

# CIVIL AIR PATROL 1980



## ANNUAL REPORT TO CONGRESS

FOR YEAR ENDING  
31 DECEMBER 1979





**Aerospace Education - One of Three CAP Missions.** To help promote its mission in Aerospace Education, Civil Air Patrol has developed a new learning kit known as the "Falcon Force Program" to be used in teaching children in the upper elementary grades about the importance of aerospace in their lives. The self-contained kit, prepared by a panel of experienced and highly skilled educators, is adaptable to individual, small group, or whole class learning. The program is divided into eight sections of study, ranging from the earliest beginning of flight to projections of the future in space. The sections are nonsequenced and independent of one another and may be used as mini-units in the classroom. Falcon Force will be introduced to the educational media market after completion of an extensive nationwide pilot study in over 100 test schools. (Photo by Ken Kennedy)

**COVER PAGE:** The "Wright Flyer" and "Project Mercury Spacecraft" are on permanent display at the Smithsonian Institution National Air and Space Museum in Washington, D.C. The tremendous advances in aerospace that occurred between the first flights of the Wright Brothers on 17 December 1903 and the first U.S. manned space flight of Alan Sheppard on 5 May 1961 are vivid memories to Dr. Paul E. Garber,

Historian Emeritus of the Museum. Dr. Garber is one of the few living Americans whose aerospace involvement bridges the time span between those two historic events. Members of the CAP National Capital Wing were beneficiaries of Dr. Garber's firsthand knowledge during a tour of the Museum. (Photo by Mickey Sanborn)



## NATIONAL HEADQUARTERS CIVIL AIR PATROL

— USAF AUXILIARY —  
Maxwell Air Force Base, Alabama 36112

### TO THE CONGRESS OF THE UNITED STATES

This is a report of Civil Air Patrol activities with financial statements of the CAP National Treasury for 1979. The report is required by Public Law 476, 1 July 1946, under which the Civil Air Patrol was chartered as a benevolent, non-profit corporation. Since 26 May 1948, the Civil Air Patrol has been the civilian auxiliary of the United States Air Force, a status granted by Congress under the provisions of Public Law 557. Thus 1979 marked the thirty-first year of formal association between citizen volunteer and professional military airmen . . . an association which has proved mutually beneficial to the two organizations and rewarding to the nation as well in terms of extending interest, understanding and appreciation of aerospace power.

During the past year, Civil Air Patrol has continued to build upon its long record of achievement and service with a solid performance in each of its mission areas. Included in this report are details of CAP's achievements in emergency service assistance to persons in distress, innovative developments in aerospace education, and continued progress in leadership development for both its senior and cadet members.

We are thankful for the capable and dedicated CAP volunteers and are proud of CAP's overall performance achieved in 1979 through their efforts. We are grateful for the continued understanding and support of Congress and for the moral and material support given by the United States Air Force; both of which have been fundamental to CAP's success.

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

*Johnnie Boyd*

JOHNNIE BOYD  
Brigadier General, CAP  
National Commander

*Paul E. Gardner*

PAUL E. GARDNER  
Brigadier General, USAF  
Executive Director

**AEROSPACE EDUCATION WORKSHOP  
GEORGIA STATE UNIVERSITY**



**FROM WORKSHOP**

One of the missions of Civil Air Patrol is to provide programs for the aerospace education of American citizens. The objective is to motivate them to support actions directed toward continued leadership of our nation in aviation and space and as an aerospace power.

Civil Air Patrol 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 in 47 states, Civil Air Patrol supported over 200 graduate-level aerospace education workshops attended by approximately 10,000 teachers in 1979. These projects are intended to provide a basic knowledge of aerospace, but more importantly, to motivate a continuing interest that will be carried back to the local community and integrated into teaching/learning in the classroom.

One such program was the workshop conducted by Georgia State University at the Southern Georgia Technical College at Marietta, Georgia, under the direction of Dr. Ted Colton. Lt Col Roy Hart, USAFR,

assisted Dr. Colton in conducting the five credit hour program for 40 Atlanta area elementary grade teachers.

Typical of workshop attendees was Jamie Mattocks who teaches in the Pine Mountain Middle School in Kennesaw, Georgia. As with other first time attendees at an aerospace education workshop, Ms. Mattocks recognized the potential of aerospace for adding an exciting new dimension in the classroom for both student and teacher. Since the first CAP sponsored workshops were conducted in 1949, more than 250,000 enthusiastic teachers have attended these graduate level aerospace education courses. (Photos-Ken Kennedy)

**TO CLASSROOM**



## AEROSPACE EDUCATION WORKSHOPS

Civil Air Patrol, in cooperation with colleges and universities in 44 states, supported over 215 graduate-level workshops for teachers in 1979. Approximately 7,500 people attended these projects which are designed to develop a basic knowledge of and interest in aerospace with the hope that the attendees will return to their home areas and classrooms and integrate the material into their teaching activity.

Civil Air Patrol's role is one of advice, assistance and support in developing the curriculum according to the wishes of the workshop director. Air Force support may also be provided in the form of Air Force reserve personnel on short active duty tours who serve in a variety of ways including teaching. In some cases, Air Force air transportation is made available for workshop participants to visit a specific site of aerospace interest as a part of the curriculum.

A sufficient number of colleges have initiated new workshops in the past year to offset dropouts and show a net increase of approximately 10% in total workshops conducted.

## AEROSPACE EDUCATION LEADERSHIP DEVELOPMENT COURSE (AELDC)

The prestigious Aerospace Education Leadership Development Course, planned and conducted by CAP in 1977 and 1978 at Air University, will again be offered, in cooperation with Middle Tennessee State University, 27 July-16 August 1980. It was not offered in 1979 because of the nonavailability of facilities at Maxwell AFB. AELDC '80 will be conducted with students housed in officer student dormitories at Air University. The three-week course will again carry six semester hours credit from MTSU.

It is expected that about 100 persons, primarily teachers interested in aerospace, will enroll. As a course requirement, each will develop a Personal Plan of Action for promotion of aerospace knowledge among the general public, to be implemented upon their return home. As in the past, leadership skills will be stressed along with knowledge of dynamic aerospace issues. In 1980, primary focus will be on space issues such as the Administration's Civilian Space Policy and reaction to it, such as bills introduced in Congress by Senators Stevenson and Schmitt and Congressmen Flippo and Fuqua. A related issue to be studied will be the Administration's National Energy Plan and the Solar Power Satellite. Opposition to the NEP I and II in this area is expressed in Congressman Fuqua's bill.

## NATIONAL CONGRESS ON AEROSPACE EDUCATION

The 1979 National Congress on Aerospace Education was held at the Sheraton Atlanta Hotel, Atlanta, Georgia, 5-7 April. Congress cosponsors were Civil Air Patrol, the Federal Aviation Administration, and the National Aeronautics and Space Administration. It is designed for aerospace education leaders from education, government, and industry. The purpose is to develop an awareness of the issues and activities in aerospace, nationally and internationally, so that the participants may return home to their sphere of influence and share their learnings with their contemporaries.

The keynote speaker was Dr. Paul Garber, Historian Emeritus, National Air and Space Museum, Smithsonian Institution, whose theme was "Summation of Flight." Other program highlights included:

- Mr. Jack Lambie speaking on The Gossamer Condor
- Maj. Gen. Ralph Saunders, USAF, Commander of the Air Rescue and Recovery Service, speaking on Aerospace Rescue and Recovery Service



**Falcon Force.** Fifth grader participants in the CAP Falcon Force program in Arundel School visit the San Carlos, California Airport where United Airlines Second Officer Kathy Wentworth shows a light aircraft and explains the fundamentals of flight. The tour was arranged by California's West Bay CAP Composite Squadron and the Golden West Chapter of the 99s. The CAP Falcon Force concept of aerospace education is being tested in over one hundred elementary schools throughout the nation.

- Mr. George Hastings, NASA, speaking on the NASA Aeronautics Mobile

- The Heritage Segment with Dr. Paul E. Garber as Mr. Interlocutor

- Lt. Gen. Ira C. Eaker, USAF (Ret), speaking on his aerospace career

- A "Women in Aerospace" panel headed by Mrs. Mary Anderson, former Associate Administrator for Policy and International Aviation Affairs for the Federal Aviation Administration (other panel members were: Ms. Diana Abramson, a Credit Representative of the Flying Tiger Line; Dr. Chris Bueche, Professor of Education at Indiana State University; Ms. Karen Coyle, Manager of the TakeOff Program for the General Aviation Manufacturers Association; Dr. Kathryn Sullivan, who was selected as an astronaut candidate by NASA in January 1978; and Capt. Emily Warner, the first female pilot to fly for a major US airline when she was hired by Denver, Colorado-based Frontier Airlines)

- Mr. David Robson speaking on Boomerangs

- Maj. Frederick D. Gregory, USAF, Astronaut Candidate, NASA, commenting on the Space Shuttle Era.

The program also featured a field trip to the Delta Airlines Jet Maintenance Facility; a special Mini-Congress program for the Atlanta Metropolitan area teachers; and three outstanding aerospace leaders were presented the Crown Circle Award for a lifetime of leadership in aerospace. Another highlight of the program was the recognition of 105 Aerospace Education Workshop Directors from throughout the country.

The 1980 National Congress on Aerospace Education will be held 27-29 March at the Court of Flags Hotel, Orlando, Florida.

### SCHOOL PROGRAMS AND MATERIALS

Falcon Force is a new CAP aerospace education program to teach children in the upper elementary grades about the importance of aerospace in their daily lives. The course is furnished with a self-contained multimedia, interdisciplinary learning kit. Falcon Force was developed by a panel of experienced and skilled educators with assistance from an array of experts in a broad range of educational and scientific fields. It is adaptable to individual, small group or whole



**Aerospace Activity.** CAP cadets at the Admiral Farragut Academy in Pinebeach, New Jersey, built and flew model rockets during a weekend aerospace workshop conducted by John O'Hara, Director of Aerospace Education for the New Jersey Wing.

class learning and the learning kit contains essentially everything a teacher may need. Reading materials and study questions are also provided in the Student Learning Folders, and project activities are included on Activity Cards. Resources, bibliographies, and a teacher's guide are provided to enhance the self-contained aspects of the kit. The open-ended nature of the many activities will stimulate the young child's mind and instill good thinking processes that are so important at these grade levels.

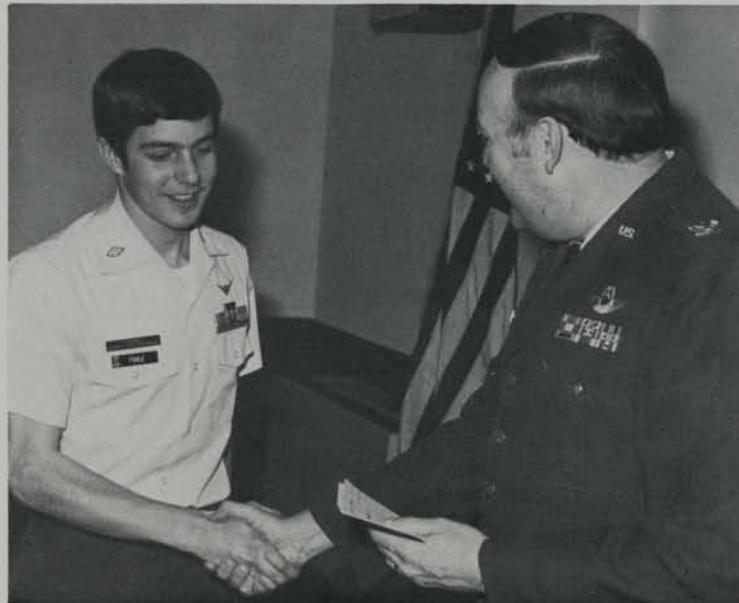
One hundred forty-three elementary schools are serving in the Falcon Force test program during the 1979 fall semester. Test results which will be available by 1 March 1980 will be the basis for a decision as to whether to introduce the Falcon Force kit to the educational media market on a nationwide scale. Early informal reactions indicate the program is being enthusiastically received. It is hoped that the potential CAP cadets in the 4th through 6th grades, who participate in the program, will not only acquire knowledge and an interest in aerospace subjects, but also a familiarity with the CAP cadet program which might lead them to become members after entering the 7th grade.



**Aerospace Day.** The "What's Up" aviation and aerospace workshop conducted at Mills High School in Millbrae, California, was the brainchild of the school's principal Dwight C. Moser. Over a year in preparation, the day-long program featured fifty-six guest speakers, all of them top scientists, engineers, pilots, researchers, and aeronautics experts. In addition to exhibits and displays, there were demonstrations of hang gliding, hot air ballooning, model rocketry, and helicopter rescue techniques. Dwight Moser was the 1979 recipient of the Frank G. Brewer Civil Air Patrol Memorial Aerospace Award in recognition of his outstanding contributions to aerospace education.

A high school aerospace education textbook has been a long-time goal of CAP and such a text, *Aerospace: The Challenge*, was written and published during the last year. The US AFJROTC purchased 30,000 copies of the textbook to serve as the basic text for all high school AFJROTC courses in the nation, beginning in the fall of 1979. This 660-page, hard cover text was accompanied by a 200-page instructor guide and a student workbook. CAP is again trying to promote the initiation of a 1-year aerospace education elective course in high schools across the nation. CAP's Center for Aerospace Education Development has offered a special teacher inspection copy at a reduced cost to stimulate interest. A number of high schools have already purchased student copies. Because of interest shown, the problem of a second printing must be dealt with in the near future.

CAP has also continued development of its single concept teaching/learning packets aimed for use in upper elementary, but not limited to, classroom use. These packets consist of four to six large posters, multidisciplinary student activity cards and a teacher manual/student activity pamphlet. Packets on the following have been published and are available through CAP's Center for Aerospace Education Development: Amelia Earhart; Rickenbacker;



**Daedalians Scholarship.** Douglas Fogle of the Clinton-Scott Composite Squadron of the Illinois Wing was presented a \$300 flight scholarship by Air Force Colonel George Dockery, flight captain of the Gateway Flight of the Order of the Daedalians. This multi-service fraternal organization of military pilots supports CAP through financial contributions for both solo and private pilot scholarships on both the local and national level.

Doolittle; Lindbergh; Billy Mitchell; "Chappie" James; the Wright Brothers; the Space Shuttle; and the History of General Aviation. Others to be published in the next few months include: Robert Goddard; Agricultural Aviation; and the USAF Air Rescue and Recovery Service. The latter will feature the new YH-60 helicopter (HX).

#### WORLD CONGRESS ON AEROSPACE EDUCATION

CAP was also involved, during the past year, in organizing the World Aerospace Education Association, and the first World Congress on Aerospace Education was conducted 21-23 October 1979 in Cairo, Egypt. Fifteen countries were represented at this meeting which had 130 in attendance. Mr. John V. (Jack) Sorenson represented CAP with the U.S. Contingent. Among those making presentations were: Mr. Mohamad Fathy Taha, President of the World Meteorological Organization; Mr. Don H. Clausen, member of the US Congress; Dr. Farouk El-Baz, Research Director, Centre for Earth and Planetary Studies, Smithsonian Institution; Col. Semret Medhane, Secretary General, African Airlines Association; Mr. John E. Steiner, Vice President, Corporate Product Development, the Boeing Company; Mr. Gilbert Salomon, Director of Aviation Education, French Ministry of Transport; General Jacques Mitterrand, President & Director General, Aerospatiale and President of the European Association of Aerospace Constructors; Mr. R.A. Gilson, Marketing Manager, American Air Lines Training Corporation; Engineer ABD El Rahman Bosseila, Under Secretary of State for Technical Affairs, Egyptian Ministry of Civil Aviation and Secretary General of WAE0; and Professor Secor D. Browne, Professor MIT and Past President of the CAB, USA.

The next World Congress will be in June 1981 in Paris, France.



**Building Dedication.** The building that houses the National Headquarters of Civil Air Patrol on Maxwell Air Force Base in Montgomery, Alabama was officially named "Wilson Hall" in dedication ceremonies on 7 December 1979. The dedicatory address honoring Gill Robb Wilson as the man primarily responsible for the founding of Civil Air Patrol in 1941, was given by Dr. Paul E. Garber, Historian Emeritus of the Smithsonian National Air and Space Museum. Lt Gen Stanley M. Umstead, Commander of Air University, left, also participated in the ceremonies. (Photo by Ken Kennedy)

## The Cadet Program

One of the CAP missions is to provide "a cadet program to develop and motivate the youth of the country to leadership and responsible citizenship, through an interest in aviation." The CAP cadet program is open to US citizens and persons lawfully admitted for permanent residence to the United States and its territories and possessions who are 13 years of age (or have satisfactorily completed the sixth grade) through 17 years of age. After reaching 18, cadets may choose to either become senior members or to continue in the cadet program until their 21st birthday.

The cadet program provides individual cadets an opportunity to develop their leadership skills in an aerospace oriented environment. Under the guidance of adult CAP leaders and with the advice and assistance of Air Force liaison personnel, cadets may progress at their own pace through a structured program of aerospace education, leadership training, physical fitness, and moral leadership.

The various phases of the structured program which include both individual and group involvement, are interspersed with orientation flights, encampments, and a variety of other special activities and incentives designed to reward achievements and to motivate continued progression in the program.

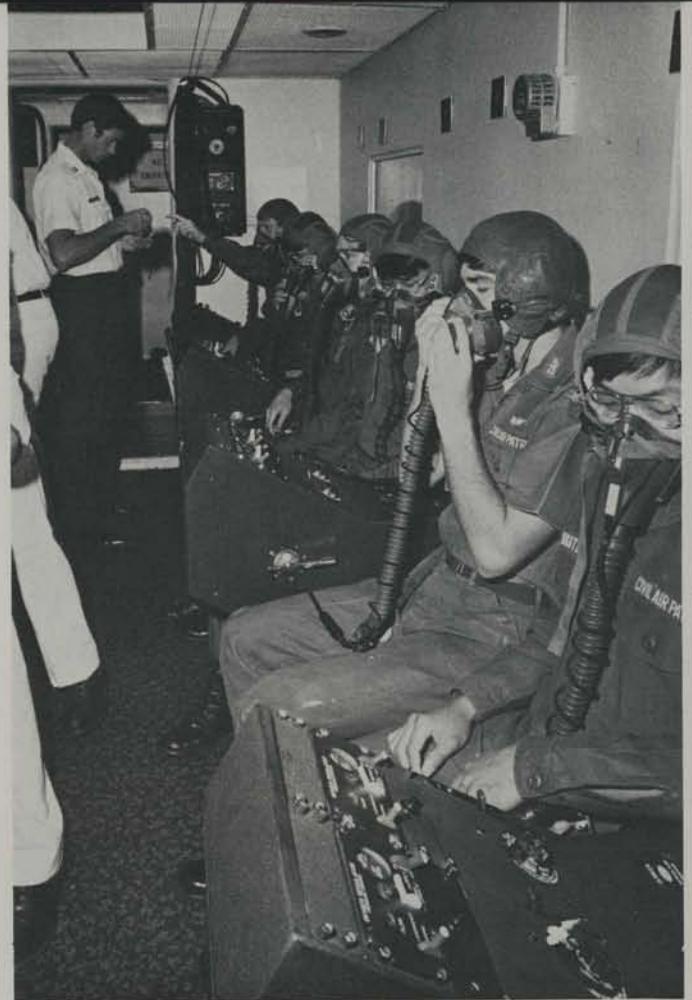
### International Air Cadet Exchange (IACE)

The purpose of the IACE is to foster international understanding, goodwill and friendship among young people having a common interest in aviation.

The program, conceived by the Air Cadet League of Canada, was first conducted in 1947 between Great Britain



**AFA Award.** Karen S. Hall was presented a special award by James G. Sandman, President of the Sacramento Chapter of the Air Force Association to recognize her as the Sacramento area's outstanding cadet of the year. Karen is a member of California's McClellan Cadet Squadron.



**ATC Training.** CAP cadets attending the Air Training Command Familiarization Course at Mather AFB, California, experienced altitude chamber training which is a requirement for all Air Force pilots. The week-long program conducted by USAF personnel of the 323d Flying Training Wing is designed to stimulate interest in the Air Force as a career.

and Canada. Civil Air Patrol, with the assistance of the US Air Force, entered the exchange in 1948. The IACE has grown over the years, and a total of 41 countries have participated at one time or another.

The annual 19-day exchange of cadets is conducted by Civil Air Patrol and other organizations such as national aero clubs, national air cadet organizations, and national Air Force academies. These participating organizations sponsor and provide cadets with sightseeing, tours of aerospace industries and museums, visits to airports and Air Force installations, orientation and training flights in gliders and powered light airplanes and visits in host country family homes. Airlift of cadets to, from and within each country is provided by the various national Air Forces.

During the past year, 178 CAP cadets and 28 senior member escorts were exchanged with the 13 other IACE Association (IACEA) member nations and 5 countries in the East Asia/Pacific area. Annual exchanges with these latter, nonmember countries are arranged and conducted bilaterally by Civil Air Patrol under similar rules and format and in conjunction with the regular IACE program. Civil Air Patrol and US Air Force officers participated in the 1979 IACEA Planning Conference in Bonn, Germany, to plan next year's exchange between the IACEA member nations.



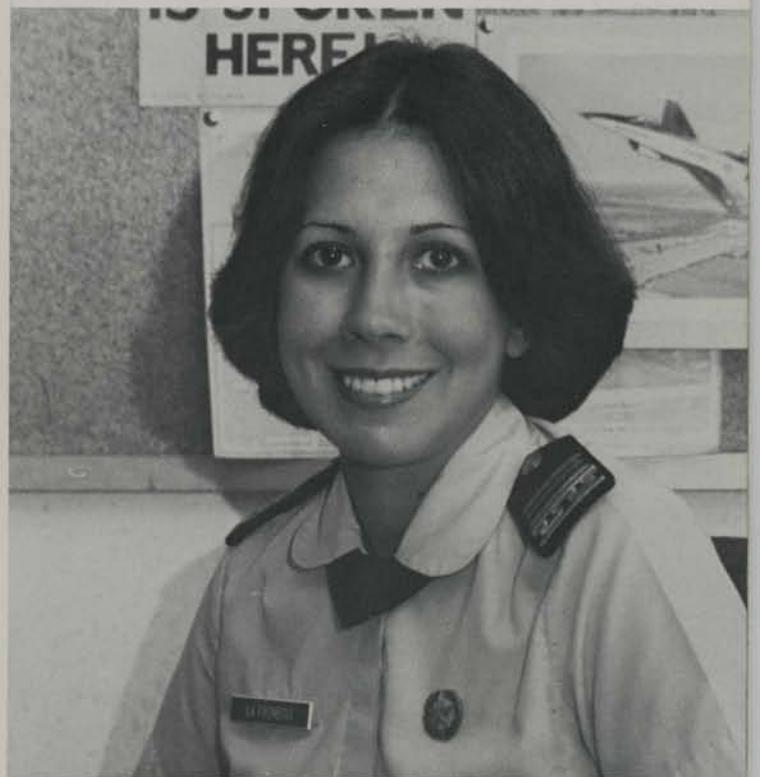
**West Pointers.** Four cadets at the U.S. Military Academy at West Point reminisce about their experiences as cadet members of the CAP Washington Wing. From Left; Timothy Seckel, Anita Lee Baker, Kyle Gerlitz, and Jack Hyder all agree that their CAP training made the transition into life at the Academy much less difficult than it would otherwise have been. An Academy spokesman said they are exemplary students who by their achievements are proving the value of training provided by CAP. (Photo Courtesy Office of Public Affairs, U.S. Military Academy)

### Scholarship Program

Through its National Scholarship Program, the Civil Air Patrol Corporation contributed \$20,500 to 41 of its members in 1979. Scholarships are given to college and vocational-technical students in Engineering, Education, Humanities, Theology, and Science. Recipients range from young cadets interested in learning to be aircraft mechanics to those pursuing advanced degrees in aeronautical engineering or aerospace medicine. In addition, many scholarships are provided by local and state level CAP units.



**Academy Squadron.** CAP cadet Kathleen Edwards is introduced to the principles of flight and aircraft propulsion by Midshipman Steve Gullberg. Steve is also a former CAP Cadet and commander of the US Naval Academy Senior Squadron. (US Naval Academy Photo by Jack Moore)



**French Exchange.** Deborah LaFrambois is one of eight members of the Air Force Academy Class of 1980 selected to attend the French Air Force Academy on a five month exchange program. Debbie was a member of the Wisconsin CAP Fox Cities Composite Squadron prior to entering the Academy in 1976 as one of the first women admitted to the previously all-male institution.



**ATC Activity.** The Air Training Command Familiarization Course is conducted annually at several of ATC's Undergraduate Pilot Training Bases to add to the aerospace experience and knowledge of CAP cadets and to stimulate their interest in the USAF as a career. Thirty-three cadets from Maine, New York, New Jersey, Massachusetts, Washington, Pennsylvania, Oregon, and California attended a 1979 Familiarization Course held at Mather AFB, California and hosted by personnel of the 323d Flying Training Wing. The Air Training Command, which was assigned overall responsibility for Air Force support and employment of Civil Air Patrol in May 1978, has continued to provide its usual outstanding support of the CAP Cadet Program.

#### Cadet Flight Training

Civil Air Patrol allocated \$40,000 in its 1979 fiscal year budget to provide local solo flight training and orientation flights for cadets. Some 52 scholarships, covering the expense of ground school and flight training leading to solo qualification, were available to one cadet in each CAP wing. In addition, the 52 wings were partially reimbursed for the expense of providing 3,920 cadets with their first flight experience through a locally conducted orientation flight. However, a majority of the flights made available under the six-phase Cadet Orientation Flight Training Program are provided at the expense of local units and individual members.

**Pararescue Orientation.** During the survival portion of the second annual Pararescue Orientation Course, CAP cadets are taught cross-country navigation by an Air Force instructor. The week-long course conducted by Air Force personnel of the 1550th Aircrew Training and Test Wing at Kirtland Air Force Base, New Mexico, provides two days of on-base classroom orientation and tours of facilities and four days of rugged and disciplined field training. (Photo by Ken Kennedy)



#### Cadet Encampments

The General Billy Mitchell Award is the first major milestone of the CAP cadet program. One of the prerequisites of this award is attending a CAP cadet encampment. Encampments are conducted annually by each state CAP wing at US Air Force bases, or at other community, state, or national facilities. This is in addition to fulfilling all requirements of the first seven of the 15 structured achievements. Cadets who earn the Mitchell Award also become eligible for more advanced special activities and automatically earn the grade of Airman First Class (E-3), should they choose to enlist in the Air Force.

However, the most noteworthy aspect of the CAP encampment is its impact upon the cadets' future lives. In most cases, this is their first exposure to the everyday excitement and challenge of the aerospace world. They get a firsthand look at military lifestyle, gain practical experience and become aware of military career opportunities.

During 1979, a total of 5,231 CAP cadets and 903 CAP senior members attended encampments. Encampments were conducted at 34 active duty Air Force bases and at 21 other Department of Defense facilities. An additional 22 encampments were conducted at non-DOD facilities.

**Outstanding Cadet.** Sixteen year-old Pamela Landreth from North Carolina's Winston Salem Composite Squadron was selected as the Outstanding Cadet among the 128 students attending the annual Cadet Officers School conducted at Maxwell Air Force Base during July. The award was presented by Air University Commander Lieutenant General Stanley M. Umstead, Jr., himself a former CAP cadet.





**Cadet Competition.** The North Carolina team representing the CAP Middle East Region was the Sweepstakes winner in the annual National Cadet Competition held at Maxwell Air Force Base, Alabama in late December. The competition tests the performance of teams from each of the eight CAP regions in physical fitness, aerospace knowledge, and precision drill. The "USAF Chief of Staff Trophy" was presented to North Carolina Team Captain Hugh W. Carter by General Bennie L. Davis, Commander of Air Training Command. General Davis represented General Lew Allen, Jr., Air Force Chief of Staff, in making the presentation. Other participants in the ceremony were, from right: Lieutenant General Stanley M. Umstead, Jr., Commander of Air University; Brigadier General Johnnie Boyd, CAP National Commander; and Brigadier General Paul E. Gardner, CAP-USAF Commander and CAP Executive Director. (Photo by Ken Kennedy)



**Falcon Award.** Orlando Rosado was presented the CAP Frank Borman Falcon Award by Brigadier General Thomas C. Richards, Commandant of Cadets at the Air Force Academy. Orlando is a former member of the Florida Wing Cutler Cadet Squadron and is now in his second year at the Academy.



**Turkish Unit.** The charter for the Incirlik Cadet Squadron was presented to the squadron's commander, Maj Glenn B. Knight, by Major General Kenneth Burns, Commander of the US Logistics Group. This unit in Turkey was the seventh CAP Squadron founded under the overseas unit test program.

## Emergency Services

The overall objective of the Civil Air Patrol Emergency Services program is to save lives and relieve human suffering while safeguarding the lives of CAP personnel providing the service. CAP Emergency Services 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 Red Cross, Salvation Army, and other humanitarian organizations in conducting disaster relief operations.

### SEARCH AND RESCUE

The US Air Force is assigned responsibility by the National Search and Rescue Plan for coordinating search operations in the inland region of the United States. The Air Force discharges its responsibility through the Aerospace Rescue and Recovery Service (ARRS) of the Military Airlift Command. As the civilian auxiliary of the Air Force, CAP provides the primary resources available to ARRS in fulfilling this responsibility.

During 1979, CAP participated in 1,000 search missions, flew 18,340 hours, and was credited with locating 499 search objectives and saving 55 lives.

Compared to 1978, CAP participated in 108 more missions and located 30 more search objectives, but flew 6,460 fewer hours.

### SAR Techniques.

The above favorable comparison of SAR statistics can be attributed to a continued upgrading of CAP's expertise and capability in conducting the SAR mission and increased use of SAR aids and tools. According to Air Force Rescue Coordination Center (AFRCC) data, the Emergency



**Cadet Communicator.** Tom Frierson of the Texas CAP Jersey Village High School Composite Squadron served as radio operator during a Texas Wing Civil Defense Effectiveness Exercise at Ellington AFB near Houston.

Locator Transmitter (ELT) has proven to be the best aid to searchers and the best hope for timely rescue of survivors of air crashes.

Of 100 persons involved in air crashes, 35 will survive initially, of which 21 will be injured. After 24 hours, only four of the injured will still be alive, and of the 14 not injured in the crash, only seven will survive the first 72 hours. In summary, of 100 persons involved in air crashes, only 18 will survive for 24 hours and less than ten will live past 72 hours.

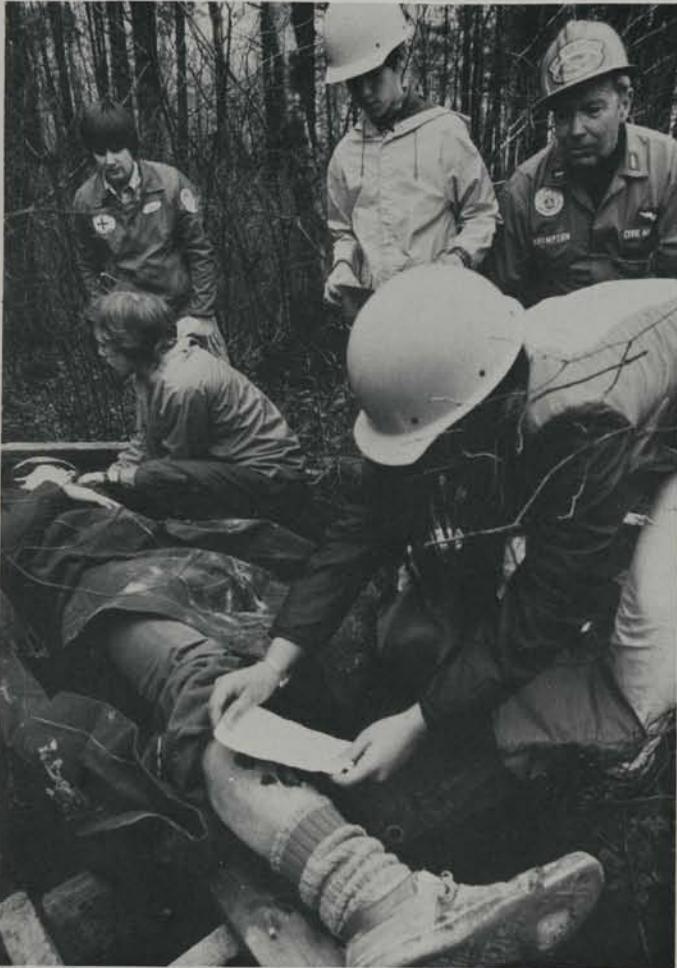
AFRCC statistics show that when a downed aircraft is equipped with a functioning ELT, the average elapsed time in getting aid to survivors is 23 hours. But in crashes with no ELT, the average time to get help to the crash site is *four days and 18 hours*. Also, the average flying time for the



### Kentucky Cooperation.

The joint effort of Lee Tucker, left, of the Kentucky CAP; Dorsey Curtis, center, of the American Red Cross; and a member of the Kentucky National Guard is representative of the cooperation between many organizations that is often required to assist persons in need as a result of disaster emergencies. They work together in distributing emergency food supplies to flood victims in the aftermath of the worst flash flooding in Kentucky history.

search effort is only 19 hours on ELT missions while on non-ELT missions, 130 flying hours are used. In summary, the ELT greatly increases survivability chances of crash victims and reduces both operating costs of search aircraft and exposure to danger of search personnel. Therefore, even with all of the false alarms caused by inadvertent activation of ELTs, the ELT is still an excellent search aid.



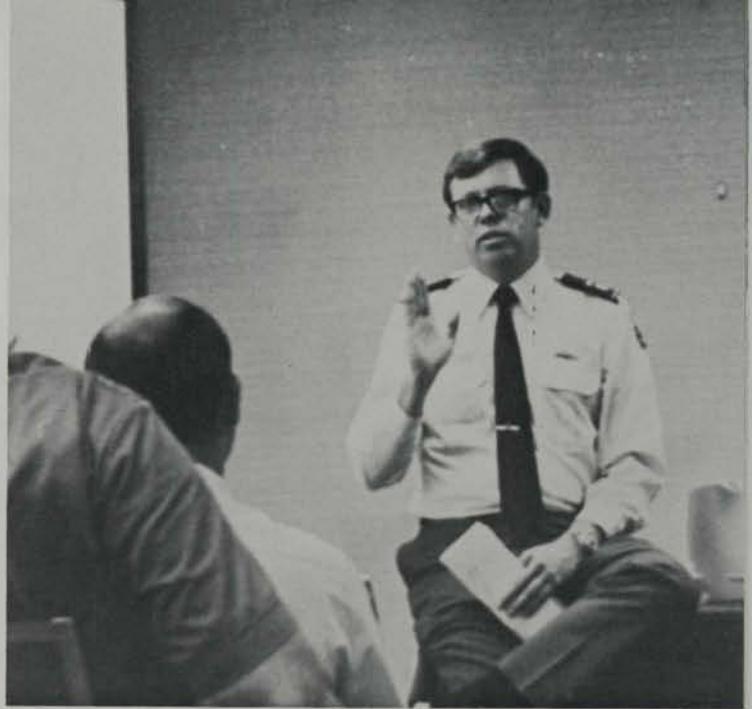
**Practice Mission.** Rhode Island's South County Composite Squadron treat a simulated victim during a search and rescue exercise in which a missing boy was presumed lost and injured. CAP units conduct such training in cooperation with other local emergency services organizations.

#### MISSION SUMMARIES

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

##### MOUNTAIN CRASH

**Washington.** Two persons aboard a light aircraft with no flight plan filed on a local flight in the Tacoma, Washington area, were reported missing and Washington CAP was requested to assist. Through the use of airborne direction finding (DF) equipment, Emergency Locator Transmitter (ELT) signals were traced to the crashed aircraft at the 14,000 foot level of Mt. Ranier. An Army helicopter from Fort Lewis recovered the two survivors and delivered them to St. Joseph Hospital in Tacoma.



**NASAR Member.** Lt Col James D. Bigelow of the CAP California Wing spoke at the National Association of Search and Rescue (NASAR) conference in Baton Rouge, Louisiana, on the various SAR techniques and programs with which he is involved. Bigelow was also elected to the NASAR Board of Directors during the conference. In this new position, he is extremely well qualified to represent Civil Air Patrol in search and rescue matters.

##### FOUR SAVED

**Colorado.** On 23 December, a light aircraft with five persons on board enroute from Longmont, Colorado to Fullerton, California, crashed in a snowfield at the 12,000 foot level in Rocky Mountain National Park. The pilot had failed to file a flight plan, but a "family concern" alert notice on the aircraft was issued by the Los Angeles FAA Flight Service Station on 24 December. Also on 24 December, the Air Force Rescue Coordination Center was notified of an emergency locator transmitter (ELT) signal being heard in the Denver area. Colorado CAP was notified and began the search which resulted in locating the downed aircraft on 25 December through use of an airborne direction finder. One army and two civilian helicopters were used to recover four survivors, the pilot and his three daughters, to the Longmont United Hospital.

##### TWO SAVED

**Utah.** Two hunters, 26 and 7 years of age, were reported three days overdue. At the request of the Sevier County Sheriff, Utah CAP located the two survivors within one hour of launching air search. The two were recovered in fair physical condition by sheriff department jeep.

##### LOST HUNTER

**Minnesota.** Minnesota CAP was requested by the Aitkin County Sheriff to assist in the search for a 59 year-old hunter who had become separated from his companions. When located by Minnesota CAP, the man had been exposed for several hours to temperatures in the low 20s and was suffering from the first stages of hypothermia. The survivor was recovered by a ground team and delivered to his cabin.



**Saunders Retires.** CAP-USAF Commander/CAP Executive Director Paul E. Gardner presents Certificate of Appreciation to Major General Ralph S. Saunders, Commander of the Aerospace Rescue and Recovery Service during his last visit to the CAP National Headquarters before his retirement. General Saunders spoke to the staff at Maxwell AFB and expressed his enthusiasm for the support CAP has given to the emergency services efforts of his command. (Photo by Ken Kennedy)

#### BROKEN LEGS

**Pennsylvania.** While assisting the Fairview, Pennsylvania, police search for a missing person who was not located, Pennsylvania CAP found a hunter with two broken legs and delivered him to a local hospital.

#### ONE SAVED

**Alabama.** A light aircraft with five persons on board was reported overdue on a flight from Birmingham to Anniston, Alabama. Alabama CAP located the aircraft wreckage five miles east of Anniston. One survivor was recovered by Army helicopter.

#### BROKEN BACK

**Tennessee.** At the request of the Smokey Mountain National Park, Tennessee CAP and the Blount County Rescue Squad cooperated in transporting a hiker who had broken her back in a fall to the Tennessee Memorial Hospital in Knoxville.

#### DOWNED HELO

**Texas.** A civilian helicopter with two persons on board and no flight plan on file was reported missing with last known position 28 miles south of Delhart, Texas. An Amarillo Composite Squadron aircraft located the downed helicopter and the two survivors were recovered by ground team.

#### MINE SHAFT

**Pennsylvania.** At the request of the Luzerne County Civil Defense, Pennsylvania CAP joined the search for a hunter who had been missing for two days. The hunter was located and recovered from a mine shaft by Pennsylvania CAP and delivered in fair condition to a local hospital.

#### HUMANITARIAN MISSION

**Kansas.** At the request of the American Red Cross, Kansas CAP delivered blood from Wichita to Great Bends, Kansas, to relieve a confirmed life or death crisis in the treatment of a leukemia patient.

#### TWO SAVED

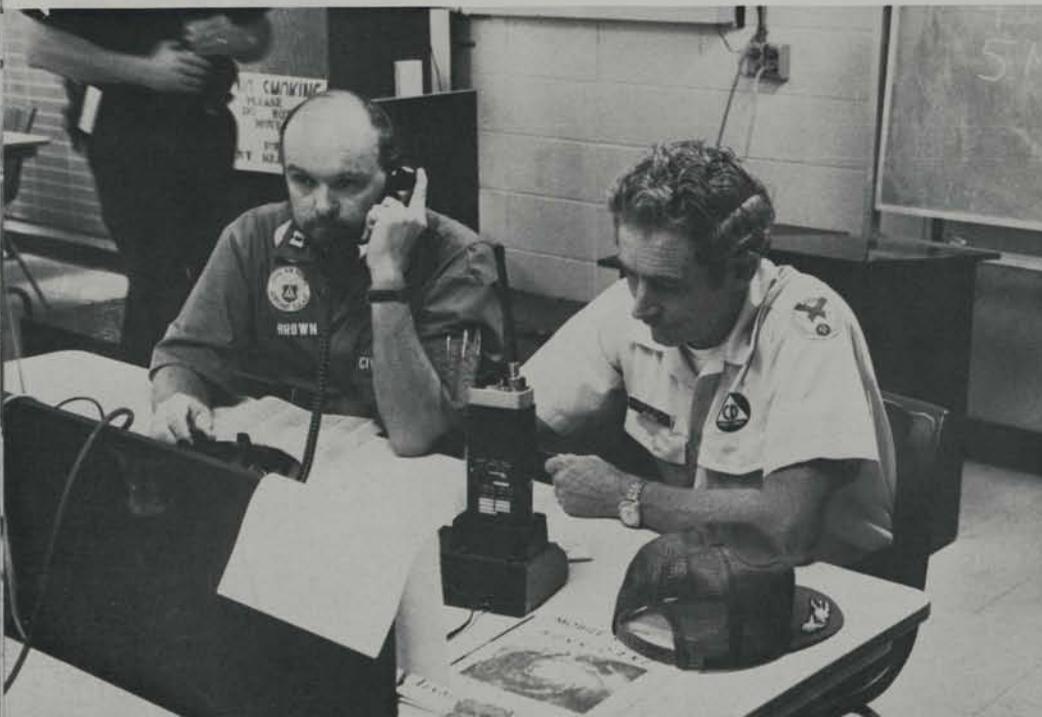
**Texas.** A light aircraft enroute from Houma, Louisiana, to Amarillo, Texas, with two people on board was reported missing by Amarillo Approach Control with last known position 3 miles south of Claude, Texas. Texas CAP located the downed aircraft approximately 7 miles west of Claude, Texas, and the two survivors were recovered by the Armstrong County Sheriff's Department and taken to the Northwest Texas Hospital in Amarillo.

#### CALIFORNIA CRASH

**California.** A Cessna-150 with two people on board and without a filed flight plan enroute from San Diego to Imperial, California, was reported overdue. California CAP made an ELT location of the wreckage of the missing plane north of Salton Sea, and the two survivors were recovered by a 40th Air Rescue and Recovery Squadron helicopter.

#### MISSING PIPER

**New York.** A PA-23 aircraft with one person on board was reported missing while enroute from Myrtle Beach, South Carolina, to Monticello, New York. Six New York CAP aircraft and two New York police helicopters were used in the two-day search that culminated in New York CAP locating the downed aircraft in the vicinity of Grahamsville, New York.



**Hurricane Relief.** Mobile, Alabama, was devastated by Hurricane Frederic which struck the port city on 12 September with winds in excess of 130 MPH. The hurricane triggered a number of violent tornados adding to the destruction which has been estimated at \$1.25 billion. At day-break, following passage of the storm, CAP members from throughout the southern half of the state arrived to provide emergency assistance to storm victims and to help in the massive cleanup job. Equipped with portable generators, chain saws, communications gear, and other tools, the CAP force joined with other civil relief agencies and hundreds of volunteers and worked for the next four days in clearing debris, removing fallen trees to make streets passable, and in distributing emergency supplies.

**Rescue Awards.** Colorado CAP members Donald Neikerk, left, and Gerald Alsum were presented the American Red Cross Certificate of Merit by Mrs. Barry Wennas, Chairman of Disaster Volunteers for the Rocky Mountain Division of the ARC. The award was in recognition of their life-saving role in locating and rescuing the 21 survivors of the crash of a commuter airliner that went down near Buffalo Pass, Colorado, on 4 December 1978 at night, during a blizzard. The certificate is the organization's highest award for saving or sustaining a life by using skills learned in Red Cross courses.



#### MERCY MISSION

**Colorado.** At the request of the Cortez Hospital staff, Colorado CAP flew antibiotic drugs from Grand Junction to Cortez, Colorado. The drugs were needed to sustain life of a patient suffering from infection of a heart valve.

#### ELT FIND

**Tennessee.** A Piper Tri-Pacer enroute from Jonesboro, Georgia, to Knoxville, Tennessee, with only the pilot on board, encountered icing conditions and crashed at the 5,500 foot level in the Great Smokey Mountains. The pilot survived the crash and a night of sub-freezing weather. A Tennessee SAR aircrew used direction finding equipment to locate the downed aircraft and communicated with the pilot by radio. At first light, an Army helicopter was directed to the crash site and recovered the survivor.

#### MEDICAL EVACUATION

**Alaska.** At the request of an Air Force physician at Clear Air Force Station, Alaska CAP evacuated an attempted suicide victim to the hospital in Fairbanks where life-saving treatment facilities were available.

#### DISASTER RELIEF

Civil Air Patrol provides disaster relief support to civil authorities on a local, state and national level. Local and state support is contingent upon agreements with those governments. National level support is by agreement with humanitarian organizations such as American National Red Cross and the Salvation Army or by agreement with federal agencies.

When CAP performs relief activity under agreement with a federal agency as authorized by PL 557, it is considered a federal resource as the auxiliary of the US Air Force. To involve CAP as a federal resource is not authorized except when disasters are beyond the capabilities of the resources available to civil authorities.

US military forces may provide support to civil authorities in relieving the suffering of victims of flood, storms, fires, earthquakes, and other catastrophies. Under the Department of Defense, the Department of the Army acts as executive agent for all military support in actual or threa-

tened major disasters and has primary responsibility for military support.

The Air Force Reserve (AFRES) is assigned overall responsibility for Air Force participation in natural disaster relief operations. Each numbered Air Force (Reserve) authorizes and coordinates employment of the CAP within its respective geographical area and coordinates all Air Force disaster relief activity with the Region CONUS Army. Every CAP wing has entered into an agreement with its respective numbered Air Force (Reserve) to make CAP personnel and resources available when required for relief activity.

During 1979, CAP participated in 11 natural disaster missions in 8 states, with more than 2,061 CAP member mandays, supported by light aircraft, emergency vehicles, radio networks, and emergency power generators.

**Civil Defense.** Defense Civil Preparedness Director Baryl R. Tirana, second from left, during visit to the CAP National Headquarters at Maxwell Air Force Base, Alabama, briefed top CAP officials on the planned new Federal Emergency Management Agency (FEMA) under which all federal agencies involved with civil defense will eventually be consolidated. From left, CAP Executive Director, Paul E. Gardner; CAP National Commander Thomas C. Casaday; and CAP National Administrator Gordon T. Weir. (Photo by Ken Kennedy)



## COMMUNICATIONS

Civil Air Patrol operates a national system of radio networks that enables communications throughout the continental United States, Hawaii, Alaska, and Puerto Rico. Activation of the system commences with the National Headquarters station that conducts a daily net with stations in each of the eight CAP regions. The region stations then participate in network broadcasts involving stations in each of their assigned wings. Wing stations conduct networks within their state that provides contact with the lowest echelon and can be monitored by individual CAP members. This relay system enables communication between the National Headquarters and even the most remote locations.

Additionally, there are special networks organized for specific purposes. The varied frequencies on HF, VHF, and citizens band permit many networks to operate simultaneously without interference, and in an emergency the CAP networks can be interfaced into an effective, cohesive communications system.



**Flood Relief.** During a 10-day period of record breaking rainfall and flooding in the Houston area, Texas Wing cadets install an antenna for the CAP communications support provided at the Red Cross relief center.

## MILITARY TRAINING ROUTE SURVEYS

To insure proficiency, military pilots must practice missions such as air-to-air combat, aircraft intercept and photo reconnaissance, often flying close to the ground to simulate penetration of enemy radar. Therefore, military agencies are authorized to conduct training exercises in civil airspace below 10,000 feet mean sea level (MSL). To effect the required training in a safe manner and with minimum environmental impact, the military in coordination with the Federal Aviation Administration (FAA) has set up various military training routes (MTRs). These MTRs are flown both VFR and IFR at altitudes lower than 6,000 feet MSL.

For safety reasons, the FAA requires an initial aerial visual survey for obstructions of all newly assigned low level, high speed military training routes. The FAA further stipulates that surveys be flown below 1,000 feet, once down the center and once along each side.

The Strategic Air Command (SAC) normally meets the survey requirement for its routes through contract with general aviation sources for light aircraft and pilots to fly the routes with (SAC) observers on board. At the request of SAC numbered Air Force, Civil Air Patrol provides aircraft and pilots to perform some of the surveys. Since October 1977, CAP has assisted in the survey of 19 routes. By using CAP resources, SAC can save over \$900 per route. In the future CAP will perform at least 12 annual surveys for SAC and possibly more for other commands and even other military services.

**Team Training.** The Coffeyville Airport was the site of a weekend CAP Kansas Wing emergency services training exercise. Tom Dennison, left, and Bill Emrie check sectional chart as the team of pilots, observers, communicators, and ground search personnel prepare to begin the exercise.



**Boom Operator.** Mary Gilmore, as a sergeant in the Air National Guard, is one of several women who have completed training as boom operator on the KC-135 refueling aircraft. Mary is a member of New Hampshire's Highlander Composite Squadron. (New Hampshire ANG Photo)

# 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 perform a specialized and vital role in the religious and moral life of the approximately 60,000 Civil Air Patrol cadets and senior members. Each applicant for appointment as a CAP chaplain is carefully screened for professional competence and required to obtain ecclesiastical approval from his or her denomination. In addition, each is required to be in a full-time religious vocation at the time of appointment, ordained, and have completed four years of college and three years of seminary or its equivalent. The CAP chaplain force is further augmented by approximately 350 visiting clergy (not members of Civil Air Patrol) who conduct the cadet "Values for Living" sessions which are integrated into the moral leadership training program in squadrons that are without a duly appointed chaplain. During 1979, CAP chaplains contributed more than 113,093 man-hours to CAP, conducted 7,226 "Values for Living" sessions, held 23,328 personal interviews and counseling sessions involving 51,540 members, visited 4,608 homes and units, and conducted 5,176 religious services/rites in addition to attending, at their own expense, innumerable other CAP activities, including wing and region chaplain conferences and ministry to youth labs. The CAP chaplaincy demonstrates a type of grassroots ecumenism that spotlights, within a community, a strong, positive image of religion in action. As a key member of the CAP unit commander's staff, the chaplain provides a continuing ministry through the moral leadership program, professional functions, personal counseling, occasional worship services, and as a significant liaison between the CAP unit and the member's home, church, and community.

## 1979 HIGHLIGHTS:

- The Casaday-Elmore Ministerial Grant of \$500 was

**Chaplain Award.** During the CAP National Board Meeting in Salt Lake City, Chaplain Raymond F. Valle of the Quincy Composite Squadron, Massachusetts Wing was presented the Thomas C. Casaday Unit Chaplain of the Year Award by Maj Gen Richard Carr, Air Force Chief of Chaplains, left, and Brig Gen Thomas C. Casaday, National Commander Civil Air Patrol. (Photo by Ken Kennedy)



**Volunteerism Meeting.** Alice Tucker, center, Commander of Kentucky's CAP Group 4 and Lee Tucker, Kentucky Deputy Wing Commander, were participants in a Governors Conference on Volunteerism hosted by Julian M. Carroll, Governor of Kentucky.

awarded to C/2Lt Robert G. Showers, CAP, Dodge County Composite Squadron, Beaver Dam, Wisconsin, for use toward an education preparing for a ministry-related field. He is enrolled at the College of St. Thomas, St. Paul, Minnesota.

- Chaplain, Major, Raymond F. Valle, CAP, Quincy Composite Squadron, Quincy, Massachusetts, was awarded the Thomas C. Casaday Unit Chaplain of the Year Award. Chaplain Valle is the first Roman Catholic priest to be so honored. He has served Civil Air Patrol as a chaplain since 1972. His work with the Quincy squadron and the Massachusetts Wing has been outstanding.
- The National Chaplain Committee met in conjunction with the CAP National Board Meeting in Salt Lake City, Utah. In addition to workshops and seminars on the CAP chaplaincy, Chaplain, Major General, Richard Carr, Chief of Chaplains, USAF, delivered a challenging address on leadership to the nearly 100 chaplains attending. Another highlight of the meeting was the inspiring and memorable address given by Elder Marion D. Hanks, a General Authority of The Church of Jesus Christ of Latter-day Saints, at the second annual CAP National Commander's Prayer Breakfast.
- Ministry to Youth Labs/Chaplain Training Conferences were held in six regions. Sixty-five CAP cadets attended two USAF-sponsored Christian Encounter Conferences.
- New chaplains appointed to CAP units numbered 150.

### Major denominations indorsing chaplains serving in CAP include:

Advent Christian	Episcopal
Seventh-day Adventist	Evangelical Congregational Church
American Evangelical Christian Church	Evangelical Free Church of America
Assemblies of God	Friends
Associated Gospel Churches	Gospel Mission Corps
General Association of Regular Baptists	Holiness Churches
American Baptist	Independent Churches
Southern Baptist	Independent Fundamental-Churches in America
Conservative Baptist	International Church of the Foursquare Gospel
Bible Baptist	Jewish
General Conference Baptist	Latter-day Saints
National Baptist	Lutheran
Brethren	Mennonite
Catholic (Roman)	Methodist
Christian	Nazarene
Christian and Missionary Alliance	Old Catholic
Christian Reformed Church	Open Bible Standard
Christian Science	Orthodox
Church of Christ	Pentecostal Holiness
Church of God	Pilgrim Holiness
Church of God of Prophecy	Presbyterian
Congregational Church (Christian)	Reformed Church in America
Council of Community Churches	Salvation Army
Disciples of Christ	United Church of Christ



## Senior Member Training

The three missions of Civil Air Patrol attract a diverse group of members with varied education and skill levels that makes a strong and standardized training program a basic necessity. Not only must members be trained to work with cadets and in the specialties required for the more glamorous search and rescue mission, they must also be trained to do the routine day-to-day jobs in areas such as personnel, administration, logistics, finance, etc., which are fundamental to any successful organization.

The Directorate of Senior Training at National Headquarters identifies training needs and develops programs as appropriate. The directorate staff works with CAP members in the field and with other Headquarters CAP and Air University agencies to implement programs and develop curricula for courses conducted at national, regional, wing, and squadron levels. The CAP senior training program is organized into five levels.



**Limbering Up.** National Staff College students go through a muscle stretching routine prior to undertaking the challenging problem-solving exercise called "Project X". The 12th annual CAP National Staff College was conducted at Maxwell AFB, Alabama, for 86 CAP senior members from throughout the nation. (Photo by Noel Tomas)

### Level I — CAP Orientation Course

A new CAP Orientation Course was implemented in September 1979 following a year and a half of development. It is a four-hour slide/tape presentation which introduces new members to the traditions of CAP and provides basic instruction in such areas as CAP customs and courtesies and proper wear of the CAP uniform.



**Leadership Class.** Robert Paulsen, left, leads a seminar in Michigan Wing Squadron Leadership School at Ypsilanti. Over the past two years these locally conducted weekend courses have become an integral part of the program to train inexperienced squadron commanders and staff officers in the basic skills needed in their CAP jobs.

### Level II — Technical Specialty Training

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 may 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. Members also learn to handle certain CAP-unique leadership 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.

### Level III — Command and Staff

Central to this training level is the Region Staff College, now available in each region, or as needed. These one-week courses provide training in the communicative, leadership, and management skills to squadron level command and staff officers. A total of 349 senior members graduated from region staff colleges in 1979.

Successful completion of Air University's Extension Course Institute Squadron Officers School and study of four CAP pamphlets summarizing basic leadership/management theory and practice are required for completion of this level of training.

### Level IV — Senior Command and Staff

Members at this level are expected to represent CAP in their communities with presentations before local civic clubs, church groups, and governmental agencies. They also must attend the ten-day National Staff College (NSC) conducted annually at Maxwell Air Force Base, Alabama. This

NATIONAL CONGRESS ON AEROSPACE EDUCATION  
ATLANTA, GEORGIA

The National Congress on Aerospace Education is sponsored by CAP, FAA, and NASA as a vehicle for aerospace education leaders from education, government, and industry to share information and ideas and to work together in motivating and developing grass roots enthusiasm and understanding for aerospace power.

The 12th annual meeting of the Congress was held in Atlanta on 5-7 April with 507 registrants. The three-day program offered a variety of presentations, workshops, seminars, field trips, special subject reports, and exhibits.

Some of the subjects covered were: The Summation of Flight by Dr. Paul Garber; Aerospace Rescue and Recovery by Maj Gen Ralph Saunders; The Gossamer Condor by Mr. Jack Lambie; The World Aerospace Education Organization by Dr. Kamal Naguib; Aerospace Education Activities--For Learning and Fun by Dr. Elizabeth Martin; Aviology Concept Programs by Dr. Paul Becht and Dr. Thomas Gadsden; Comments on the Space Shuttle Era by astronaut candidate Frederick Gregory; The Constructive Learning Method by Mr. Henry Blankfort; a Panel on Women in Aerospace

chaired by Mrs. Mary Anderson; "Make It and Take It" by Dr. Ted Colton and staff; and the Mini Congress 79 directed by Ms. Carol Hickson, Ms. Debbie Williams, Mr. Ken Perkins and Dr. Ted Colton.

Civil Air Patrol will continue its sponsorship and participation in the annual National Congress on Aerospace Education because of the belief that the program contributes significantly to the aerospace education mission and to improving aerospace power in America.

- Photos by Ken Kennedy



By building and launching rockets, teachers are taught the educational uses of model rocketry.



Jack Lambie, a member of the "Gossamer Condor" design team, builds a model aircraft in "Make It and Take It."



"Make It and Take It" provided ideas and free or inexpensive materials for construction of teaching models.



Dave Robson teaches teachers about the science, construction and launching of boomerangs.



L to R: Kamal Naguib, Egypt, Aviation Editor of Al-Ahram; Dr. Kathryn Sullivan, astronaut trainee; Gary Bauman; Mary Anderson; and Dr. Mervin Strickler.



CAP members Robert Paulson (L) Dottie Warren, and Dave Smith are 1978 graduates of the CAP Aerospace Education Leadership Development Course.



Teachers are taught how hot air balloons can be understood, built, and used in the classroom.



Emily Warner shares her experiences as first officer on 737 jets, and as the first woman pilot for a major US airline.



"The Constructive Learning Method" being demonstrated by two students.



Bob Cannon of Estes Industries describes the educational application of model rocketry.



L to R: CAP Brig Gen Thomas Casaday, Smithsonian Historian Emeritus Dr. Paul Garber, USAF Maj Gen Ralph Saunders, and USAF Brig Gen Paul Gardner.



Bill Reynolds, artist/educator, describes his painting of the last air battle of the "Red Baron."



**CADET ENCAMPMENT  
HILL AIR FORCE BASE, UTAH**

Attendance at a CAP cadet encampment is a prerequisite to earning the General Billy Mitchell Award which is a major milestone in the Cadet Program. The Mitchell Award qualifies cadets for participation in more advanced special activities. Also, the Air Force has approved the award of pay grade E-3 (Airman First Class) upon enlistment to persons who have earned the Mitchell Award.

Several thousand cadets annually attend encampments held on Air Force Bases and at other military facilities or at available community, state, and federal locations. The program gives cadets a first hand look at day-to-day Air Force life and provides practical experience and information on military career opportunities.

The encampment conducted at Hill Air Force Base, Utah during June for cadets from the Utah and Wyoming Wings provided a wide variety of informational, educational, recreational, and training activities that were enthusiastically received by all participants. The successful program was made possible through the excellent support of Hill Air Force Base and the personal interest and involvement of a number of Air Force personnel.

Civil Air Patrol is indebted to the Department of Defense and the personnel of all of the DOD installations throughout the country that supported the 1979 Civil Air Patrol Encampment Program. (Photos by Ken Kennedy)





Johnnie Boyd of Del City, Oklahoma was elected National Commander of Civil Air Patrol and assumed the CAP grade of Brigadier General at the 28-29 September 1979 meeting of the CAP National Board in Salt Lake City. The former Oklahoma Wing Commander, and National Vice Commander is only the second former CAP cadet to rise to the top leadership position in the organization. L to R: CAP Brig Gen Thomas C. Casaday, outgoing National Commander; Air Force General Bennie L. Davis, Commander of Air Training Command; CAP Brig Gen Johnnie Boyd; Air Force Lt Gen Stanley M. Umstead Jr., Commander of Air University; and Air Force Brig Gen Paul E. Gardner, CAP Executive Director and Commander of Hq CAP-USAF. (Photo by Ken Kennedy)



Cadet members of the CAP National Capital Wing delivered copies of the 1979 Civil Air Patrol Annual Report to the office of each member of Congress. In many instances they were able to meet the congressman and present the report in person as they did with Utah Senator Orrin G. Hatch. The Civil Air Patrol Annual Report to Congress is required by Public Law 476, the statute under which CAP is chartered as a benevolent, non-profit corporation. (Photo by Ken Kennedy)



## INTERNATIONAL AIR CADET EXCHANGE (IACE)

The International Air Cadet Exchange (IACE) was conceived in 1946 by the Air Cadet League of Canada and the Air Training Command of Great Britain and the first exchange was conducted in 1947 between those two organizations. With the assistance of the US Air Force, Civil Air Patrol entered the program in 1948 and has participated annually since. The activity has grown and developed over the years and has involved as many as forty countries at one time or another.

The 1979 exchange was participated in by nineteen nations with 178 CAP cadets and 28 senior escorts visiting one of the other eighteen participating countries while 202 cadets and 33 escorts from those countries were hosted by CAP wings in the United States.

The top two rows of photos below show CAP cadets departing Andrews Air Force Base, Maryland for the nineteen-day European phase of the Exchange and the bottom two rows show European cadets

being greeted upon arrival at Dulles International Airport, Washington, D.C. and visiting the Smithsonian National Air and Space Museum.

At its origin, the purpose of the IACE was to promote international understanding, goodwill, and friendship among young people having a common interest in aviation. That objective is as meaningful today as it was in 1948 when Civil Air Patrol first participated in the program. (Photos by Ken Kennedy)





**Borman Award.** Leslie Dowell of New York's Rome Composite Squadron was presented the Frank Borman Falcon Award by Air Force Brigadier General Charles B. Jiggetts, Commander of the Northern Communications Area. Leslie attends Ohio State University and is enrolled in Air Force ROTC.

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.

#### **Level V — USAF Senior School**

The academic accomplishment required in Level V is completion of Air University's Air War College Associate Program. The training provides an insight into Air Force policy desired of senior leaders in CAP. Three years' experience in a command or staff position is also required for completion of this training.

**Specialized Mission Training** — Many community-level specialized training programs, such as those conducted by the Red Cross and local Civil Defense Agencies, are available to CAP senior members as well as national programs such as:

- **National Search and Rescue (SAR) School.** The National SAR School is a one-week course designed to enhance the professionalism of SAR mission coordinators. The school is conducted by the USAF and USCG at Governors Island, New York. In 1979 an additional school was conducted at Government Island, Alameda, California.

- **Mission Coordinator Course.** These are two-day courses conducted by the Air Force Aerospace Rescue and Recovery Service at locations throughout the country to provide mission coordinator training to persons involved in the inland search and rescue missions.

- **Mission Training Exercises.** Each CAP wing conducts emergency services training and upgrading programs throughout the year to improve both the skills of individual members and the effectiveness of the organization as a team. Also, each wing annually undergoes disaster relief and two search and rescue test exercises under the scrutiny of Air Force evaluators. The purpose of these tests is 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. A valuable side benefit of test exercises is training gained through the opportunity provided to practice mission skills under realistic conditions.

- **Communications School.** The CAP Northeast Region conducts a communications school at Kutztown State College, Kutztown, Pennsylvania, which is open to both senior and cadet members. The specialized training in communications techniques and procedures is designed to qualify attendees for CAP Communications Officer positions.

- **Flying Clinics.** Flight clinic training consists of both ground school and flight maneuvers designed to improve pilot proficiency and enhance flying safety. Clinics are conducted either by CAP or agencies such as FAA at various locations within the eight CAP regions.

**Home Study** — Many CAP members devote much of their time to self-development through home study. Various opportunities are available for home study training, among which are:

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

- **Defense Civil Preparedness Agency (DCPA).** The DCPA Staff College makes courses on "Civil Defense USAF" and "Introduction to Radiological Monitoring" available to all CAP members for home study.



**CAP Week.** Alabama Governor Fob James issued an official proclamation declaring the first week in December as Civil Air Patrol Week in Alabama. At the governor's office for the signing ceremony were, from left: Alabama Wing Commander Col Philip L. Tate; Alabama Wing USAF-CAP Liaison Officer Lt Col Jerry McQuitty; Air Force Brig Gen Paul E. Gardner, CAP-USAF Commander and CAP Executive Director; and CAP Lt Col Walter Owens, a member of the Alabama state legislature. (Photo by Ken Kennedy)

# Support For Civil Air Patrol

## The CAP-USAF Liaison Structure

Public Law 557 authorized the Secretary of the Air Force to provide certain support to CAP such as the use of Air Force services and facilities, assistance with training, excess equipment, reimbursement for fuel, lubricants, and communications expenses on Air Force authorized missions, and Air Force liaison personnel assigned at the national, regional, and wing levels of Civil Air Patrol.

The Air Force liaison structure and Civil Air Patrol come together at the Headquarters CAP-USAF/National Headquarters Civil Air Patrol level. Brigadier General Paul E. Gardner, as the senior officer in the CAP-USAF liaison structure, performs duties in a dual status.

In his military capacity, he directs USAF support of CAP and commands all Air Force personnel assigned to Headquarters CAP-USAF and the eight region and 52 wing liaison offices.

In his role as Executive Director of Civil Air Patrol, he serves in his private capacity and not as an officer of the United States Air Force. As Executive Director, he administers the day-to-day activities of CAP and is a voting member of the CAP National Board and National Executive Committee. The Air Force staff assigned to Headquarters CAP-USAF support the Commander, CAP-USAF/CAP Executive Director 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 staff in the region office and an officer and noncommissioned officer in each of the USAF-CAP Wing Liaison Offices (state level) under his jurisdiction.

USAF-CAP 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 and control between CAP and federal government resources where facilities, services, equipment, or funds are involved.

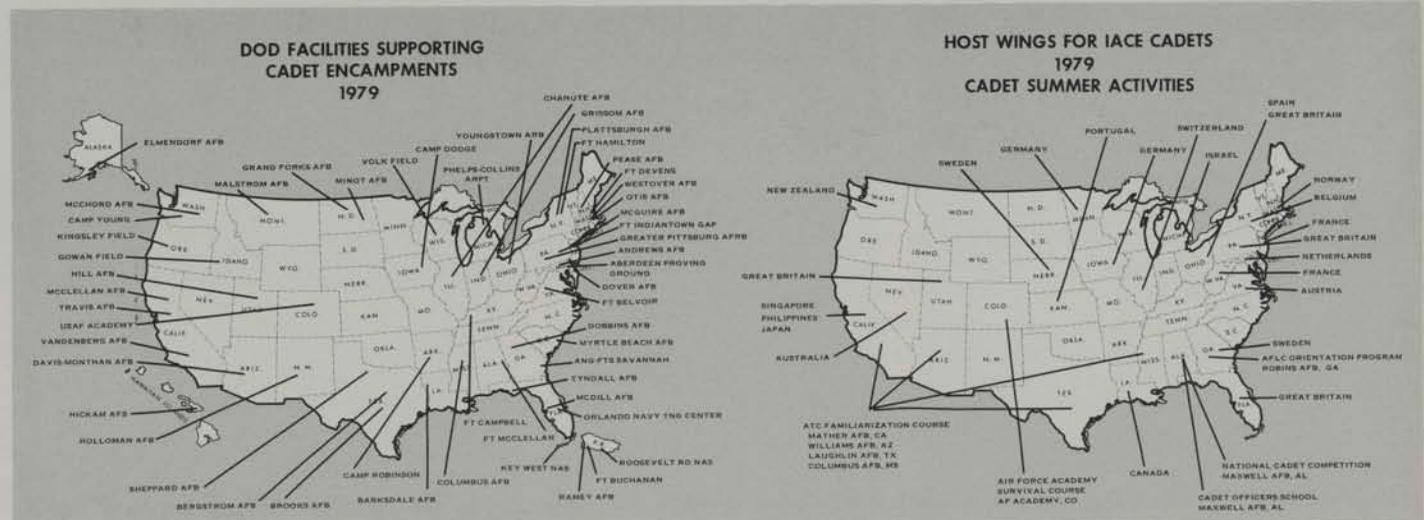
Within the Air Force command structure, Headquarters CAP-USAF comes under Air University, commanded by



**Secretary Visit.** George M. McWilliams, right, Deputy Assistant Secretary of the Air Force for Reserve Affairs visited with Paul Gardner, Commander CAP-USAF at the CAP National Headquarters at Maxwell Air Force Base. Mr. McWilliams told of his long association with Civil Air Patrol and his interest and concern regarding the future welfare of the organization. (Photo by Ken Kennedy)

Lieutenant General Stanley M. Umstead, Jr., and Air Training Command, commanded by General B. L. Davis.

**Occupancy of DOD Facilities.** The use of Department of Defense (DOD) facilities gives some financial relief to Civil Air Patrol units and provides for maximum utilization of the facilities. CAP units occupy approximately 350,000 square feet of DOD building and office space at 104 locations. This accommodates less than 15 percent of the Civil Air Patrol units that require better facilities. The reduction in number of DOD facilities even further limits the availability of such facilities for CAP use. Enactment of the proposed amendment to the CAP Supply Bill, HR 1200, would provide relief since it would authorize CAP use of the services and facilities of other federal civil agencies in addition to DOD property as presently authorized under PL 557, Title 10, USC 9441.



**DOD Excess Property.** Civil Air Patrol is authorized by Public Law 557 to acquire equipment and supplies that are excess to the needs of the Department of Defense. Property acquired during 1979 included aircraft, vehicles, communications equipment, office equipment, and other property with an estimated value of \$2,022,000. The estimated value is 20 percent of the original cost to DOD. 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 41 excess aircraft for transfer to CAP during 1979 as compared to 24 in 1978.



**Prison Program.** The Oregon CAP Wing and the Oregon State Prison at Salem are cooperating in an unusual but mutually beneficial program. CAP owned vehicles are overhauled and reconditioned through the prison's automotive maintenance vocational training program at no cost to CAP other than for parts, paint, etc. The program provides more realistic training, since prior to its inception work projects were scarce and they were forced to repeatedly take apart and reassemble the same vehicle. To date, 21 vehicles have been reconditioned and six more are in various stages of repair.

#### **Proposed Legislation in Support of Civil Air Patrol**

• A proposed amendment to Section 9441, Title 10, USC (The CAP Supply Bill) was introduced into the House of Representatives as HR 1200 on 22 January 1979, and into the Senate as S 1629 on 2 August 1979. These two bills contain provisions that would require both federally funded support and unfunded support. The unfunded support provisions would authorize the USAF to: (1) acquire excess personal property (aircraft, automotive vehicles, communications equipment and tools) from any federal department or agency, including excess government-owned property and facilities under control of federal civil agencies for use on a loan basis by CAP units. The support provisions that would require additional federal funding are: (1) free uniforms for CAP cadets in such quantities and under such limitations as the Secretary of the Air Force may prescribe; (2) reimburse CAP in a fixed amount per flying hour above fuel and lubricant costs while participating in Air Force missions and certain approved training missions; and (3) reimburse members of CAP for payment of travel expenses and subsistence while assigned to Air Force authorized missions.

• House Joint Resolution 346, introduced on 24 May 1979, would authorize the President to designate December 1 as National Civil Air Patrol Day.

• House Resolution 4239 to amend the Airport and Airways Development Act of 1970 was introduced on 24 May 1979. This bill would exempt Civil Air Patrol from the federal excise tax on its aircraft fleet.

• House Resolution 4238 would amend 5 USC 8141 (The CAP Compensation Act) to change the deemed monthly salary on which benefits are computed to that of a GS-2, Step 1, and to provide coverage for cadets 18 years of age or older.

**CAP Supply Depot.** CAP operates a supply depot at 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 600 CAP corporate-owned aircraft, consisting of 42 different makes and models. Parts for the DOD excess and CAP-acquired, civilian-type 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.



**Community Service.** John Stankus, commander of New York's Taconic Cadet Squadron and an employee of IBM, presented a check for \$1,045 on behalf of IBM's community service program to cadet deputy commander Stephen Hughes. Such local support is needed and appreciated because it contributes greatly to the vitality and success of the grass roots units of Civil Air Patrol that are performing the organization's basic missions.

## Association With Other Organizations

The success of Civil Air Patrol, like most volunteer organizations, is totally dependent upon the commitment and dedication of its members who contribute their time, talents, and resources in support of worthwhile objectives. Civil Air Patrol also is associated with other organizations, locally, nationally, and internationally, in areas of common interest. As a volunteer organization with limited resources, Civil Air Patrol has found that such relationships help insure that the maximum potential of each organization is more nearly realized.

**Order of Daedalians.** This multi-service fraternal organization of military pilots supports CAP through financial contributions for local squadron activities and solo and private pilot scholarships on both the local and national levels. National recipients of \$1,000 scholarships in 1979 were cadet Thurman Robertson of the Alabama Wing and cadet Alfonso Garcia of the Puerto Rico Wing. The scholarships were used for ground and flight training toward an FAA private pilot certificate.



**Daedalians Scholarship.** Thurman Robertson of Alabama's Roebuck Cadet Squadron was presented a \$1,000 flight scholarship from the Order of the Daedalians by CAP Executive Director Paul E. Gardner. The Daedalians is a multi-service fraternal organization of military pilots that supports CAP through financial contributions for local squadron activities in addition to two \$1,000 national scholarships.

**Air Cadet League of Canada.** The International Air Cadet Exchange (IACE) was conceived and initiated by the Air Cadet League of Canada in 1947. Since 1948, Civil Air Patrol has participated in the exchange and over the years has developed an especially close association with the ACLC in planning and conducting the program.

**Air Force Association (AFA).** The AFA is a long-standing supporter of Civil Air Patrol programs on both the national and local level. AFA actively participates in the National Congress on Aerospace Education and provides scholarships for some of the attendees at the Aerospace Education Leadership Development Course.



**AFA Award.** Kenneth Wright from Oregon's Mahlon-Sweet Composite Squadron received the Air Force Association Special Award in recognition of his selection as the Civil Air Patrol Cadet of the Year. The award trophy was presented by AFA representative William Athas during the 1979 meeting of the CAP National Board in Salt Lake City.

**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. Beginning in 1979, the American Legion annually recognizes the Outstanding Squadron in each of the 52 CAP wings. The award certificate, which may go to either a cadet, senior, or composite unit, will be presented in appropriate ceremonies by a local American Legion department commander. 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 grass roots level.

**American Red Cross.** The American Red Cross is assigned responsibility by the Federal Disaster Act of 1970 to assist persons in need as a result of disaster emergencies while Civil Air Patrol has an emergency services mission to assist the Air Force in fulfilling its responsibilities for natural disaster relief operations. Because of these common commitments, the two organizations have developed a close working relationship that is formalized by a mutual support agreement extending to local Red Cross chapters and CAP squadrons.

**Federal Aviation Administration (FAA).** The FAA, NASA, and CAP are cosponsors of the annual National Congress on Aerospace Education and the FAA is a strong supporter of other CAP aerospace education efforts such as the Aerospace Education Leadership Development Course which will be conducted at Maxwell AFB, Alabama, on 27 July-16 August 1980 in cooperation with Middle Tennessee State University. The FAA Orientation Course for CAP cadets is conducted annually at Will Rogers World Airport in Oklahoma City and FAA sponsored flight clinics conducted throughout the country are well attended by CAP pilots.

**National Aeronautics and Space Administration (NASA).** NASA cosponsored the 1979 National Congress on Aerospace Education in Atlanta and provided Astronaut Candidate Major Frederick D. Gregory to make a presentation on the Space Shuttle Era and Astronaut Candidate Dr. Kathryn Sullivan to participate in the "Women in Aerospace" panel. NASA also supports the CAP Aerospace Education Leadership Development Course and sponsors the annual Space Flight Orientation Course for CAP cadets at the Marshall Space Flight Center and Redstone Arsenal in Huntsville, Alabama.

**Veterans of Foreign Wars (VFW).** At its 1979 Convention, the VFW again adopted a resolution recognizing the common interests and cooperation between CAP and the VFW and urged VFW units throughout the country to maintain and strengthen their ties with local Civil Air Patrol units.

**Volunteers of America (VOA).** The VOA and CAP are developing a mutual assistance agreement that will be formalized in early 1980 to insure 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 insure that the maximum potential of both organizations will be realized.



**Red Cross Aid.** When fifty teenage and adult CAP members of four Michigan Wing squadrons held a cold weather bivouac and training exercise, Red Cross volunteers, from left, Nancy Webster, Marlene Stites, and Cindy Gray were on hand to prepare and serve meals.

**Optimist International.** Optimists Clubs throughout the country sponsor Civil Air Patrol cadet units in accordance with their commitment of service to their communities.

**U.S. Air Force Reserve.** Air Force Reserve personnel are valuable assets to Civil Air Patrol in their support of the CAP Cadet Officers School and National Staff College conducted each summer at Maxwell AFB, Alabama, cadet encampments, aerospace education workshops, and a wide variety of other special activities conducted throughout the nation. Reservists serve short tours of active duty to assist with some national level programs, but most of their service is with CAP programs at the grass roots level where their only compensation is point credit for retirement.



**Good Neighbors.** Cadets of Oregon's Tualatin Composite Squadron helped collect and sort food for distribution to organizations dedicated to assisting people in need. The week-long activity is conducted by the United Good Neighbor program in Portland.

**Federal Emergency Management Agency (FEMA).** The Federal Emergency Management Agency (FEMA) was created by combining several federal disaster relief agencies. Civil Air Patrol has continued to work with the Plans and Preparedness Office of FEMA as it worked with the Defense Civil Preparedness Agency under their 1974 Memorandum of Understanding. FEMA has ten regional offices that coordinate emergency services activities with state and local governments. CAP wings have developed agreements with state and local governments making CAP support available during emergencies.

**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. Sam Tropea of the FCC Licensing Division and Mr. Robert McNamara of the FCC Rules Division, have assisted by providing technical and administrative guidance.

**National Association for Search and Rescue (NASAR).** This national, nonprofit association promotes and supports search and rescue and provides a public forum for cooperation between state, federal, local and private search and/or rescue groups. NASAR's support has produced impressive congressional response for the Civil Air Patrol Supply Bill. Lt Col James Bigelow of the CAP California Wing represents Civil Air Patrol on the NASAR Board of Directors.

**Salvation Army.** The Salvation Army is charged under the Federal Disaster Relief Act of 1970 with responsibility to assist persons in distress as a result of disaster emergencies. One of Civil Air Patrol's primary missions is also emergency services and as a result of this common interest, the Salvation Army and Civil Air Patrol in 1973 adopted a statement of cooperation to insure that the maximum potential of the two organizations will be utilized to assist persons in need.

# Statistical Summary

## STATISTICAL SUMMARY 31 December 1979

	1978	1979
<b>Membership</b>		
Cadets	22,690	23,277
Seniors	34,951	36,275
Total Members	57,741	59,552
<b>Organizational Units</b>		
Regions	8	8
Wings	52	52
Groups	183	179
Senior Squadrons	254	245
Cadet Squadrons	383	371
Composite Squadrons	910	917
Flights	106	102
Total Units	1,895	1,875
<b>Radio Stations</b>		
Fixed Land	4,029	4,191
Ground Mobile	12,645	14,930
Air Mobile	2,850	3,515
Citizen Band	2,988	2,978
Search and Rescue (SAR)	262	539
Corporate Aeronautical	639	522
Repeater Stations	148	168
Emergency Locator Transmitter (ELT)	43	65
Total Stations	23,604	26,908

	1978	1979
<b>Aircraft</b>		
Corporate owned	630	600
Member Owned	5,471	6,787
Total Aircraft	6,101	7,387
<b>Emergency Services Missions</b>		
Missions	892	1,000
Flights (Sorties)	11,841	8,975
Hours Flown	24,800	18,340
Objectives Located (Finds)	469	499
Lives Saved (Saves)	91	55
<b>Effectiveness Tests</b>		
Search and Rescue	48	44
Disaster Relief	46	37
<b>Encampments</b>		
Active Air Force Host Bases	25	34
Cadets Attending	5,208	5,231
Seniors Participating	856	903
<b>Cadet Awards</b>		
Mitchell Awards	1,022	1,002
Earhart Awards	420	341
Spatz Awards	37	43

### Wing Participation in Emergency Services 1 January 1979 through 31 December 1979

The following table shows the extent of CAP support to USAF authorized search and rescue missions, disaster relief, and other emergency services missions. Additional thousands of hours are spent on state and local activities that are not reported. "Finds" means number of search objectives located, "saves" are the number of lives saved as a result of CAP activity.

	Number			Flying	
	Missions	Finds	Saves	Hours	Mandays
Alabama	16	9	1	157	328
Alaska	90	36	2	1,384	997
Arizona	30	11	0	717	649
Arkansas	19	7	0	151	283
California	108	71	4	3,335	3,005
Colorado	56	31	10	838	1,367
Connecticut	8	4	0	50	361
Delaware	2	1	0	3	16
Florida	38	19	0	1,265	2,703
Georgia	23	8	1	899	1,189
Hawaii	12	2	0	162	100
Idaho	10	5	0	200	246
Illinois	24	15	0	393	528
Indiana	13	6	0	168	360
Iowa	5	1	0	220	199
Kansas	20	4	10	49	62
Kentucky	9	2	0	57	135
Louisiana	32	20	0	112	445
Maine	8	5	0	188	295
Maryland	18	8	0	221	439
Massachusetts	8	5	0	32	186

Michigan	19	14	0	321	861
Minnesota	20	6	3	308	640
Mississippi	9	4	0	48	125
Missouri	12	5	0	56	125
Montana	5	1	0	179	173
National Capital	1	0	0	0	35
Nebraska	7	3	0	17	89
Nevada	26	11	0	256	534
New Hampshire	3	1	0	199	234
New Jersey	10	6	0	167	239
New Mexico	30	11	2	941	826
New York	24	16	1	127	408
North Carolina	23	7	0	480	1,274
North Dakota	7	5	1	13	58
Ohio	12	6	0	106	279
Oklahoma	19	6	2	76	195
Oregon	33	11	2	1,084	849
Pennsylvania	38	20	2	302	2,163
Puerto Rico	2	1	0	5	4
Rhode Island	0	0	0	0	0
South Carolina	19	5	0	283	558
South Dakota	3	1	0	27	34
Tennessee	20	9	2	144	419
Texas	62	35	4	524	2,234
Utah	34	14	6	412	659
Vermont	4	3	0	9	76
Virginia	20	5	0	466	995
Washington	51	26	2	606	1,156
West Virginia	9	6	0	147	476
Wisconsin	12	5	0	149	358
Wyoming	9	1	0	287	304
<b>TOTAL</b>	<b>1,000</b>	<b>499</b>	<b>55</b>	<b>18,340</b>	<b>30,273</b>

# State Support

Thirty-eight states appropriated a total of \$1,823,572 in support of Civil Air Patrol wings for FY 80. This local support is needed and greatly appreciated.

WING	AMOUNT						
Alabama	\$ 31,500	Hawaii	100,000	Nevada	\$ 30,000	South Carolina	83,553
Alaska	332,900	Illinois	102,500	New Hampshire	22,896	South Dakota	19,500
Arizona	55,000	Kansas	4,000	New Mexico	43,000	Tennessee	40,018
Arkansas	51,675	Kentucky	15,000	New York	75,000	Utah	18,341
California	100,000	Louisiana	52,255	North Carolina	66,000	Vermont	5,000
Colorado	60,563	Maine	5,000	North Dakota	34,871	Virginia	30,000
Connecticut	10,000	Michigan	50,000	Oklahoma	25,000	Washington	25,000
Florida	50,000	Minnesota	32,500	Pennsylvania	50,000	West Virginia	89,000
Georgia	25,000	Mississippi	20,000	Puerto Rico	30,000	Wyoming	2,500
		Nebraska	25,000	Rhode Island	11,000		

## TEN YEARS IN REVIEW

Year	No. Wings	Amount	Year	No. Wings	Amount
1970	29	\$ 861,123	1975	32	\$1,230,737
1971	29	823,868	1976	33	1,391,494
1972	31	889,295	1977	34	1,391,013
1973	33	1,088,078	1978	35	1,652,198
1974	33	1,094,566	1979	38	1,823,572

## National Executive Committee

Brig. Gen. Johnnie Boyd, CAP  
 Brig. Gen. Paul E. Gardner, USAF  
 Colonel Howard L. Brookfield, CAP  
 Brig. Gen. William C. Whelen, CAP  
 Colonel Harvey R. Klein, CAP  
 Colonel Edgar M. Bailey, CAP  
 Colonel A. Sidney Evans, CAP  
 Colonel Edward L. Palka, CAP  
 Colonel L. H. McCormack, CAP  
 Colonel William B. Cass, CAP  
 Colonel Sammie V. Pierce, CAP  
 Colonel Larry D. Miller, CAP  
 Colonel Bobbie J. Girard, CAP

### National Controller

Colonel Louisa S. Morse, CAP

National Commander  
 Executive Director  
 National Vice Commander  
 National Finance Officer  
 National Legal Officer  
 Northeast Region  
 Middle East Region  
 Great Lakes Region  
 Southeast Region  
 North Central Region  
 Southwest Region  
 Rocky Mountain Region  
 Pacific Region

### National Administrator

Gordon T. Weir

## CAP Wing Commanders

AL Col. Philip L. Tate, CAP  
 AK Col. Russell J. Anderson, CAP  
 AZ Col. Henry M. Rood, CAP  
 AR Col. David L. Guthridge, CAP  
 CA Col. Edwin W. Lewis, Jr., CAP  
 CO Col. Roger E. MacDonald, CAP  
 CT Col. Kenneth D. Faust, CAP  
 DE Col. Howard N. Pratt, CAP  
 FL Col. Richard L. Leali, Sr., CAP  
 GA Col. Philip T. McLendon, CAP  
 HI Col. John H. Felix, CAP  
 ID Col. Keith L. Lysinger, CAP  
 IL Col. Donald I. Reed, CAP  
 IN Col. Jack R. Hornbeck, CAP  
 IA Col. Donald M. Bailey, CAP  
 KS Lt. Col. Jerome L. Hanson, CAP  
 KY Col. Herman H. Bishop, CAP  
 LA Col. D. Peter Laguens, CAP  
 ME Col. Joseph R. Melrose, Jr., CAP  
 MD Col. Frank A. Kunkowski, CAP  
 MA Col. Renzo Giromini, CAP  
 MI Col. Robert J. Schatzel, CAP  
 MN Col. Russell E. Kruse, Sr., CAP  
 MS Lt. Col. Rodney I. Baker, CAP  
 MO Col. Nicholas J. Knutz, CAP  
 MT Col. Russell L. Sartain, CAP

NCAP Col. Alfred E. Morris, CAP  
 NE Lt. Col. William B. Woodruff, CAP  
 NV Col. W. Vernon Bolt, Jr., CAP  
 NH Col. Edward J. Tenney, II, CAP  
 NJ Lt. Col. George Bochenek, CAP  
 NM Lt. Col. Lloyd A. Sallee, CAP  
 NY Col. Roy I. Arroll, CAP  
 NC Col. Foy Reese, CAP  
 ND Col. Maurice E. Cook, CAP  
 OH Col. Marjorie J. Swain, CAP  
 OK Lt. Col. Charles W. Underwood, CAP  
 OR Col. Robert C. Shannon, CAP  
 PA Col. A. A. Milano, CAP  
 PR Col. Hector Aponte-Pagan, CAP  
 RI Col. Raymond G. Berger, CAP  
 SC Col. George O. Compton, CAP  
 SD Col. Harold K. Lindsey, CAP  
 TN Col. William C. Tallent, CAP  
 TX Lt. Col. Ronald N. Raney, CAP  
 UT Col. Virginia E. Smith, CAP  
 VT Col. James D. Rowell, CAP  
 VA Col. Reed S. Vaughan, Jr., CAP  
 WA Col. Theodore A. Tax, CAP  
 WV Col. Pearl A. Ward, CAP  
 WI Col. Leonard R. Wasyluk, CAP  
 WY Col. Leah L. Sampson, CAP

# Financial Statement

## TOM SMITH & ASSOCIATES

CERTIFIED PUBLIC ACCOUNTANTS

The National Tax Association, Inc. 20112

August 3, 1979

National Board of Civil Air Patrol  
Huntsville Air Force Base, Alabama

### Opinion:

We have examined the balance sheets of the National Treasury of Civil Air Patrol as of June 30, 1979 and 1978, and the related statements of revenues and expenses, changes in fund balance, and changes in financial position for the years then ended. Our examinations were made in accordance with generally accepted auditing standards and, accordingly, included such tests of the accounting records and such other auditing procedures as we considered necessary in the circumstances.

In our opinion, the financial statements referred to above present fairly the financial position of the National Treasury of Civil Air Patrol as of June 30, 1979 and 1978, and the results of its operations and the changes in its financial position for the years then ended, in conformity with generally accepted accounting principles applied on a consistent basis.

*Tom Smith, Auditor*

## The National Treasury of Civil Air Patrol Notes to Financial Statements June 30, 1979 and 1978

### NOTE 1 — Summary of Significant Accounting Policies

The financial statements of The National Treasury of Civil Air Patrol have been prepared on the accrual basis. The significant accounting policies followed are described below to enhance the usefulness of the financial statements to the reader.

#### A. Basis of Reporting

The financial statements include the accounts of The National Treasury of Civil Air Patrol and do not include the accounts of the regions, wings, or the units below wing level.

#### B. Revenue Recognition

Civil Air Patrol is a nonprofit organization, deriving its revenue mainly from membership dues, contributions and assessments. The Corporation recognizes membership dues, members' contributions, and assessments for vehicle and aircraft insurance as income when received. Sales of educational materials, aircraft parts, and aircraft in the modernization program are recorded upon passage of title which generally coincides with physical delivery and acceptance.

#### C. Accounts and Notes Receivable

The Corporation charges uncollectible accounts to expense in the period they are considered uncollectible. No allowance for doubtful accounts receivable was considered necessary at June 30, 1979 and 1978.

#### D. Inventories

Educational materials and aircraft parts inventories are stated at the lower of cost (first-in, first-out) or market.

#### E. Depreciation Policies

Depreciation on all depreciable assets is computed by the straight-line method. The estimated useful life used to compute depreciation of machinery and equipment ranges from three (3) to ten (10) years.

#### F. Income Taxes

Civil Air Patrol is exempt from income taxes under the provisions of Internal Revenue Code Section 501(c) 3.

#### G. Reclassifications

To maintain comparability, the 1978 financial information has been reclassified where appropriate to conform with the financial statement presentation adopted in 1979.

## The National Treasury of Civil Air Patrol Balance Sheet

	June 30,	
	1979	1978
<b>ASSETS</b>		
Cash — Note 2A	\$ 39,636	\$ 139,096
Cash — Aircraft modernization program — Note 2B	246,982	—
Marketable securities at cost (market value \$105,750 for 1979 and \$164,540 for 1978)	171,883	227,544
Other investments — Note 2C	685,440	831,536
Accounts and notes receivable — Notes 3 and 5	170,246	225,910
Educational material and aircraft parts inventories — Notes 1D and 4	518,464	418,984
Prepaid expenses	36,642	31,315
Machinery and equipment, less accumulated depreciation of \$91,168 in 1979 and \$107,298 in 1978 — Note 1E	64,224	79,392
	<u>\$1,933,517</u>	<u>\$1,953,717</u>
<b>LIABILITIES AND FUND BALANCE</b>		
Notes payable — Note 5	\$ 29,792	\$ 46,445
Accounts payable	26,643	162,263
Accounts payable — Aircraft modernization program	30,144	—
Deposits and refunds due to members and units	39,331	51,943
Due to educational scholarship fund	—	147,215
Accrued payroll taxes	4,064	2,781
Unearned stock option premiums	—	2,183
Deferred finance revenue	23,435	35,155
	<u>153,409</u>	<u>447,985</u>
Fund Balance: Note 6		
Unrestricted		
Designated by the board for:		
Aircraft modernization program	216,838	
Communications modernization and compliance	119,000	
Budgeted operating expenses for ensuing year	904,000	
Senior member accidental death	37,000	
Undesignated	503,270	1,505,732
Total fund balance	<u>1,780,108</u>	<u>1,505,732</u>
	<u>\$1,933,517</u>	<u>\$1,953,717</u>

See accompanying notes to financial statements.

## The National Treasury of Civil Air Patrol Statement of Changes in Financial Position

	For the Years Ended June 30,	
	1979	1978
Cash, other investments, beginning of the period	\$ 970,572	\$ 799,018
Sources of funds		
From operations:		
Excess revenues over expenses	274,376	120,134
Add expenses not requiring outlay of funds:		
Depreciation	15,735	14,300
	<u>290,111</u>	<u>134,434</u>
Increase (decrease) in liabilities and deferred revenues:		
Notes payable	( 16,653)	( 33,178)
Accounts payable	( 105,476)	91,985
Deposits and refunds due to members and units	( 12,612)	( 5,215)
Due to educational scholarship fund	( 147,215)	30,492
Accrued payroll taxes	1,283	433
Unearned stock option premiums	( 2,183)	1,135
Deferred finance revenue	( 11,720)	1,125
Total resources of funds	<u>( 4,465)</u>	<u>221,211</u>
Uses of funds		
Additions to fixed assets (net)	567	21,191
Increase (decrease) in assets:		
Marketable securities	( 55,661)	( 50,745)
Accounts and notes receivable	( 55,664)	51,966
Inventories	99,480	35,357
Prepaid expenses	5,327	( 8,112)
Total uses of funds	<u>( 5,951)</u>	<u>49,657</u>
Increase (decrease) in funds:		
Cash	147,582	23,031
Other investments	( 146,096)	148,523
	<u>1,486</u>	<u>171,554</u>
Cash, other investments, end of the period	<u>\$ 972,058</u>	<u>\$ 970,572</u>

See accompanying notes to financial statements.

## The National Treasury of Civil Air Patrol Statement of Changes in Fund Balance

	For the Years Ended	
	June 30,	
	<u>1979</u>	<u>1978</u>
Balance at June 30, as previously reported	\$1,505,732	\$1,385,598
Excess of revenues over expenses for the year	<u>274,376</u>	<u>120,134</u>
Balance at June 30	<u>\$1,780,108</u>	<u>\$1,505,732</u>

See accompanying notes to financial statements.

## The National Treasury of Civil Air Patrol Statement of Revenues and Expenses

	For the Years Ended	
	June 30,	
	<u>1979</u>	<u>1978</u>
<b>REVENUES</b>		
Membership dues and members' contributions	\$ 628,123	\$ 560,827
Educational materials	572,891	544,714
Amarillo depot aircraft parts	527,029	369,500
Aircraft modernization program	1,071,243	909,391
Net investment income	82,262	47,106
National convention income	27,826	21,922
Assessment for vehicle and aircraft insurance	209,494	139,237
Other	21,357	17,053
Adjustment to National Scholarship Fund accrual — Note 7	<u>132,965</u>	<u>—</u>
	<u>3,273,190</u>	<u>2,609,750</u>
<b>EXPENSES</b>		
Cadet activities	148,086	160,816
Senior activities	62,169	59,031
CAP news	54,647	44,205
Public relations and publicity	10,613	10,242
Insurance	316,255	240,636
Machine rental	54,596	48,424
Regional, national commander and executive director	16,786	19,578
Administrative support	62,182	60,228
Contingency	5,695	13,340
Art and art supplies	4,906	4,152
Awards and citations	6,644	7,626
Equipment maintenance	3,879	6,472
Administrative finance	26,382	21,194
Protocol	237	654
Salaries	77,647	71,776
Business member	1,775	41
Educational materials	472,019	431,691
Amarillo depot aircraft parts and general operations	438,174	344,597
Educational scholarships	—	30,493
Depreciation	12,265	11,549
Aircraft modernization program	1,165,329	879,858
Legal	1,223	—
CAP-AFJROTC program	21,200	—
National convention	30,202	19,958
Other	5,903	3,055
	<u>2,998,814</u>	<u>2,489,616</u>
Excess of revenues over expenses	<u>\$ 274,376</u>	<u>\$ 120,134</u>

See accompanying notes to financial statements.

## Financial Statement

## The National Treasury of Civil Air Patrol Notes to Financial Statements June 30, 1979, Cont'd

### NOTE 2 — Investments

#### A. Savings

Included in Cash at June 30, 1979 is a savings account which pays an annual interest of five and one-fourth percent (5.25%).

#### B. Cash — Aircraft Modernization Program

Cash, aircraft modernization program is a savings account bearing an annual interest of five and one-fourth percent (5.25%). This fund has been segregated for the specific purpose of the aircraft modernization program.

#### C. Other Investments

At June 30, 1979, other investments consists primarily of savings accounts, bonds, U.S. Treasury notes, other government notes and related interest receivable with annual interest ranging from five percent (5%) to ten and one-fourth percent (10.25%).

At June 30, 1978, other investments consists principally of saving accounts, certificates of deposit and U.S. Treasury notes with annual interest ranging from five percent (5%) to eight and one-fourth percent (8.25%).

### NOTE 3 — Notes Receivable

Notes receivable are due from Wings of the Corporation. All the notes are monthly installment notes maturing from January, 1982 to June, 1983. The following is a summary of notes receivable at June 30:

	1979	1978
Notes receivable	\$ 31,345	\$ 46,236
Less unearned interest	<u>4,989</u>	<u>8,850</u>
	<u>\$ 26,356</u>	<u>\$ 37,386</u>

### NOTE 4 — Inventories

Inventories at June 30, are detailed as follows:

	1979	1978
Educational materials	\$271,028	\$229,597
Aircraft parts	<u>247,436</u>	<u>189,387</u>
	<u>\$518,464</u>	<u>\$418,984</u>

### NOTE 5 — Notes Payable

Notes payable are monthly installment notes due to a bank. The annual percentage rate is 7.59% on all notes at June 30, 1979, and ranges from 4.25% to 7.79% at June 30, 1978. These notes are secured by accounts receivable from Wings of the Corporation under the Aircraft Acquisition program amounting to \$29,473 and \$53,101 for 1979 and 1978, respectively.

### NOTE 6 — Fund Balance

Fund balance represents the excess of The National Treasury of Civil Air Patrol's assets over liabilities. The balance arose from the excess of revenues over expenses accumulated through the years.

### NOTE 7 — National Scholarship Fund

In prior years, income was charged annually for funds to be transferred to the National Scholarship Trust. By resolution of the Board, this policy has been discontinued. Accordingly, the remaining balance in the liability account has been credited to income as of June 30, 1979.

# Recognition of Excellence

## UNIT RECOGNITION

**Squadron of Distinction.** The 111th Air Rescue and Recovery Cadet Squadron of the North Carolina Wing was selected as the Civil Air Patrol Squadron of Distinction based on a composite of the unit's accomplishments within Civil Air Patrol from 1 July 1978 through 30 June 1979 as well as favorable recognition by their wing and region commanders. The Squadron's Commander, Major Benjamin A. Griffin Jr., CAP received the F. Ward Reilly Leadership Award in recognition of his outstanding work with the squadron.

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

- (1) Palm Beach Cadet Squadron, Florida Wing.
- (2) Twin Pines Cadet Squadron, New Jersey Wing.
- (3) Burlington Composite Squadron, Vermont Wing.
- (4) Hillcomber Composite Squadron, California Wing.

**Number One Wing.** The Florida Wing commanded by Col Richard L. Leali was the top performing wing in the Wing Effectiveness Evaluation Program.

**Number Two Wing.** The Tennessee Wing commanded by Col William C. Tallent was first runner-up in the Wing Effectiveness Evaluation Program competition.

**Number Three Wing.** The Kentucky Wing commanded by Col Herman H. Bishop was second runner-up in Wing Effectiveness Evaluation Program standings.

**Most Improved Wing.** Alaska Wing commanded by Col Russell J. Anderson was recognized as the most improved wing based on progression in relative standings under the Wing Effectiveness Evaluation Program.

**Number One Region.** The Southeast Region was named top region based on the combined performance of assigned wings in the Wing Effectiveness Evaluation Program. The wings are: Alabama, Florida, Georgia, Mississippi, Puerto Rico, and Tennessee.



**Valor Award.** James M. Williamson of Delaware's Brandywine Cadet Squadron receives the CAP Silver Medal of Valor from CAP Executive Director Paul E. Gardner as CAP National Commander Thomas C. Casaday looks on. James was recognized for saving the life of a person trapped in a wrecked automobile. He ran through spilled gasoline to pull one victim to safety and went back through the burning gas, but was unable to reach others in the wreckage because of the heat and flames.

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

### Alabama

Charles H. Gables Jr., (No. 515), Southeast Region Headquarters, 133 Heritage Hills, Tuscaloosa, AL 35406

### California

Steven C. Stanton, (No. 504), John J. Montgomery Memorial Cadet Sq., 4382 Senter Rd., San Jose, CA 95111

James L. Wallis, (No. 529) Marin Composite Air Rescue Sq. 4, 121 Westward Drive, Corte Madera, CA 94925

### Florida

Jeremy Pearson, (No. 496), Cutler Cadet Sq., 9841 Dominican Drive, Miami, FL 33157

Carlos A. Puentas, (No. 505), Florida Int'l Cadet Sq., 3725 East 10th Avenue, Hialeah, FL 33013

### Illinois

John A. Maguire, (No. 511), Homewood-Flossmoor Composite Sq., 405 East White Street, Champaign, IL 61820

Michael B. Malis, (No. 512), Headquarters Support Sq., 5620 Plymouth Court, Downers Grove, IL 60515

Vaclav G. Ujeik, (No. 523), Cherokee Composite Sq., 970 Fischer Drive, Addison, IL 60101



**CAP Honor Roll.** William P. Barry, right, graduated highest in the order of merit among former CAP cadets in the Air Force Academy Class of 1979. In recognition of this achievement, William's name was added to the CAP 25-Year Honor Roll at the Academy by CAP Executive Director Paul E. Gardner. The former member of Massachusetts's Brockton Cadet Squadron is now a second lieutenant in jet pilot training at Williams AFB, Arizona.

## INDIVIDUAL RECOGNITION

**Cadet of the Year.** Cadet/Colonel Kenneth C. Wright, Oregon Wing.

**Senior Member of the Year.** Colonel Stanhope Lineberry, former Middle East Region Commander.

**Wing Commander of the Year.** Colonel Richard L. Leali, Florida Wing.

**Region Commander of the Year.** Colonel L. H. McCormack, Southeast Region.

## Brewer Aerospace Memorial Awards:

**Cadet Category.** Cadet/Colonel Steven C. Stanton, California Wing.

**Senior Category.** Captain Loretta E. Santogata, Rhode Island Wing.

**Individual Category.** Mr. Dwight Moser, Principal, Mills High School, Millbrae, California.

**Organization Category.** Pacific Southwest Airlines, Mr. Robert Damberger.

**Special Anniversary Award.** Dr. Paul E. Garber, Historian Emeritus, Smithsonian National Air and Space Museum.



**Indiana**

Michael J. Caylor, (No. 497), South Bend Composite Sq., 807 Grace Hall, Notre Dame, IN 46556  
George F. Williams, (No. 498), South Bend Composite Sq., 807 Grace Hall, Notre Dame, IN 46556

**Iowa**

Thomas J. Ackerman, (No. 499), Indianola Composite Sq., 1025 32nd Street, West Des Moines, IA 50265

**Kentucky**

Kenneth S. Bitsky, (No. 500), Louisville Composite Sq., 6912 Peppermill Lane, Louisville, KY 40228

**Louisiana**

Dwight D. Thibodeaux, (No. 528), Lafayette Composite Sq., 267 West Cherry Street, Opelousas, LA 70570

**Massachusetts**

Margaret Stock, (No. 513), Minuteman Composite Sq., 37 Linden Street, Needham, MA 02192

**Michigan**

Mike C. Arciero, (No. 521), Five Points Composite Sq., 18503 Delaware, Detroit, MI 48240  
Otis W. Brawley, (No. 537), Michigan Wing Headquarters, 4224 Burlingame, Detroit, MI 48204  
Alan P. Dickinson, (No. 524), Five Point Composite Sq., 19762 Olympia, Detroit, MI 48240  
Kay L. Lincoln, (No. 526), Lansing Cadet Sq. 15-1, 1921 Oneida Street, Okemos, MI 48864



**Airport Tour.** Angie Lee of Louisiana's East Bank Composite Squadron sits in Delta Airline flight simulator during tour of the New Orleans International Airport. Angie and other members of her unit were briefed on daily operations of the airline, FAA tower, weather station, and fire station.

Terry Hawes, (No. 534), Coatesville Composite Sq., 1008, P.O. Box 624, West Chester, PA 19380  
James L. Kraftchak, (No. 495), Coatesville Composite Sq. 1008, Rt. 2, Box 50, Creek Rd., Glenmore, PA 19343  
William C. Sneec, (No. 510), Coatesville Composite Sq. 1008, Rt. 1, Box 248, Coatesville, PA 19320  
Bryan L. Watson, (No. 532), Coatesville Composite Sq. 1008, 805 Hoopes Park Lane, West Chester, PA 19380

**Tennessee**

David S. Myers, (No. 502), Gresham Composite Sq. 3, Rt. 10, Berry Drive, Knoxville, TN 37920  
Thomas B. Wade, (No. 525), Shelby County Composite Sq. 2, 5081 Simsbury Cove, Memphis, TN 38118

**Utah**

David C. Chamberlin, (No. 530), Enterprise Cadet Sq., 234 1st Avenue #28, Salt Lake City, UT 84103

**Virginia**

Eric A. Boysen, (No. 522), Herndon Composite Sq., 9119 Cricklewood Court, Vienna, VA 22180  
Theodore E. Hartenstein, (No. 514), Montgomery Composite Sq., 705 Cedar View Drive SE, Blackburg, VA 24060

**Recruiting Drive.** A good public information program is the key factor in attracting new members. Once a prospective cadet becomes aware of the outstanding opportunities offered by Civil Air Patrol, recruiting is usually less difficult. Cadet members of the Michigan Wing Bay City Cadet Squadron operate a CAP information display in a busy shopping mall and thereby make contact with large numbers of potential members.



**Double Awards.** In a special ceremony in the office of Maj Gen Robert A. Rushworth, Vice Commander of the Aeronautical Systems Division at Wright-Patterson AFB, Ohio, Michael Caylor, left, and George Williams of Indiana's South Bend Composite Squadron were presented the General Carl A. Spaatz Award in recognition of their outstanding achievements as CAP cadets.

**Minnesota**

Brian P. Bristol, (No. 519), South St. Paul Composite Sq., 8537 Grosport Avenue South, Cottage Grove, MN 55016  
Paul H. Schmidt, (No. 517), North Star Cadet Sq., 1017 24th Avenue North, St. Cloud, MN 56301

**Montana**

Richard A. Payne, (No. 527), Kootenac Composite Sq., P.O. Box 381, Libby, MT 59923

**National Capital**

Thomas G. Shedd, (No. 508), Fairfax Composite Sq., 8220 South Cottage, Vienna, VA 22180

**New York**

William T. Moriarity, (No. 509), LTC R.S. Vankeuren Cadet Sq., 147 Valley View Drive, Syracuse, NY 13207  
James E. Nikodem, (No. 506), Ken-Ton Composite Sq., 407 Willow Street, Lockport, NY 14094  
Daniel R. Tomczak, (No. 535), Tak Composite Sq., 367 Roat Drive, Angola, NY 14006

**Oregon**

Mark E. Cantrell, (No. 531), Tualatin Composite Sq., 4435 South Mapleton, West Linn, OR 97068  
Clint A. Venekamp, (No. 536), Medford Composite Sq., 3014 Marigold Lane, Medford, OR 97501

**Pennsylvania**

Robert L. Atwell, (No. 533), Penn State University Composite Sq. 1303, 850 NW 173 Terrace, Miami, FL 33169

#### Washington

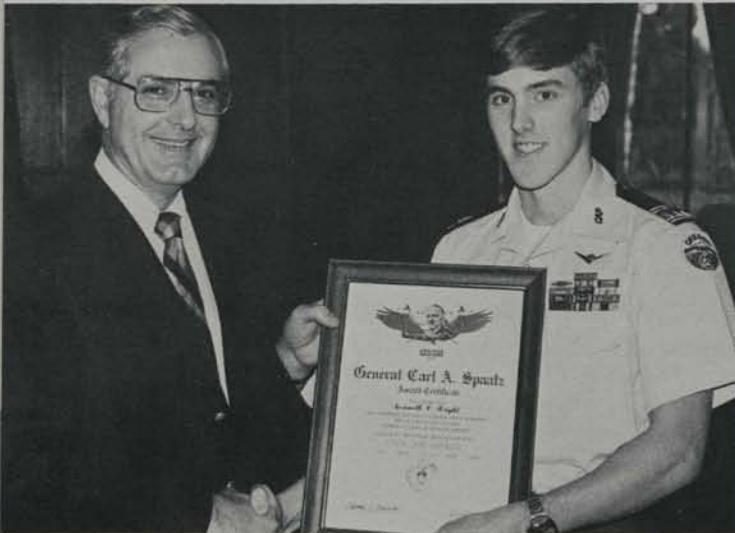
Dennis R. Brooke, (No. 520) Seattle Composite Sq., 1011 17th Street NE, Auburn, WA 98002  
Douglas J. Downey, (No. 510), Yakima Composite Sq., Rt. 3, Box 722, Yakima, WA 98901

#### Wisconsin

Kurt R. Wipperfurth, (No. 518), Baraboo Composite Sq., Rt. 1, Box 122, Merrimac, WI 53561

#### Puerto Rico

Alfonso Garcia, (No. 503), Isla Grande Composite Sq., Compo Bello #2, M. Rivera, Guaynabo, PR 00657  
Erich J. Haeussler, (No. 507), Bayamon H.S. Cadet Sq. 4, Pontevedra Street, P-5 Villa Espana, Bayamon, PR 00619  
Ruben Mendez, (No. 516), Isla Grande Composite Sq., Res Oller 1st, A-9, Bayamon, PR 00619



**Top Award.** Kenneth Wright has attained the highest level of achievement in the CAP Cadet Program as signified by the General Carl A. Spaatz Award presented by Victor Atiyeh, Governor of Oregon, at the State Capital in Salem. Kenneth is a member of the Lane County Composite Squadron. (Photo by Tom Traver)

**Scholarship Winners:** Civil Air Patrol scholarships amounting to \$20,500 for academic year 1979-1980 were awarded to 41 of Civil Air Patrol's outstanding young men and women who are attending colleges and vocational-technical schools throughout the nation.

#### Alabama

Thurman Robertson, 1068 Martinwood Lane, Birmingham 35235 (University of Alabama)

#### Arizona

Robert L. Gannon, 7315 E. Latham St., Scottsdale 85257 (Northern Arizona State University)

#### California

Gregory H. Bowman, 7120 Blue Hill Drive, San Jose 95129 (San Jose State University)  
Andrew K. Weaver, c/o Lambda Chi Alpha, 2421 Prospect St., Berkeley 94704 (University of California)

#### Colorado

Marianne M. Johnson, 390 S. Lee Street, Lakewood 80226 (Colorado State University)

#### Delaware

Christopher A. Coleman, 4635 Sylvanus Drive, Wilmington 19803 (Virginia Polytechnic Inst. & State University)  
Susan J. Liedlich, 97 Chaucer Drive, Newark 19713 (University of Delaware)  
John P. McGinty, 602 Smyrna Ave., Wilmington 19809 (Embry-Riddle Aeronautical University)

#### Florida

Monte E. Belote, 13 - 0111 Jennings Hall, Gainesville 32612 (University of Florida)  
Michael J. Caylor, 718 Spring Lake Drive, Destin 32541 (University of Notre Dame)  
George F. Williams, 227 Theresa Court, Ft. Walton Beach 32548 (University of Notre Dame)

#### Hawaii

Kenn N. Kojima, PO Box 696, Waimea, Kauai 96796 (University of Hawaii at Manoa)

#### Illinois

Joel Signorelli, 806 Kimberly Way, Lisle 60532 (University of Illinois)  
Robert J. Thomas, 1002 N. Elmhurst Road, Prospect Heights 60070 (Illinois Institute of Technology)  
Michael J. Wolfe, 6513 W. 60th St., Chicago 60638 (Rose-Hulman Inst. of Technology)  
James C. Zurales, 6436 W. 18th St., Berwyn 60402 (Embry-Riddle Aeronautical University)



**Falcon Award.** US Naval Academy Midshipman Richard Magner was presented the CAP Frank Borman Falcon Award by Academy Superintendent William P. Lawrence, right, with Maryland CAP Wing Commander Frank Kunkowski attending the ceremony.

**Top Achievers.** Eric Haeussler, left, of the Baymon High School Cadet Squadron and Alfonso Garcia of the Isla Grand Composite Squadron were presented the General Carl A. Spaatz Award by Puerto Rico Governor Carlos Romero-Barcelo. The Spaatz Award signifies attainment of the highest level of achievement in the CAP Cadet Program.



**Indiana**

Thomas J. Sutliff, 920 Spruce St., Hammond 46324 (Rose-Hulman Inst. of Technology)

**Louisiana**

Robert S. Binford, 2810 Eugene St., Bossier City 71112 (Texas A&M University)  
Dwight D. Thibodeaux, 267 W. Cherry St., Opelousas 70570 (Louisiana State University)

**Maryland**

Charles P. Roe, 3500 Silver Park Dr., Suitland 20023 (Marshall University)

**Michigan**

Otis W. Brawley, 4224 Burlingame, Detroit 48204 (University of Chicago)

**Minnesota**

Brian P. Bristol, 8537 Grospoint Ave., So., Cottage Grove 55016 (Rensselaer Polytechnic Inst.)  
Debra Dundas, 1405 Marsh St., Mankato 56001 (Mankato State University)

**Mississippi**

Pamela E. Peyman, Rt. 1, 307 Cambridge Road, Starkville 39759 (Vanderbilt University)

**Montana**

Vincent R. Bakke, 44 Marilyn Drive, Missoula 59805 (Montana State University)



**Black Sheep.** Don Fisher, a member of the famous World War II Marine Black Sheep Squadron was a well-received speaker at a meeting of the South Carolina Beaufort County Composite Squadron. Fisher is a member of the Beaufort City Council. (Photo by Ralph Newcomb)

**Nevada**

Eric G. Hood, 287 Abbay Way, Sparks 89431 (Massachusetts Inst. of Technology)

**New Hampshire**

Mary F. Gilmore, 103 Washington St., Rochester 93867 (New Hampshire College)

**New York**

David E. Berger, 267 Brevoort St., Kew Gardens 11415 (Cornell University)  
George S. Carradini, 61 Woodlawn Ave., Deer Park 11729 (University of Colorado at Boulder)  
Sharon Krohn, 2532 Clinton St., Bellmore 11710 (State University of NY at Farmingdale)

**North Carolina**

Robert A. Powell, 105 Perth Court, Cary 27511 (University of North Carolina-Chapel Hill)  
William C. Scheppegrell, 1343 Paddock Circle, Charlotte 28209 (University of North Carolina-Chapel Hill)

**Ohio**

Mark E. Pekar, 186 Goodview Ave., Akron 44305 (University of Akron)  
James M. Ruley, 4827 Ridgewood Rd., W., Springfield 45504 (Wright State University)

**Rhode Island**

Victoria G. Laidler, 3029 Diamond Hill Rd., Woonsocket 02895 (University of Rochester)

**Texas**

James S. Reynolds, 4616 Matador Trail, Amarillo 79109 (Texas Tech. University)

**Virginia**

Patricia L. Seim, 1911 Fordson Road, Richmond 23229 (Virginia Commonwealth University)

**Washington**

Greg T. Hader, 29020 124th SE, Auburn 98002 (Green River Community College)

**Wisconsin**

Michael J. Rekoske, 4303 No. 49th St., Milwaukee 53216 (University of Wisconsin-Madison)  
Robert G. Showers, 610 Hillyer St., Waupun 53963 (College of St. Thomas)  
Richard Wojciechowski, 3949 So. Lenox St., Milwaukee 53217 (Spartan School of Aeronautics)

**Gill Robb Wilson Award.** This is the highest award attainable in the Senior Member Training Program. In addition to acquisition of the Paul E. Garber award and 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 Air Force Base, Alabama. Gill Robb Wilson Awards were earned by the following Civil Air Patrol senior members during 1979:

**National Capital**

Harold Harris, 25001

**North Carolina**

Ruth J. Metcalf 32001

**Texas**

Franklin D. Battles 42096

**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:

- |                     |                        |
|---------------------|------------------------|
| Gill Robb Wilson*   | Lucas V. Beau          |
| Carl A. Spaatz*     | Edwin Lyons            |
| D. Harold Byrd      | Earle L. Johnson*      |
| William C. Whelen   | S. Hallock duPont, Jr. |
| Paul W. Turner*     | James E. Carter        |
| Lyle W. Castle      | William M. Patterson   |
| F. Ward Reilly*     | Zack T. Mosely         |
| Clara E. Livingston | Robert H. Herweh*      |
| Joseph S. Bergin    | Mervin K. Strickler    |

\*Deceased



**Outstanding Cadet.** Air Force Academy Cadet John D. Jogerst was recognized as the outstanding cadet in military training in the Academy graduating class of 1979. The Pittsburg, Pennsylvania, native was presented the Brigadier General Billy Mitchell Award trophy by Civil Air Patrol Executive Director Paul E. Gardner in a special ceremony at the Academy. The CAP sponsored award has been presented annually since 1959 in memory of General Mitchell. John graduated with a bachelor of science degree and a commission as a second lieutenant in the US Air Force.



**Earhart Award.** Brit White of South Carolina's Columbia Composite Squadron was presented the Amerlia Earhart Award by Floyd Spence, US Representative from South Carolina. The Earhart Award is the second major milestone marking progression through the CAP Cadet Program.

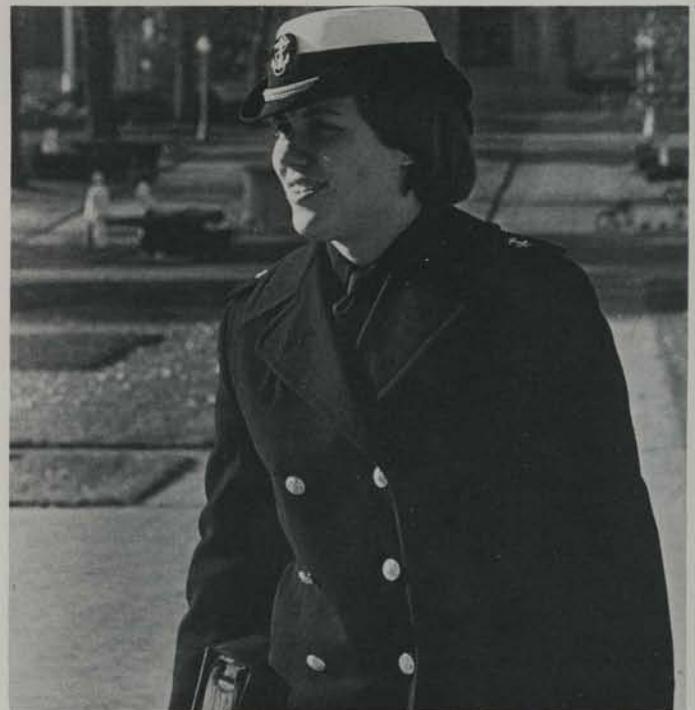
**Grover Loening Aerospace Award.** This award, given in the name of an aviation pioneer, was presented to the following forty-six CAP senior members during 1979:

<b>California</b>	<b>National Capital</b>	<b>Texas</b>
Marc E. Cohen, 04070 Beatrice P. Sparks, 04200 Fred P. Staedel, Jr., 04346	Thane L. Anderson, 25001 Miles Brooks, 25001 Ione B. Cook, 25001 James W. Reed, 25033 William A. Sturn, 25001	Franklin D. Battles, 42096
<b>Delaware</b>	<b>North Carolina</b>	<b>Virginia</b>
Lee A. Kimmel, 07011	Ruth J. Metcalf Larry G. Stewart, 32137 John E. Ferree, Jr., 32001	Robert D. Johnson, 45017 Wallace E. Lafferty, 45001 Maureen T. Lehman, 45001 Grady L. Pennington, 45001
<b>Florida</b>	<b>New Hampshire</b>	<b>Washington</b>
Walter G. Green, III, 08420 Francis E. Harlow, 08013 Paulette A. Mowbray, 08016	John H. Cook, 28001	James L. Crittendon, 46080 Dennis F. Green, 46080 Martin D. Heiz, 46001 Harry R. Houston, 46051 Richard A. Mullert, 46018 John E. Reagan, 46018 Robert L. Russell, 46001 Terri Russell, 46001 Theodore A. Tax, 46001
<b>Georgia</b>	<b>Oklahoma</b>	<b>West Virginia</b>
Richard A. Slowik, 09033	Gene D. Harper, 35023 Donald R. Williams, 35003	Kelmer L. Freed, 46040 Thomas R. Morris, 47013 John P. Ratcliff, 47001
<b>Illinois</b>	<b>Pennsylvania</b>	<b>Rocky Mountain Region</b>
Bernard J. Minardi, 11235	J. Western Baker, 37020 Barry R. Metz, 37080	Kathryn A. Holden, 97000
<b>Indiana</b>	<b>Rhode Island</b>	
Richard H. Beckman, 12186	Bradford E. Dufour, 38012 Gloria C. Nault, 38001	
<b>Massachusetts</b>	<b>Tennessee</b>	
Lewin E. Nyman, 19028	Calvin E. Davenport, 41001	
<b>Michigan</b>		
Lucille A. Price, 20190		

**Paul E. Garber Award.** This award, given in the name of an eminent aviation historian, was presented to eighty-one senior members in recognition of their efforts to further the cause of aerospace. Paul E. Garber Award recipients for 1979 were as follows:

<b>Alabama</b>	<b>California</b>	<b>Delaware</b>
Janice R. McGill, 01055 Catherine R. Musselman, 01095 Philip L. Tate, 01001	Keith F. Boyd, 0433 Byron L. Brammer, 04070 Edwin JE. Lewis, Jr., 04001 Fred A. Morris, 04168 Edward B. O'Coiffey, 04380 Hoyt M. H. Simmons, 04103	Harold G. Young, 07010
<b>Arizona</b>	<b>Colorado</b>	<b>Florida</b>
Ruth A. Bowman, 02050 Laura J. Markiewicz, 02106	Franklin H. Spitzer, 05030	Glenn M. pena, 08001
		<b>Georgia</b>
		Richard JA. Slowik, 09033

<b>Illinois</b>	Castello N. Robinson, 25001 William JA. Sturn, 25001 Sherman P. Tynes, 25017	Donald R. Goss, 41133 Jerry K. Sherrord, 41090
<b>Indiana</b>	George S. Bochenek, 29076 Charles A. Einholz, 29002	<b>Texas</b>
Richard H. Beckman, 12186 Louis H. Schwitzer, 12064	<b>New Jersey</b>	Franklin D. Battles, 42096 Paul C. Boss, 42096 Beauford W. Caldwell, 42001 Elsie E. Caldwell, 41001 Ben W. Davis, 42001 David L. Northcutt, 42001 Robert J. Peters, 42137 Elizabeth Tout, 42001
<b>Iowa</b>	<b>New York</b>	<b>Virginia</b>
Arthur W. Long, 13002	William A. Eckhoff, 31001	Floyd B. Callihan, 45001 Robert D. Johnson, 45017 Patricia B. Kennedy, 45001 Maureen T. Lehman, 45001 Raymond H. Vaughan, Jr., 45001 Reed S. Vaughan, Jr., 45001 Dorothy K. Wharton, 45001
<b>Kansas</b>	<b>Ohio</b>	<b>Washington</b>
G. Richardson Tomlinson, 14001	Lewis M. Ashbrook, 34001	Eleanor P. Baker, 46001 F. David Lambert, 46001 Evelyn O. Lundstrom, 46001 Lon H. Miller, 46001
<b>Louisiana</b>	<b>Oregon</b>	<b>West Virginia</b>
Philip K. Kircus, 16001 Peter G. Marvin, 16010 Fernand G. Webber, Jr., 16063 Carole V. Whitesell, 16010 Walter E. Whitesell, 16010	Maxine M. Quimby, 36073	James M. Hazelrigg, 47001 Melvin E. Hollar, 47020
<b>Maryland</b>	<b>Pennsylvania</b>	<b>National Headquarters</b>
Phillip E. Cvach, 18031 James E. Diggs, 18021 Richard E. Hoerner, 18021 Michael P. Miller, 18001	George R. Erb, 37189 Frederick C. Friess, 37049 Charles Hair, 37050 Harlie H. Masters, 37106 Barry R. Metz, 37080 Margaret Racz, 37050	Thomas C. Casady, 99000
<b>Massachusetts</b>	<b>Puerto Rico</b>	<b>Southeast Region</b>
Concetta Ekstrom, 19001	Herman C. P. Hansen, 52004	Donald JA. Maxfield
<b>Michigan</b>	<b>Rhode Island</b>	
Robert W. Paulson, 20001	Anthony F. Grogan, 38001 Ruth E. Grogan, 38001 Gloria C. Nault, 38001	
<b>National Capital</b>	<b>South Carolina</b>	
Miles T. Brooks, 25001 Earlene Butler, 25001 Vernon J. Miller, 25001	John D. Mellert, 39001	
	<b>Tennessee</b>	
	Robert C. Dunn, 41094	



**Naval Academy.** Former CAP cadet Lynn Thomas from Utica, Michigan, is now a freshman at the US Naval Academy, and a member of the newly formed US Naval Academy CAP Senior Squadron. Lynn feels that her training and experience in the Utica-Sterling CAP Cadet Squadron made her transition to life at the Academy much less difficult than it would otherwise have been. (US Naval Academy Photo by Wayne McCrea)

**CADET ENCAMPMENT  
AIR TRAINING COMMAND FAMILIARIZATION COURSE  
COLUMBUS AIR FORCE BASE, MISSISSIPPI**

Columbus Air Force Base, Mississippi is one of several Air Training Command Undergraduate Pilot Training bases that annually hosts an Air Training Command Familiarization Course for Civil Air Patrol cadets. The week-long program at Columbus was conducted by USAF personnel of the 14th Flying Training Wing. The unit which is commanded by Colonel Winfield S. Harpe and equipped with the twin-jet T-37 and the T-38 Talon hosted the course which is designed to stimulate CAP cadet interest in the Air Force as a career. The program provided briefings on the mission and operation of the wing; tours of the control tower, flight line, and the various

maintenance shops; and search and rescue indoctrination.

Columbus AFB was also the host for the Mississippi Wing Cadet Encampment conducted during June. Each year several thousand cadets attend encampments on Air Force Bases and at other military service facilities throughout the United States and Puerto Rico. The program gives cadets a first-hand look at the military lifestyle and provides practical experience and information on military career opportunities. Attendance at an encampment is prerequisite to earning the General Billy Mitchell Award. The Mitchell Award qualifies cadets for participation in

more advanced special activities and for the grade of Airman First Class (E-3) should he or she later decide to enlist in the Air Force.

In addition to supporting the ATC Familiarization Course and the cadet encampment, Columbus AFB is also host for the on-base Tombigbee Composite Squadron. Civil Air Patrol is deeply grateful to Columbus AFB Commander Colonel George R. Billington along with all commanders and personnel of Department of Defense installations throughout the country who so generously supported on-base units, a variety of special activities, and the vital encampment program during 1979.

(Photos by Ken Kennedy)





**Command Visit.** CAP National Vice Commander Johnnie Boyd, right, visited the Washington Wing Challenger Encampment at the wing training site on the Olympic Peninsula near Shelton, Washington as part of his familiarization travel to CAP activities throughout the country. Colonel Boyd was elected National Commander of Civil Air Patrol and assumed the CAP grade of Brigadier General at the 28-29 September 1979 meeting of the CAP National Board. General Boyd is a 36 year veteran of Civil Air Patrol, having joined as a cadet in 1943. Others from right: Major Gary Pavlu, USAF-CAP Washington Wing Liaison Officer; Lt. Col. Ted Tax, CAP Washington Wing Commander; Brigadier General Paul E. Gardner, Commander CAP-USAF; Lt. Col. Ray Zambiasi, past CAP-USAF Director of Cadet Programs; and Lt. Col. Red Young, Commander of the CAP Challenger Encampment.



**Virginia Veterans.** West Virginia CAP Wing Commander Pearl White Ward learned to fly in 1930 and was a professional parachutist and exhibition jumper during the heyday of barnstorming. U.S. Senator Jennings Randolph of West Virginia was elected to the U.S. House of Representatives in 1932 and served until elected to the U.S. Senate in 1958 where he has served since. The model of the Wright Flyer is representative of their mutual interest in aviation and strong support of Civil Air Patrol.

Prepared by The Office of Plans and Programs  
National Headquarters Civil Air Patrol  
Maxwell AFB, AL 36112

**CADET OFFICERS' SCHOOL  
MAXWELL AIR FORCE BASE, ALABAMA**

The annual Civil Air Patrol Cadet Officers' School conducted at Maxwell Air Force Base during July was attended by 128 specially selected cadets from 39 CAP wings. The purpose of the eight-day course was to provide cadet students with the knowledge and experience on which they can build and apply their leadership skills. The school curriculum is designed to educate in the psychological theory of leadership and its applications, to broaden communicative abilities, and to challenge individuals with problems, both in the classroom and in the field.

Air Force Reserve Officers called to active duty, especially for this purpose, served as

seminar leaders for the Cadet Officers' School. Seminars covered such subjects as Creative Thinking, Learning Techniques, Reading and Writing Improvement, Group Dynamics, and Management and Leadership. A primary objective of the school was to provide guidance and experience in leading and participating in groups. Therefore, each cadet was required to give a two minute impromptu speech and a planned five minute speech, each of which were critiqued by other members of the study group.

One hour was set aside each afternoon for volleyball and baseball, and Independence Day was celebrated with a

picnic and fireworks. The July 7 graduation ceremony was highlighted by trophy presentations to winners of the various competitions. Paul Broadmeadow of Pawtucket, Rhode Island, was winner of the essay contest, and Gregory Hiehle of Findlay, Ohio, won the speaking contest. Pamela Landreth of Winston Salem, North Carolina, was selected as the Outstanding Cadet of the activity. Her trophy was presented by Lt Gen Stanley M. Umstead, Jr., himself a former Civil Air Patrol cadet, who assumed command of Air University on 2 July and participated in the Cadet Officers' School graduation as one of his first official duties. (Photos by Ken Kennedy)



### WASHINGTON WING CHALLENGER ENCAMPMENT

National Emergency Assistance Training is a nationally authorized activity for CAP cadets provided through locally developed and conducted programs. An objective of the program is to provide schools for standardized training in ground search and rescue and emergency services operations for CAP cadets. The Challenger Program developed and conducted by the CAP Washington Wing is an excellent example of this activity.

The Washington program includes both summer and winter Challenger Encampments conducted at the wing training site on the Olympic Peninsula near Shelton, Washington. The week-long program is open to both male and female

cadets from the six wings within the CAP Pacific Region. Canadian cadets are also invited to attend in the event the school capacity of 60 students is not met. Three Canadian cadets attended the course in 1979.

CAP Lt Col Charles "Red" Young has been a leader and innovator in CAP Emergency Services Training for the past 25 years. That involvement along with Colonel Young's deep commitment to helping young people was the combination that evolved into the present-day Challenger Program. The activity, which is basically a motivational and confidence building program, has been conducted twice annually for the past six years. The

following is quoted from a note from Anita Lee Baker, a Washington Wing cadet who is now a cadet at the United States Military Academy:

*"Colonel Young: You have been my source of inspiration for the past five years. You were the one who instilled in me an intense sense of patriotism that made me strive to come here. You challenged me and I grew with every experience we shared together. I've always admired you for your American pride. Last May, you said that I was your seventh daughter doing what your son could never do. Well, to me, you are my father that has made me work hard for what I am, and I am proud of you."*

(Photos by Ken Kennedy)

