

Civil Air Patrol



ANNUAL REPORT TO CONGRESS

FOR YEAR ENDING 31 DECEMBER 1990



Concurrent Sessions provided instruction and hands-on experience for educators, business and industry leaders, and CAP members at the 23rd National Congress on Aviation and Space Education, 22-24 Mar 90, in Reno/Sparks, Nevada.

Cover Photo: Cadets await the signal from Lt Col James W. Wade, USAFR, to begin the 1 Mile Run during the National Cadet Competition. A 16-member team from each of the eight regions compete annually in aerospace knowledge, physical fitness, and precision drill.



**NATIONAL
HEADQUARTERS
CIVIL AIR PATROL**

—USAF AUXILIARY—
Maxwell Air Force Base, Alabama 36112-5572



TO THE CONGRESS OF THE UNITED STATES

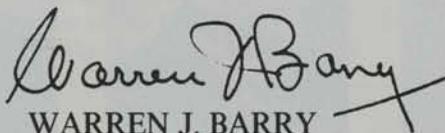
The following report is a summary of the accomplishments and activities of Civil Air Patrol during CY90. The report is submitted as required by Public Law 79-476.

Civil Air Patrol was established 1 December 1941, by executive order of the Director of Civilian Defense as an emergency measure to make civilian aviation resources available to the national defense effort. Civil Air Patrol functioned under the Office of Civilian Defense, until April 1943, at which time the Army Air Forces was assigned jurisdiction for the remainder of the war years.

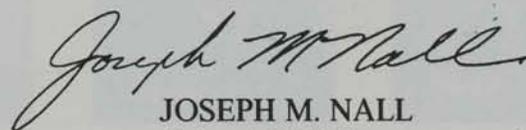
Following its wartime service, Civil Air Patrol was chartered by Congress on 1 July 1946, as a volunteer, nonprofit corporation under Public Law 79-476. On 26 May 1948, Congress passed Public Law 80-557 granting Civil Air Patrol status as the civilian auxiliary of the United States Air Force.

The Civil Air Patrol has continued its creditable record of public service for CY90. This report highlights accomplishments in emergency services assistance to people in distress, the further development in aerospace education for Civil Air Patrol members and the general public, and leadership development training for Civil Air Patrol cadet and senior members.

The overall accomplishments of Civil Air Patrol during CY90 were made possible by the dedication of the Civil Air Patrol volunteers and the continued support of the Congress of the United States and the United States Air Force. It is a privilege to present this report of the Civil Air Patrol accomplishments and activities during CY90.



WARREN J. BARRY
Brigadier General, CAP
National Commander



JOSEPH M. NALL
Colonel, USAF
Executive Director

NATIONAL BOARD

The National Board is the principal governing body of the Civil Air Patrol. The Board meets at least once annually at the call of the National Commander, who presides as chairman. The Board is comprised of the following members (As of 31 December 1990):

CIVIL AIR PATROL NATIONAL BOARD MEMBERS

National Commander
Executive Director
National Vice Commander
National Finance Officer

National Legal Officer
The 8 Region Commanders
The 52 Wing Commanders



NATIONAL COMMANDER
Brig Gen Warren J. Barry
CAP



NATIONAL VICE COMMANDER
Col Richard L. Anderson
CAP



EXECUTIVE DIRECTOR
Col Joseph M. Nall
USAF



NATIONAL FINANCE OFFICER
Brig Gen Johnnie Boyd
CAP



NATIONAL LEGAL OFFICER
Col Maurice E. Cook
CAP



**COMMANDER
NORTHEAST REGION**
Col David J. Braun
(Maine)



**COMMANDER
MIDDLE EAST REGION**
Col David R. Ellsworth
(North Carolina)



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



**COMMANDER
SOUTHEAST REGION**
Col William C. Tallent
(Tennessee)



**COMMANDER
NORTH CENTRAL REGION**
Col Nicholas J. Knutz
(Missouri)



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



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



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

WING COMMANDERS

NORTHEAST REGION

CONNECTICUT:	Col Howard E. Palmer
MAINE:	Col Robert J. Bender, Sr.
MASSACHUSETTS:	Col Edward A. Raymond
NEW HAMPSHIRE:	Col Dale V. Hardy
NEW JERSEY:	Col Fredrick G. Camenzind
NEW YORK:	Col Herman H. Botie
PENNSYLVANIA:	Col Larry Kaufman
RHODE ISLAND:	Col James D. Berry
VERMONT:	Col Esther Abrams

NORTH CENTRAL REGION

IOWA:	Col Ramona J. Shaver
KANSAS:	Col Patricia A. Lane
MINNESOTA:	Col Dennis A. Rock
MISSOURI:	Lt Col Ken G. Rodermund
NEBRASKA:	Col Steven W. Kuddes
NORTH DAKOTA:	Col Wynola Thornton-Eide
SOUTH DAKOTA:	Col Alden L. House

MIDDLE EAST REGION

DELAWARE:	Col David C. Driscall
MARYLAND:	Col Clifford A. Parks
NATIONAL CAPITAL:	Col Costello N. Robinson
NORTH CAROLINA:	Col Dwight H. Wheless
SOUTH CAROLINA:	Col William E. Hobson
VIRGINIA:	Col William M. Jackson, Jr.
WEST VIRGINIA:	Col William M. Nimmo

SOUTHWEST REGION

ARIZONA:	Col Gilbert H. Day
ARKANSAS:	Col A. G. Melson
LOUISIANA:	Col Wallace P. Ansardi
NEW MEXICO:	Col Robert B. Haulenbeek, Jr.
OKLAHOMA:	Col S. T. Ayers
TEXAS:	Col George H. Parker

GREAT LAKES REGION

ILLINOIS:	Col Lawrence F. Lis
INDIANA:	Col Paul M. Bergman
KENTUCKY:	Col William K. Hughes
MICHIGAN:	Col Robert V. Payton
OHIO:	Col Leslie S. Bryant
WISCONSIN:	Col David H. Spenner

ROCKY MOUNTAIN REGION

COLORADO:	Col James C. Bobick
IDAHO:	Lt Col Glen R. Peterson
MONTANA:	Col Glyndon V. Scott
UTAH:	Lt Col Craig L. Thomas
WYOMING:	Col Darlene G. Gilmore

SOUTHEAST REGION

ALABAMA:	Col Glen D. Atwell
FLORIDA:	Col Donald Cunningham, Jr.
GEORGIA:	Col Larry R. Davidson
MISSISSIPPI:	Col Therrell D. Fortune
PUERTO RICO:	Col John J. Gonzalez
TENNESSEE:	Col Dennis O. Sparks

PACIFIC REGION

ALASKA:	Col Larry F. Grindrood
CALIFORNIA:	Col Ernest C. Pearson
HAWAII:	Col John A. Parrish, Jr.
NEVADA:	Col Robert M. Roser
OREGON:	Col Phillip S. Groshong
WASHINGTON:	Col William H. Hamilton

NATIONAL EXECUTIVE COMMITTEE (NEC)

The National Executive Committee is the governing body when the National Board is not in session. The NEC meets at least three times annually and is comprised of the following members:

CIVIL AIR PATROL NATIONAL EXECUTIVE COMMITTEE MEMBERS

National Commander
Executive Director
National Vice Commander

National Finance Officer
National Legal Officer
The 8 Region Commanders

In addition to the National Board and the National Executive Committee, the CAP structure includes one other corporate officer who is not a member of the governing bodies. The National Administrator, Brig Gen Carl S. Miller, USAF (Ret), is a full-time CAP employee who performs duties as assigned by the National Executive Committee and National Commander.

CIVIL AIR PATROL

MEMBERSHIP

	As of 31 Dec 89	As of 31 Dec 90
Cadet	27,188	23,780
Senior	40,151	36,486
Total Members	67,339	60,266

ORGANIZATIONAL UNITS

Regions	8	8
Wings	52	52
Groups	188	176
Senior Squadrons	278	265
Cadet Squadrons	311	297
Composite Squadrons	942	920
Flights	109	123
Total Units	1,888	1,841

CIVIL AIR PATROL REGIONS and WINGS



SUPPORT FOR CIVIL AIR PATROL

CONGRESSIONAL SUPPORT

The basic congressional support for Civil Air Patrol was provided under Public Law 557 (Title 10 USC 9441), passed on 26 May 1948, and amended four times since. The statute did the following:

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

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

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

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

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



New Congressional Member: U.S. Congressman Dan Schaefer (R-Colorado), left, talks with Colorado Wing Commander, Col Jay Bobick, following recent ceremonies in Denver, in which the congressman was inducted into Civil Air Patrol's Congressional Squadron. Congressman Schaefer, during the event, expressed his support and admiration for all Civil Air Patrol, underscoring his esteem for the "fine young people," in the cadet ranks.



New Member: Ohio Wing Commander, Col Les Bryant, left, presents U.S. Senator John Glenn (D-Ohio), his Certificate of Membership in Civil Air Patrol's Congressional Squadron during recent ceremonies in the senator's Columbus, Ohio, office.

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

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



Preflight Inspection: Air Force Capt Glenn Ullman, left, and English Air Training Corps Cadet, Michael Jump, review a Cessna T-41 training manual prior to taking an orientation flight during the cadet's recent visit to the United States. British cadets, hosted by Colorado Wing, were welcomed at the Air Force Academy where they received orientation flights in the T-41, and toured campus facilities. British cadets were in Colorado as participants in the International Air Cadet Exchange program. (Photo by Lt Col Bill Madsen, Rocky Mountain Region historian)

f. Using appropriated funds to purchase light aircraft, vehicles, communications equipment, and other mission-related equipment, to renovate DOD excess aircraft and other mission equipment, and to furnish cadet uniforms.

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

AIR FORCE SUPPORT

Air Force support of Civil Air Patrol, authorized by the original CAP Supply Bill in 1948, continues to be of major importance to the organization. A primary element of that support was the establishment and manning of Air Force liaison offices at national, regional, and state levels of Civil Air Patrol. The interface of the Air Force liaison structure and Civil Air Patrol begins at the national level between Headquarters, CAP-USAF and National Headquarters, Civil Air Patrol. The bridge between the Air Force and Civil Air Patrol exists through the CAP-USAF commander who performs duties in a dual status. As a private citizen, the commander acts as the executive director of the Civil Air Patrol Corporation. The executive director is charged under the CAP Constitution and Bylaws with responsibility to administer the programs of Civil Air Patrol; authority includes issuing such rules, regulations, and other directives as approved by the National Board and the National Executive Committee for the conduct of the affairs of Civil Air Patrol.

All 263 Air Force employees assigned to Headquarters, CAP-USAF and the 8 region and 52 wing liaison offices are charged with supporting the Civil Air Patrol.

The full-time CAP-USAF staff is supported by Air Force Reserve personnel functioning through the CAP Reserve Assistance Program. Reservists provide advice and assistance in the conduct of CAP programs during inactive-duty training and on a limited number of temporary active-duty tours. In FY90, the 444 reservists assigned to the program served 4,250 man-days in support of Civil Air Patrol and spent 64,621 hours of nonpaid, points-only time providing advice and assistance.

Under the authorization of the 1984 congressional amendment to the CAP Supply Bill, the FY90 Appropriation Bill provided approximately \$3.7 million in Air Force funds for the purchase of equipment for Civil Air Patrol. This brought the cumulative allocation under that authorization to approximately \$20 million during the past five fiscal years. (When the one-time 1987 fiscal year appropriation of \$7 million in Air Force monies under the Anti-Drug Abuse Act of 1986 is included, the total allocated in support of Civil Air Patrol was approximately \$27 million during the past five fiscal years.) FY90 funds were spent to purchase 26 used, late-model, single-engine aircraft and to partially rehabilitate 350 aircraft currently in the CAP-owned fleet. The funds were also used to purchase 53 new vehicles through GSA and provide rehabilitation for other vehicles currently in the CAP-owned inventory. Remaining Air Force funds were used for the purchase 600 pieces of equipment to upgrade the CAP National Communications Network and to purchase 4,000 uniforms for CAP cadets.



Spaatz Award Winner: Air Force Lt Gen Peter T. Kempf, commander 12th Air Force, Bergstrom AFB, Texas, presents the Gen Carl A. Spaatz Award to Texas Wing Phantom Squadron's Cadet, Stephen Scott McIntosh. The award was presented during ceremonies in General Kempf's office recently. Cadet McIntosh is the son of retired Air Force Chaplain, Lt Col, and Mrs. Gene K. McIntosh, of Austin, TX.

STATE SUPPORT

Forty-one states and the commonwealth of Puerto Rico appropriated funds to provide material and financial assistance in the operations of their respective CAP wings during FY90 in the amounts shown below. These figures represent the value of the funds and property appropriated but do not necessarily reflect the amount ultimately received by the respective CAP wings. A total of \$2,900,469 was appropriated. This support is greatly appreciated and will be used by Civil Air Patrol to continue and expand its public service capability.

Tennessee	73,770
Utah	50,000
Vermont	12,000
Virginia	120,132
West Virginia	82,500
Wisconsin	19,000
Wyoming	7,597

WING	AMOUNT
Alabama	\$ 50,000
Alaska	420,000
Arizona	78,900
Arkansas	66,100
California	115,000
Colorado	95,169
Connecticut	40,000
Delaware	15,000
Georgia	42,000
Hawaii	190,600
Illinois	176,000
Kansas	19,971
Kentucky	15,000
Louisiana	75,000
Maine	25,000
Maryland	45,000
Massachusetts	16,675
Minnesota	65,000
Mississippi	20,000
Missouri	7,310
Nebraska	27,650
Nevada	85,000
New Hampshire	76,215
New Mexico	82,000
New York	45,000
North Carolina	159,970
North Dakota	42,452
Ohio	624
Oklahoma	18,500
Oregon	15,000
Pennsylvania	200,000
Puerto Rico	45,000
Rhode Island	42,200
South Carolina	89,425
South Dakota	28,709

TEN YEARS IN REVIEW

Year	No. Wings	Amount
1981	42	\$2,537,027
1982	42	2,622,223
1983	39	2,461,246
1984	44	2,768,215
1985	44	2,793,155
1986	44	2,871,788
1987	44	3,083,473
1988	43	4,205,358
1989	42	3,027,331
1990	42	2,900,469

CAP SUPPLY DEPOT

The Civil Air Patrol supply depot in Amarillo, Texas, is used to obtain, store, and ship aircraft parts to individual wings. The users of this service pay all handling and transportation charges. Spare parts are provided for the 531 CAP corporate-owned aircraft, consisting of 42 different makes and models. Parts used for the DOD excess aircraft are usually unavailable to CAP members for use on privately-owned aircraft; however, the depot does sell vendor-acquired spares to individual CAP members for use on their own aircraft.

DOD EXCESS PROPERTY

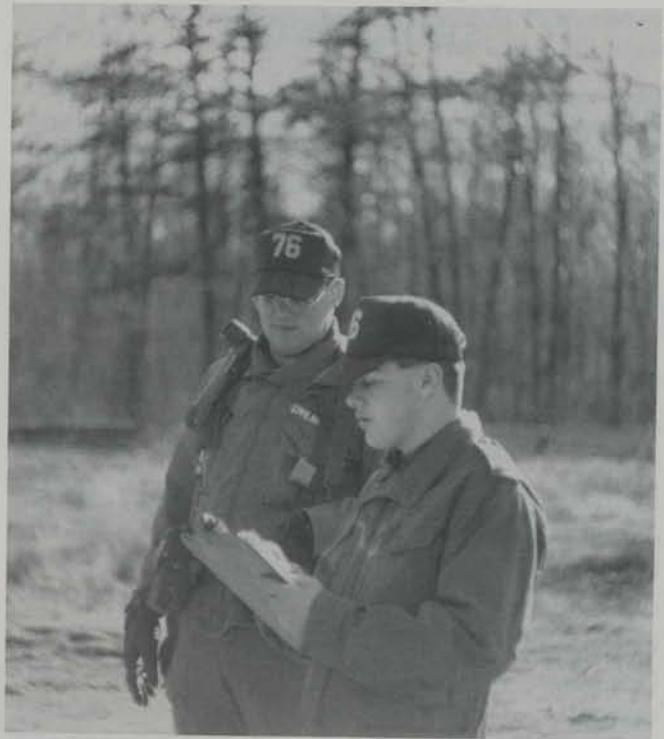
Civil Air Patrol is authorized by Public Law 557 to acquire equipment and supplies that are excess to the needs of DOD. Property acquired during CY90 included vehicles, communications equipment, office equipment, and other property with an original cost to DOD of \$2.1 million.

THE CADET PROGRAM

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

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

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



Weekend Bivouac: Cadet William Cordaro, front, Brockton Cadet Squadron, Massachusetts Wing, assists Bristol Composite Squadron Cadet John Borges during a compass reading course. Brockton Cadet Squadron hosted the weekend training exercise with Bristol Composite Squadron at Taunton Army in Taunton, MA.



Search and Rescue Demonstration: Cadets Travis Bertram, John Hancock, Matt Wickey and David Trauernicht, ground team members, prepare to evacuate an "injured" victim during a recent search and rescue technique demonstration, conducted by Golden Bear Composite Squadron, California Wing. The team is known locally as "Pacific Region's Best Ground Team."

installations where cadets see Air Force men and women serving their country. Many cadet activities take place at other DOD installations using Air Force, Army, or Navy personnel to teach and train these young people a particular skill or concept.

In the local squadron, cadets progress at their own pace through the structured program of 15 consecutive achievements, increasing in grade and experience as they accomplish each planned achievement level. During the program, cadets become eligible to participate in orientation flights, encampments, and a variety of national and international activities. Incentives and benefits include receipt of ribbons and awards, increased grade and responsibility, eligibility to compete for academic and flight scholarships, and upon the receipt of the Mitchell Award (completion of the first seven achievements), an advanced entry grade of E-3 when enlisting in the U.S. Air Force. This year 1,432 cadets earned the Mitchell Award through the Civil Air Patrol Cadet Program. The Earhart Award (Achievements 8-11) was awarded to 529 cadets for a program total of 5,821 Earhart awards. Completion of the Earhart is a requirement to attend the International Air Cadet Exchange Program. The toughest and most demanding award to achieve is the Spaatz Award. This year 67 cadets earned this coveted award for a program total of 1,038.

INTERNATIONAL AIR CADET EXCHANGE (IACE)

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

During CY90, 98 cadets and 17 senior escorts were exchanged with cadets from 12 other IACE Association member nations plus four Asian countries. Exchanges with Japan, Singapore, and Hong Kong are arranged and conducted bilaterally by Civil Air Patrol under similar rules and format and in conjunction with the regular IACE Program. During the 19-day exchange, sponsoring organizations in each country provide visiting cadets with a variety of activities such as tours of Air Force installations; visits to aerospace industries, airports and air traffic control facilities; orientation flights in gliders and powered aircraft; and sightseeing trips. Visiting cadets stay in the homes of host families to enhance understanding and cultural exchange.

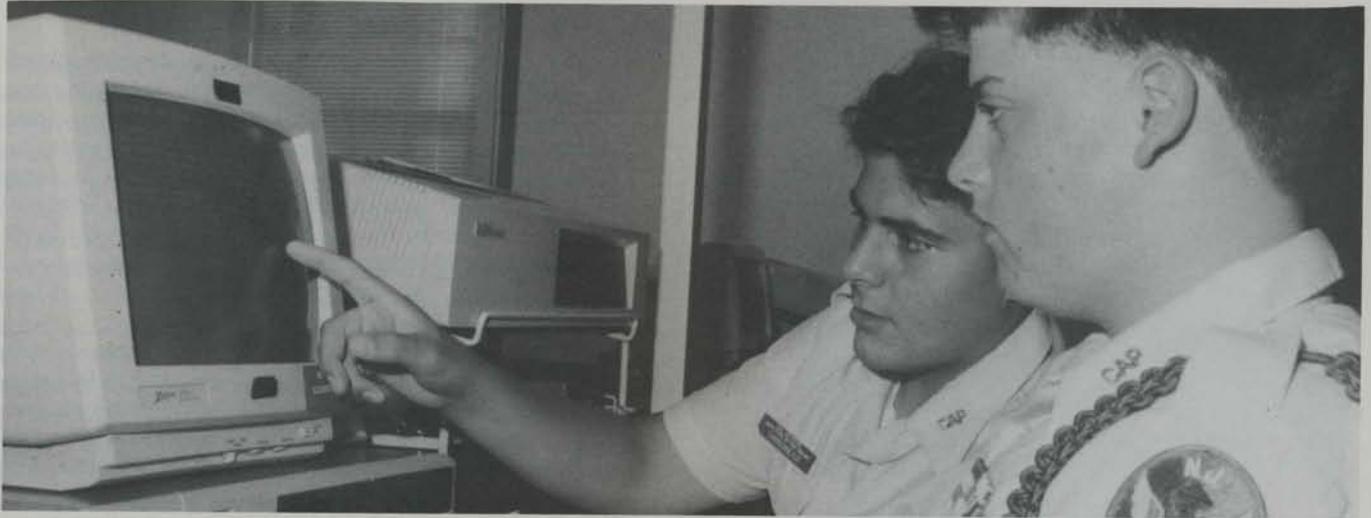
CADET SPECIAL ACTIVITIES

Cadets earn the right to participate in several nationally conducted special activities as they progress through the structured program. During CY90, a total of 511 cadets participated in these national special activities. The most competitive and prestigious activity was the International Air Cadet Exchange. The Cadet Officer School (COS) conducted at Gunter Air Force Base, Alabama, and taught by the Air University faculty was attended by 99 cadets from 37 CAP wings. The one-week program featured the development and application of basic leadership and management skills.

The Air Training Command Familiarization Course (ATCFC) hosted by the Air Training Command (ATC) at one undergraduate navigator and two undergraduate pilot training bases was attended by 74 cadets. The programs at Mather AFB, California; Columbus AFB, Mississippi; and Laughlin AFB, Texas, not only acquainted cadets with specific activities of ATC, but also stimulated cadet interest in the Air Force career opportunities. The Pararescue Orientation Courses (PJOC), basic and advanced, were conducted by the USAF Pararescue School to instruct the 149 cadet participants in the various techniques of rescue operations. This exceptionally popular



Gubernatorial Visit: As part of their recent visit to the United States, International Air Cadet Exchange participants from Sweden paid a visit to Connecticut Governor, William O'Neill. Swedish air cadets were hosted by Civil Air Patrol's Connecticut Wing.



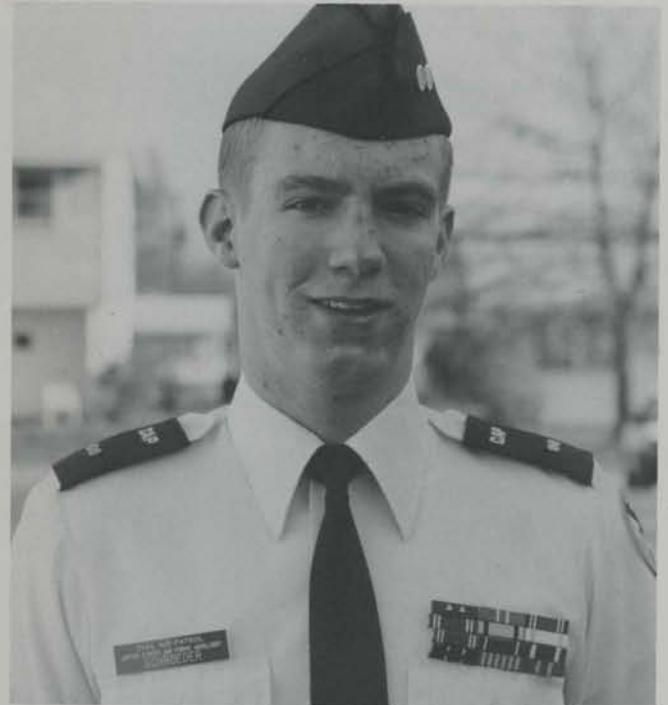
New Techniques: Cadets attending the recent Air Force Computer Orientation Program at Gunter Air Force Base, AL., had an opportunity to learn new techniques to use with computers. Here Cadet Chris Charbonneaux, Iowa Wing, left, points out items listed in an on-screen menu to Cadet John McNab, New Jersey Wing. (Photo by Air Force SSgt George Wendt)

1-week basic program is conducted at three sites: Kirtland AFB, New Mexico; Fort Knox, Kentucky; and George Washington National Forest, Virginia.

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

The Blue Beret Encampment, historically held at Wittman Field, Oshkosh, Wisconsin, in conjunction with the world-famous Experimental Aircraft Association (EAA) Airshow, was restructured and reorganized to reflect more accurately Civil Air Patrol's involvement and cooperation with EAA. In keeping with this new image, the CY90 summer encampment was designated CAP-EAA, Oshkosh. The 2-week encampment was attended by 57 cadets and 12 senior members. Of the 69 attendees, 18 cadets and 4 senior members were British. Prior to their participation in the CAP-EAA, Oshkosh Airshow, attendees received training in flightline operations, communications, aircraft traffic control, safety, drug operations review, and other related subjects.

The Air Force Computer Orientation Program (AFCOP) was conducted at Maxwell AFB, Alabama, with 17 cadets attending. The AFCOP curriculum includes basic programming language, history and design of computers, an orientation of computer uses within Civil Air Patrol and the USAF, and an emphasis on hands-on experience with a variety of computers. Instruction and course design were provided by personnel from the operating location of Air Training Command's Technical Training Center, Gunter AFB, Alabama.



Scholarship Award Winner: Cadet Lincoln Schroeder, Huntsville Composite Squadron, Alabama Wing, recently won an Alan L. Bean Space Academy Scholarship. Cadet Schroeder was named Huntsville's Most Outstanding Junior ROTC Cadet during a formal ceremony at Red Stone Arsenal, Marshall Space Flight Center, AL. Cadet Schroeder, a member of Butler High School's Air Force JROTC group staff, serves Huntsville Composite Squadron as cadet commander.

CADET ENCAMPMENTS

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

Attendance at an encampment is a significant aspect of the structured CAP Cadet Program. It is a prerequisite to the completion of the first 7 of the 15 achievement levels and attaining the General Billy Mitchell Award, the first major milestone of the Cadet Program. Cadets who earn the Mitchell Award become eligible for more advanced special activities and automatically earn the grade of airman first class (E-3) should they choose to enlist in the Air Force.

This year, 321 CAP cadets and 125 CAP senior members attended encampments at 6 Air Force installations and at 5 other Department of Defense facilities. Two additional encampments were conducted at non-DOD facilities.



Checking Flight Charts: Cadets, from left, Matt Biondo, Rob Latka, and Matt Gammon, New Jersey Wing, study area flight charts while attending a Civil Air Patrol Solo School. This school was hosted by New Jersey Wing at Naval Air Engineering Center, Lakehurst, NJ. (Photo by Kevein Sforza)



Interaction: From left, Cadets Damian Wakeman and Paul Campbell, Great Britain, discuss with Cadet Jason Nichols, similarities and differences in rules regarding cadet programs. Cadet Nichols wanted to know more about his British counterparts and thought that comparing rules might be a good way to learn. At this year's Civil Air Patrol EAA-Oshkosh Activity, American and British Cadets had several opportunities to interact.

FLIGHT TRAINING

Civil Air Patrol allocated \$34,162 in its FY90 budget to provide locally conducted solo flight training and orientation flights for cadets. Four thousand two hundred dollars was provided for 28 solo flight scholarships to cadets in the 52 CAP wings and overseas units, and \$29,962 was allocated to partially fund the orientation flight program conducted at the wing and unit level. Scholarships covered expenses of ground school and flight training leading to solo qualification.

CAP cadets may qualify for a series of five 30-minute orientation flights. During CY90, the 52 wings and overseas units provided 4,319 cadets their first flight experience, 5,413 cadets were provided flights number 2 and 3 in the ongoing 5-flight series.

SCHOLARSHIP PROGRAM

In CY90, the Civil Air Patrol, through its National Scholarship Program, provided a total of \$36,000 to 46 of its members to supplement their college or vocational-technical school education. This included the Casaday-Elmore Ministerial Scholarship of \$750. Scholarships were given for study in engineering, education, humanities, theology, and science. Recipients ranged from young persons interested in learning to be aircraft mechanics to those pursuing advanced degrees in aeronautical or aerospace engineering. Embry-Riddle provided an additional four \$1,000 scholarships to cadets attending their institution full time. In addition to the National Scholarship Program, many scholarships are provided by local and state level CAP units and outside organizations.

AEROSPACE EDUCATION

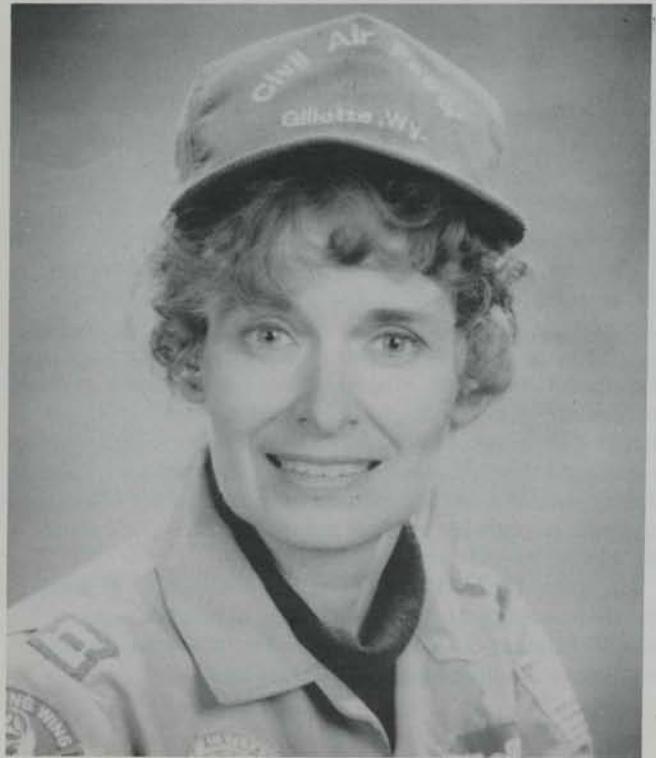
Challenging tomorrow's innovators to seek knowledge and experience to make contributions to mankind continued to be basic goals of Civil Air Patrol Aerospace Education during CY90. Such aspirations have long been the bedrock philosophy of Civil Air Patrol and will continue to be pursued in order to motivate educators and students across the nation. As new concepts and programs were implemented, the objectives of continuing to educate our membership and the American public were achieved.

NATIONAL CONGRESS ON AVIATION AND SPACE EDUCATION

A record-setting attendance of over 1,300 educators, business and industry leaders, and CAP members attended the 23rd National Congress on Aviation and Space Education (NCASE) in Reno/Sparks, Nevada, on 22-24 March 1990. Conducted annually, this event is cosponsored by the National Aeronautics and Space Administration (NASA), the Federal Aviation Administration (FAA), and Civil Air Patrol (CAP). Following its design to promote an understanding of aviation and space



Teaching Aid: Lt Col Ruth West shows Bob Smith her latest Aerospace Teaching Aid, a yardstick boomerang. Cadets at the two Pennsylvania Wing encampments this summer made this boomerang to see Cayley's Principle of Lift and Gyroscopic Precession in action. Smith is the USAF-CAP Northeast Liaison Region Director of Aerospace Education, McGuire AFB, NJ. He was responsible for getting Colonel West to use her teaching tools in Civil Air Patrol's Cadet Program. Colonel West recently published a text titled, "Why Does it Fly?" The text has 25 pages of single-concept illustrated text and 25 pages of models to make. Included are two boomerangs, a flying saucer, and the Barnaby Paper Airplane Teaching Axis of aircraft stability and flight controls.



Fellowship Award: Wyoming Wing's Capt Toni Brown is the Wyoming winner of the CY90 Christa McAuliffe Fellowship, a \$31,200 Federal award given in honor of the first teacher in space. Captain Brown teaches English and "gifted education" at Twin Spruce Junior High School in Gillette, Wyo.

education, the congress motivates and encourages teachers to incorporate aerospace education into their curricula. It is also designed to encourage leaders to speak out on the aerospace issues facing our nation today.

The 3-day congress opened with Presentation of Colors by a color guard from the Reno Composite Squadron, Reno, Nevada. Introductions were made by the Master of Ceremonies, Dr. Edgar B. Wycoff, professor of communication, School of Communication, University of Central Florida.

Addressing congress attendees were Lt Gen Donald J. Kutyna, USAF, Commander of the Air Force Space Command; Scott Carpenter, astronaut/aquonaut; Ted Carlson, advanced systems staff engineer with Lockheed; Col Francis "Gabby" Gabreski, USAF Retired, America's top living ace; Dr. Charles H. Story, professor, East Tennessee State University; Moya Olsen Lear; and Steve Ritchie, Vietnam ace.

More than 30 group meetings and seminar choices were conducted for all grade-level teachers. Other special interest groups also met during this time which included Federal Aviation Administration educators, Civil Air Patrol aerospace education officers, Air Force Reserve Officer Training Corps instructors, and representatives of the World Aerospace Education Organization, General Aviation Manufacturers Association, and National Association of State Aviation Officials.

These meetings, along with the opportunity to visit over 30 exhibits, provided a time for attendees to share experiences, techniques, and methods and to plan for the future.

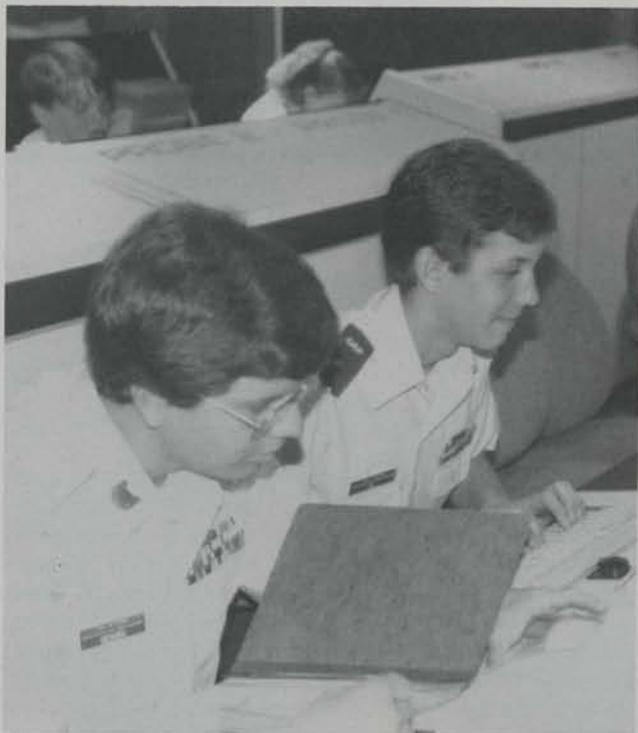
A unique Reception for Eagles afforded congress participants the opportunity to mingle with such notables as Steve Ritchie, Mary Feik, Moya Lear, Gabby Gabreski, Scott Crossfield, Chuck Yeager, and Scott Carpenter.

The congress also set the stage to honor outstanding achievements in aerospace education. The newest A. Scott Crossfield Aerospace Education Teacher of the Year was Ms. Barbara L. S. Koscak. Ms. Koscak, an elementary educator from Sterling Heights, Michigan, is the fifth educator to receive the prestigious award. Being duly recognized as the best aerospace education teacher in our nation, Ms. Koscak also accepted a Crown Circle Award.

The Crown Circle Award is presented annually to a select few for accomplishments in aerospace education. Earl G. Pingel, Wisconsin educator and CAP aerospace education activist; Gloria R. Shepard, FAA aviation education specialist; and Kenneth E. Wiggins, professor, Oklahoma State University, joined Ms. Koscak as they too received the coveted award for their leadership in aerospace education.



Teacher of the Year: Barbara Koscak, the CY90 Teacher of the Year, accepts her award from A. Scott Crossfield during ceremonies at the National Congress on Aviation and Space Education.



Mission Control: Cadets Eric Neikirk, left, and Jeffrey Dill, Hagerstown Composite Squadron, Maryland Wing, received information from the simulated mission control room at the Challenger Center, H. B. Owens Science Center in Greenbelt, MD. Cadets were part of a group that went to the center, which is dedicated to the Challenger astronauts, to attend a training session. During the session, cadets were tasked to work at several positions at mission control and aboard a simulated space shuttle in order to track Halley's Comet. (Photo by K. L. Emmons, Maryland Wing)

AEROSPACE EDUCATION WORKSHOPS

In cooperation with colleges, universities, and individual school systems, Civil Air Patrol supported 182 graduate-level aerospace education workshops in 37 states with over 5,000 educators attending. Supporting teacher training through workshops continues to be one of Civil Air Patrol's most important contributions to aerospace education.

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

AEROSPACE EDUCATION MATERIALS

In order to meet the evolving training needs of the Civil Air Patrol Aerospace Education Program, new materials were published and existing materials were revised. Revision was started on *Horizons Unlimited*, a basic textbook for CAP cadets and the nation's educational community. To enrich the aerospace history portion of the text, an interactive videotape was also initiated. The aerospace education materials slide presentation, Wright Brothers Learning Packet, and four elementary-level activity booklets were also revised.

EMERGENCY SERVICES

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

During CY90, Civil Air Patrol responded to disaster relief requests from Alabama, Mississippi, and Oklahoma. The Alabama Wing assisted during the Elba flood by providing an alternate means of communications through its high frequency (HF) and very high frequency (VHF) networks. The Mississippi and Oklahoma CAP Wings also provided airborne damage assessment, both visual and photographic. The Mississippi Wing's damage assessment mission surveyed a cut dam and associated flood damage. The Oklahoma Wing's effort was notable in that it provided real time video camera transmissions to state emergency management personnel.

Civil Air Patrol's disaster relief capability is improving through the use of airborne video camera operations. The majority of the work has been accomplished with member-owned equipment. Initially, the procedure was a simple matter of making a tape with consumer type video cameras and then flying the tapes to emergency management personnel. A few of the CAP wings then began to coordinate with amateur TV and Ham radio operators to obtain appropriate frequency band widths and develop power sources to make live or real-time video transmissions. The Alabama Wing demonstrated its video capability at the 1990 CAP National Board meeting. The Texas Wing is exploring various transmission techniques to compress the TV signal into a narrower band and operate solely within Civil Air Patrol's assigned frequency bands. Civil Air Patrol's overall damage assessment ability and service to the emergency management community will be greatly enhanced when more wings are able to come on line with video capability.

In CY90, Civil Air Patrol and the Salvation Army continued their agreement of mutual support. Civil Air Patrol assisted the American Red Cross' blood program and provided transportation for Red Cross use to collect and distribute blood. The California Wing, under the auspices of the state, entered into an agreement with the Northern California Transplant Bank to establish a CAP Live Organ Transport (CAPLOT) program whereby Civil Air Patrol provides air transportation between remote collection sites and donor banks for live tissue and



Relief for Flood Victims: Illinois Wing's Quad City Composite Squadron Cadets Christopher Taylor, center, and Sophia Eleftheropoulos, right, deliver food supplies to community volunteer Joanne Lammers at a local relief center. Violent weather left hundreds of residents homeless and thousands without electricity during flash floods which struck recently in Iowa and Illinois' Quad Cities. CAP members responded to the need for food supplies with their donations.

organs. The CAP was credited with 9 saves in CY90 and flew 31 additional life enhancing missions; transporting blood, live bone, hearts, livers, kidneys, and corneas.

COMMUNICATIONS

The communications mission of the Civil Air Patrol is to organize and maintain a reliable, nationwide, point-to-point, ground and air mobile radio capability for use during emergencies and for training communications personnel. CAP, with its dispersed units located nationwide, has established a comprehensive communications network consisting of over 18,000 fixed, ground and air mobile, search and rescue, emergency locator test, aeronautical, and fixed and mobile repeater stations licensed by the FCC.

During CY90, CAP continued to provide vital communications support to local, state, and federal agencies during disaster relief, search and rescue, and many other emergency situations. CAP communicators used state-of-the-art high frequency (HF) and very high frequency (VHF) radios and repeaters in supporting Air Force Rescue Coordination Center (AFRCC) search missions as well as interfacing with state Emergency Operations Centers (EOCs), the National Communications System (NCS), and other organizations and agencies. To enhance continued

reliability and improve its capability, CAP communications nets were activated daily through CAP's National Command Net. CAP regions activated nets to their respective wings, wings to groups and squadrons, and finally a VHF-FM broadcast to the most remote units to ensure positive communications coverage. In addition to the National Command Net, special networks are organized for specific purposes using the varied frequency authorizations on both HF and VHF, thus enabling CAP to operate many nets simultaneously without communications interference. This intensive communications coverage by the CAP communications system demonstrated its interface capability with other agencies to provide effective and cohesive nationwide communications support.

A primary CAP goal is to strengthen its communications capability by improving operational networks so commanders can more effectively communicate with higher level and subordinate commanders. To enhance this goal, the communications system upgrade continued with the purchase of additional modern technology equipment. In CY90, 52 Facsimile Machines, one per wing; 141 VHF/AM radios, for ground search teams to contact aircraft; and 1,836 VHF/FM radios, for general, short-range communications, were purchased and distributed to the wings. This equipment, operated and maintained by CAP communicators, dramatically improves the responsiveness of Civil Air Patrol to current and future mission situations, especially in the event of a national emergency.



Communications: Cadets Scott Anderson, left, and Tim Radcliffe, Butte Cadet Squadron, perform flightline communications during Air Force evaluated Search and Rescue Exercise held recently in conjunction with Montana Wing's Type A encampment. (Photo by Capt Nan Riddle, Montana Wing)



24-Hour Capability: Lt Col Pete Mann, Broken Arrow Composite Squadron, Oklahoma Wing, inspects a part prior to installing it in one of the squadron's aircraft. Colonel Mann also rebuilt four very high frequency mobile communication radios, installing them in the home of the squadron commander, vice commander, operations officer and deputy commander of cadets, giving the squadron 24-hour communications capability for emergency call-ups. Colonel Mann operates Oklahoma Wing's net and is an amateur radio operator, belonging to the American Airlines Amateur Radio Club, Amateur Radio Emergency Service, Tulsa Emergency Weather Watch and the Navy-Marine Corps MARS Traffic Service.

In the past year, CAP planned and initiated a "No-Notice" Wing Operational Effectiveness Exercise designed to evaluate all emergency services resources in a "real world" scenario, with emphasis on tactical communications support and mobility. In addition, CAP continued its support of the National Communications System's Shared Resources (SHARES) Program and gained valuable experience by participating in their exercises. SHARES is an NCS initiative to establish a national high frequency radio capability as a backup system for exchange of critical message traffic among Federal entities in support of National Security and Emergency Preparedness. Once again, CAP demonstrated an extensive capability to support such initiatives.

A CY91 CAP goal is to continue to improve productivity and efficiency within our communications system. The Civil Air Patrol is proud of its communicators whose commitment and enthusiasm to their assigned mission has greatly contributed to making CAP the best trained, proficient, and active body of volunteer communicators in the nation.

SEARCH AND RESCUE

The U.S. Air Force is assigned responsibility by the National Search and Rescue Plan for coordinating inland search and rescue operations in the Continental United States. As the civilian volunteer auxiliary of the Air Force, Civil Air Patrol has become the primary resource used by the Air Rescue Service to strengthen state search and rescue capability.

During CY90, Civil Air Patrol flew 12,718.6 hours on 2,475 Air Force assigned missions and was credited with locating 1,687 search objectives and saving 46 lives. Civil Air Patrol flew over 80 percent of the search hours on missions coordinated by the Air Force Rescue Coordination Center (AFRCC). CAP wings in coastal areas frequently assisted the U.S. Coast Guard in locating emergency positions indicating radio beacons on boats and ships.

The high rate of inadvertent activation of emergency locator transmitters (ELT) remained a major concern of Civil Air Patrol during CY90. Civil Air Patrol continued to work with the AFRCC in an effort to decrease the false ELT rate. CAP has continued to explore and work with other agencies toward more efficient and accurate methods of locating downed aircraft and thereby increase the chances of saving lives.

CIVIL PREPAREDNESS AND DOD SUPPORT

Civil preparedness is essential to the United States' deterrent posture. Accordingly, the Joint Chiefs of Staff are authorized to call upon the military services for resources needed to support civil preparedness. Civil Air Patrol, as the official Air Force auxiliary, is a valuable asset to the Air Force in assisting with this mission. CAP has worked with Federal Emergency Management Agency (FEMA), Federal Aviation Administration (FAA), U.S. Army Forces Command (FORSCOM), and various Army, Navy, Coast Guard, and other DOD agencies to develop plans for supporting civil and military noncombatant requirements. The Air Force has specifically addressed the Civil Air Patrol with a CAP Appendix in USAF Concept Plan 7045-90, Military Support to Civil Defense. CAP tasking in support of national agencies includes:

- Search and Rescue (SAR) for downed aircrews
- Damage assessment, visual and photographic

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



Hard at Work: Capt Ron Zimmerman, Goodyear Composite Squadron, Arizona Wing, plans a sortie during Arizona Wing's recent Air Force evaluated search and rescue exercise. The wing earned an Outstanding rating from Southwest Liaison Region Air Force evaluators. (Photo by Air Force A1C Brad Fallin)



Cadet Richard C. Parks, New Jersey Wing, pulled a woman to safety from her foundering vessel in rough seas. (Left)

Civil Air Patrol's "Bronze Medal of Valor"

Cadet Robert C. Lightcap, Jr., New Jersey Wing, saved a victim who was found in a burning automobile. (Right) (Photos by Maj Gregory F. Weidenfeld)



MILITARY TRAINING ROUTE SURVEYS

CAP helps assure the safety of Air Force aircrew members by providing aircraft to survey military low-level flight training routes for hazards and environmental factors. Established military training routes allow military pilots to practice low-level bomb, airdrop, and reconnaissance missions. The routes selected enable a realistic, yet safe mission to be flown with the least possible environmental impact. The FAA requires an aerial visual survey to be flown below 1,000 feet; once down the center and once along each side. During CY90, 58 training route survey missions were flown by CAP.

FLIGHT CLINICS

Civil Air Patrol promotes flight safety by sponsoring flight clinics to increase or maintain basic flight skills of CAP pilots. These clinics are sometimes held in association with the Federal Aviation Administration, Aircraft Owners and Pilots Association, or other flight safety organizations. The clinics include ground instruction in essential subjects such as flying safety, FAA regulations, emergency procedures, flight planning, and aviation weather. Participants also demonstrate safe aircraft piloting skills to an FAA-certified flight instructor or a qualified CAP check pilot. During CY90, a total of 1,499 CAP pilots participated in CAP flight clinics held throughout the country.



Getting the Feel of the Cockpit: Cadet Mark Wolgamott, Bay City Cadet Squadron, Michigan Wing, gets the feel of an MBB 106 twin-jet FlightCare Helicopter Ambulance while his fellow squadron cadets observe equipment aboard the aircraft. The helicopter and air crew landed at James Clements Airport near Bay City, MI, recently. Crew members explained FlightCare's mission and services to Civil Air Patrol members from the Bay City Cadet Squadron and Huron Shore Search and Rescue Senior Squadron, Michigan Wing. (Photo by 1st Lt Nicole Rytlewski, Bay City Cadet Squadron, Michigan Wing)



At the Controls: Cadets Cathy Ryan, left, and Amy Dawson, take turns at the controls of a "flight simulator" during Pennsylvania Wing's recent "Flying Camp Weekend."

COUNTERNARCOTICS (CN) MISSION

Civil Air Patrol's involvement in counternarcotics missions began 14 November 1985 with the U.S. Customs Service and has since expanded to encompass missions flown in support of Customs, Drug Enforcement Administration (DEA), the USDA Forest Service, and local law enforcement agencies. Prior to April 1990, CAP aircraft operating costs were paid by the Air Force with the user, U.S. Customs Service reimbursing the Air Force. The passage of a supplemental appropriations bill has allocated funds to support CAP counternarcotics missions and has made CAP services available to local law enforcement agencies for the first time.

Civil Air Patrol's role in CN efforts is generally restricted to aerial reconnaissance, data gathering, communication support, and airlift to law enforcement personnel. However, CAP has also simulated the flight patterns of drug runners to train Air National Guard (ANG), North American Air Defense and federal agency personnel. The majority of Civil Air Patrol's efforts have been concentrated in the southeastern and western areas of the United States, however, due to the increased demand of Civil Air Patrol's services, CAP has now expanded into all areas of the United States.

In CY90, Civil Air Patrol flew a total of 12,970 hours on all CN missions which included 9,847 hours in support of the U.S. Customs Service, 2,447 hours in support of DEA, 157 hours in support of USDA Forest Service, and 519 hours in support of other (local law enforcement and other government agencies) missions. Direct results of these missions include: discovery of over 155,000 marijuana plants, 3,066 vessels identified, 72 vessels intercepted, 1,093 unmarked airfields identified, 27 suspect airstrips located, and 52 photo reconnaissance missions flown. CAP members in all 52 wings have been trained to support the Customs Service missions, and an aggressive training program is qualifying CAP members for DEA missions nationwide.

MISSION SUMMARIES

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

MERCY MISSIONS

Utah. Dixie Medical Center requested the immediate transport of blood to aid in the treatment of a female in surgery. Utah CAP Wing dispatched an aircraft and transported the blood from Salt Lake City International Airport, Utah, to St. George Airport, Utah.

Nevada. Kingman Regional Medical Center requested the immediate transport of blood for two surgery patients. Nevada CAP Wing dispatched an aircraft and transported blood from North Las Vegas Airport, Nevada, to Kingman Airport, Arizona.

Colorado. Aspen Valley Hospital requested the immediate transport of blood for a 79 year old man who was in surgery. Colorado CAP Wing dispatched an aircraft and transported blood from Denver, Colorado, to Aspen, Colorado.

California. Needles Hospital requested the immediate transport of blood to aid in the treatment of a 43 year old female suffering from severe bleeding as a result of an auto accident. Nevada CAP Wing dispatched an aircraft and transported blood from North Las Vegas Airport, Nevada, to Needles, California.

Nevada. Nevada Department of Emergency Services requested the immediate transport of blood for a patient on the operating table in need of blood for his survival. Nevada CAP Wing dispatched an aircraft and transported blood from North Las Vegas Airport, Nevada, to Bullhead City Airport, Arizona.

Nevada. Nevada Department of Emergency Services requested the immediate transport of blood to aid in the treatment of a patient suffering from an aneurysm. Nevada CAP Wing dispatched an aircraft and transported blood from North Las Vegas Airport, Nevada, to Kingman Airport, Arizona.

California. Nevada Office of Emergency Services requested immediate transport of blood for a patient undergoing a gall bladder operation. Nevada CAP Wing dispatched an aircraft and transported blood from North Las Vegas Airport, Nevada, to Needles, California.

MISSING AIRCRAFT

Minnesota. Minnesota CAP Wing assisted the Minnesota Department of Emergency Management in the search for an aircraft that was on a local cross country flight. Ely Air Inc. located the aircraft in the vicinity of International Falls, MN. The Minnesota State Highway Patrol, assisted by Minnesota CAP Wing, used a helicopter to recover the survivor and made delivery to Orr Hospital, Orr, MN.

OVERDUE AIRCRAFT

California. California CAP Wing was notified to search for an overdue aircraft that was enroute from Borrego Springs, CA, to Carlsbad, CA. California CAP Wing located the aircraft in the vicinity of Loma Madera Ranch Airport, CA. San Diego Life Flight used a helicopter to recover the two survivors and made delivery to Palomar Hospital, Escondido, CA.

Alaska. The Alaskan Air Command Rescue Coordination Center opened a SAR mission in response to Search and Rescue Satellite (SARSAT) detection of ELT signals 65 miles Northwest of Anchorage. Alaska CAP Wing flew to the location and located a downed Cessna 206 on a snow-covered gravel bar. The Cessna 206 had nosed-over upon landing. Alaska State Troopers were dispatched to go to the crash site and pick up the passenger. One save was jointly credited to the Alaska CAP Wing and Alaska State Troopers.

DISTRESS SIGNAL

Utah. Utah CAP Wing was requested to investigate an ELT signal being heard in the Blanding, Utah area. Airborne direction finding equipment was used to locate the distress signal 20 miles southeast of Blanding, Utah.

MISSING PERSON

Pennsylvania. Pennsylvania CAP Wing assisted Thornhurst Fire & Rescue and Scranton County Police Department in the search for a missing 69 year old female. Pennsylvania CAP Wing used ground vehicles to locate and recover the survivor at the Montage Ski Area, PA. The survivor was delivered to Community Medical Center, PA.



Brothers Rescue Hiker: Cadets Michael, left, and John Mooney, recently helped rescue a woman at Smith Rock State Park in Oregon. While the Oregon Wing cadets were climbing at the park, they happened across a woman who had fallen off a cliff. The woman had sustained several injuries including a broken leg and ankle. John made the woman as comfortable as possible, then ran three miles to the nearest phone to call for help. Michael stayed with the victim. The brothers assisted medical teams to the victim's location and also helped medics take her to a waiting ambulance. John is 17 and Michael, 14.

OVERDUE SNOWMOBILER

Alaska. Alaska CAP Wing was notified to assist Alaska State Troopers in a search for an overdue snowmobiler in the Bethel area. A CAP pilot located the snowmobiler about the same time as a ground team. The survivor had left his disabled snowmachine in an attempt to hike to a nearby cabin.

MISSING HUNTER

Idaho. Idaho CAP Wing assisted the Idaho County Sheriff in search for a missing hunter. Idaho CAP Wing located the hunter in the vicinity of White Sand Creek, ID, in good condition. Idaho County Sheriff recovered the survivor and made delivery to a base camp near Powell, Idaho. One save was jointly credited to the Idaho CAP Wing and Idaho County Sheriff.

MISSING HIKER

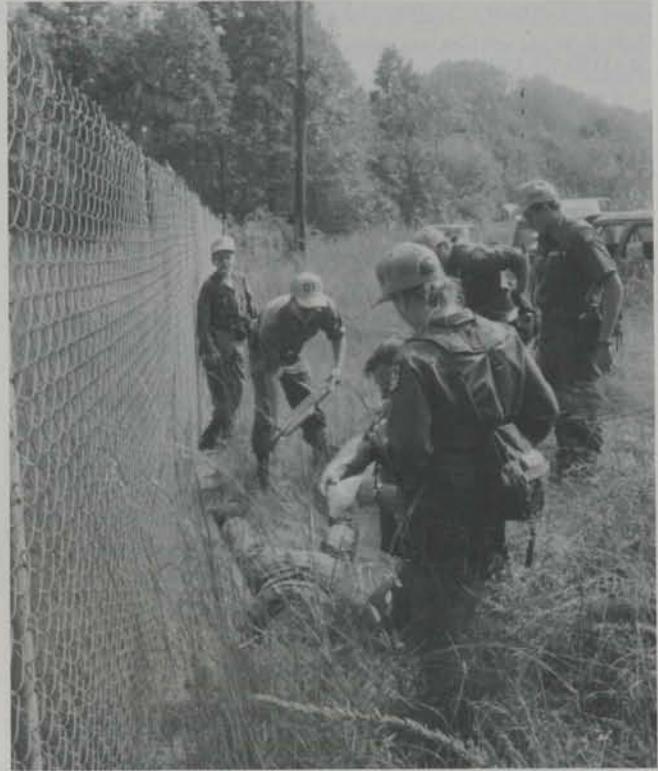
Idaho. Idaho CAP Wing assisted the Idaho County Sheriff in a search for a missing hiker. Idaho CAP Wing spotted the hiker one mile east of Cool Water Lockout, ID, in good physical condition. The U.S. Forest Service used a helicopter to recover the survivor and made delivery to Fenn Ranger Station, ID. One save credited jointly to Idaho CAP Wing and U.S. Forest Service.

MISSING PERSON

Michigan. Michigan CAP Wing assisted the Calhoun County Sheriff in search for a 75 year old female with alzheimers disease. Michigan CAP Wing located the survivor in Springfield, MI. A helicopter was used to recover and deliver her to the Community Hospital, Battle Creek, MI.



Preflight Map Check: First Lt Dale Allen, mission pilot trainee, left, listens intently as Lt Col Bob Hazey reviews possible search areas on a map prior to flying a mission during Louisiana Wings's recent Air Force-evaluated exercise. (Photo by 1st Lt Stan J. Zbozen, Capitol City Composite Squadron, Louisiana Wing)



Search and Rescue Exercise: Cadets from Charleston Cadet Squadron and Wheeling Composite Squadron, West Virginia Wing, participated in a simulated crash site with the object being a C-172 with two persons on board. Ground direction finding teams made the find, used ground signal panels to notify a circling search aircraft, and tended to the victims. The exercise earned an outstanding rating from USAF evaluators. (Top and Bottom Photo)



EMERGENCY SERVICES STATISTICAL SUMMARY

	As of 31 Dec 89	As of 31 Dec 90
RADIO STATIONS		
Fixed Land	3,843	4,652
Ground Mobile	17,950	9,887
Air Mobile	5,781	2,449
Search and Rescue	1,408	569
Corporate Aeronautical	540	531
Repeater Stations	323	405
Emergency Locator	286	342
Total Stations	30,131	18,835
AIRCRAFT		
Corporate Owned	565	531
Member Owned	7,014	5,836
Total Aircraft	7,579	6,367
EMERGENCY SERVICES		
Missions	2,681	2,475
Sorties	10,192	6,373
Hours Flown	21,114	12,718.6
Finds	1,909	1,687
Saves	65	46

WING PARTICIPATION IN EMERGENCY SERVICES

The following data indicates CAP participation in USAF-assigned search and rescue, disaster relief, and other emergency services missions. Thousands of additional hours are devoted to state and local support activities that are not reported. During CY90, Civil Air Patrol was credited with 1,687 finds and 46 saves. ("Finds" are search objectives and "saves" are lives saved.)

	Missions	Sorties	Hours	Finds	Saves		Missions	Sorties	Hours	Finds	Saves
Alabama	64	76	154.7	51	0	National Capital	5	39	46.6	3	0
Alaska	192	368	724.5	113	14	Nebraska	12	13	27.2	7	1
Arizona	42	187	648.8	32	0	Nevada	22	29	44.7	3	9
Arkansas	24	224	396.8	18	0	New Hampshire	13	3	7.1	11	0
California	266	2025	3895.0	102	4	New Jersey	48	13	15.6	49	0
Colorado	53	75	137.3	28	4	New Mexico	38	72	158.0	17	0
Connecticut	21	6	10.6	15	0	New York	68	21	31.2	52	0
Delaware	6	4	6.0	3	0	North Carolina	61	246	529.3	48	1
Florida	206	407	887.8	176	0	North Dakota	7	4	8.2	3	0
Georgia	85	315	506.0	66	0	Ohio	54	41	59.4	84	0
Hawaii	4	9	18.9	7	0	Oklahoma	38	189	333.1	27	0
Idaho	35	217	388.1	10	2	Oregon	13	26	79.0	2	0
Illinois	60	23	30.3	40	0	Pennsylvania	77	27	42.7	51	2
Indiana	36	114	199.6	27	0	Puerto Rico	7	10	12.8	3	0
Iowa	26	16	35.2	24	0	Rhode Island	15	6	10.7	10	0
Kansas	22	6	13.4	15	0	South Carolina	38	55	149.7	23	0
Kentucky	20	156	277.8	11	0	South Dakota	5	1	1.5	2	0
Louisiana	54	24	38.3	44	0	Tennessee	26	99	272.7	18	0
Maine	26	23	39.1	20	0	Texas	160	161	303.3	144	1
Maryland	49	45	81.7	40	0	Utah	41	213	644.7	16	2
Massachusetts	47	109	177.2	30	0	Vermont	9	9	16.7	3	0
Michigan	57	34	76.6	36	1	Virginia	52	359	739.7	36	0
Minnesota	49	24	51.8	34	3	Washington	104	122	191.1	65	2
Mississippi	17	7	5.6	9	0	West Virginia	10	14	33.8	1	0
Missouri	23	6	13.3	19	0	Wisconsin	46	70	82.6	34	0
Montana	11	10	24.0	2	0	Wyoming	11	21	38.8	3	0
National Totals							2,475	6,373	12,718.6	1,687	46

SENIOR MEMBER TRAINING

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

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

LEVEL I. CAP ORIENTATION COURSE

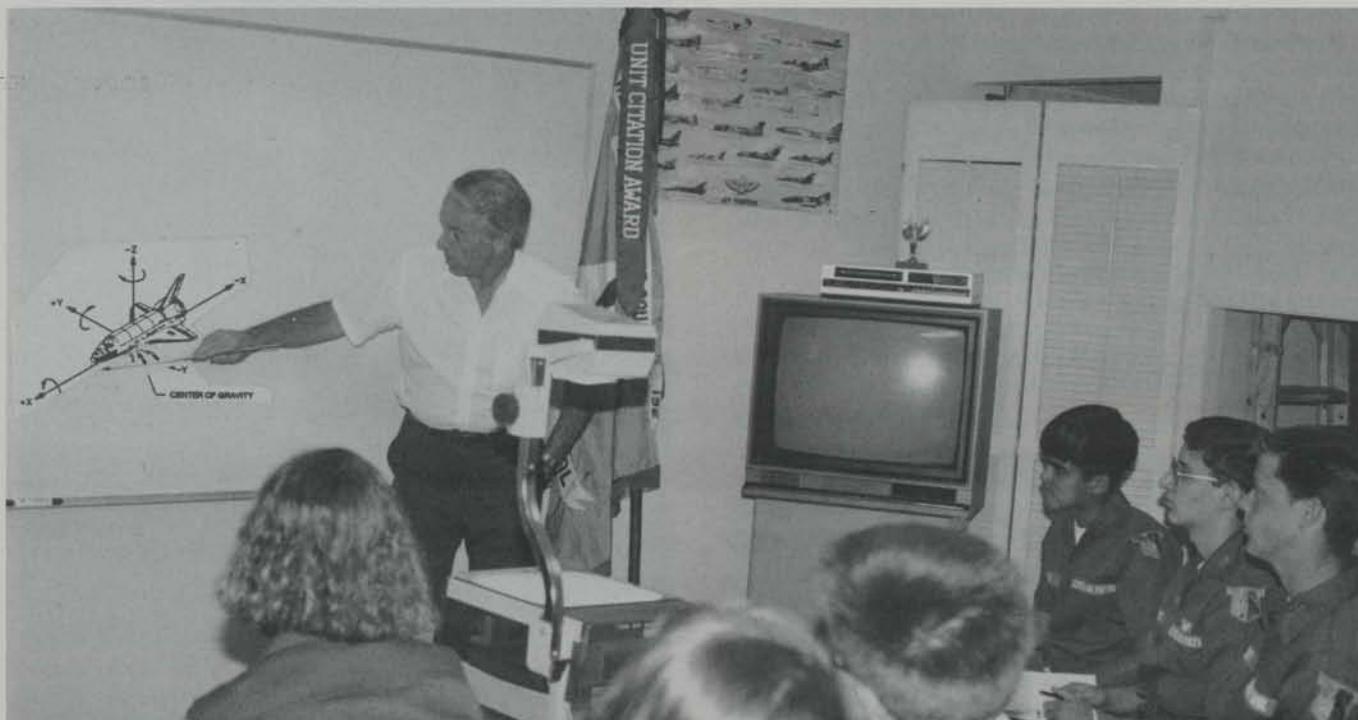
The Level I CAP Orientation Course is presented in two parts. The first part provides basic information on the history and organization of CAP, career development programs, CAP

customs and courtesies, proper wear of the CAP uniform, basic principles of leadership and management, and the cadet protection program. This is accomplished through self-study using a kit of materials known as the Senior Member Handbook. The second segment of the course is a slide/tape presentation which reinforces the basic instructional areas. During CY90 25,189 Civil Air Patrol members completed Level I training requirements. Graduates of Level I receive the basic Membership Award.

LEVEL II. TECHNICAL SPECIALTY TRAINING AND OFFICER DEVELOPMENT

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

CAP Squadron Leadership Schools are conducted locally to augment training in Level II specialties and to further enhance knowledge of leadership and management. In these weekend schools, members are provided a working knowledge of the specialty of their choice. Members also learn to handle certain CAP-unique leadership and counseling situations as well as receive instructions on planning unit meetings and activities. Perhaps as important as the course itself is the opportunity for members from the same geographical area to get to know each other and subsequently work as a team in developing and conducting activities.



Space Navigation: Senior member Ed Daley, West Bay Composite Squadron, California Wing, instructs a Space Navigation Course for cadets from West Bay Composite Squadron. Daley, a pilot, is the founder of Spacelight Training & Technology Corporation.

In addition to the CAP-conducted training, senior members complete a comprehensive CAP Officer Course administered by the U.S. Air Force Extension Course Institute (ECI) at Gunter Air Force Base, Alabama. In CY90, 978 CAP personnel completed Level II Senior Training requirements; with a total of 1,439 CAP members attending 123 Squadron Leadership Schools. Graduates of Level II training receive a Certificate of Proficiency in recognition of their training and educational achievements.

LEVEL III. MANAGEMENT

Central to Level III training is the Corporate Learning Course. Training is conducted over a weekend and concentrates on the study of managerial functions within a CAP organization. It is designed to provide senior members with the practical knowledge for squadron management. Additionally, to complete Level III training, members must hold a command or staff position for one year, advance to "senior" level in the specialty area selected in Level II, and participate in CAP activities at wing or higher. In CY90, 622 CAP members completed Level III, with 1,021 attending 97 Corporate Learning Courses. Graduates of Level III receive the Grover Loening Aerospace Award.

LEVEL IV. COMMAND AND STAFF

The training program for this level is designed to prepare senior members for advanced leadership positions in CAP. Members are expected to represent CAP in their communities by making presentations before local civil groups, church groups, governmental agencies, etc. Members must also attend a 1-week staff college, conducted annually in each of the eight CAP regions. The college provides training in communication, leadership, and management for commanders and staff officers. More than 357 senior members graduated from region staff colleges in CY90. Additionally, in this phase of training members must take a more active role in CAP national, regional, and wing events and continue their service in a command or staff position. CAP officers completing Level IV Senior Training totaled 290 in CY90. Graduates of this level receive the Paul E. Garber Award.

LEVEL V. EXECUTIVE

Only the most dedicated senior members will attain this level of training. To do so they must assume greater responsibility for CAP activities. To progress in this phase of training, members must continue to serve in a command or staff position for three years. Academically, they must complete a 7-day CAP National Staff College (NSC) conducted annually at Maxwell AFB, Alabama. This college provides advanced leadership and management training to develop greater awareness of CAP policies on a national level. The NSC makes extensive use of the facilities and faculties of the USAF Air University professional military education colleges and schools. A total of 101 senior members completed Level V training in CY90, with 84 of them completing the National Staff College. Graduates of Level V receive the Gill Robb Wilson Award.



First Find: The Van Nuys Senior Squadron aircrew of Capt Peter Gad, left, and Squadron Commander, Maj Marv Johansen, recently made their first find during a mission over the Tehachapi Mountains of California.



Transporting Survivors: Gator Senior Squadron members assist in stabilizing simulated victims in transit to waiting ambulances aboard one of the unit members' search vehicles. The scene was captured during a recent evaluated exercise for the Florida Wing unit.

SPECIALIZED MISSION TRAINING

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

- **Extension Course Institute (ECI).** ECI is the correspondence school of the Air Force and is open to CAP members without charge. CAP members can take ECI courses in general military training and certain specialized fields, such as communications. CAP-unique courses are also developed and administered by ECI to augment training in the Level II specialties. In FY90, 6,552 enrolled in ECI correspondence courses.

- **National Search and Rescue (SAR) School.** The National SAR school is designed to enhance the professionalism of SAR mission coordinators. In CY90, 16 CAP members attended the course conducted by the USAF and US Coast Guard.

- **Communications Training.** Communications schools are conducted annually in the Northeast Region of CAP at Westover AFB, Massachusetts. Additionally, in CY90, a Communications school was conducted by the Great Lakes Region at Chunute AFB, Illinois. These schools are open to both senior and cadet members and provide training in communication procedures and techniques that qualify attendees for "Communications Officer" responsibilities in their CAP units of assignment.



Loss of Pressure: Civil Air Patrol members from the Texas Wing and members of the Coast Guard Auxiliary prepare to remove their oxygen masks in an altitude chamber. The group took their masks off to experience the symptoms of hypoxia as part of a Physiological Training Class offered by Federal Aviation Administration at the NASA-Johnson Space Center in Houston.



Excellence in Aviation Education Award: Federal Aviation Administration Flight Standards District Officer for Minnesota, Andrew Detrol, right, presents Minnesota Wing Commander, Col Alan K. Brandon, the FAA Administrator's Championship Award for Excellence in Aviation Education in the Youth Organizations Category. The award recognizes Minnesota Wing's role in preparing Minnesota's youth for the challenges of tomorrow.

- **Commander's Course.** The CY90 class of the annual orientation course for new wing and region commanders was conducted at National Headquarters, CAP, Maxwell AFB, Alabama, in February 1990. This 4-day course was conducted by HQ CAP-USAF personnel as an in-house program to present current programs and address specific needs of new commanders. Sixteen newly appointed commanders attended this course.

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

- **Mission Training Exercises.** CAP wings conduct emergency services training and upgrading programs to improve both the skills of individual members and the effectiveness of the organization as a team. Every year each wing conducts up to five practice disaster relief, and search and rescue exercises, and two evaluations which are monitored by U.S. Air Force evaluators. The evaluations used to determine the effectiveness of wing training programs and wing capability to respond and satisfactorily execute any mission it may be called upon to perform. Over 45 evaluations were conducted in CY90.

CAP CHAPLAINCY

The CAP chaplaincy, with approximately 900 men and women from over 75 religious denominations, offers a unique opportunity for clergy to perform their ministry in an ecumenical setting in the largest volunteer chaplain service in the world. Volunteer civilian clergy provide pastoral care, playing a significant role in the religious life and moral and spiritual values of Civil Air Patrol's cadet and senior members. Through a ministry of presence, CAP chaplains model religious values and offer an opportunity for members to share their joys, frustrations, and aspirations in the service of others.

Each chaplain is screened for professional competence and must receive ecclesiastical endorsement from his or her denomination. In addition, each is required to be ordained, have a four year college degree, and three years of seminary or its equivalent in professional experience. The CAP chaplain force is augmented by over 100 visiting clergy who generously assist with the cadet moral leadership training programs in squadrons lacking a duly appointed chaplain.

In addition to performing the essential role of chaplain/personal counselor to each CAP member and the professional religious functions, such as services on encampments and at memorial and patriotic observances, the chaplain also provides a ministry of presence for both victims and members who take part in emergency or disaster relief operations.

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

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

This year, the CAP chaplain ministry is expanding its moral leadership program to include "Ethics for Living" for senior members. The program is designed to examine and increase understanding of the values by which one lives; to foster an appreciation of the spiritual and ethical values inherent in CAP as it is rooted in the American way of life; to enhance basic skills in ethical decision-making; and to encourage consistent application of these values to the everyday life of a CAP officer. Basic topics covered include personal ethics, community ethics, relational ethics, and the ethics of responsibility for commanders.

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



Inspirational Visit: Alabama Wing Chaplain, Maj James Melancon, center, visits with Alabama Wing's Cullman Composite Squadron Cadets, from left, Julie Brand, Ramon Navarro, Vincent Maddux, Mary Joe Hayden, John Westerfield, deputy commander for cadets, and Wesley Bryan. Chaplain Melancon is a Professor of New Testament Studies at Oakwood College, Huntsville, AL.

ASSOCIATION WITH OTHER ORGANIZATIONS

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

Air Force Association (AFA). The Air Force Association is a longstanding supporter of Civil Air Patrol in all three of its basic missions at the national and local levels. Mr. James A. McDonnell, Chief, Program & Military Relations, from AFA Headquarters in Arlington, VA, attended the Civil Air Patrol National Board Meeting in August 1990 and presented the AFA's Civil Air Patrol Outstanding Senior Member of the Year Award to Lt Col Frank E. Kelly of the Illinois Wing; and the AFA's Civil Air Patrol Outstanding Cadets of the Year Award to Cadet Colonel Tyler G. Kim, Hawaii Wing, and Cadet Colonel Ed D. Lawson, Wyoming Wing.

Order of Daedalians. This multi-service fraternal organization of military pilots supports CAP through financial contributions for local squadron activities as well as solo and private pilot scholarships on both the local and national levels. National recipients of \$2,100 scholarships in CY90 were Cadets Timothy D. Rush of the Colorado Wing, Christopher D. Taylor of the Illinois Wing, Michael L. Wimmer of the Virginia Wing, James E. Collins of the Texas Wing, and Heather M. Phinney of the Nebraska Wing. The scholarships are used for ground and flight training toward an FAA private pilot certificate.

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



Evacuation: Fairfax Composite Squadron cadets, Virginia Wing, assist Fairfax County Police Helicopter Unit personnel as they evacuate a simulated "injured victim" during a joint practice mission at Fairfax County landfill site. (Photo by Cadet Joseph M. Flaig)

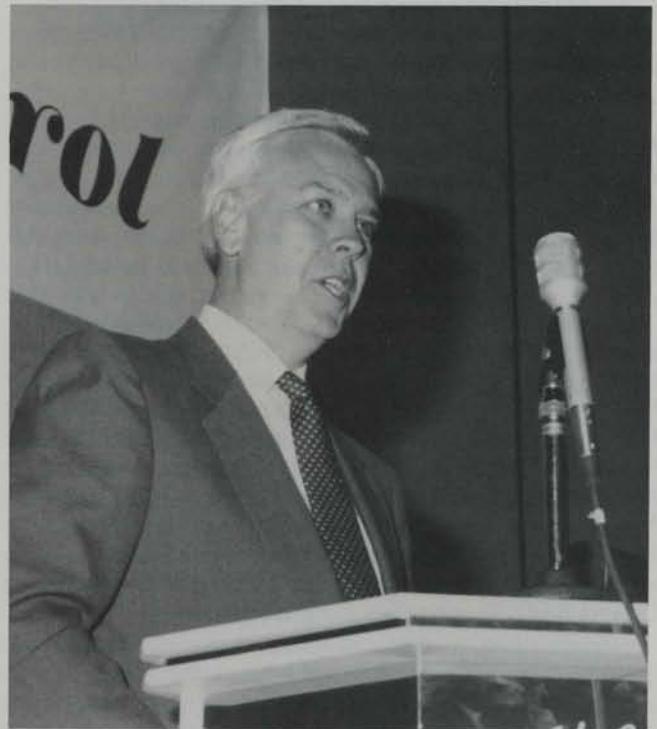
Federal Communications Commission (FCC). The FCC continued to be extremely helpful in providing guidance on its rules and regulations and in assisting Civil Air Patrol in its efforts to improve its communications program. Mr. George Dillon, FCC Marine and Aviation Branch, and Mr. Marcus Stevens, FCC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

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

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



Remembrance: Cadet Cathy Corbin, Chillicothe Composite Squadorn Ohio Wing, places a flag at a special gravesite tombstone in Greenlawn Cemetery, Chillicothe, Ohio. Each year, as part of the unit's community service activities, Chillicothe cadets remember veterans by placing flags on their graves. Cadet Corbin was especially interested as the grave is that of her great, great, great-grandfather who served in Company A, 89th Ohio Volunteer Infantry during 1864-65 as a drummer boy. (Photo by Capt Arthur J. Corbin, Group 14, Ohio Wing)



Congressional Support: Congressman Rod Chandler, (R-Washington), was guest speaker at the first General Assembly of Civil Air Patrol's National Board meeting in Reno/Sparks, Nevada. Congressman Chandler praised Civil Air Patrol on its accomplishments and pledged his support for the future. (Photo by Air Force SSgt George Wendt)

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

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

Federal Emergency Management Agency (FEMA). FEMA was established in 1979 to merge closely allied federal programs involved with preparedness for and response to national emergencies. FEMA and Civil Air Patrol entered into a Memorandum of Understanding in November 1981 to promote mutual support and coordination through specific points of contact at various levels of both organizations. A revised draft Memorandum of Understanding is presently in negotiation and is expected to be completed in CY91. The FEMA regional offices coordinate emergency services activities with various state and local governments. CAP wings have developed agreements with state and local governments making CAP support available during emergencies.



Spaatz Award Winner: Cadet Charles Podolak, Boulder Composite Squadron, Colorado Wing, accepts the coveted Gen Carl A. Spaatz Award from Representative David Skaggs (D-Colorado). Representative Skaggs made the presentation during ceremonies in his office in Westminster, CO. Cadet Podolak has been a member of Boulder Composite Squadron since 1986. His parents were present during the ceremony attended by Colorado Wing Commander, Col James C. Bobick, and Rocky Mountain Region Director of Cadet Programs, Lt Col JoAnn Eisenzimer.

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

Counternarcotics Agencies. A supplemental appropriations bill passed in CY90 providing DOD funds for CAP to support the Drug Enforcement Administration (DEA), Customs Service, U.S. Forest Service (USFS), and local law enforcement agencies.

American Red Cross (ARC). Civil Air Patrol continued its support of the ARC by transporting human blood in emergency situations and cooperating in disaster relief operations.

National Aeronautics and Space Administration (NASA). NASA, along with Civil Air Patrol and the Federal Aviation Administration, co-sponsor the annual National Congress on Aviation and Space Education. On 22-24 March 1990, the 23rd annual Congress was held in Reno/Sparks, Nevada.

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

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

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



Missouri Wing Honors Governor: Missouri Wing Commander, Col Joseph D. McMillan, right, presents a Civil Air Patrol Honorary Membership Certificate to the Honorable John Ashcroft, governor of Missouri, left, during recent ceremonies in the Missouri State Capitol Building. Also attending the ceremony is Missouri Wing Liaison Officer, Air Force Maj Joseph Erkman. Governor Ashcroft was presented the honorary membership in recognition of his continued support for Civil Air Patrol and its programs.

RECOGNITION OF EXCELLENCE

UNIT RECOGNITION

Squadron of Distinction: The Civil Air Patrol Squadron of Distinction program was established to recognize the top cadet or composite squadron in the nation for distinctive accomplishments in the cadet program during the preceding year. This award carries with it an honorarium in the amount of \$500 donated in memory of the late F. Ward Reilly, former CAP Chairman of the Board (present position National Commander).

The CY90 Lexington Composite Squadron of the South Carolina Wing was selected as the CY90 CAP Squadron of Distinction. During the rating period the squadron excelled in all aspects of a well-balanced cadet program to include 188 cadet orientation flights, 6 Mitchell Awards, 2 Earhart Awards, and 1 Phase IV completion. In addition, cadet membership increased from 29 to 72 cadets which greatly contributed to the squadron's ability to become the best. The squadron was also actively involved in numerous community activities.

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

- (1) Veteran's Memorial Composite Squadron 209, Pennsylvania Wing
- (2) Akron-Canton Composite Squadron, Ohio Wing
- (3) PTC Falcon Field Composite Squadron, Georgia Wing
- (4) Tar River Composite Squadron, North Carolina Wing

AU Commander's Safety Award: *Northeast Region*

Paul W. Turner Safety Award: *Wyoming Wing*



Squadron of Distinction: South Carolina Wing's Lexington Composite Squadron, commanded by Capt Bruce B. Wilson, center, is Civil Air Patrol's CY90 Squadron of Distinction. Making the award presentation are Civil Air Patrol's National Commander, Maj Gen E. E. Harwell, left, and Civil Air Patrol's Executive Director, Air Force Col Joseph M. Nall.



Number 1 Wing in the Nation: Col William M. Nimmo, commander, West Virginia Wing, receives the Number 1 Wing in the Nation Award from Maj Gen E. E. Harwell, National Commander Civil Air Patrol.

CAP-MAP Top 8 of the 90's. The following wings were selected as the top performers in each region under the criteria of the Civil Air Patrol-Management Analysis Program (CAP-MAP) for CY90:

Indiana - Great Lakes Region	Oklahoma - Southwest Region
Delaware - Middle East Region	Tennessee - Southeast Region
Connecticut - Northeast Region	Utah - Rocky Mountain Region
Kansas - North Central Region	Alaska - Pacific Region

Special recognition was awarded to the three top scoring wings in the competition. The Indiana Wing was designated "Number One Wing in the Nation"; Delaware "Number Two Wing in the Nation"; and Connecticut "Number Three Wing in the Nation."



Air University Commander's Safety Award: The CY90 Air University Commander's Safety Award was presented to Civil Air Patrol's Northeast Region. Presenting the award to Northeast Region Commander, Col Roy I. Arroll, on behalf of Air University Commander, Lt Gen Charles G. Boyd, is the Commander, CAP-USA, Air Force Col Joseph M. Nall.



Two Cadets Earn Civil Air Patrol "Cadet of the Year Award"

Cadet Ed D. Lawson, Wyoming Wing, left photo, and **Cadet Tyler G. Kim**, Hawaii Wing, right photo, receives the coveted Civil Air Patrol Cadet of the Year Award from Civil Air Patrol National Commander, Maj Gen E. E. Harwell, during ceremonies at the 1990 National Board meeting in Reno/Sparks, Nevada.

INDIVIDUAL RECOGNITION

Cadets of the Year: *Cadet Tyler G. Kim, Hawaii Wing, and Cadet Ed D. Lawson, Wyoming Wing*

Senior Member of The Year: *Lt Col Frank E. Kelly, Illinois Wing*

Wing Commander of The Year: *Col James M. Hazelrigg, West Virginia Wing*

F. Ward Reilly Leadership Award: *Lt Col Thane L. Anderson, South Carolina Wing*

Chaplain of The Year: *Ch, Lt Col, William R. Smalley, Northeast Region*

Thomas C. Casaday Unit Chaplain of The Year: *Ch, Lt Col, Alex H. Mills, Georgia Wing*

Safety Officer of The Year: *Maj William M. Palmer, Nevada Wing*

Historian of The Year: *Maj Elaine K. Hoch, Kansas Wing*

Communicator of The Year: *Lt Col Burl C. Grupe, Illinois Wing*

Public Affairs Officer of The Year: *Capt Joyce Kienitz, Arizona Wing*

Frank G. Brewer CAP Memorial Aerospace Awards

Cadet Category: *Cadet Robert S. Leszczynski, Ohio Wing*

Senior Category: *Col Darlene G. Gilmore, Wyoming Wing*

Individual Category: *Mrs. Teresa L. Huckleberry, Great Lakes Region*

Organization Category: *North Central Section of the Ninety Nines, Great Lakes Region*

General Carl A. Spaatz Awards: A total of 1,035 Spaatz awards have been earned. The following cadets were recognized for completing all phases of the structured CAP Cadet Program in CY90:

Alaska

Rebecca M. Long (No. 974), Anchorage Polaris Composite Squadron

Arkansas

Chris W. McLellan (No. 1001), Ft. Smith Composite Squadron
 Richard M. Operhall (No. 1002), Ft. Smith Composite Squadron
 Lannie C. Byrd (No. 1035), Delta Composite Squadron

California

Jeffrey R. Duncan-King (No. 991), Eugene L. Carnahan Cadet Squadron 85
 David M. Stamps (No. 995), Jon E. Kramer Composite Squadron 10
 Joseph P. Finken (No. 997), North Orange City Composite Squadron 56
 David W. Farnham (No. 998), McClellan Composite Squadron 12
 Carl B. Watson (No. 1011), El Monte Composite Squadron 21
 Laurel A. Quaile (No. 1014), Jay Weinsoff Cadet Squadron 3

Colorado

Lance E. Baxter (No. 1000), Timberline Cadet Squadron
 Charles J. Podolak (No. 1005), Boulder Composite Squadron
 John W. Englert (No. 1029), Boulder Composite Squadron

Connecticut

Lee M. Bright (No. 990), Minuteman Composite Squadron
 Paul J. Rogers (No. 1019), 399th Composite Squadron

Delaware

Brian S. Shannon (No. 986), New Castle Cadet Squadron
James C. Herrera (No. 1012), Dover Cadet Squadron

Florida

David A. Burke (No. 1032), Citrus County Composite Squadron

Georgia

Joseph L. Knight, III (No. 1004), Atlanta Composite Squadron 2

Hawaii

Lane G. Martin (No. 1010), Hawaii-Kai 'Aeko Composite Squadron

Illinois

Frank D. Diaz (No. 975), Riverpark Cadet Squadron
Craig A. Hansen (No. 988), Nike-Elk Grove Composite Squadron

Indiana

Mark C. Rusk (No. 972), Grissom Cadet Squadron
Thomas C. Judd (No. 1022), Seymour Composite Squadron

Maryland

Tina M. Lumley (No. 1021), Whitmarsh Composite Squadron
Michael K. Britten (No. 1023), Apollo I Composite Squadron
Wesley S. Comerer (No. 1025), Howard Composite Squadron
Richard C. Benet (No. 1031), Frederick Composite Squadron

Maine

Christopher M. LaSalle (No. 1003), Cumberland County Composite Squadron

Michigan

Paulette S. Ambory (No. 1034), Van Dyke Cadet Squadron

Missouri

Julie M. Abel (No. 977), St. Louis Composite Squadron 1
Brian M. Main (No. 992), Richard-Gebaur Composite Squadron

North Carolina

Stanley P. Rosen (No. 985), Raleigh-Wake Composite Squadron
Kenneth P. Parker, Jr. (No. 994), Kinston Composite Squadron



Command Presentation: Civil Air Patrol's National Commander, Maj Gen E. E. Harwell, left, and National Vice Commander, Brig Gen Warren J. Barry, present the 1,015th Gen Carl A. Spaatz Award to Cadet Stephen M. Purdum, Tennessee Wing. Cadet Purdum received his award at Civil Air Patrol's 1990 National Board meeting in Reno/Sparks, Nevada.

Nebraska

Heather M. Phinney (No. 979), Fremont Cadet Squadron

New Hampshire

Curt E. Lafond (No. 1030), Hawk Composite Squadron

New Jersey

Steven H. Drollinger (No. 981), Raritan Valley Composite Squadron
Peter L. Carrabba (No. 982), Col N. M. Spears Composite Squadron
James S. Stanislaski (No. 999), Raritan Valley Composite Squadron

New Mexico

Anthony D. Navarrette (No. 993), Eagle Composite Squadron

Nevada

Mark W. Lecave (No. 1033), Clark County Composite Squadron

New York

Gregory L. Winquist (No. 973), Niagara Falls Composite Squadron
Rafael Alardo (No. 983), Bronx cadet Squadron 3
John J. Risio (No. 1013), Niagara Falls Composite Squadron
Sayedoul Rahman (No. 1018), Manhattan Cadet Squadron II

Ohio

Joseph A. Schwade (No. 976), Columbus Cadet Squadron 806
Robert P. Hartigan (No. 996), Heselton Cadet Squadron 802

Oklahoma

Christopher D. Seymour (No. 1009), Oklahoma City Composite Squadron 1
James R. Weaver (No. 1024), Cleveland City Composite Squadron

Oregon

Derek W. Rustvold (No. 971), Aurora Composite Squadron
Noel R. Bouchard (No. 1017), Shady Cove Composite Squadron

Pennsylvania

William A. Davis (No. 1007), Westmoreland Cadet Squadron

Puerto Rico

Reinaldo J. Morillo (No. 1016), Bayamon HS Cadet Squadron

Rhode Island

Roland T. Houle, Jr. (No. 980), 102nd Composite Squadron

Tennessee

Stephen M. Purdum (No. 1015), Old Hickory Composite Squadron
Charles A. Israel (No. 1026), Williamson County Composite Squadron

Texas

Stephen S. McIntosh (No. 987), Phantom Composite Squadron
James W. Bilyeu (No. 989), Lewisville Composite Squadron

Utah

Jared B. Luther (No. 1027), Cache Valley Composite Squadron

Virginia

Kevin D. Westley (No. 1008), Montgomery Composite Squadron

Washington

Robert W. Napier (No. 978), Olympia Composite Squadron
Christopher A. Seale (No. 1006), Boise Composite Squadron
Blaine S. Lorimer (No. 1020), Bellingham Composite Squadron
Devin R. Wickenhagen (No. 1028), Cheney Composite Squadron

West Virginia

Gary D. Rice (No. 984) Morgantown Composite Squadron

Scholarship Winners: CAP scholarships valued at \$33,000 for academic year 1990-1991 were awarded to 44 of Civil Air Patrol's outstanding members who are attending colleges and universities across the country. In addition to Cadets Tyler G. Kim and Ed. D. Lawson, who received \$1,500 as Cadets of the Year, recipients of \$750 scholarships were:

Arkansas Wing
Wade D. Brock
Lucas K. Gill
Roxanne M. Gill

Arizona Wing
Andreana M. Dereniak
David A. Snell

Florida Wing
Kevin S. Holcomb
Troy D. Lanich
Graig A. Loerzel
Cynthia M. Moredock

Georgia Wing
Deana A. Smith

Illinois Wing
Edward J. DeWard
Christopher D. Taylor

Indiana Wing
Michelle Presswood

Massachusetts Wing
Michael G. Sarrouf

Maryland Wing
Kevin B. Cooley

Michigan Wing
Catherine E. McBride
Mark C. Sheldon

Missouri Wing
Nattalina J. Baldwin
Brian M. Main
Matthew T. Pinick
Carmelo D. Turdo
Johnene L. Vardiman
Nicholas S. Vazzana

Nebraska Wing
Sandra J. Burnham
Darcy E. Gibbons
Heather M. Phinney
Jonathan C. Ruwe

New York Wing
Anthony Steve Hatzis
John A. Tringali

Oklahoma Wing
David J. Cotter
Shannon L. Currey

Pennsylvania Wing
William P. Geyer, Jr.

South Carolina Wing
Kimberly C. Jollow

Tennessee Wing
Holly S. Cobert
Hiram C. Williamson

Texas Wing
James E. Collins
Judson T. Heartsill
Deborah L. McCree
Dianne L. Wiemann

Utah Wing
Scott L. Rawlings

Virginia Wing
Michael L. Wimmer

Washington Wing
Blaine S. Lorimer
Jeffrey A. Lustick
Teresa B. Saylor



Academy Honor Roll: Air Force 2nd Lt Matthew M. Hurley, center, graduated from the Air Force Academy in the Class of 1990. His name was inscribed on the Civil Air Patrol Honor Roll Scroll which hangs in Arnold Hall at the academy. With a double major in history and political science and a grade point average of 3.86, he had the highest order of merit ranking of all former Civil Air Patrol cadets in the Class of 1990. Lieutenant Hurley was a member of the Yokota Composite Squadron while his father was stationed at Yokota Air Base, Japan. At the tapping ceremony, Commandant of Cadets, Air Force Brig Gen John J. Redden, right, presented a personal plaque to Cadet Hurley. Rocky Mountain Liaison Region Commander, Air Force Col Howard J. Rice, left, also participated in the ceremony. (Photo by Lt Col Bill Madsen, Rocky Mountain Region historian)

Gill Robb Wilson Awards: The Gill Robb Wilson Award, named for one of the founders of Civil Air Patrol, is the highest award attainable in the Senior Member Training Program. In recognition of completion of CAP advanced leadership requirements, the award was presented to the following members in CY90:

Alabama

Paul J. Albano, Sr.

Alaska

Mac Dean Culver

Arizona

Alvin J. Bedgood
Robert A. Cornelius
Gilbert H. Day
Cliff W. Eaton

California

Joseph A. Bradley, III
Robert B. Fields
James F. McManus
James A. Miller
Earl C. Smith

Colorado

Steve W. Budd-Jack
Glen A. Farnum
Daniel P. Kish
Harold S. McCloud

Connecticut

Solomon Berkowitz
George F. Bisson
John F. McCarthy, Jr.

Florida

Claude Smith Farmer, Jr.
James W. Giles
David H. Lamontagne
Arduino R. Menegat
Charles R. Pirnat
Myron J. Powell
Bernard S. Schumacher
Wilma J. Stockton

Georgia

Pamela K. Adams
Emerson E. Addington, Jr.
Clarence E. Allbritton, Jr.
Harold Crider
Joe A. Early, Jr.
Joseph L. Knight, Jr.
Clarence E. Shaffer

Idaho

Jerry G. Voss

Illinois

John E. Oroz
Ed Sharza

Indiana

Charles T. Gorman

Kansas

John E. Canada
Harry F. Messinger
James M. Moss

Kentucky

Alan R. Colwell

Louisiana

Ernest J. Lally, Jr.

Massachusetts

Robert M. Bettinson
James C. Mackey

Michigan

Anne L. Baird
Michael L. Davis
Patrick C. Melville, Sr.
Pamela P. Saile
Karin N. Schonfelder
Samuel R. Thomas, Jr.
Frances C. Whitlark

Minnesota

Patricia Lynn Slice

Missouri

Erwin W. Hageman
James K. Sizer

Montana

Ralph A. Klawitter

Nebraska

Ralph M. Gibbons
David M. Halperin

Nevada

Wayne F. Springmeyer

New Jersey

Beverly E. Camenzind
Joan Convery

New Mexico

Rogelio Reyes, Jr.

New York

Paul R. Lewandowski
Jane P. Parot
David H. Polinger
Arthur W. Sperling, Jr.

North Carolina

Robert K. Hammer
Robert W. Irsik

North Dakota

William J. Crielly, Jr.

Ohio

William L. Kidney
Gerald E. Radcliffe

Oklahoma

Roy L. Carman

Pennsylvania

Lawrence W. Adams
Albert Clark
Paul H. Ness
Marsha A. Schmalz
Darrell E. Westby

Puerto Rico

Rafael C. Roman

Rhode Island

Francis A. Trudell

South Carolina

Francis C. Lucas
Richard A. Reed

Tennessee

Franklin E. Smith
Montille O. Warren

Texas

Donald W. Cantwell
James R. Gates
Willie Ray Harris

Utah

Gwen M. Anderson
Kathryn A. Holden
David Lee Morgan
Alan C. Rehkemper

Virginia

Gene D. Hartman
Frank H. Lerchen, Jr.
Walter L. Piotrowski

Washington

Craig G. Gunter

West Virginia

Alice J. Hopkins
Joe L. Hopkins
William R. Southard

Wisconsin

Clyde J. Bridger
Russell L. Gerber
Hugh H. Sutton
JoAnn Sutton

Overseas

Keith F. Lauder

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

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

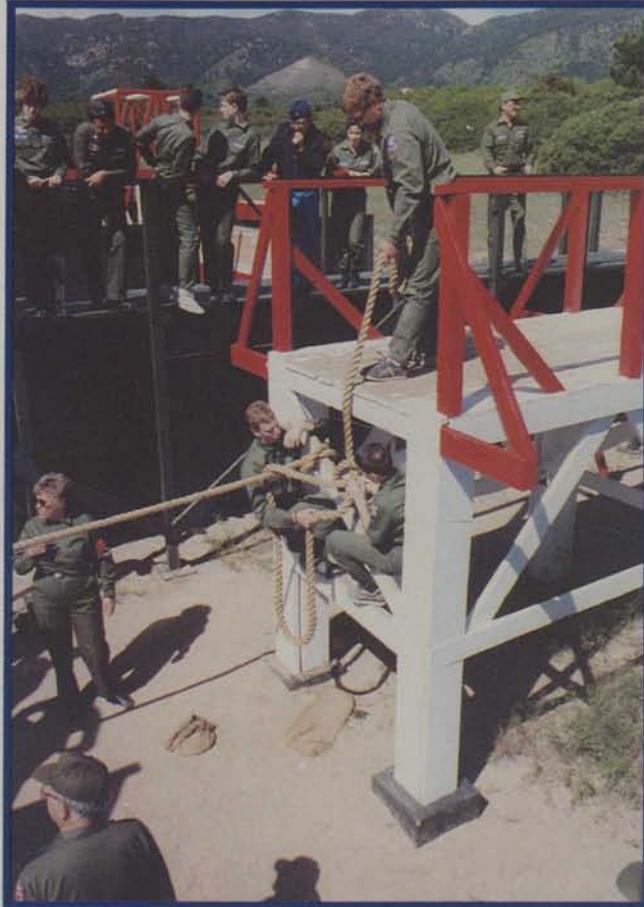
The CAP Annual Report to Congress
Prepared by the Office of Plans and Programs
Edited by Joyce B. Pasley
National Headquarters, Civil Air Patrol
Maxwell AFB, Alabama 36112-5572



Goodyear Composite Squadron cadets, Arizona Wing, conduct one of the final phases of a radiological decontamination mission by decontaminating a corporate Cessna 182 during Arizona Wing's recent Air Force evaluated search and rescue exercise. Air Force officials, rating the cadet's efforts, gave them high praise and an Outstanding rating.

CAP Major Tim O'Donnell, left, assisted by an ambulance nurse, practices the proper method of transporting an accident victim during First Responder training. The training was planned and conducted by members of Missouri Wing's Capital City Composite Squadron.





Cadet and senior members take part in exercises that emphasize benefits of teamwork as part of the program of instruction at Rocky Mountain Region Staff College. The seven-day course included classes on such topics as Time Management, Human Motivation, Leadership and many others including field training in teamwork. Attending Rocky Mountain Region Staff College were senior members and cadets from across the country.