defense emergencies.

Check-Out. Lt Col Betty McNabb prepared to depart Panama City, Florida to provide a check-flight for Warner Herbert. The 73 year-old pilot serves as Operations Officer for the Coast Guard Auxiliary and Flight Safety Officer for the CAP Southeast Region. Although she didn't learn to fly until she was 40, she has since logged 7,400 hours of flight time and checked out in 18 types of aircraft.





ELT Training. Lt Janice Rayome demonstrates the operation of an Emergency Locator Transmitter (ELT) to Cadet Mike Magallanes. They and other members of California's Atwater Composite Squadron participated in the unit's two-day "Cadet Conference 82" held at Vandenberg AFB.

STATE AND REGIONAL DISASTER AIRLIFT (SARDA) PLAN

The Federal Aviation Administration requested CAP support in revitalizing state SARDA plans for the effective use of the nation's 209,000 non-air carrier aircraft and 603,000 private and commercial pilots during an emergency. Mr. Stan Hicks of FEMA Region VI, agreed to coordinate a joint effort between Texas, Louisiana, FAA, FEMA, and CAP to review, rewrite and exercise the SARDA concept. In cooperation with the Texas Chief of Disaster Emergency Services, Mr. Robert Lansford; Mr. Michael McCullough, Texas Aeronautical Commission; and Colonel George Way, Texas CAP Wing Commander, the Texas SARDA plan was exercised in June. Also, Louisiana CAP Wing Commander, Colonel George Sartis assisted Mr. David Blackshear, Director of Aviation, and Mr. Joseph Colson, Director of Emergency Management for the state of Louisiana in developing a new state prototype SARDA plan.

In August, the plan was tested and critiqued by the Louisiana Emergency Operations Center, CAP, FAA, FEMA, the North American Air Defense Command, the National Emergency Airborne Command Post, and the Air Force Emergency Operations Center. As a result of this successful exercise, Mr. Blackshear placed a resolution before the National Association of State Aviation officials (NASAO) urging that each state "undertake an immediate detailed review and revision of their state SARDA plan," and "fully integrate the Civil Air Patrol in each state to support command and control of SARDA operations."

The resolution was passed in September by the NASAO membership. They also recommended that SARDA be incorporated into annual national civil/military exercises. Mr. Joseph Cate of FAA is working with CAP to update the FAA/CAP Memorandum of Understanding relating to the CAP role in SARDA.

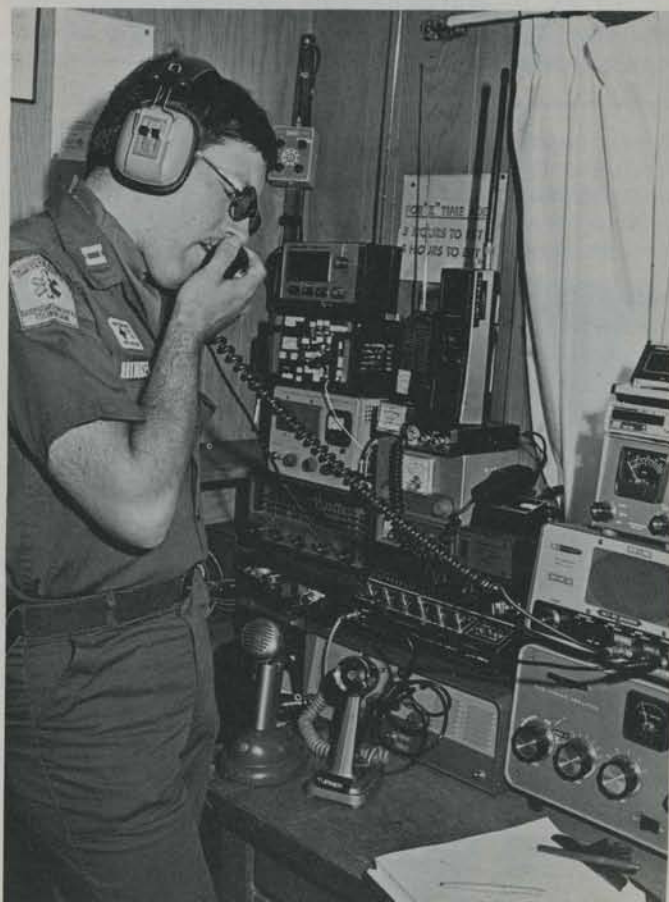
SARSAT PROJECT

Civil Air Patrol will help the Air Force test the Search and Rescue Satellite-Aided Tracking (SARSAT) system by activating test beacons at selected sites throughout the United States. 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 and aircraft in distress. SARSAT will use satellites in low, near-polar orbit to monitor for distress transmissions which will be relayed to ground stations to fix the location of the emergency. A mission control center will use the data to alert the appropriate rescue coordination center.

CAP will aid the SARSAT system test effort in two ways. First, two aircraft each from the Florida, Colorado, Washington, Alaska Wings and one from the Arizona Wing are being modified with a new generation ELT. The new ELT will decrease or eliminate false activations that current ELTs now experience. Also, at various locations in the United States, CAP wings will activate a field unit of the new ELT to measure the system coverage, accuracy, and reliability.

Using the Russian satellite already in orbit, the system has been used to locate and save three individuals who crashed in the mountains of Western Canada. Several non-distress emergency transmitters have also been located with great accuracy. When fully operational, the SARSAT system will be a tremendous aid to the CAP search and rescue mission.

Test Exercise. Communications Officer Duane Hinkel was among 90 New York wing members participating in a search and rescue test conducted at Hornell, New York. Some 40 sorties were flown during the test mission that resulted in location of a simulated missing aircraft. (Photo by Layman Jones)





Disaster Monitoring. CAP Lt Col Lawrence F. Lis, Director of Operations for the CAP Illinois Wing, is shown with video equipment used to transmit live aerial pictures to the Illinois Emergency Operations Center during disaster situations. When a violent tornado devastated the town of Grenier, Illinois and on another occasion when a river barge loaded with benzene crashed into a lock in the Mississippi River, the video capability provided State Civil Defense officials with live pictures of the disasters, enabling them to quickly assess the problem and make decisions. Since initiation of the pilot program in Illinois, several other CAP wings have adopted the system and the American National Red Cross has expressed a strong interest in cooperative use of this capability.

COMMUNICATIONS

With its nationwide communications network, CAP continues to provide outstanding communications support in fulfilling its responsibilities in search and rescue and local emergencies. Activation of the network system commences with the National Headquarters station at Maxwell AFB, Alabama, which conducts a daily net with stations in each of the eight CAP regions. Region stations then participate in network broadcasts involving stations in each of their wings. Wing stations conduct networks within their state which provide contact with all echelons and which can be monitored by individual CAP members. This relay system enables communications between National Headquarters and locations throughout the United States.

Additionally, there are special nets organized for specific purposes. The varied frequencies on HF, VHF, and citizens radio service permit many networks to operate simultaneously without interfering with each other. The CAP networks can interface with state, local, and national radio nets to provide an effective communications system during any emergency.

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 surveys 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 1982, the following CAP wings assisted in the survey of 19 training routes:

Alabama	Nevada	Tennessee
Arizona	North Carolina	Texas
Louisiana	North Dakota	Washington
Maine	South Carolina	Wyoming
Montana	South Dakota	

AIR FORCE PARTS AND PERSONNEL TRANSPORT

A limited Civil Air Patrol activity, the transporting of aircraft parts, personnel, and other required items, is benefitting 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 1982, New York South Carolina, and Virginia wings flew support missions for Air Force bases in their states.

Environmental Mission. Fred Lambe, (left) and Peggy Howe of the CAP North Carolina Wing make last minute adjustment to an Enviropod prior to an aerial photographic mission. The Enviropod is a self-contained two camera system developed for Air Force use in Vietnam that now has many varied peacetime uses. The 145-pound device is attached to the fuselage of a CAP corporate owned aircraft. For several months members of North Carolina's Raleigh Wake Composite Squadron have participated in a pilot project in cooperation with the Environmental Protection Agency to collect photographic data for the Air Force and several other governmental agencies.



THE CADET PROGRAM

The Cadet Program is one of the three missions of Civil Air Patrol and is designed to provide American youth a structured program of personal development in today's aerospace environment. The program is open to United States citizens and persons lawfully admitted for permanent residence to the United States and its territories and possessions who are 13, or have satisfactorily completed the sixth grade, through 18 years of age. Upon reaching 18, cadets may choose to either become senior members or continue in the cadet program until their 21st birthday.

The program provides cadets with opportunities to develop their leadership skills in an aerospace oriented environment. Learning is achieved through a combination of study and performance and involves both individual and group effort. Cadets learn and develop under the guidance of adult CAP leaders and with the advice and assistance of U.S. Air Force liaison personnel. Cadets progress at their own pace through a structured program of 15 achievements including aerospace education, leadership, and activities. Throughout the program, cadets become eligible to participate in encampments, orientation flights, and a variety of national and international activities. Other incentives and benefits include: increases in cadet rank, receipt of ribbons and award certificates, eligibility to compete for academic and flight scholarships, and advanced entry rank of E-3 should a Mitchell Award recipient choose to enlist in the U.S. Air Force.

CADET ENCAMPMENTS

Each year, several thousand Civil Air Patrol cadets attend encampments at Air Force bases and other military facilities throughout the United States and Puerto Rico. For many cadets, this is their first exposure to the everyday excitement and challenge of the aerospace world. Although CAP activities are military oriented, there is no substitute for a personal visit, personal involvement and the opportunity to meet, talk with and observe men and women of the active armed forces. Cadets are exposed to the military life style, and 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 and is a prerequisite to earning the General 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 and automatically qualify for the grade of Airman First Class (E-3), should they choose to enlist in the Air Force. During 1982, 6,833 CAP cadets and 1,353 CAP senior members attended encampments. Encampments were conducted at 32 active Air Force bases and at 25 other Department of Defense facilities. An additional 34 encampments were conducted at non-DOD facilities.



Carolina Cadets. Four former CAP cadets from North Carolina's Raleigh-Wake County Cadet Squadron were attending the Air Force Academy during the same time period. They are, from left: Andrew E. Sizemore, John E. Ogle, Blanche B. Godwin and Walter H. Leach. Leach graduated in June and went on to helicopter training at Fort Rucker, Alabama. Goodwin and Sizemore are in the Class of 1983 and Ogle is in the Class of 1985.



Barracks Inspection. Cadet Ron Broden (left) assists Lt Col William Rectenwald during a barracks inspection at the Illinois Wing cadet encampment held at Volk Field, Wisconsin. The encampment was attended by 240 cadets supported by 28 CAP senior members and four Air Force Reservists. More than 200 orientation flights were flown using three Cessna aircraft and 50 selected cadets were permitted to witness airborne refueling while aboard a KC-135 from the 126th Air Refueling wing of the Illinois Air National Guard.

INTERNATIONAL AIR CADET EXCHANGE (IACE)

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

During the past year, 106 cadets and 21 senior escorts were exchanged. The exchanges with Canada and 12 European/Middle East countries are arranged through the IACE Association. Annual exchanges with nonmember countries are negotiated bilaterally. Of the Pacific countries invited to participate in the exchange last year, three accepted.

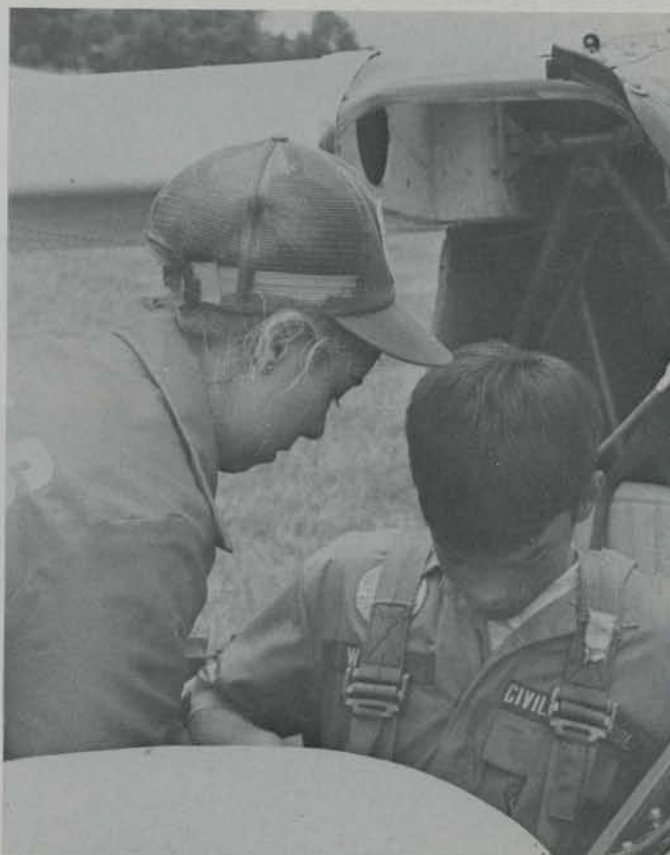
Currently the length of the exchange is 19 days. Sponsoring organizations in each country provide their visitors with a variety of activities such as tours of Air Force installations, aerospace industries and museums, visits to airports and air traffic control facilities, orientation flights in gliders and powered aircraft, and sight-seeing trips. Visitors usually stay in the homes of host families to enhance mutual understanding and cultural exchange.

FLIGHT TRAINING

Civil Air Patrol allocated \$28,000 in its fiscal year 1982 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.

All CAP cadets may qualify for a series of six 30-minute orientation flights. The program is funded and conducted at wing and unit levels, but the national treasury provides partial reimbursement for the first flight. During 1982, the 52 wings and overseas units were partially reimbursed for the expense of providing over 2,600 cadets with their first flight experience through a locally conducted orientation flight program.

Solo Flight. Cadet Sue Plank assists Cadet Joe Wills in preparation for his solo glider flight. Fifty-eight cadets earned their solo wings during the 17th annual Illinois Wing Cadet Flight Encampment. (Photo by Betty Henderson)





Command Visit. Civil Air Patrol cadets attending a Blue Beret encampment at Oshkosh, Wisconsin were greeted by Air Force Brig Gen David L. Patton (left), CAP Executive Director and Commander of HQ CAP-USAF, and Col William B. Cass, CAP National Vice Commander. More than 140 cadets participated in the activity which was conducted simultaneously with the Experimental Aircraft Association's annual airshow at Oshkosh.

CADET SPECIAL ACTIVITIES

In addition to opportunities for attending encampments and locally planned activities, cadets may also qualify to participate in a number of nationally conducted special activities. A total of 553 cadets participated in special activities in 1982. The most glamorous is the - **International Air Cadet Exchange** which involved 106 cadets and 21 adult escorts in a three week exchange with 13 other countries. The **Cadet Officers School** conducted at Gunter AFS, Alabama and taught by Air University faculty was attended by 93 cadets from 30 CAP wings. The ten-day course featured the development and application of basic leadership and management skills.

The **National Cadet Competition** conducted at Maxwell AFB, Alabama during the last week in December was attended by 128 cadets and 32 escorts. A sixteen-member team from each of the eight CAP regions participated in the competition and was tested in aerospace knowledge, physical fitness and precision drill. The New York Wing Team representing the CAP Northeast Region was Sweepstakes Winner in the competition. The **Air Force Academy Survival Course** was attended by 62 cadets from 21 CAP wings. The eight-day course conducted at the Air Force Academy and taught by Academy instructors, acquainted cadets with the art of survival in mountainous country.

Flight Training. CAP Maj Ed Hillyard, glider instructor, talks with cadets Joe Kolls and Elizabeth Grupe during the annual Illinois Wing Cadet Flight Encampment. The three-phase encampment provided solo training for 30 cadets in gliders, 20 in powered aircraft, and eight in hot air balloon. (Photo by Betty Henderson)



CAP in Japan. The Yokota Cadet Squadron was the focus of attention for the citizens of the military community at Yokota AB, Japan during its first week-long encampment on the base. The cadets visited the Military Airlift Command's command post and flew by helicopter from Yokota to the satellite tracking facility at Camp Zama U.S. Army Base.

The Air Training Command (ATC) hosted the **ATC Familiarization Course** at four ATC Undergraduate Pilot and Navigator Training bases to acquaint 60 cadet participants with the specific activities of ATC as well as to stimulate an interest in the USAF as a career. Participating bases were Mather AFB, California; Williams AFB, Arizona; Laughlin AFB, Texas; and Columbus AFB, Mississippi. The **Pararescue Orientation Course** taught by instructors from the USAF Pararescue School was attended by 104 cadets from 33 wings. Due to the special interest of cadets in the various techniques used in rescue operations, three courses were held in different locations. They were: Kirtland AFB, New Mexico; Fort Knox, Kentucky; and George Washington National Forest Virginia.

Field Kitchen. Wing Commander George Bochenek, (center) welcomed 80 New Jersey Wing cadets on opening day of an encampment at Millville Airport. The seven-day program was conducted in an outdoor environment with the cadets living in tents and preparing meals in a U.S. Army field kitchen.





Practice Mission. Cadet Richard Hawkins marshals an Arizona CAP aircraft as it is prepared for a mission during a wing-wide search and rescue training exercise. The practice exercise provided Emergency Services training for 132 mission pilots, observers and ground crew members from 20 CAP units located throughout the state. (Photo by Jeff Walsh)

SCHOLARSHIP PROGRAM

Civil Air Patrol provided a total of \$30,000 to 48 of its members to supplement their college or vocational-technical school education. Scholarships are 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.

One Day Command. Cadets from New Jersey's Bayshore Composite Squadron were permitted to act as commander of the various Air Force units on McGuire AFB for one day. Cadet Virginia Donica was briefed on the day's schedule by Maj Gen Thomas M. Sadler, Commander of the 21st Air Force.



IACE Visit. British cadets participating in the International Air Cadet Exchange (IACE) were welcomed by Mayor Bill Frederick of Orlando, Florida. The nine cadets and their escort stayed in the homes of CAP families in the Orlando area during their visit.



Top Squadron. Drew Savage (left) Cadet Commander of the Cherokee Composite Squadron of the Illinois Wing inspects cadets, from right: Linda Prondzinski, Greg Latimer and Andy Heino. The Cherokee Squadron was selected as the 1982 CAP Squadron of Distinction based on its accomplishment of having attained the highest level of achievement within the cadet program.

SENIOR MEMBER TRAINING

In its 1946 Act to incorporate Civil Air Patrol, Congress declared that an objective of the corporation would be "to provide aviation education and training, especially for its senior and cadet members." Civil Air Patrol attracts a diverse group of members with varied education and skill levels which makes a strong and standardized training program a basic necessity. Members are trained to work with cadets and senior members, and in specialties required for the emergency services mission. Members are also trained to accomplish the day-to-day jobs in areas such as personnel, administration, logistics and finance. Because of the volunteer nature of the organization senior member training is a continuing process.

The Division of Senior Training identifies training needs and develops programs which enable senior members to more effectively accomplish the missions of Civil Air Patrol. The division staff works with CAP members in the field at all levels to develop curriculum for courses to be conducted by CAP personnel. The CAP senior training program is organized into five levels.

LEVEL I - CAP ORIENTATION COURSE (Membership Award).

The Level I CAP orientation course consists of a four-hour slide/tape presentation which introduces new members to the unique aspects of Civil Air Patrol. This course provides basic instruction in such areas as the history and organization of CAP, career development programs, activities, CAP customs, courtesies and proper wear of the CAP uniform.



Outstanding Member. Lt Col Martha D. Rowland of the CAP Southwest Region was selected as Civil Air Patrol's Outstanding Senior Member of the Year for 1982. She was presented the award during the CAP National Board Meeting in Chicago by Air Force Lt Gen Charles G. Cleveland (left), Commander of Air University and Brig Gen Johnnie Boyd, outgoing CAP National Commander.



Tough Test. Maj Jeff Wandell takes a dip as fellow CAP senior members try desperately to assist him over the obstacle. Project X, a regular part of the Air Force Squadron Officer School at Maxwell AFB, Alabama, is included in the CAP National Staff College curriculum to provide training in problem solving and group cooperation in finding solutions. (Photo by Rand McNatt)

LEVEL II - TECHNICAL SPECIALTY TRAINING AND OFFICER DEVELOPMENT (Senior Member Certificate of Proficiency)

The senior member begins to train in one or more of the CAP specialties and learns 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.

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, and receive instruction on planning unit meetings and activities. Perhaps as important as the stated course objective is the opportunity for members from the same geographical areas to get to know each other, which often results in more cooperation between units in developing and conducting activities.

In addition, senior members study a CAP Officer Course administered by the Extension Course Institute (ECI) at Gunter Air Force Station, Alabama, to help prepare them to become effective officers in Civil Air Patrol.

LEVEL III - COMMAND AND STAFF (Grover Loening Aerospace Award).

Central to this training level is the Region Staff College. These one-week courses, conducted in each of the eight regions, provide training in communicative, leadership, and management skills to squadron level command and staff officers. A total of 391 senior members graduated from region staff colleges in 1982. Successful completion of Air University's Extension Course Institute Squadron Officer School and study of four CAP pamphlets summarizing basic leadership/management theory and practice are required for completion of this level of training.



Alaska CAP ground search team personnel load a snowmobile on a DH-3 (Otter) aircraft during a winter search mission. With the highest per-capita ownership and use of aircraft in the nation and the harsh environment and difficult terrain, search and rescue efforts are everyday occurrences in the remote Alaska interior.

A Pararescue Orientation Course held in the George Washington National Forest in the mountains of northern Virginia was attended by 45 CAP cadets from the Northeast and Middle East CAP Regions. The eight-day course provided a mixture of instruction and application of learning on map reading, compass reading, knot tying, and preparation of survival foods. During the five-day wilderness phase the cadets slept in shelters made from salvaged parachutes. Each day they hiked from Wolf Gap on the Virginia-West Virginia border to a limestone escarpment called Big Schloss. The day was then spent on the mountain rappelling or rock climbing under the supervision of three professional Air Force instructors from the 1550th Aircrew Training and Test Wing at Kirtland AFB, New Mexico.





The annual International Air Cadet Exchange (IACE) program is designed to foster international understanding, goodwill, and friendship among young people who share a common interest in aviation. Representative Nick J. Rahall, II of West Virginia (left) and Mr. George P. A. Forschler, Deputy Assistant Secretary of the Air Force for Reserve Affairs greeted CAP cadets and visiting cadets from Canada, Europe, and the

Middle East during the Washington D.C. phase of the exchange. The 1982 IACE involved the exchange of 107 CAP cadets and 22 senior escorts with a similar number from 13 other countries. Congressman Rahall is a CAP colonel and commander of the CAP Congressional Squadron. Mr. Forschler is a former commander of the CAP Idaho Wing and in his current position monitors all CAP programs.



The National Congress on Aerospace Education held in Atlanta included concurrent sessions on a wide range of aerospace subjects and a special program on aerospace education learning opportunities. Among the attendees were retired Air Force Brig Gen Chuck Yeager, (left) and A. Scott Crossfield. Yeager became the first man to fly faster than sound when he flew the Bell XS-1 through the sound barrier in October 1947. Crossfield is former chief engineering test pilot for North American Aviation and was pilot of the X-15 rocket aircraft during its first 30 test flights. (Photo by Ken Kennedy)





Cadet members of the CAP National Capital Wing visited the office of each member of Congress and delivered copies of the 1982 Civil Air Patrol Annual Report to Congress. Steve Thomas (left), Cheryl Jones, and William Jones made the presentation to Congressman Charles W. Stenholm of Texas. The report was accompanied by a personal memo from the CAP Wing Commander in each Congressman's home state.

The 15th annual National Congress on Aerospace Education held in Atlanta in early April was sponsored by Civil Air Patrol, the Federal Aviation Administration, the National Aeronautics and Space Administration, and the National Air and Space Museum. Among the 700 attendees at the 3-day congress were Dr. Paul E. Garber (left) and retired German Air Force General Adolf Galland. Dr. Garber is historian emeritus of the National Air and Space Museum and Gen Galland is a World War II Luftwaffe "Ace."





Ground teams are essential to the success of most search and rescue operations. They often can begin the mission and continue it when weather conditions preclude or interrupt air search. Ground teams also perform the interrogation function of investigating leads which often provides invaluable information to aid the mission coordinator in directing air search. They are usually the first to arrive at an accident site to provide life-saving first aid. An Iowa Wing CAP ground team, above, provides first-aid during a search and rescue training exercise held in the Red Oak area. (Photo by Jim Black)

Students at the CAP Cadet Officer School conducted at Gunter AFS, Alabama during July and August had access to a number of Air Force professional military education facilities including the Air University Library at Maxwell AFB, Alabama. The course consisting of classroom study, auditorium lectures, and physical activities has been conducted annually since 1969. (Photo by Rand McNatt)



LEVEL IV - SENIOR COMMAND AND STAFF (Paul E. Garber Award).

This level is designed for those members who desire to become high-level leaders in CAP. Ideally, every wing and region commander should complete Level IV. 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. They also attend the ten-day National Staff College (NSC) conducted annually at Gunter Air Force Station and Maxwell AFB, Alabama. This course provides advanced leadership/management training for wing and region command and staff personnel who have completed a region staff college. 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 course. Fifty-four senior members graduated from this course in 1982.



CAP-MAP Award. The Civil Air Patrol-Management Analysis Program (CAP-MAP) is designed to select the top performing wing in each of the eight regions. Col John P. Ratcliff, (center) accepted the CAP-MAP "Top 8 of the 80's" Award on behalf of all members of the West Virginia Wing. The award was presented during the 1982 CAP National Board Meeting by CAP Executive Director Brig Gen David L. Patton, (left) and CAP National Commander Brig Gen Johnnie Boyd.

LEVEL V - USAF SENIOR SCHOOL (Gill Robb Wilson Award).

The academic accomplishment required in Level V is completion of Air University's Air War College Associate Program. The training provides an insight into international affairs, advanced leadership and management techniques and Air Force policy and doctrine. Three years experience in a command or staff position is also required for completion of this training. Only the most dedicated senior member will achieve this level.

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:

- **Flight Clinics.** Civil Air Patrol encourages flight safety by providing financial assistance to CAP pilots who attend a flight clinic sponsored by either Civil Air Patrol, Federal Aviation Administration, Aircraft Owners and Pilots Association or any other flight safety organization. The clinics include ground instruction in essential subjects such as flying safety, FAA regulations, emergency procedures, flight planning, and aviation weather. Clinic participants also demonstrate safe aircraft piloting skills to an FAA-certified flight instructor or a qualified CAP check pilot. During 1982, 70 flight clinics were conducted by CAP or other agencies throughout the country and were attended by 2,166 CAP pilots.

- **National Search and Rescue (SAR) School.** The National SAR School is designed to enhance the professionalism of SAR mission coordinators. In 1982, 36 CAP personnel attended the 1-week course conducted by the USAF and USCG at Governor's Island, New York. An additional 13 members attended the school conducted at McClellan AFB, Sacramento, California, for CAP members on the west coast.

- **Mission Coordinator Courses.** Mission coordinator courses are conducted by the Air Force Aerospace Rescue and Recovery Service at locations throughout the country. The two-day program provides mission coordinator training to persons involved in the inland search and rescue mission under the National Search and Rescue Plan.



Three Generations. The five CAP members above span three generations and represent a total of 93 years of volunteer service with CAP. They are (from left): Lt Col Ross Sedita, Southeast Region; Lt Col Elizabeth Sedita, Florida Wing; Cadet G.R. Medina, Mississippi Wing; Lt Col Donna Medina, Mississippi Wing, and Lt Col Gabriel Medina, Mississippi Wing. (Photo by Chet Borgan)



CAP Support. Col Howard L. Brookfield, then CAP Vice Commander, (left), presented a \$500 check to Air Force Brig Gen David L. Patton, CAP Executive Director and Commander CAP-USAF. Civil Air Patrol donated the money in support of the Air Force Assistance Fund Campaign. (Photo by Bill Odom)

● **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 exercise is training gained through the opportunity provided to practice mission skills under realistic conditions.

● **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.

● **Communications Training.** Annual communications schools are conducted by the CAP Northeast Region at Kutztown State College, Kutztown, Pennsylvania, and by the Great Lakes Region at Grissom AFB, Indiana. The schools are open to senior and cadet members and provide specialized training in communications procedures and techniques that qualifies attendees for CAP communications officer positions in their CAP units of assignment.

● **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.



FAA Survey. Cadets Mike Duckett and Ruth Molnar interview a pilot at Maryland Airport in Charles County, Maryland. The cadets, from Maryland's Mary County Composite Squadron assisted in the Federal Aviation Administration's General Aviation Pilot and Aircraft Activity Survey.

● **Air Force Survival Continuation Training.** Public Law 557 authorizes the Air Force to use the services of Civil Air Patrol in support of local programs. The 4950th Test Wing at Wright-Patterson AFB, Ohio, is using the CAP Ohio Wing to assist with continuation survival training of Air Force aircrew members. In accordance with techniques established at formal survival school, Air Force survival instructors at Wright-Patterson use Ohio CAP pilots, planes, and radios to teach aircraft vectoring procedures to aircrews for use in downed aircraft situations. Personnel on the ground transmit vectoring instructions and other information to the airborne aircraft, based on direction of the aircraft sound, distinguishing landmarks of the area, and, if possible, the known geographical location of the ground site. Ground personnel also train with various signaling devices that downed aircrew members could use to communicate their location and needs to airborne personnel. Airborne personnel provide instant feedback to ground personnel on the effectiveness of their efforts. The experience, rather than standard textbook training, provides Air Force aircrews first-hand experience in guiding and communicating with a search aircraft should the need ever arise.

Public Service Citation. Jeff Anderson of Iowa's Red Oak Optimist Composite Squadron presented CAP Public Service Citations to Judy Neville, President of the Jaynes Club; and George Maher, President of Houghton State Bank in appreciation of financial support of the squadron by the two organizations.



CAP CHAPLAINCY

The CAP chaplaincy, with nearly 1,000 men and women representing 125 religious denominations serving as CAP chaplains, is the largest volunteer chaplaincy in the world. These clergy from the civilian sector play a specialized and vital role in the religious life, morale, and morals of the approximately 60,000 Civil Air Patrol cadets and senior members. Each chaplain is carefully screened for professional competence and then must receive ecclesiastical endorsement by his or her denomination. The CAP chaplain force is further augmented by some 350 visiting clergy (not members of Civil Air Patrol) who conduct the cadet moral leadership training program in squadrons that are without an appointed CAP chaplain.

The ultimate goal of the moral leadership program is to equip America's youth, tomorrow's leaders, with a deep sensitivity and strong commitment to moral, spiritual, and patriotic values. By encouraging cadet participation in character, citizenship, and moral leadership discussions, the CAP chaplain helps prepare the cadet mentally and morally to face the world of tomorrow.

This year a giant stride was taken in defining the chaplain role and function in all of Civil Air Patrol's missions: Emergency Services, Cadet Program, and Aerospace Education, with the completion of a basic training program for CAP chaplains. During 1982, CAP chaplains contributed more than 162,000 man-hours to CAP, conducting "Values For Living" sessions, personal interviews and counseling sessions, visitations to units and homes, conducting religious services and rites, and attending innumerable other CAP activities, including Region and Wing chaplain conferences at their own expense. As a key member of the CAP unit commanders staff, the chaplain serves as a significant liaison between the CAP unit and the member's home, church, and community.

Chaplain Award. Chaplain Henry E. May Jr., of North Carolina's Winston-Salem Composite Squadron was presented the Thomas C. Casaday Unit Chaplain of the Year Award by Brig Gen Casaday, former CAP National Commander. The presentation was made during the annual meeting of the CAP National Board in Chicago.



Chaplain Class. Air Force Chaplain Cecil Richardson conducts a moral leadership class for CAP cadets during New Mexico's annual encampment at Kirtland AFB.

1982 HIGHLIGHTS

The Casaday-Elmore Ministerial Grant of \$500.00 was awarded to Cadet Paul S. Andreasen, CAP Tuscaloosa, Composite Squadron, Alabama Wing for use toward an education in the ministry-related field.

Ch, Major, Henry E. May, Jr., CAP, Winston-Salem Composite Squadron, North Carolina Wing, received the Thomas C. Casaday Unit Chaplain of the Year Award.

Ch, Lt Col, Chester F. Wrzaszczak, CAP Pacific Region Chaplain was presented the CAP Chaplain of the Year Award.

Principal speakers at the Civil Air Patrol National Chaplain Meeting in Chicago, IL, included Chaplain, Major General, John A. Collins, Chief of Chaplains, USAF and Dr. Joseph A. Sittler, Professor of Theology, Emeritus, University of Chicago.

Civil Air Patrol cadets participated in USAF sponsored Christian Encounter Conferences at Milligan College, Johnson City, Tennessee.



Family Affair. Three generations of the Moore family are members of Civil Air Patrol's North Dakota Wing. They are; (from left) Melissia, her grandmother Doris, and mother Beverly.

SUPPORT FOR CIVIL AIR PATROL

LEGISLATIVE SUPPORT

Public Law 557 (Section 9441, Title 10 USC) was 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 Forces as the Secretary of the Air Force considers to be needed by CAP to carry out its mission.

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

d. Authorized establishment of liaison offices at national, regional, state, and territorial levels of CAP and detail of any officer or employee of the Department of the 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.

f. Authorized the payment of travel expenses and allowances to CAP members while performing missions assigned by the Air Force in time of war or national emergency.

g. Authorized the Secretary of the Air Force to use the services of CAP in fulfilling the noncombat missions of the Air Force.

Senator Member. Senator Henry M. Jackson was presented a certificate of membership in the CAP Congressional Squadron by Washington Wing Commander Theodore Tax during an Air Force Association Convention in Seattle. Senator Jackson is a long-standing supporter of Civil Air Patrol.



NCO Award. SMSgt Joseph Culverhouse (left) of the USAF-CAP Southwest Liaison Region and Msgt Frank D. Akin of the USAF-CAP Texas Wing Liaison Office were presented Outstanding Senior NCO Awards by Col Herbert L. Neathery, USAF-CAP Southwest Liaison Region Commander. Akin's award for 1981 and Culverhouse's award for 1982 were in recognition of their outstanding performance in carrying out the Air Force liaison mission with Civil Air Patrol.

AIR FORCE LIAISON SUPPORT

Under Public Law 557, the Secretary of the Air Force is authorized 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, and at not more than eight regional 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 exists in the person of the CAP-USAF Commander, Brigadier General David L. Patton. As the senior officer in the CAP-USAF liaison structure, he performs duties in a dual status.

As an active duty Air Force officer, General Patton 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 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 General Patton 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 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 Charles G. Cleveland, and Air Training Command, commanded by General Thomas M. Ryan, Jr.



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.

The 431 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 1982, USAF Reservists provided 5,932 mandays of support to the CAP. Reservists also served more than 23,000 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, civic 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.



Reserve Assistance. Capt Kenneth A. Goss (center) provided advice and assistance while on a temporary active duty tour to assist with the Air Training Command Familiarization Course conducted at Mather AFB, California. Reservists also assist local Civil Air Patrol units in an inactive duty status.



Figure 1

AIRCRAFT MODERNIZATION

The Aircraft Modernization Program (AMP) is designed to update and upgrade the Civil Air Patrol corporate aircraft fleet. The CAP corporation purchases new or late model aircraft with funds generated from the sale of older, obsolete and expensive to operate aircraft. CAP also acquires excess Department of Defense aircraft for rehabilitation and assignment to CAP wings. The rehabilitation is financed through the sale of older CAP aircraft. In the past CAP has rehabilitated U-6 Beavers, L-19 Bird Dogs, U-10D Helio Couriers, U-3s and T-34s, but the T-41B is the only type aircraft presently available from DOD excess. When a T-41B is received from the Army with either an unusable or very high-time engine, the engine is removed and a new 180 Hp engine is installed. (Figure 1) The aircraft is certified to FAA standards, a complete IFR avionics package is installed and the aircraft is painted in accordance with the approved CAP color scheme. (Figure 2)



Figure 2

STATE SUPPORT

Forty-two states appropriated funds to support their respective Civil Air Patrol Wings for Fiscal Year 1983. The total provided amounted to \$2,622,223. This recognition and support of Civil Air Patrol by state governments is greatly needed and appreciated.

WING	AMOUNT	WING	AMOUNT	WING	AMOUNT	WING	AMOUNT
Alabama	\$ 34,000	Hawaii	\$100,000	Nebraska	26,090	Rhode Island	\$ 11,300
Alaska	850,700	Illinois	141,355	Nevada	30,000	South Carolina	82,043
Arizona	71,300	Kansas	5,000	New Hampshire	20,937	South Dakota	18,609
Arkansas	38,000	Kentucky	15,000	New Mexico	67,000	Tennessee	56,800
California	86,000	Louisiana	75,000	New York	92,408	Texas	43,620
Colorado	106,467	Maine	5,000	North Carolina	77,000	Utah	25,000
Connecticut	14,000	Maryland	27,000	North Dakota	47,978	Vermont	5,000
Delaware	2,000	Minnesota	34,000	Ohio	4,000	Virginia	40,000
Florida	50,000	Mississippi	20,000	Oklahoma	20,121	Washington	10,000
Georgia	40,000	Missouri	8,995	Pennsylvania	100,000	West Virginia	89,000
				Puerto Rico	30,000	Wyoming	1,500

TEN YEARS IN REVIEW

Year	No. Wings	Amount	Year	No. Wings	Amount
1973	33	\$1,088,078	1978	35	\$1,652,198
1974	33	1,094,566	1979	38	1,823,572
1975	32	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

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 1982 included aircraft, vehicles, communications equipment, office equipment and other property with an original cost to DOD of \$2,476,404. 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 17 excess aircraft for transfer to CAP during 1982 as compared to 26 in 1981.

OCCUPANCY OF DOD FACILITIES

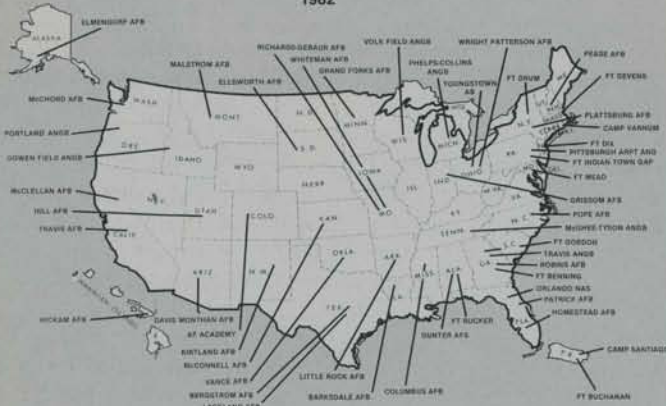
The use of Department of Defense (DOD) facilities gives some financial relief to Civil Air Patrol units. CAP units occupy approximately 325,000 square feet of DOD

building and office space at 128 locations. This accommodates less than 20 percent of the CAP units that require facilities. The reduction in the number of DOD facilities even further limits the availability of such facilities for CAP use.

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 572 CAP corporate-owned aircraft, consisting of 46 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 FACILITIES
CADET ENCAMPMENTS
1982



HOST WINGS FOR IACE CADETS
CADET ACTIVITIES
1982



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.

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

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. A policy paper, adopted unanimously by delegates to AFA's annual National Convention on September 14, 1982 stated that AFA supports: — Continued federal funding of the Civil Air Patrol and an increase in CAP's capability to perform its search and rescue mission. — Increased disability and death benefits for CAP members injured or killed on operational missions. — The CAP Cadet Program and CAP Aerospace Education mission. AFA also actively participated in the National Congress on Aerospace Education and presents a special AFA award to CAP's Cadet of the Year during the CAP National Board Meeting each year.



AFA Award. Civil Air Patrol Cadet of the Year Daniel J. Marszalek was presented a special Air Force Association Award by retired Air Force Maj Gen Daniel Callahan during the annual meeting of the CAP National Board. Marszalek is a member of the CAP Illinois Wing and Callahan is a National Director of AFA.



Agreement Signed. A three-way agreement between Civil Air Patrol, the Aircraft Owners and Pilots Association and Republic Airlines was formalized during the annual CAP National Board Meeting held in Chicago during August. The agreement provides "Affiliate Membership" in CAP to AOPA members. The CAP/AOPA affiliate members will be eligible for CAP-type air fare discount from Republic Airlines. Present at the signing was Brig Gen David L. Patton, (left) Commander of CAP-USAF and Executive Director of CAP. Officials signing the agreement were (left to right) Brig Gen Johnnie Boyd, CAP National Commander; John L. Baker, President of AOPA; and Col Robert G. Rubens, a Vice President of Republic Airlines.

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."

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.

Federal Aviation Administration (FAA). The FAA served with CAP, NASA and the National Air and Space Museum as cosponsor of the 1982 National Congress on Aerospace Education held in Atlanta in April. FAA Associate Administrator for Aviation Standards, Mr. Walt S. Luffsey, worked with the Federal Emergency Management Agency, Civil Air Patrol and the Air Force to develop a plan for management of the nation's non-air carrier aircraft fleet during national emergencies. At the request of FAA Associate Administrator for Airports, Mr. William F. Shea, CAP agreed to assist in conducting surveys of national airport facilities as required. FAA also provides speakers, films, and training material for CAP sponsored flight clinics and safety programs.



Signing Ceremony. Mr. George M. Elsey, President of the American National Red Cross and Air Force Brig Gen David L. Patton, Executive Director of Civil Air Patrol signed a revised Statement of Cooperation which will continue the long history of mutual support between the two organizations. The national agreement will insure an even stronger relationship between CAP squadrons and Red Cross chapters in their cooperative support of disaster operations. Others present at the ceremony were (from left standing): Mr. Robert Vessey, ANRC Director of Disaster Services; Air Force Colonel Byron W. King, Director of Operations, National Headquarters CAP; Mrs. Miriam Kingston, ANRC National Chairman of Disaster Volunteers; and Mr. John Berry, Chief of Disaster Preparedness, National Headquarters CAP.

American National Red Cross (ANRC). The Civil Air Patrol and the American National Red Cross continued their close cooperation during the past year which culminated in a revised national agreement. On 19 October 1982, Mr. George M. Elsey, President of the American National Red Cross; Brig Gen Howard Brookfield, CAP National Commander; and Brig Gen David L. Patton, CAP Executive Director, signed a revised statement of cooperation between the ANRC and CAP. The document defines the methods of cooperation between the two disaster relief organizations. When CAP is engaged in search and rescue or disaster relief operations in remote areas, Red Cross support may be requested for feeding, support vehicles, medical teams, and notification of next of kin when a fatality occurs. CAP may support the Red Cross with communications, ground transportation, shelter manpower and air transportation to include the movement of blood.

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 1982 were H. Rohm Stillings of the CAP Michigan Wing, and Bryan M. Boyles of the CAP California Wing. The scholarships were used for ground and flight training toward an FAA private pilot certificate.

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.

National Aeronautics and Space Administration (NASA). NASA, along with CAP, FAA, and the National Air and Space Museum, cosponsored the 1982 National Congress on Aerospace Education in Atlanta, Georgia. NASA also supports CAP's aerospace education efforts in many other ways.

United States Coast Guard Auxiliary (USCG). The USCG Auxiliary is national, voluntary, nonprofit, non-military organization dedicated to promoting safe boating through authorized activities and assisting the United States Coast Guard. CAP Executive Director, Air Force Brig Gen David L. Patton, and CAP Col Jack Vozzo, liaison to the Coast Guard Auxiliary, and several staff members attended the USCG Auxiliary National Board at Norfolk, Virginia, in September 1982. National Headquarters CAP is encouraging closer ties with the USCG Auxiliary through possible activities such as CAP participation in "Operation Seabird," an annual Coast Guard Auxiliary search and rescue exercise in Texas.

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.

United States Environmental Protection Agency (EPA). Several CAP Wings of the Middle East Region and the CAP Congressional Squadron assisted EPA in the Enviro-Pod flight test program. This airborne 2-camera reconnaissance system is capable of photographing 659 square miles of geography at 5,000 feet at a cost of approximately \$288. The Enviro-Pod constitutes a tremendous new and economical capability for aerial surveillance and holds much promise for state emergency preparedness operations.

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.

Boy Scouts of America. In April, 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 will expand the resources of both organizations and provide a better program for youth.

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



CAP Support. Gilbert F. Decker (left) President of ESL, Inc. was presented a CAP Certificate of Appreciation by Maj Lee White, Commander of California CAP Group 2 in recognition of the company's policy that provides CAP member employees paid leaves of absence to participate in CAP search and rescue missions. (Photo by Sydney Wolfe)

Federal Emergency Management Agency (FEMA). FEMA was established in 1979 to merge closely allied federal programs involved with preparedness for and response to national emergencies 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.

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

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

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.

Sailplane Donated. Ralph Brumbaugh, Executive Vice President of Alaska International Air (left) officially presented a Schweitzer 2-33A sailplane to Maj Glen Wilcox of Alaska's Yukon Senior Squadron, on behalf of his organization. The plane will form the basis of an effective glider training program for Civil Air Patrol cadets. (Photo by Everett Long)



RECOGNITION OF EXCELLENCE

UNIT RECOGNITION

Squadron of Distinction. The Cherokee Cadet Squadron of the Illinois Wing was selected as the Civil Air Patrol Squadron of Distinction. The award was based on the unit's overall accomplishments from 1 July 1981 through 30 June 1982 as well as favorable recognition by the Illinois Wing Commander and the Great Lakes Region Commander. The Squadron Commander, 1st Lt Carol A. Marszalek, and former Commander Lt Col Dolly Biela, both received the F. Ward Reilly Leadership Award in recognition of their outstanding work with the unit.

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

- (1) Hillcomber Composite Squadron, California Wing
- (2) Davenport Composite Squadron, Iowa Wing
- (3) Colonel V.I. Grissom Cadet Squadron, National Capital Wing
- (4) Libertyville-Mundelein Composite Squadron, California Wing

Top 8 of The 80's. Under the criteria of the Civil Air Patrol-Management Analysis Program (CAP-MAP), the top performing wing in each of the eight CAP regions was selected for recognition under the "Top 8 of the 80's" awards program:

Vermont — Northeast Region
West Virginia — Middle East Region
Illinois — Great Lakes Region
Georgia — Southeast Region

North Dakota — North Central Region
Oklahoma — Southwest Region
Colorado — Rocky Mountain Region
Washington — Pacific Region

INDIVIDUAL RECOGNITION

Cadet of the Year. Cadet Daniel J. Marszalek, Illinois Wing
Senior Member of the Year. Lt Col Martha D. Rowland, Southwest Region

Brewer Aerospace Memorial Awards

Cadet Category. Cadet David A. Thornton, Idaho Wing
Senior Category. Lt Col William D. Madsen, Rocky Mountain Region
Individual Category. Capt Etta L. Williams, Tennessee Wing
Organization Category. Wisconsin Aerospace Education Committee, Mr. Carl Guel
Special Aerospace Award. Brig Gen Johnnie Boyd

General Carl A. Spaatz Award Winners. The following cadets are recognized for successfully completing all phases of the structured Civil Air Patrol Cadet Program.

Alabama

David R. Mitchell, (No. 605), Gadsden Composite Sq., 1100 Forrest Ave, Gadsden 35901

California

Mike Suk, (No. 618), Billy G. Turner Composite Sq 44, P.O. Box 6479, Concord 94518

Lisa M. Taylor, (No. 619), McClellan Cadet Sq., P.O. Box 1207, N. Highlands 95825

Connecticut

Adam J. Dabrowski (No. 615), Stratford Eagles Composite Sq., P.O. Box 6395, Bridgeport 06606

Spaatz Award. Air Force Academy Cadet Dominic Strug was presented the CAP General Carl A. Spaatz Award by Brig Gen Robert D. Beckel, Commandant of Cadets at the Academy. The award was in recognition of Strug's accomplishments as a cadet member of Michigan's Utica-Sterling Cadet Squadron. He credits his CAP experience for motivating him to apply for nomination to the Academy.



Top Squadron. 1st Lt Carol A. Marszalek, Commander of the Illinois Wing Cherokee Composite Squadron, which was selected as the CAP Squadron of Distinction for 1982, was presented a plaque and F. Ward Reilly Honorarium by CAP National Commander Johnnie Boyd, (left) and CAP National Vice Commander Howard L. Brookfield.

Florida

John R. O'Neill (No. 616), Patrick Cadet Sq., P.O. Box 4155, Patrick AFB 32925

Georgia

Alan B. Berry (No. 595), Sandy Springs Cadet Sq., 3354 Spring Dr, Doraville 30360

Idaho

Robert J. Greene (No. 627), Mt Home Cadet Sq., P.O. Box 4026, Mt Home AFB 83648

David A. Thornton (No. 601), Boise Cadet Sq., 3885 Law Ave, Boise 83706

Illinois

John R. Abuja (No. 622), Northbrook Cadet Sq., 1963 Glenview Rd, Glenview 60025

Cristov Dosev (No. 607), Libertyville-Mundelein Composite Sq., Church St, Libertyville 60048

Walter M. O'Brien (No. 591), Cherokee Composite Sq., 539 Chicago Ave, Downers Gr 60515

Steven M. Turney (No. 621), Northshore Composite Sq., 914 Lacey Ave #5, Lisle 60532

Indiana

David J. Amin (No. 612), Anderson Composite Sq., P.O. Box 612, Anderson 46015

Peter J. Conte (No. 623), Allen City Cadet Sq., 3922 Turf Ln, Fort Wayne 46804

Micheal T. Orr (No. 611), Smith Field Composite Sq., 16310 Dunton Rd, Ft Wayne 46825

John M. Thackston (No. 597), Weir-Cook Cadet Sq., 2001 Greenrock Ln, Indianapolis 46203

Iowa

Dean A. Westpfahl (No. 602), Cedar Rapids Cadet Sq., P.O. Box 921, Cedar Rapids 52406

Maine

Clair D. Wood (No. 606), Bangor Composite Sq., Rainbow Tr Pk #45, Bangor 04401

Michigan

Stephen M. Belkoff (No. 599), Lake Orion Cadet Sq XII-1, 960 Central, Lake Orion 48035

Edith A. Disler (No. 590), Five Points Sq., 34276 Grove Dr, Livonia 48154

Paul L. Harris (No. 600), Dearborn Composite Sq., 3991 Monroe, Dearborn Heights 48125

Gregory R. Hudus (No. 592), Utica-Sterling Cadet Sq., 11952 Delvin, Sterling Heights 48078

Minnesota

James J. Wesslund (No. 604), St Paul Composite Sq., 4441 Madison N.E., Columbia Heights 55421

New Hampshire

Lauris E. Avery (No. 608), Falcon Cadet Sq, Rfd 7 Box 429, Laconia 03246



New Jersey

Thomas A. Kuster (No. 596), Raritan Valley Composite Sq., RD3 369 Cortelyou's Ln, Somerset 08873

Gregory F. Weidenfeld (No. 614), Pineland Composite Sq., P.O. Box 42, Brick 08723

New York

Edward R. Desocio (No. 594), Ltc RS Vankueren Sq., P.O. Box 434 Eastwood Sta., Syracuse 13206

David Hunter (No. 628), Tak Composite Sq., 520 Old Falls Blv N., Tona 14120

Robert J. Kantor (No. 593), Tak Composite Sq., 520 Old Falls Blv N., Tona 14120

Joseph Romano (No. 609), Tak Composite Sq., 520 Old Falls Blv N., Tona 14120

North Carolina

James K. Lawton, (No. 598), Raleigh-Wake Composite Sq., 1517 Duplin Rd, Raleigh 27607

Ohio

Paul M. Seketa (No. 620), Squadron 200, 673 Lakewiew Dr, Lodi 44254

Pennsylvania

Edward W. Czeck (No. 613), Hazleton Composite Sq 203, 592 Garfield St, Hazleton 18201

Sean E. Neal (No. 625), Falcon Flyers Composite Sq, 142 S. Gable Rd, Paoli 19301

Anthony R. Sodano (No. 626), Philadelphia Cadet Sq 102, N. Phila Airport, Philadelphia 19114

Puerto Rico

Peter D. Ramos (No. 624), Levittown High School Cadet Sq, P.O. Box 50048, Levittown 00950

Rhode Island

Robert S. Douglas (No. 603), South County Composite Sq, Box 34, Westerly 02891

South Dakota

Robert E. Davies (No. 589), Rushmore Composite Sq., RD Box 1975, Rapid City 57709

Honor Cadet. Air Force Academy Cadet Steven C. Suddarth earned the right to be placed on the 25-Year Honor Roll at the Academy as the former Civil Air Patrol cadet to graduate highest in order of merit in the Class of 1982. In addition to having his name added to the Honor Roll in Arnold Hall, Steven also received a personal plaque from Air Force Brig Gen David L. Patton, Commander of CAP-USA and Executive Director of CAP. Steven received a Boeing Foundation Fellowship at the University of Washington where he is studying for a master's degree in electrical engineering. Steven was formerly a cadet member of Indiana's Lafayette Composite Squadron and Purdue Cadet Flight.



Unit Citation. National Capital Wing Commander Colonel Ronald A. Quander was presented the CAP Unit Citation Award for his wing by CAP National Commander Johnnie Boyd, (left) and National Vice Commander Howard Brookfield during the CAP National Board Meeting in August.

Tennessee

Donald J. Clark (No. 617), McGhee Tyson Composite Sq, Box 9692, Knoxville 37920

Washington

Douglas B. Smith (No. 610), McChord AFB Composite Sq, P.O. Box 4059, McChord AFB 98438

Scholarship Winners. Civil Air Patrol scholarships valued at \$30,000 for academic year 1982-1983 were awarded to 48 of CAP's outstanding young men and women who are attending colleges and universities across the country.

ARIZONA

Robert Gannon

CALIFORNIA

Stephen Carey

COLORADO

Jean Maguire

FLORIDA

Stephen Hamel

ILLINOIS

Thomas Herrick
Daniel Marszalek
Thomas May
Maryann Mrowca
Marlene Murray
Carol Nordhaus
Susan Rafferty
Patrick Butler

INDIANA

Peter Conte
John Mansfield

KENTUCKY

Ross Armstrong

LOUISIANA

Robert Binford

MASSACHUSETTS

Joseph Cahill

MICHIGAN

Alan Dickinson
Kenneth Philippart
Michael Dobies
Gregory Hudas

MINNESOTA

Mark Abbot

NEBRASKA

Lois Strong

NEW MEXICO

Mathew Fisk

NEW YORK

Robert Bedard
Austyn Granville
David Hunter
Robert Kantor
James Nickodem

NORTH CAROLINA

Michael Riddle

OHIO

Christopher Donohue
Paul Seketa
Kenneth Wurtzler

OKLAHOMA

Philip Jones
Eric Vander Linden

PENNSYLVANIA

Richard Yingling

TENNESSEE

Donald Clark

TEXAS

Steven King
James Reynolds

VIRGINIA

Mark Bowers
Robert Collins

WASHINGTON

Cynthia Shaw

WEST VIRGINIA

Jack Downey

WISCONSIN

Penny Rheingans
Josef Pleli

PUERTO RICO

Kevin Christian

HAWAII

Daniel Hanley

GREAT LAKES REGION

Esther Rolando

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)

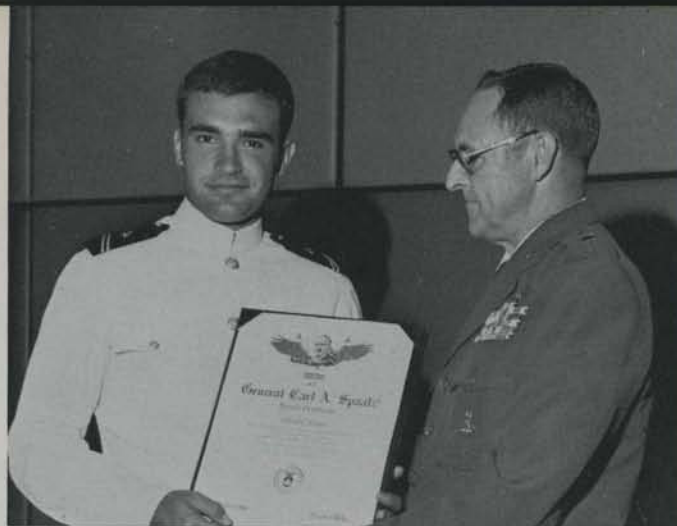
- | | |
|----------------------------|-------------------------------|
| * Gill Robb Wilson - 1972 | Edwin Lyons - 1973 |
| * Carl A. Spaatz - 1972 | * Earle L. Johnson - 1974 |
| D. Harold Byrd - 1972 | S. Hallock duPont, Jr. - 1974 |
| William C. Whelen - 1972 | James E. Carter - 1974 |
| * Paul W. Turner - 1972 | William M. Patterson - 1976 |
| Lyle W. Castle - 1972 | Zack T. Mosley - 1976 |
| * F. Ward Reilly - 1972 | * Robert H. Herweh - 1979 |
| Clara E. Livingston - 1972 | Mervin K. Strickler - 1979 |
| Joseph S. Bergin - 1972 | Thomas C. Casaday - 1980 |
| Alan C. Perkinson - 1972 | Louisa S. Morse - 1982 |
| Lucas V. Beau - 1973 | Gordon T. Weir - 1982 |

* Deceased



Alabama Test. Alabama Wing cadet Patrick Geddes rappels under the guidance of U.S. Army 2nd Lt Thomas Bobowski during an encampment exercise at Fort Rucker, Alabama.

Virginia Agreement. Virginia Governor Charles S. Robb signed a joint disaster relief agreement between the Commonwealth of Virginia and Virginia's Civil Air Patrol Wing in a ceremony in the Governor's office. Other participants in the ceremony were (from left): Andrew Foberty, Secretary of Transportation; Kim Anderson, Coordinator for the Virginia Office of Emergency Services; Col Floyd B. Callihan, Commander of Virginia's CAP Wing; and Lt Col Moorehead Foard, Director of Operations for the CAP Virginia Wing. (Photo by Peter Shookner)



Spaatz Award. Cristov Dosev was presented CAP's highest cadet award, the General Carl A. Spaatz Award, by CAP Brig Gen Johnnie Boyd. Cristov is a member of Illinois Wing's Libertyville Mundelein Squadron and is attending the University of Florida on a U.S. Navy ROTC and Marine Corps scholarship.

Gill Robb Wilson Award. This is the highest award attainable in the Senior Member Training Program. In addition to earning the Paul E. Garber Award and completing three years in a CAP command or staff position, recipients of the Gill Robb Wilson Award must have successfully completed the USAF Air War College Correspondence Course conducted by Air University, Maxwell AFB, AL. Gill Robb Wilson Awards were earned by the following CAP senior members during 1982.

MICHIGAN

John F. Price, 20006

KENTUCKY

George M. Hudson, 15001

KANSAS

George M. Boyd, 14001

TEXAS

James P. Loeller, 42076

FLORIDA

Joseph F. Connolly, 08143

CALIFORNIA

Sean J. Habina, 04001

VIRGINIA

Robert F. Garber, 45001

WASHINGTON

Clarence Miles, 46001

NEW YORK

Donald Halbedt, 29067

NORTH CAROLINA

Louise G. White, 32001



Cadet Competition. The 1982 National Cadet Competition conducted at Maxwell AFB, Alabama during the Christmas holidays involved participating teams from each of the eight CAP regions. Region teams were chosen earlier in competitions between winners of 52 wing competitions. The two-day event consisted of a series of drill competitions, physical fitness tests, and oral and written examinations on aerospace subjects. The Northeast Region Team from New York took top honors and was awarded the Air Force Chief of Staff Trophy at the close of the event. (Photo by Rand McNatt)



Highest Achievement. Cadet Steven Rickert of Pennsylvania's Glenside Composite Squadron 903 was presented the General Carl A. Spaatz Award by Pennsylvania Governor Richard Thornburgh. The Spaatz Award recognizes completion of the structured CAP Cadet Program and is earned by only a few select cadets each year. Steven attends Temple University and is enrolled in the ROTC program there.

Paul E. Garber Award. This award given in the name of an eminent aviation historian was presented to 87 senior members in recognition of their efforts to further the cause of aerospace.

ARKANSAS

Paul A. Willard, II, 03001

CALIFORNIA

Robert D. Lantz, 04001
Edward S. Nealley, 04001
Raymond N. Lantz, 04001
Edward G. O'Coffey, 04426
Richard J. Gale, 04205
Sean J. Habina, 04001
* Edward B. O'Coffey, 04426
Eugene G. Kunz, 04103

COLORADO

John R. Williams, 05143
Harvey A. Siegal, 05143

FLORIDA

Rodney S. Harpe, 08249
Richard E. Leighton, 08001
Elizabeth Leighton, 08153
Charles A. Pfeiffer, 08001
* Joseph F. Connolly, 08143
Rosemary Arbuckle, 08432

GEORGIA

Robert D. Butler, 09022
* James P. Furlong, 09001

HAWAII

Florence C. Conway, 51001
Herbert T. Kaneshige, 51001
Jack M. Weidner, 51001

ILLINOIS

Florence A. Westholm, 11189
John F. Sullivan, 11248

INDIANA

Joseph A. Cirillo, 12193

KANSAS

George M. Boyd, 14001

KENTUCKY

George M. Hudson, 15001

LOUISIANA

Tyler T. Diaz, 16001
George Sartis, 16001

MASSACHUSETTS

Louis H. G. Bier, 19065
Lewin E. Nyman, 19028
Barbara A. Shepard, 19001
Marilynne M. Leblanc, 19001

MICHIGAN

Glenn E. Overby, 20001
Robert F. Turner, 20001
Frances J. Douglass, 20251

MISSISSIPPI

David M. Sessums, 22001
Rodney I. Baker, 22001

MISSOURI

Ralph C. Holliday, III, 23001
Guillermo Lopez, 23032

MONTANA

Edwin A. Keeney, 24001

NATIONAL CAPITAL

Amanda B. Anderson, 25001
Roland L. Butler, 25058
Charles F. Neudorfer, 25045

NEW HAMPSHIRE

Rita B. Carter, 28001
Alger A. Conger, 28001

NEW JERSEY

Robert H. Connolly, 29065
Joel Biggs, 29067
George J. Bartole, Jr., 29097
* Robert C. Budrow, 29002
Robert G. Cornell, 29001

NEW MEXICO

William A. Iselin, 30024

NEW YORK

Patricia M. Vierling, 31116

NORTH CAROLINA

Lelia C. Brigham, 32033
John S. R. Brigham, 32001
Wesley C. Leamon, Jr., 32031
Gerald W. Underwood, 32001
Donald M. Moss, 32014

OHIO

* Chris F. Moersch, III, 34001

OREGON

Chas A. Thompson, 36007

PENNSYLVANIA

Edward J. Kirby, Jr., 37021
Helen A. Leppenfeld, 37224
Walter A. McKoy, 37050
Frank C. Perri, 37050

PUERTO RICO

Bartolo Ortiz, 52059

RHODE ISLAND

Arthur A. Guarino, 38001
Paul J. Morris, 38001

SOUTH CAROLINA

Clifford W. Morrisset, 39001

TEXAS

Robert O. Sholl, 42262
Thomas L. Todd, 42197
B. E. Baumgardner, 42190

VERMONT

Richard A. Krukonis, 44001
James D. Spannbauer, 44001

VIRGINIA

Paul N. Stinnett, 45001
Robert F. Garber, 45001

WASHINGTON

Clarence A. Miles, 46001
Ronald K. Simmons, 46001
Theodore A. Fox, 46001
Dennis F. Green, 46080

WEST VIRGINIA

Robert W. Jenkins, 47001
John P. Ratcliff, 47001

WISCONSIN

* Albert V. Flora, 48155

WYOMING

L. D. Stanberry, 49001

ROCKY MOUNTAIN REGION

John L. Lilly, 97000
Gardner W. Barlow, 97000
Larry D. Miller, 97000

NORTHEAST REGION

Mary E. Lynch, 91000

Grover Loening Aerospace Award. This award given in the name of an aviation pioneer was presented to 98 senior members during 1982.

ALABAMA

Bettie L. Maddox, 01001

ARIZONA

H.S. Redeker, 02008

ARKANSAS

Paul A. Willard, II, 03001
Robert B. Hartzell, 03001

CALIFORNIA

John W. Abbott, 04205
George F. Williams, 04220
Edward St John Nealley, 04001
Richard J. Gale, 04205
Joyce S. Habina, 04001
Stephen M. Doigin, 04346
Jack G. Rogers, 04155

COLORADO

Harvey A. Siegal, 05143
Daniel P. Kish, 05099

CONNECTICUT

Eugene F. Landry, Jr., 06001

FLORIDA

Elizabeth E. Leighton, 08153
Richard E. Leighton, 08001
Ronald C. Dickler, 08349
Edward C. Wolff, 08227
Norma L. Deringer, 08380
Thomas J. Deringer, 08380
Marsha E. Dickler, 08349
Richard C. Hill, 08263
Edward A. Amsbury, 08329

GEORGIA

Edward R. Wright, 09043
James P. Furlong, 09001
Robert D. Butler, 09002

HAWAII

Herbert T. Kaneshige, 51001
Jack M. Weidner, 51001

ILLINOIS

Ralph White, 11117
John E. Orosz, 11219

INDIANA

Joseph A. Cirillo, 12193
Raymond N. Andrews 12001
Peter C. Crasher, 12100

KANSAS

Ralph W. Rissmiller, Jr., 14001

LOUISIANA

Edward R. Junk, 16014
George Sartis, 16001

MASSACHUSETTS

Barbara A. Shepard, 19001
Virginia M. Cullity, 19032
Ralph N. Shaver, 19043
Kevin M. Stuart, 19007
Denise M. Harmon, 19001
Laura Lee Gotttron, 19032
Donald B. Ladd, Jr., 19001

IDAHO

Frank Yellen, 10001

MICHIGAN

Russell E. Smith, 20261
Glenn E. Overby, II, 20001
Joseph B. Larnopolski, 20004
Thomas W. Knaub, 20261
Robert V. Payton, 20251
Richard L. Carr, 20080

MISSISSIPPI

Rodney I. Baker, 22001

MISSOURI

Ralph C. Holliday, III, 23001
Phyllis L. Scott, 23084
Johnny D. Collins, 23107
Owen J. McCrady, 23032

MONTANA

Lance J. Edwards, 24001

NATIONAL CAPITAL

Thomas E. Allen, 25001
Samuel A. Henry, Sr., 25059
Peggy A. Griggs, 25056
Roland L. Butler, 25056
Bruce F. McConnell, 25001

NEVADA

Ellwood J. Collins, 27001
Lyle C. Burge, 27054

NEW HAMPSHIRE

Aime A. Beaudry, 28001

NEW JERSEY

Edward J. Myzie, 29003
Sidney S. Rimberg, 29001
Robert H. Connolly, 29065
Monique M. Curtis, 29001
Doris E. Miller, 29001

NEW MEXICO

Lee E. Wiedmann, 30024
Kathy A. Kilrain, 30012

NEW YORK

Patricia M. Vierling, 31116
Barbara J. Manley, 31116
Bradley J. Hamilton, 31285

NORTH CAROLINA

Robert L. Spencer, 32014
Alison M. Ross, 32007

OHIO

Richard G. Slone, 34114
Chris F. Moersch, III, 34001

OREGON

Kathleen J. Tillson, 36001
Charles A. Thompson, 36007
Stephen W. Bender, 36001

PENNSYLVANIA

Philip C. Breen, 37001
Steven M. Pastor, 37202
Richard E. Shaffer, 37281
Gary J. Geraldine, 37284
George E. Chappell, 37188

SOUTH CAROLINA

David D. Lordin, 39075
Gordon B. Rossback, 39001

SOUTH DAKOTA

Lou D. Gose, 40031

TENNESSEE

Roy E. Bearden, 41148
Doris E. Barnes, 41153
James L. Barnes, 41153

TEXAS

Milton E. Hinnman, 42115
Anne V. Farrell, 42219
Thomas L. Todd, 42197

VERMONT

James D. Spannbauer, 44001
Richard A. Krukonis, 44001

VIRGINIA

Robert F. Garber, 45001
Floyd E. Lent, Jr., 45001
Howard H. Slusser, 45001

WEST VIRGINIA

George A. Dessert, 47038

WISCONSIN

Donald W. Goers, 48166
David S. Culver, 48001

CONGRESSIONAL SQUADRON

James B. Huggins, 99001

NATIONAL HEADQUARTERS UNIT

Daniel L. Sullivan, 99000

NORTHEAST REGION

Mary E. Lynch, 91000

* Indicates the Paul E. Garber Bronze Star Award.

CIVIL AIR PATROL NATIONAL BOARD MEMBERS

(As of 31 December 1982)



NATIONAL COMMANDER
Brig Gen Howard L. Brookfield
CAP



EXECUTIVE DIRECTOR
Brig Gen David L. Patton
USAF



NATIONAL FINANCE OFFICER
Brig Gen William C. Whelen
CAP



NATIONAL VICE COMMANDER
Col William B. Cass
CAP



NATIONAL LEGAL OFFICER
Col Harvey R. Klein
CAP

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.

Other corporate officers who are not members of the governing bodies include the National Controller, Col Louisa S. Morse, CAP, who is elected by the NEC and serves as assistant to the National Finance Officer; the National Administrator, Brig Gen Carl S. Miller, USAF (Ret), and the Legal Counsel, Col Thomas A. Handley, CAP. The National Administrator and Legal Counsel are full-time CAP employees who perform duties as assigned by the National Executive Committee and National Commander.



COMMANDER
NORTHEAST REGION
Col Edgar M. Bailey



COMMANDER
MIDDLE EAST REGION
Col Eugene E. Harwell



COMMANDER
GREAT LAKES REGION
Col Russell A. Sheibels



COMMANDER
SOUTHEAST REGION
Col William C. Tallent

CONNECTICUT
LTC Howard E. Palmer
MAINE
Col David J. Braun
MASSACHUSETTS
Col Renzo Giromini
NEW HAMPSHIRE
Col Kenneth C. Jameson
NEW JERSEY
Col George S. Bochenek
NEW YORK
Col Roy I. Arroll
PENNSYLVANIA
Col A. A. Milano
RHODE ISLAND
Col Raymond G. Berger
VERMONT
Col John M. Bertoli

DELAWARE
LTC Herbert M. Wood
MARYLAND
Col Daniel J. Hill
NATIONAL CAPITAL
Col Ronald A. Quander
NORTH CAROLINA
Col Thomas L. Wallace
SOUTH CAROLINA
Col William E. Hobson
VIRGINIA
Col Floyd B. Callihan
WEST VIRGINIA
Col John P. Ratcliff

ILLINOIS
Col Donald I. Reed
INDIANA
Col Edwin Des Lauriers
KENTUCKY
Col George M. Hudson
MICHIGAN
Col Robert W. Paulson
OHIO
Col Marjorie J. Swain
WISCONSIN
LTC Raymond A. Noonan

ALABAMA
Col Robert M. Dorning
FLORIDA
Col Howard R. Cumler
GEORGIA
LTC Ralph E. Grady
MISSISSIPPI
Col Rodney I. Baker
PUERTO RICO
Col John J. Gonzalez
TENNESSEE
LTC Charles R. Barksdale



COMMANDER
NORTH CENTRAL REGION
Col Donald A. Sumner



COMMANDER
SOUTHWEST REGION
(Acting)
Col Charles Underwood



COMMANDER
ROCKY MOUNTAIN REGION
Col Larry D. Miller



COMMANDER
PACIFIC REGION
Col Bobbie J. Girard

IOWA
LTC James L. Black
KANSAS
Col Jerome L. Hanson
MINNESOTA
LTC Thomas A. Dahle
MISSOURI
Col Gerald S. Holliday
NEBRASKA
Col William B. Woodruff
NORTH DAKOTA
LTC Lionel Bourquin, Jr.
SOUTH DAKOTA
Col M. R. Vander Maten

ARIZONA
Col Henry M. Rood
ARKANSAS
Col Maxine E. Biggers
LOUISIANA
Col George Sartis
NEW MEXICO
LTC William Overton, Jr.
OKLAHOMA
Col Lester V. Wilson
TEXAS
Col George R. Way

COLORADO
LTC Harry E. Kouts
IDAHO
Col Keith L. Lysinger
MONTANA
Col William W. Hewitt
UTAH
Col Ralph F. Findlay
WYOMING
Col Leah L. Sampson

ALASKA
Col Russell J. Anderson
CALIFORNIA
LTC Donald M. Biondich
HAWAII
LTC Herbert Kaneshige
NEVADA
Col Bradford L. Sharp
OREGON
LTC Albert F. Laurie
WASHINGTON
Col Theodore A. Tax

STATISTICAL SUMMARY

Vital Statistics as of 31 December

MEMBERSHIP		1981	1982	AIRCRAFT		1981	1982
Cadets		23,020	24,645	Corporate Owned		588	572
Seniors		37,668	40,024	Member Owned		8,223	8,890
Total Members		60,688	64,669	Total Aircraft		8,811	9,462
ORGANIZATIONAL UNITS				EMERGENCY SERVICES			
Regions		8	8	Missions		1,160	1,194
Wings		52	52	Sorties		8,567	8,463
Groups		185	172	Hours Flown		17,878	16,960
Senior Squadrons		242	253	Objectives Located (Finds)		660	782
Cadet Squadrons		356	324	Lives Saved (Saves)		77	87
Composite Squadrons		931	952	ENCAMPMENTS			
Flights		85	89	Active Air Force Bases		26	32
Total Units		1,859	1,850	Other DOD Facilities		30	25
RADIO STATIONS				Non-DOD Facilities		26	34
Fixed Land		4,084	4,028	Cadets Attending		5,422	6,833
Ground Mobile		15,225	16,500	Seniors Participating		989	1,353
Air Mobile		4,095	4,185	CADET AWARDS			
Citizen Band		8608	2,700	Mitchell Awards		1,181	1,252
Search and Rescue		675	697	Earhart Awards		444	474
Corporate Aeronautical		605	587	Spatz Awards		25	40
Repeater Stations		215	232				
Emergency Locator		139	156				
Total Stations		25,898	29,085				

WING PARTICIPATION IN EMERGENCY SERVICES 1 January 1982 through 31 December 1982

The table below show 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 1982 Civil Air Patrol was credited with 782 finds and 87 saves. Total missions, finds, 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	14	67	149	8	0	Massachusetts	13	55	94	9	0
Alaska	83	459	1039	49	16	Michigan	24	35	67	14	0
Arizona	29	513	1644	14	0	Minnesota	19	63	173	16	2
Arkansas	22	73	129	14	0	Mississippi	15	45	97	9	0
California	141	1535	2881	94	6	Missouri	18	21	34	8	0
Colorado	57	168	363	31	15	Montana	4	25	75	1	2
Connecticut	14	20	41	12	0	National Capital	3	25	62	0	0
Delaware	2	5	5	1	0	Nebraska	11	57	116	7	0
Florida	76	298	526	87	3	Nevada	25	266	555	7	0
Georgia	27	122	231	21	0	New Hampshire	7	19	37	5	0
Hawaii	18	64	134	2	1	New Jersey	20	83	136	12	0
Idaho	15	73	142	3	4	New Mexico	55	685	1189	14	7
Illinois	20	40	67	15	0	New York	19	85	121	10	0
Indiana	18	17	30	13	0	North Carolina	34	92	190	15	1
Iowa	11	28	40	5	0	North Dakota	8	14	31	4	0
Kansas	13	24	45	8	0	Ohio	19	14	35	10	0
Kentucky	10	24	48	3	0	Oklahoma	28	96	163	28	0
Louisiana	36	53	97	45	0	Oregon	35	400	704	16	3
Maine	10	13	22	5	0	Pennsylvania	37	292	577	17	12
Maryland	12	28	43	5	0	Puerto Rico	10	27	82	1	0
						Rhode Island	5	5	5	1	0
						South Carolina	12	65	134	5	2
						South Dakota	19	61	147	3	10
						Tennessee	22	28	51	11	1
						Texas	71	567	1299	55	3
						Utah	22	412	844	9	1
						Vermont	1	1	1	0	0
						Virginia	19	476	1039	9	0
						Washington	52	676	962	33	0
						West Virginia	10	32	56	4	0
						Wisconsin	18	36	49	16	1
						Wyoming	13	81	159	3	1
						National Totals	1,194	8,463	16,960	782	87



The annual Cadet Officers School conducted at Gunter AFS, Alabama was attended by 93 specially selected cadets from 30 CAP wings. The ten-day course provided the cadet students an opportunity for the development and application of basic leadership and management skills. Air Force Reserve officers led daily seminars on previously heard lecture topics to provide more individual attention and discussion opportunities to cadets. In addition to their daily academic and athletic activities, the cadets received a challenging workout at the Air Force Squadron Officers School "Project X" at Maxwell. Obstacle course-like tasks provided cadets with valuable lessons in problem solving, leadership and teamwork. (Photo by Rand McNatt)

**PARARESCUE ORIENTATION COURSE
GEORGE WASHINGTON NATIONAL FOREST**

