



Report to Congress
2008



Civil Air Patrol's core values of integrity, volunteer service, excellence and respect provided the vision for success in 2008. With a recession threatening the viability of federally funded programs nationwide, the demand for Civil Air Patrol's services — which cost the taxpayers only about \$130 per flying hour — continued to grow. Our 57,000 volunteers' outstanding accomplishments in emergency services, cadet programs and aerospace education truly marked a level of achievement "Above and Beyond" the call of duty. The economic impact of our volunteer man-hours to America was well over \$120 million, even though our budget is a fraction of that.

When natural disasters strike, CAP is often the first on the scene, providing aerial photography, damage assessment and ground team relief. For Hurricane Ike alone, hundreds of members provided 18,700 man-hours during ground and air missions, ultimately providing 40,000 high-definition photos to document more than \$5 billion in damage wrought in east Texas. Members also documented damage in Louisiana following Hurricane Gustav, as well as the havoc wrought by twisters in 16 states across the nation, along with flooding in the Midwest and Rocky Mountains. In addition, members played a leadership role in spotting forest fires. CAP performs these services for Eglin Air Force Base in Florida year-round, returning savings of up to \$1,000 per flying hour when compared to the cost of using a private company to fly helicopters.

Every year, volunteers perform 90 percent of the continental inland search and rescue missions directed by the Air Force Rescue Coordination Center. More than 2,500 search and rescue missions were conducted in 2008, and CAP members were credited with saving 91 lives. CAP also participated in the Air Force's millionth sortie flown in support of the Global War on Terror; members simulated potential threats to the nation's capital during these Falcon Virgo exercises.

CAP performs these missions in the air by relying upon 550 general aviation aircraft, the largest fleet of single-engine aircraft in the nation, 118 of which are equipped with Garmin glass-cockpit technology. In addition, the fleet's 16 Gippsland Airvans feature airborne real-time cueing hyperspectral imaging reconnaissance systems (ARCHER). Many also are equipped with digital emergency radio direction finder equipment essential for search and rescue operations.

In addition, completion of prestigious growth opportunities both at home and across the globe by CAP's 21,000 cadets broadened their horizons. Highlights this year included former CAP Cadet Col. Hila Levy's graduation from the U. S. Air Force Academy at the top of her class. Now an Air Force second lieutenant, Levy also is CAP's first Rhodes scholar. Another former cadet, Air Force Col. and CAP Sr. Mbr. Eric Boe, made international headlines this year as pilot of the NASA Space Shuttle Endeavour. His achievements further substantiate the value and significance of CAP's cadet and aerospace education programs.

Aerospace Connections in Education, a prototype program for kindergarten through sixth-grade students, touched the lives of 7,000 children last year, in addition to the tens of thousands reached through our aerospace education programs.

Participation in Wreaths Across America's salute to the nation's veterans attracted more than 15,000 patriotic citizens as CAP wreath sponsors. This partnership with Worchester Wreath Co. to adorn state and national cemeteries and memorials with more than 100,000 wreaths is one of CAP's banner public awareness projects.

Civil Air Patrol's accountability and public trust in executing its legislatively mandated missions truly have reached unprecedented levels of respect and admiration as a result of strong leadership, undisputed professionalism and a collective love of country. Guided by a steadfast commitment to CAP's core values, our members' volunteer achievements helped the organization soar to greater heights in 2008.

Maj. Gen. Amy S. Courter
CAP National Commander

CAP Leadership

CAP aircrews flew thousands of hours to support hurricane relief efforts in Alabama, Louisiana, Mississippi and Texas; wildfires in California, Florida, Kansas, Maine, South Dakota, Texas and Virginia; and flooding missions in 14 states, as well as damage assessment following tornadoes in 16 states.

In addition, homeland security — CAP's founding mission — remained a top priority. Members simulated potential threats to the nation's capital during Falcon Virgo missions and helped test the Air Force's Visual Warning System for pilots who fly into Washington, D.C.'s no-fly zones. Meanwhile, to protect military members and equipment as well as communities and citizens, CAP escorted Navy ships in Maine, provided aerial reconnaissance of the Port of Philadelphia and conducted road, bridge and bay patrols in Maryland, Arizona and Delaware.

During nearly 2,500 search and rescue missions, CAP also took to the air and ground to search for downed aircraft and aviators as well as an assortment of lost citizens nationwide. Their efforts helped save 91 lives.

CAP volunteers' contributions of time, talent and expertise, often on nights, weekends and holidays, were truly "Above and Beyond" the call of duty. The cost to taxpayers was minimal — only about \$130 per flying hour.

Natural disasters once again called CAP into action in 2008, when hurricanes crashed into U.S. shores, floods overran rivers and fields and tornadoes turned communities into piles of splintered wood. Hundreds of members like Texas Wing Lt. Col. Melanie Capehart, right, responded.

Emergency Services



Service



Missions: Rebuilding, Protecting Communities



Guarding the Homeland

Though CAP is best known for search and rescue and disaster relief, its role in homeland security continues to increase. In 2008, missions included Washington, D.C., protection exercises and terrorism preparedness.

CAP aircraft simulated potential threats to the nation's capital during Falcon Virgo missions. National Capital Wing and Congressional Squadron Cessna 182s flew more than 150 hours acting as targets to support training for the ground and air defense forces that protect the capital.

As CAP planes closed in on restricted areas, Air Force F-16 fighters intercepted the mock enemies and turned them over to Coast Guard helicopters for escort out of the airspace; at the same time, Army ground forces tracked them with radar and surface-to-air missiles.

Before the live missions began, CAP aircrews in several other Southwest Region wings flew numerous times both day and night for two weeks to help train Army personnel who guard the capital throughout the year. CAP flew more than 100 hours on radar-calibration flights and acted as target aircraft on these missions.

CAP also helped the Air Force test its Visual Warning System for pilots, a security system that signals aviators who fly into Washington, D.C.'s "no-fly" zones. Using low-power laser beams in an alternating red-red-green light sequence, the system warns pilots they are entering the restricted area.

Also, in 2008, CAP aircrews were targeted in training scenarios by Air Force and National Guard fighter jets in CAP wings across the nation during air defense target missions. CAP aircrews participated in 146 such missions, flying more than 600 sorties in which they simulated various threats.

War on Drugs

In addition to homeland security, CAP helped safeguard the nation in 2008 by assisting other agencies in taking more than \$1 billion in illicit drugs and money off

U.S. streets. During more than 250 counterdrug missions, CAP pilots conducted aerial searches, at the request of state and federal counterdrug agencies, for outdoor marijuana patches and other indications of illegal drug activity.

CAP aircrews around the country also posed as pilots of aircraft flying illicit drugs and contraband into American airspace, which allowed Air Force fighter pilots to practice intercepting illegal pilots.

Protecting Waterways and Roadways

CAP's dedication to homeland security included other important missions that protect the nation and its citizens. These missions included aerial reconnaissance of vital U.S. waterways and roads.

For example, CAP aircraft continued to escort U.S. Navy ships sailing on the Kennebec River between Bath Iron Works in Bath, Maine, and the Atlantic Ocean. As ships from the Iron Works wound their way to and from the Atlantic, CAP helped ensure that unknown vessels remained outside the ships' security zone.

In Pennsylvania, CAP worked with the Delaware River Maritime Enterprise Council to monitor the onloading and offloading of military equipment at the Port of Philadelphia. CAP aircrews helped increase port security by observing shipments of helicopters, vehicles and containers during the missions.

Also, the Maryland Wing continued to protect the Chesapeake Bay with its Bay Patrol missions. Members working with the U.S. Coast Guard flew about 200 hours from Memorial Day to Labor Day. They assisted Maryland boaters and the state emergency management agency by looking for boaters in distress or hazards to boating safety and by monitoring vital bay infrastructure, including Bay Bridge, shipping lanes and power plants.

In nearby Delaware, aircrews served the State Department of Transportation every day of the year, monitoring and viewing traffic conditions across the state and providing an "eye in the sky" for high-attendance events like NASCAR races.

One Millionth War on Terror Sortie

Above Washington, D.C., a CAP aircrew took part in a mock intercept that helped commemorate the Air Force's millionth sortie flown in support of the Global War on Terror.

The Air Force began flying the sorties immediately following the Sept. 11, 2001, terrorist attacks.

Hurricanes Strike U.S. Shores

While CAP members were conducting homeland security missions, others were helping communities rebound from natural disasters, like September's Hurricane Gustav and Ike.

For Ike alone, hundreds of CAP members provided more than 18,700 man-hours working ground and air missions. Aircrews took more than 40,000 high-definition photographs during 350 flights to document more than \$5



In June, Sen. Tom Harkin, left, and Sen. Chuck Grassley were flown over flood-ravaged Iowa by Civil Air Patrol Capt. Kim Kirschman. Both senators expressed thanks for the flight, which helped them determine the needs of flood victims across the state.

Photo by Capt. Christopher Colvin, Iowa Wing

billion in damage wrought by Ike in east Texas. CAP aircrews also assisted with communications by providing high-tech airborne communications platforms and carrying National Weather Service meteorologists, emergency management personnel and other emergency service providers aloft to assess the damage.

Dozens of Texas Wing members, along with several Arkansas and Oklahoma Wing volunteers, made West Houston Airport mission base a temporary home for weeks.

To the east, the Louisiana Wing was busied by both Ike and Gustav.

For Ike, the wing took aerial photos of damage, especially flooding of bridges and roads, during nearly 50 sorties and more than 80 hours of flight time. For Gustav, aircrews flew 80 sorties and more than 136 hours documenting damage for many agencies, including the Louisiana Department of Health and Hospitals, the Governor's Office of Homeland Security and Emergency Preparedness and the Louisiana Air National Guard.

CAP's Mississippi and Alabama wings also flew 12 and 20 sorties, respectively, and contributed a total of nearly 50 hours of flight time following Gustav's arrival to support local, state and federal agencies.

Before the hurricanes struck, Texas and Louisiana Wing members flew CAP's aircraft to airfields out of harm's way.

Assessing Twister Damage

While hurricanes ravaged coastlines, CAP volunteers in Iowa and several other wings found themselves amid and above tornado damage.

Civil Air Patrol assisted with aerial photography and damage assessment of dozens of twisters that ravaged parts of Alabama, Arkansas, Georgia, Illinois, Indiana, Kentucky, Missouri, Mississippi, New Hampshire, Nevada, Oklahoma, South Dakota, Tennessee, Texas, Virginia and Wisconsin.

CAP members not only shot aerial photography — as



A CAP aircraft flies above the Kennebec River in Maine while helping ensure the safe passage of a U.S. Navy ship in the water below. The escort of Navy ships sailing between Bath Iron Works and the Atlantic Ocean remained a regular mission for aircrews in 2008.

many CAP volunteers did for their county and state emergency management agencies — they also ferried National Weather Service meteorologists to survey the damage and provided photography to weather service offices on the ground.

Fire Watchers in the Sky

CAP's missions in California, Florida, Kansas, Maine, South Dakota, Texas and Virginia also included helping spot forest fires.

In fact, on Eglin Air Force Base in Florida, CAP members spotted fires almost year-round from Cessna aircraft, then radioed coordinates to Eglin AFB officials on the ground, saving the base the \$600 to \$1,100 per flying hour it would have cost a private company to fly helicopters.

In Texas and South Dakota, CAP provided similar value to agencies there.

In South Dakota, where thunderstorms start a majority

of the blazes, CAP members flew state firefighters, who directed retardant-carrying aircraft to the fires.

On Texas prairies and in Maine, CAP members went aloft for wildfire sighting missions. And in the Virginia Wing's largest mission ever, CAP made significant contributions over 26 days helping the National Interagency Fire Center combat a fire in the state's Great Dismal Swamp. CAP volunteers flew eight Cessna aircraft on 174 sorties and a total of 440 hours. Seventy-five CAP members participated in the mission either in the air or as ground-based command center volunteers.

Damaging Deluges and Drought

Mother Nature didn't have to be as mighty as a hurricane or tornado to wreak havoc.

As rivers across the country overflowed and flooded homes, CAP volunteers in at least 14 wings soared hundreds of hours in Cessna 182 Skylanes to fly emergency managers above rivers and to shoot aerial photographs for state and local agencies.

The missions included surveys of river flooding and landslides in Colorado and missions in Arkansas in which

state officials were flown over imperiled rice fields. In Iowa, CAP flew U.S. Sens. Tom Harkin and Chuck Grassley to provide them a clear understanding of the massive extent of the damage in their state.

In Alabama, aircrews answered a request from Gov. Bob Riley to document water shortages around lakes Martin and Jordan. CAP flew six sorties, soaring above the lakes to take aerial photography before a meeting between state officials and the U.S. Army Corps of Engineers.

Search and Rescue

Each year CAP receives extensive publicity nationwide for its search and rescue missions, and this year was no exception. The Air Force Rescue and Coordination Center credited CAP with saving 91 lives in 2008.

In Florida, a CAP aircrew located a pilot and three passengers whose helicopter crashed near the Florida Keys.

"Thank you. You don't know how happy I am to be home with my five children and my wife, who had the worst evening of her life," wrote pilot Christian Rodriguez in an e-mail to Capt. Gilbert Dembeck, a Florida Wing member who served as mission observer on the flight that located the chopper's crew.

In Colorado, CAP aircrews spotted a missing couple

National Weather Service meteorologists Patrick Blood, left, and Steve Piltz, right, stand with CAP Capt. Steve Hundley, second from left, and Maj. George Hoyt at Ellington Field in Houston before launching a flight above damage in Texas caused by Hurricane Ike. NWS scientists flew in CAP aircraft on many missions throughout the year, especially following tornadoes. Above, CAP chaplains like Great Lakes Region Chaplain Lt. Col. J. Delano Ellis II are part of the largest volunteer chaplaincy in the U.S.

Photo by Susan Robertson, CAP National Headquarters



who became lost while hiking in the Rocky Mountains; they called in local ground teams to lead the pair to safety. Later in the year, another Colorado aircrew performed a similar mission, finding a third hiker who had lost his way.

And in Pennsylvania, CAP members brought incredible joy and relief to the family of a missing U.S. Marine. Upon a request from Centre County officials, an ARCHER aircrew from CAP's Northeast Region flew over a large area of the county and discovered an anomaly in its data that revealed the Marine's location. Based on CAP's information, the man's family was able to go directly to his location to rescue him.

Hundreds of other CAP members also took part in searches for countless missing aircraft, for a father and son lost in Alaska, a missing tour plane in Hawaii, Alzheimer's patients and many other missing aircraft and people in need. CAP flew more than 4,000 hours and devoted more than 40,000 man-hours to support search and rescue missions in 2008.

Top Aviation Bargain

While CAP volunteers perform at least 90 percent of the continental inland search missions as tasked by AFRCC, its customers, especially the U.S. military, pay a very small fee for the outstanding services CAP provides.

When the Air Force assigns a mission to CAP, it generally costs only about \$130 per flying hour. This compares very favorably to other typical Air Force assets, which cost \$1,600 to \$6,800 per flying hour.

Ground Pounders

With more than 4,600 qualified ground team members and 1,800 qualified ground team leaders, CAP volunteers were prepared to immediately respond to the needs of their communities.

Members performed a variety of ground missions — including searches for overdue aircraft, emergency locator transmitters and missing persons.

Officers and cadets spent countless hours responding to more than 1,800 distress signals from emergency locator transmitters. These devices must be deactivated so first responders can differentiate between real distress signals and false alarms.

In an excellent example of the necessity of ground teams, six Civil Air Patrol cadets in the Nevada Wing rescued an injured



A SEAT (Single Engine Air Tanker) darts ahead of a Civil Air Patrol Cessna aircrew while dropping fire retardant on a wildland fire near Spearfish, S.D. Volunteers in the South Dakota Wing were carrying personnel from the state Wildland Fire Suppression Division in the aircraft, and these firefighters directed the SEAT pilots toward drop areas. Multiple CAP wings were involved in fire-watch and fire-spotting missions across the nation in 2008.

Photo by 2nd Lt. Nick McFarland, South Dakota Wing

hiker whose leg was broken. Their efforts were documented in two stories aired by KTNV, an ABC affiliate in Las Vegas. One story detailed the rescue; in another, the youth were praised by U.S. Sen. Harry Reid, who represents Nevada.

Ground teams also performed other special missions. In Kansas, for instance, volunteers were asked by the American Red Cross on a regular basis to transport blood from Red Cross facilities to hospitals in the state. In addition, CAP members from across the country aided their communities when disasters struck by performing a variety of critical jobs, like filling sandbags, handing out food and water and manning Red Cross shelters.

CAP ground teams were self-supporting, with members footing the expense for their own equipment.

Where the Buffalo Roam

CAP planes weren't always looking for missing people; sometimes they looked for animals.

One mission in the New York Wing involved tracking down two errant American bison. An aircrew spotted the

pair of large, brown buffalo in the woods near their owner's property, then took aerial photos and relayed the coordinates to a ground team.

Throughout the year, CAP members devoted many hours to missions involving animals, some conducted in partnership with universities that track them for research purposes.

Members helped researchers locate and track mute swans in Maryland and radio-marked black bears in both Maryland and West Virginia for state natural resource divisions. Wisconsin Wing aircrews spotted and counted deer for the University of Wisconsin-Stevens Point, and other CAP volunteers helped Arkansas State University scientists track birds called kites.

Meanwhile, South Dakota Wing members conducted flights to locate radio-collared animals — including mountain lions, bobcats, swift foxes and deer — for South Dakota State University.

Protecting the Environment

CAP missions touched the natural world in other significant ways as well.

The Department of Geography and Earth Science Program at Minnesota State University in Mankato requested numerous flights using ARCHER to collect imagery along the Blue Earth River. The goal was to prove that hyperspectral imaging can be a very efficient way to conduct environmental monitoring of hundreds of miles of river corridors.

And in Colorado, the Rocky Mountain Geographic

Science Center in Denver successfully used CAP for the second year in a row to aid in sensing and mapping mountain pine beetle infestation that has killed an abundance of trees and threatens to endanger wildlife in the state.

Chaplain Service

Representing a broad range of faiths, CAP has the largest volunteer chaplaincy in the United States. CAP's Chaplain Service ended the year with 605 chaplains and 360 character development instructors. Collectively, these CAP volunteers provided a wealth of support in meeting the needs of victims and their families following accidents or natural disasters, as well as the needs of not only CAP members but also active duty military, the National Guard and reserves.

They also offered counseling, officiated at weddings and military funerals, visited hospitals, performed chapel services, prayed for soldiers leaving the country, conducted services for soldiers returning from overseas and coordinated and executed drives for supplies to send to deployed troops.

The Coast Guard is seeking to follow the CAP model in establishing its own volunteer chaplain system.

Volunteer Support to the Air Force

CAP members enjoyed a new opportunity to serve in 2008.

The Air Force launched Volunteer Support to the Air Force, a Civil Air Patrol pilot program designed to augment the Air Force's existing resources and to address staff shortages caused by deployments.

Conceived at the highest level of the Air Force by Assistant Secretary of the Air Force for Manpower and Reserve Affairs Craig W. Duehring, the program is initially being offered by the 12th Flying Training Wing at Randolph Air Force Base in Texas, the 88th Air Base Wing at Wright-Patterson Air Force Base in Ohio and the 56th Fighter Wing at Luke AFB in Arizona. Duehring is a former CAP cadet.

WMIRS

CAP's Web Mission Information Reporting System

continues to develop into a very valuable tool for documenting CAP missions.

And not just for CAP. In fact, WMIRS is being viewed by all Department of Defense levels of command, providing increased visibility for the efforts of CAP volunteers all across the nation.

The Air Force in particular keeps track of CAP missions through WMIRS, and it views mission photos like damage assessment imagery in WMIRS as well. The AFNORTH daily Situation Report is automatically generated from the data, with CAP representing a significant portion of the report.

On average, CAP flies 60-80 percent of the scheduled sorties flown by AFNORTH on any given day.

WMIRS also helps CAP leaders carefully manage all flight budgets, and this allows CAP to execute 100 percent of its budget each year. In addition, the electronic reimbursement process in WMIRS helps National Headquarters reimburse CAP wings for their mission expenses in one week or less.

Showing our CAPabilities

CAP's updated "CAPabilities Handbook" is a great resource for all potential emergency services customers. The guide clearly spells out CAP's mission capabilities and identifies whom to contact to request missions.

In addition to providing details about the aircraft CAP aircrews fly, the guide is an excellent resource for potential customers to learn about CAP's services:

- aerial imaging with the ability to quickly transmit high-resolution digital photos within minutes;
- light air transport capability for human blood, tissue or organs and equipment;
- the ability to take law enforcement or other important personnel aloft for visual reconnaissance;
- emergency airlift availability between specific locations;
- aerial reconnaissance of critical infrastructure, such as power plants, gas pipelines and reservoirs;
- hyperspectral imaging for complex or sophisticated target detection;
- ground personnel able to support a wide variety of missions; and
- an extensive nationwide VHF-FM and HF communications network. ■

Friends and family of Terry and Marion Jones greet the couple as they walk out of Roosevelt National Forest in Colorado's Rocky Mountains. The couple survived on mushrooms, berries and rose hips until a CAP aircrew spotted them. Throughout 2008 CAP aircrews and ground teams took part in many other searches for citizens in need.

Photo by R.J. Sangosti, The Denver Post



CAP members fly and maintain a versatile fleet of 550 single-engine aircraft, many equipped with sophisticated Garmin glass cockpit technology and ARCHER systems.

Many CAP aircraft are also equipped with new 406 MHz emergency locator transmitters and the latest in radio equipment needed to communicate easily with ground teams at all times, especially when hurricanes and other disasters strike.

This equipment and technology require CAP's professional development programs to be vast and multifaceted, allowing members' knowledge, skills and expertise to grow while providing optimum service to their communities. Members receive and develop training and tools in their own units as well as at the wing, region and national levels to stay mission-ready and accomplish tasks assigned. For example, 2nd Lt. Guy Loughridge of Colorado, right, uses radar analysis software he developed to assist search and rescue mission planners. Others travel to national-level colleges or seek job-performance support from the CAP Knowledgebase, an online Q&A resource.

Civil Air Patrol's 57,000 professionally trained volunteers and its technologically up-to-date assets are a cost-effective aerial and ground-support resource for emergency services and disaster relief nationwide.

Equipment



Prepared



Technology: Prepared To Serve

Glass-cockpit Capability

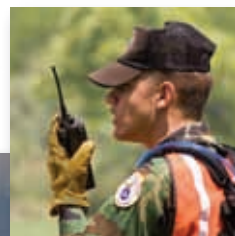
With 118 glass cockpit Cessna 182 Skylanes now in CAP's fleet, more and more CAP aircrews are benefiting from Cessna's state-of-the-art Garmin G1000 flight equipment.

The all-glass, jet-like cockpit with Garmin technology provides more situational awareness for CAP pilots as well as a collision avoidance system, which helps ensure their safety. Many pilots call the G1000, the latest addition to the CAP fleet, the Porsche of small aircraft.

The G1000 system integrates critical flight and navigation data on two 10.4-inch, high-definition screens capable of presenting data in brilliant, sunlight-readable color at wide viewing angles.

Members appreciate the Garmin technology, especially the Wide Area Augmentation System approach capabilities. The WAAS uses a system of satellites and ground stations that provide GPS signal corrections, giving pilots better position accuracy to allow for vertical guidance during nonprecision instrument approaches.

Cessna, through its partnership with Civil Air Patrol, provided on-site training on the G1000 at CAP's annual conference in August. Fifty-three CAP members participated in the two-day training.



Cessna Celebration

A 2008 celebration at Cessna's manufacturing plant in Independence, Kan., highlighted the 11-year partnership between the aircraft manufacturer and CAP. The celebration marked completion of Cessna's 8,000th single-engine delivery from the facility, which opened in 1997.

Civil Air Patrol has the largest fleet of Cessna's aircraft. Its high wing design best serves CAP's emergency services and search and rescue missions.





Aircraft Maintenance

Civil Air Patrol made extraordinary progress in implementing the consolidated aircraft maintenance program in its wings during 2008. With consolidated maintenance, contract facilities are selected through a competitive bid process. The program standardizes and improves maintenance practices, ensures CAP receives the best prices for both parts and labor and reduces the volunteers' workload, allowing them more time to focus on training and real-world missions. Parts and labor data from aircraft inspections or repairs are analyzed to help identify ways to further improve CAP's fleet management capability.

At the end of the year, 43 wings and more than 425 aircraft were enrolled in consolidated maintenance. For wings enrolled in the program, National Headquarters pays maintenance costs directly to the contract repair facility, relieving the wing of the payment burden. Remaining wings will be brought into the consolidated maintenance program during 2009.

Making History

Texas Wing aircrews made CAP history in 2008 with automatic GPS labeling of thousands of photos taken after Hurricane Ike made landfall in September. The high-definition photos were taken with cameras hooked up to GPS

Training is a No. 1 priority in Civil Air Patrol. Training offered at the annual conference in August helped familiarize members with the multifaceted capabilities of Cessna's Garmin technology, designed to assist customers in their transition from traditional aircraft panel gauges to the high-definition color screens of an all-glass, jet-like cockpit. CAP owns 118 Cessnas with Garmin capabilities, including this plane flown by members of the National Capital Wing.

Photo by Maj. Paul Cianciolo, National Capital Wing

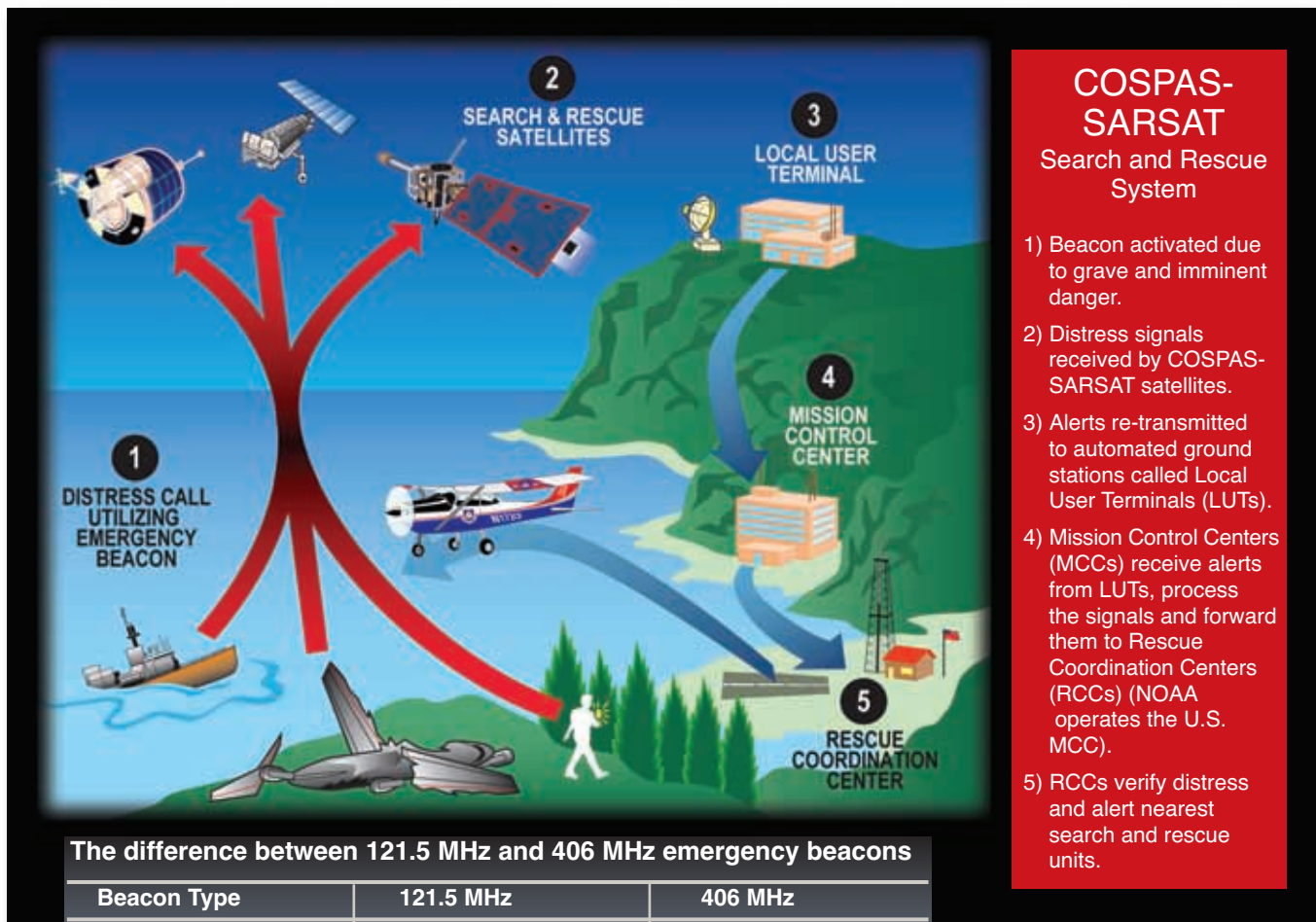


software, which in turn provided coordinates for mapping through Google Earth. Some of the photos, which were also time-stamped, were then posted on WMIRS, which provided a real-time mission tracking source on the aircrews' more than 350 sorties.

The digital photo collection, perhaps the largest ever taken by a civilian organization, was used to define the entire width and length of the more than \$5 billion in damage wrought by the hurricane in east Texas.

First responders used the photos for

More than 200 of Civil Air Patrol's 550 aircraft are now equipped with 406 MHz beacons like this. The new ELTs transmit a stronger, more accurate and verifiable digital signal that can be detected quickly.



COSPAS-SARSAT
Search and Rescue System

- 1) Beacon activated due to grave and imminent danger.
- 2) Distress signals received by COSPAS-SARSAT satellites.
- 3) Alerts re-transmitted to automated ground stations called Local User Terminals (LUTs).
- 4) Mission Control Centers (MCCs) receive alerts from LUTs, process the signals and forward them to Rescue Coordination Centers (RCCs) (NOAA operates the U.S. MCC).
- 5) RCCs verify distress and alert nearest search and rescue units.

The difference between 121.5 MHz and 406 MHz emergency beacons

Beacon Type	121.5 MHz	406 MHz
Beacon Identification	None	Unique ID number
Coverage	Local	Global
Signal Power	0.1 watt	5 watts
Signal Type	Analog	Digital
Alert Time (minimum)	2 hours	Instantaneous
Doppler Location	2 passes	Single pass
GPS Location	None	100 m accuracy

search and rescue, to know where the damage occurred as well as what challenges they faced in getting to the storm-ravaged areas. They provided authorities information on which sites were suitable to be used for recovery operations, and they were used to gauge cleanup efforts.

The photos also will help meteorologists understand hurricanes in the future. By studying them along with other data, models used to predict such factors as wind speed and storm surge can be adjusted.

Some flights were made in CAP aircraft equipped with ARCHER, which has many uses after disasters, like geolocating water contaminants.

Going Digital

Civil Air Patrol readied its aircraft for the switch to 406 MHz frequency, digital emergency locator transmitters in 2008, meeting a Feb. 1, 2009, deadline to phase out the 121.5/243 MHz analog frequency ELTs.

After that date, the international search and rescue satellite system COSPAS-SARSAT will process only signals from the more reliable and stronger 406 MHz frequency, digital ELTs.

CAP took the lead by being one of the first national organizations to install 406 MHz beacons in its aircraft. A multiyear plan is currently being implemented to retrofit all aircraft. More than 200 aircraft are equipped with Becker DF units that can track both the 406 MHz and 121.5/243 beacons. All of CAP's new aircraft come equipped with 406 MHz beacons and Becker DF units.

The Becker DF units, which can pick up the first two 406 MHz beacon frequencies, will be updated to receive all the newly released 406 MHz frequencies in the coming year.

The decision to phase out the 121.5/243 MHz analog distress frequencies was made eight years ago by COSPAS-SARSAT, because the ELTs were unreliable and prone to false alerts. The 406 MHz ELTs have already proven themselves, transmitting a much stronger, more accurate and verifiable digital signal that can be detected quickly.



Texas Wing digital photos — complete with time-stamping and GPS coordinate labels — greatly assisted the relief and recovery efforts following Hurricane Ike, which hit the Gulf Coast in September. The photos, which were posted and mapped on WMIRS, provided a real-time mission tracking source of the more than 350 sorties flown by the wing's aircrews.

Communication Upgrade

Propelled by a federal mandate in 1994 to switch all radios to a new frequency standard, Civil Air Patrol has received millions of dollars of Air Force funding to update its entire inventory of communications equipment.

The \$30 million-plus upgrade includes nearly 6,000 VHF mobile radios and about 2,500 VHF portable radios, as well as 450 land-based VHF repeaters, more than 138 tactical VHF repeaters and more than 10,000 UHF Intra-Squad Radios used by ground teams.

The equipment represents a huge boost for CAP's 20,000 radio operators, who have a critical need to communicate easily at all times, especially when hurricanes and other disasters strike. The change from personally owned radio usage to a corporate system also means CAP can respond on short notice to emergencies in any part of the country with modern interoperable and standardized equipment.

Long-range Radios

After wrapping up the VHF upgrade, CAP has now embarked on a new five-year initiative to invest more than \$14 million in high-frequency single side-band, or HF-SSB, radios. The HF radios will help CAP members communicate even farther. While VHF radios are short range, usually limited to about 50 miles, HF radios provide long-range communications — coast-to-coast and even around the world.

The equipment also has Automatic Link Establishment (ALE) capability, which allows the radio to automatically select the best channel to use from a pool of frequencies. ALE radios are quiet when scanning, making the days of listening for calls filled with static a memory.

CAP's HF acquisitions were upgraded with the purchase of nearly 250 HF-SSB base stations with antennas, power supplies and coaxial cables, 100 HF-SSB mobile radios with

1st Lt. Bryan Holland, mission observer, checks the fuel of a National Capital Wing Cessna 172 Skyhawk during a compliance inspection. Lt. Col. Bruce Heinlein, mission pilot and Mount Vernon Composite Squadron commander, observes the preflight check.
Photo by Maj. Paul Cianciolo, National Capital Wing





CAP members participating in National Staff College at Maxwell Air Force Base, Ala., listen attentively to a presentation on leadership trends by U.S. Air Force Maj. Dan Connelly, director of education and curriculum at Squadron Officer College. Seventy-six members took part in the weeklong course, which helps them earn their Gill Robb Wilson Award and qualifies them for higher leadership positions within CAP.

*Photo by Susan Robertson,
CAP National Headquarters*

automatic antenna couplers and 16-foot whip antennas and 67 HF-SSB Rapid Deployment Packages (RDPs).

An RDP is a complete HF-SSB radio station in a suitcase that can be set up quickly in remote sites in emergencies by using an onboard antenna coupler and a wire antenna. Powered either by 120 volts AC or 12 volts DC, an RDP can be used from a forward operating base with an AC generator or on a picnic table using a 12-volt car battery.

CAP radio operators used RDPs when they assisted the Louisiana Wing after Hurricane Gustav. RDPs helped CAP members there communicate with the CAP National Operations Center at Maxwell Air Force Base, Ala. The impromptu HF/ALE network proved to be very effective during the emergency response.

Property Management

CAP has established effective management systems that account for all allocated equipment, including computers, communications devices, vehicles and unique mission support equipment.

In 2008, CAP began an initiative to consolidate multiple property management functions into a single integrated Web-based property and inventory management system. The new system will provide real-time visibility of equipment location and status, significantly improving accountability for all issued items. The system will also aid in budget construction, since it will provide the capability to forecast equipment life cycles and refresh requirements.

Safety First

Civil Air Patrol completed its first full year of online safety mishap reporting in 2008. National Headquarters, commanders and safety officers received electronic notification of mishaps, and safety mishap and investigation reports were electronically tracked and submitted. The system

streamlined the reporting process and provided CAP leaders with a new tool for identifying mishap trends and accident prevention measures.

Though CAP suffered three aircraft in-flight accidents during fiscal year 2008, one resulting in two fatalities, CAP's accident rate per 100,000 flying hours was 2.84 — less than half that experienced by the general aviation community as a whole. This is significant, because many of CAP's aerial missions are flown in potentially more hazardous environments than typical general aviation flights.

The fatal mishap was followed in December 2007 by a national commander-directed safety stand-down by all units, which were to review the circumstances of this accident and try to determine how to avoid a similar scenario.

One vehicle accident during fiscal year 2008 represented a continued decrease in this area. CAP's fiscal year 2008 vehicle accident rate was 0.299 per 1 million miles driven, compared to 0.600 per 1 million miles in fiscal year 2007.

Most bodily injury mishaps occurred during the high-activity summer months. In response, CAP is instituting programs that stress the use of protective equipment and proper hydration, with special emphasis on risk management for summer activities.

Overall, the entire membership continues to improve its safety-first attitude, which has become an integral part of all CAP activities. Commanders rigidly enforce safety training and have no tolerance for unsafe acts. Also, members were encouraged to recognize, correct and report items or actions that appeared to be hazardous or unsafe.

Professional Development

The weeklong National Staff College gave 76 current and future leaders from across the nation a comprehensive understanding of Civil Air Patrol's rich heritage and the varied challenges facing anyone in a position of responsibility.



The course, which prepares members for leadership roles within CAP, fostered the students' development from volunteers highly skilled in their areas of expertise to ones primed for executive-level leadership in a volunteer organization evolving to meet the needs of 21st-century America.

NSC, which is held annually at National Headquarters at Maxwell Air Force Base, Ala., is a requirement for earning the Gill Robb Wilson Award, CAP's highest award for professional development.

Seventeen senior members of high command also participated in the Wing Commander Course at National Headquarters. The multilayered instruction included lectures on exercising leadership, understanding how to interact with wing members in a positive way and appreciating the importance of integrity in decision-making. It is designed to help commanders make the transition from lower-echelon command to the executive level and to understand their strategic roles as members of the CAP National Board, a key CAP governing body.

Annual Conference

In addition to NSC and WCC, leadership training opportunities were offered at CAP's annual conference in Kissimmee, Fla. About 600 members attended the conference, where they had the opportunity to choose from 54 learning labs covering topics ranging from chaplain services and drug demand reduction to fleet management and safety. The event also included recognition of Cadet Col. Jake Reed of the Maryland Wing, CAP's Cadet of the Year, and Lt. Col. John McGaha of the Delaware Wing, Senior Member of the Year.

CAP augmented its on-site training opportunities with e-Learning, a strategy that provides standardized, individual and group learning electronically. E-Learning initiatives enhance current courses through online lessons that feature individual training modules, job performance support and feedback, online testing and certification and on-demand surveys and polling.

Quality Assurance

The national inspector general directs a program of complaint resolution and quality assurance at all levels in Civil Air Patrol.

The CAP IG program provides a means to resolve complaints and investigate issues uncovered by audits or raised by CAP members related to fraud, waste, abuse

and violations of policies or directives, including abuse of authority, cadet protection and misconduct.

Active-duty U.S. Air Force personnel work in partnership with CAP's national inspector general to conduct quality assurance assessments of each of the 52 wings once every four years.

Records, assets and equipment are reviewed by a joint inspection team to ensure compliance with CAP rules and regulations, as well as governing directives of the Department of Defense, Federal Aviation Administration, Federal Communications Commission and other governmental agencies.



Sr. Mbr. Elsie Lam of the California Wing's Jon E. Kramer Composite Squadron grins proudly after wrapping up her first flight as a scanner trainee. Professional development is an important aspect of CAP membership.

Photo by Maj. Alice Mansell, California Wing

Additionally, the eight region and 52 wing inspectors general provide oversight for the Subordinate Unit Inspection Program within the wings, which assesses all 1,500 local units every three years.

A weeklong IG college offered every other year empowers members to effectively implement this wide-reaching program. Such a college was held in June at Kirtland Air Force Base, N.M. Also, one- and two-day IG training programs are conducted regularly at numerous locations across the country. The training is developed, updated and presented by the national IG staff to maintain program effectiveness and continuity. ■

Civil Air Patrol's Cadet Program gives youth 12 to 20 years of age a strong foundation upon which to build their lives. With a focus on the core values of integrity, community service, excellence and respect, the program's multistep curriculum promotes positive character traits designed to groom participants' leadership skills. Such traits reap dividends for cadets like Hila Levy, right, an honors graduate of the U.S. Air Force Academy and CAP's first Rhodes scholar.

CAP cadets flourish in a variety of settings: on the flight line ready to go aloft, in the field using their search and rescue skills, in hands-on activities exploring a variety of career opportunities as part of CAP's summer programs, under the glare of inspection during color and drill competitions and in their communities serving as shining examples of the program's leadership training.

The Cadet Program provides goal-oriented youth with the peer encouragement they may not find elsewhere, giving them a boost as they climb the ladder to success. Cadets advance from following orders to assuming leadership roles. Along the way, they learn valuable people and team-building skills that will help them in their careers and their personal lives.

As cadets progress through the program, they earn awards named after aerospace and CAP pioneers. They also gain rank, from cadet airman basic up to colonel.

In 2008, more than 21,000 youth enhanced their lives through the CAP Cadet Program.

What do two Air Force Thunderbirds, an astronaut and many other civic, industry and military leaders have in common? They all were once Civil Air Patrol cadets.

Youth Programs

Leadership





Cadet Programs: Nurturing the Next Generation of Leaders

Taking Action

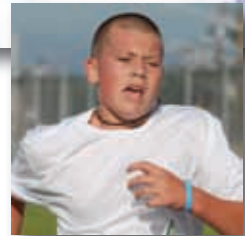
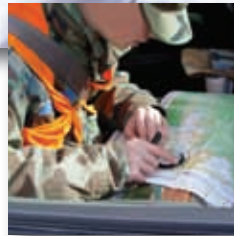
Cadet activities provide youth with local, state, national and even international opportunities to learn new skills.

Encampments offered at the region and wing levels give cadets a taste of life away from home as they learn about citizenship, aerospace subjects, military courtesies and teamwork.

The cadet flight orientation program encourages youths' aviation dreams through hands-on flights in single-engine aircraft and gliders, spurring many cadets to obtain their private pilot licenses. CAP flew 13,555 orientation flights in 2008.

Cadet Officer School, the premier leadership activity for cadets, drew 120 youth from across the nation this year. Cadets benefited from a combination of hands-on instruction, team-building exercises and seminars in leadership dynamics.

Through Civic Leadership Academy, an elite youth leadership activity, 24 top civic-minded cadets thoroughly examined the nation's government in action in Washington, D.C., gaining a better understanding of the dedication, sacrifice and



leadership needed to shape the nation. Participants visit the Supreme Court, FBI, State Department, CIA, the halls of Congress, national memorials and Arlington National Cemetery. More than just a sightseeing tour, these on-site activities are augmented by supporting educational materials, the insights of guest lecturers from governmental agencies, group discussions and other interactive methods.



Maj. Craig Winkelmann of the Florida Wing goes through the preflight checklist with Cadet Airman Anthony Jamas before his first orientation flight. Many youth pursue a private pilot license with help from CAP.

Photo by 1st Lt. Jackie Zarrilli, Florida Wing

CLA cadets also present what they have learned to cadets in their home squadrons as part of a final class project.

CAP cadets often go on to serve the nation in military leadership roles. Both service academies and ROTC programs look favorably on CAP experience when selecting cadets. Approximately 10 percent of the U.S. Air Force Academy cadet corps consists of current or former CAP cadets. In addition, cadets who earn the Gen. Billy Mitchell Award can enlist in the Air Force at an advanced grade (E-3).

More than \$200,000 in scholarships are available for flight and academics for cadets and senior members through partnerships and CAP corporate funds. CAP volunteerism also counts as service for many scholarships that require community involvement.

Summer Programs

CAP sponsored 36 National Cadet Special Activities in 2008, with 1,064 cadets participating. Activities covered a broad spectrum of interests, including search and rescue, flight, emergency services, science, leadership fundamentals, citizenship, military courtesies, weather and aerospace technology.

A new activity this year, Evergreen Aviation Academy provided cadets who want to explore career opportunities in the business side of aviation with a look at Evergreen International Aviation Inc.'s worldwide opera-

tions, including business decisions, aviation business planning, heavy aircraft maintenance and helicopter operations. The course was held at the Evergreen Aviation Museum in McMinnville, Ore. In 2009, the museum will be the site of the Evergreen Wilderness Academy, which will teach wilderness survival skills.

Perfection and poise were again on display at the National Cadet Competition in Dayton, Ohio, which



Cadet Officer School offers cadets diverse ways of learning about teamwork and leadership.

Photo by Susan Robertson, CAP National Headquarters



drew 150 teenagers representing their regions in premier color guard and drill team competition. The event included tests of physical skill, teamwork and attention to detail.

National Blue Beret drew 128 CAP cadets representing 38 wings, accompanied by 41 senior members, to the world's largest air show, the Experimental Aircraft Association's Airventure in Oshkosh, Wis. This year's EAA event attracted aviation enthusiasts from 75 countries and record crowds. CAP cadets pitched in by marshalling aircraft and locating and silencing emergency locator transmitters. In addition, cadets gained an insider's view of the aviation industry through informal discussions with aviation professionals and pioneers.

The International Air Cadet Exchange gave about 70 CAP cadets and 16 escorts an opportunity to serve as ambassadors by visiting participating countries and promoting international friendship and understanding through a common focus on aviation. Cadets were selected to visit Australia, Belgium, Canada, Germany, Hong Kong, Japan, New Zealand, Singapore, Turkey or the United Kingdom. Hundreds of CAP members from 14 CAP wings also hosted foreign teens visiting the U.S., and members participated in aviation-related events alongside them. In addition

to these countries, cadets from Israel and Ghana will participate in the U.S. phase of IACE next year.

IACE is conducted by the International Air Cadet Exchange Association, a league of 19 air cadet organizations. CAP has sponsored cadet participation in the program since 1948.

The National Emergency Services Academy, held annually at Camp Atterbury in Edinburgh, Ind., offers cadets and senior members intensive, hands-on training in emergency services. The academy is divided into 13 courses focusing on different aspects of emergency services. Although most cadets participate in National Ground Search and Rescue School, those 15 or older can attend Incident Command System School. Those over 18 can also participate in mission aircraft school.

The Honor Guard Academy provides leadership training for cadets, enabling them to promote the CAP Honor Guard Program to their unit, wing and region. CAP honor guards are sought-after teams that often perform in ceremonies where the U.S. flag is displayed, such as parades, funerals and sporting events.

Open to both cadets and senior members, CAP's Hawk Mountain Search and Rescue School in Kempton, Pa., has a proud history of providing outstanding search and rescue and emergency services training while emphasizing leadership and character development. The physically demanding coursework is conducted in the mountains of east-central Pennsylvania under mission-field conditions. Curricula include navigation, search

While gaining an in-depth perspective on how the nation's leadership works through Civic Leadership Academy, an elite CAP youth program, cadets met with Vice President Joseph R. Biden Jr., then a U.S. senator, as part of Legislative Day in March 2008.

Photo by Susan Robertson, CAP National Headquarters



techniques and equipment, communication skills, campsite selection and equipment, first aid, patient evacuation, specialized equipment, health and nutrition and survival skills.

Mentorship and Resources

CAP supports the efforts of adult members who have the desire to help nurture tomorrow's leaders.

Required Staff Training helps leaders learn how to create an effective, positive and rewarding training atmosphere for cadet activities. Staff members, cadets and seniors complete RST each time they participate in a cadet activity lasting four nights or longer.

Training Leaders of Cadets, an optional two-day course hosted at the CAP group level or higher, gives adult members who implement the Cadet Program the strong background they need to be effective mentors and leaders. Updated in 2008, the training provides a strategic view of the Cadet Program, leadership skills for helping youth achieve their goals and keys to managing a successful program.

Other resources include the "Wing Director of Cadet Programs Smartbook," a textbook for directors on how to conduct a successful program. Online resources include Crosstalk, a collection of best practices submitted by Cadet Program practitioners, downloadable lesson plans and comprehensive training resources. A new resource, Cadet Great Start, presents a step-by-step plan on how to welcome and encourage the development of fledgling cadets.

New to the Cadet Program in 2008 was the Cadet Promotions Application, an online system that helps local leaders track the progress of their cadets via a secure Web database. In addition, the new leadership curriculum, "Learn to Lead," was launched this year, with Module 1, "Personal Leadership," now in field tests. Additional leadership activities will be published this fall.

CAP also provides orientation flights for the Air Force Junior ROTC. Currently, 25 CAP wings and 112 Air Force Junior ROTC detachments are participating in this program.



The National Emergency Services Academy trains cadets in many aspects of ground team skills, including navigation and first aid.

Drug Demand Reduction

The CAP Drug Demand Reduction program instills a positive, drug-free attitude in CAP members, Air Force families, Department of Defense civilians and school-aged children through drug awareness lessons and activities. Nearly 500 DDR officers spread the hard facts on the personal, professional and social impact of illegal drugs, alcohol and tobacco, as well as the abuse of prescription and over-the-counter drugs.

As staunch supporters of the President's National Drug Control Strategy's first priority — "Stopping Drug Use Before It Starts" — more than 456 squadrons promoted the program by distributing DDR literature and supporting community activities this year, up 10 percent from the previous year. In addition, more than 7,800 cadets participated in DDR activities, a 15 percent increase from 2007, making CAP a leading force in America's drug demand reduction strategy.

Resources available include 20 famous flyers' biographies inspiring youth through positive role models, as well as a variety of online resources, such as trivia games, computer presentations, informational brochures and videos.

The CAP DDR program also continued its efforts to reduce the demand for illegal drugs in America through participation in the National Red Ribbon Week campaign. Partnering with military, school, church and community leaders, CAP assisted the National Family Partnership by sharing the drug-free message and distributing hundreds of red ribbons. ■



The pinnacle cadet experience — National Cadet Competition — gives cadets a chance to display poise and perfection on a grand scale.

CAP's Aerospace Education Program fuels the dreams of those who reach for the stars — people like astronaut Eric Boe, right. A current member and former cadet, Air Force Col. Boe voyaged into space in November 2008 aboard the Space Shuttle Endeavour in support of the International Space Station. He is just one of a legion of former cadets and current members pursuing aviation and space careers who were inspired to reach new heights by CAP.

A vital component of the cadet program, AE also provides youth in America's classrooms real-world applications for math and science and gives aviation-minded students opportunities for career exploration as astronauts, pilots, engineers and scientists.

The Aerospace Education Program, a congressionally mandated mission, ignites the boundless imagination of the next generation of leaders while educating the public on the important role of aerospace in America's past, present and future.

Aerospace Education



Mentoring



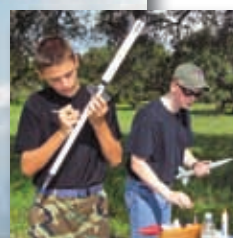
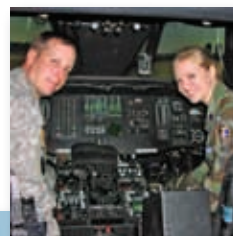
Aerospace Education: Reaching New Heights

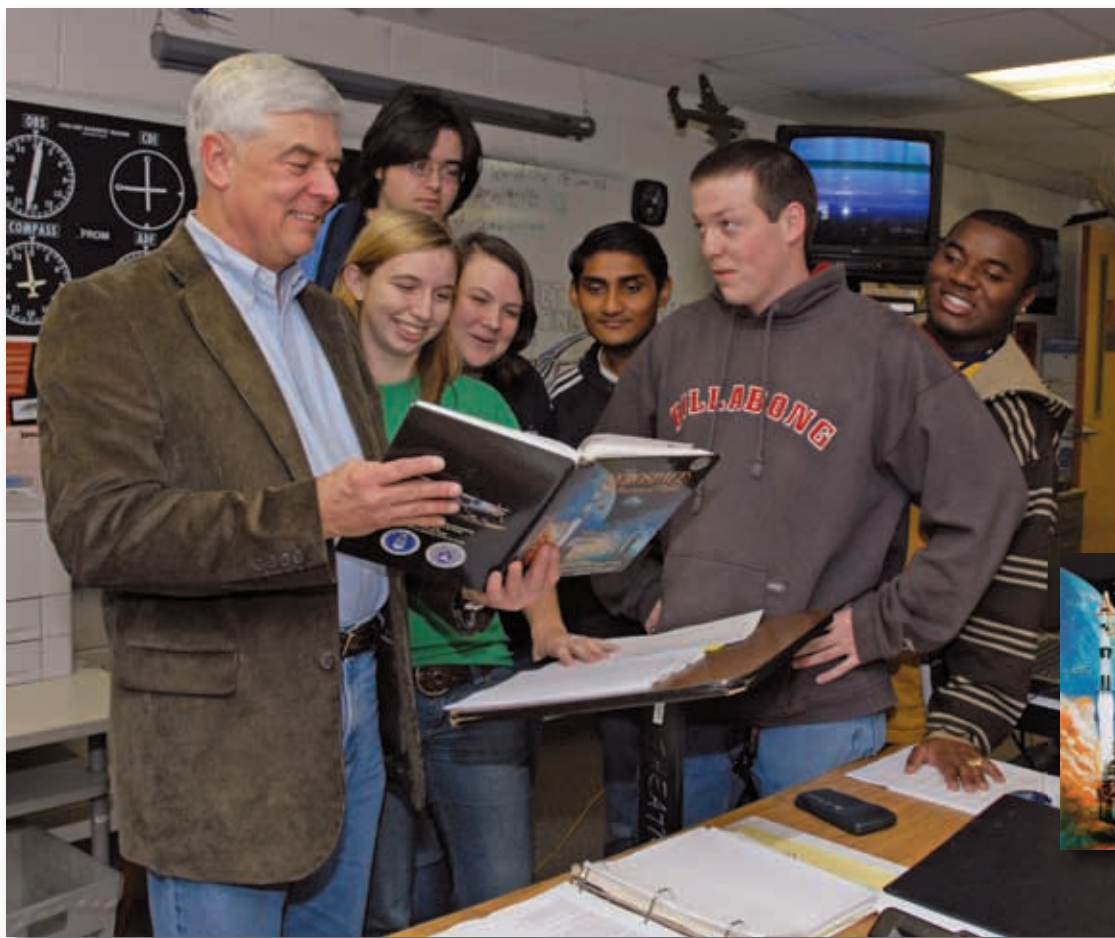
In Classrooms ... and Beyond

CAP's Aerospace Education Members (teacher members) awaken interest in aviation and space through CAP's free or low-priced educational materials that are specifically designed to strengthen students' math and science skills. The program is led by 1,500 AEMs nationwide, up from 1,200 last year.

The "Making Aerospace Real for Students" program — which consists of curricula, classroom materials, online resources, grants and training, as well as mentorship for educators at aerospace education workshops throughout the country — is the backbone of CAP's AE program.

AEMs may also participate in the Fly-A-Teacher program, which builds enthusiasm for AE through firsthand knowledge. In 2008, CAP pilots flew approximately 150 hours in support of the Fly-A-Teacher





With support from Civil Air Patrol's comprehensive textbook on aviation and aerospace, "Aerospace: The Journey of Flight," retired Air Force Col. Brent Smith's class is a hands-on and popular place for his students in Montgomery, Ala.



program, and more than 250 teachers took to the skies.

Other resources include the Aerospace Excellence Award program. Free to members, AEX features five volumes of full-color activity books with more than 20 national standards-based aerospace hands-on activities in each volume. In 2008, 830 CAP volunteers reached 25,000 young people through this program.

CAP's aerospace textbook, "Aerospace: The Journey of Flight," is a comprehensive 675-page, 27-chapter, full-color text used by high schools and colleges, as well as CAP cadets and senior members. This textbook is complemented by more than 20 additional national academic standards-based aerospace products that address STEM (Science, Technology, Engineering and Math) initiatives.

Aerospace Connections in Education, an exciting prototype program for children in kindergarten through sixth grade, emphasizes aerospace education, character development and physical fitness. More than 300 AEMs and 7,000 students at 29 sites across the nation are participating in this dynamic aerospace enrichment program.

Some 67 middle and high schools serve the needs of 1,800 cadets participating in CAP's School Cadet Program. Improved attendance, attitude and achievement are seen as direct results of this program, which can be implemented as either an in-school course or after-school enrichment program. A more diverse cadet population, easier

access to and better attendance at squadron meetings and more concentrated aerospace instruction are benefits of the school cadet squadrons.

CAP's Aerospace Education Officers promote aerospace education within CAP and to students and educators. Here, Capt. Mordechai Levin coaches Civil Air Patrol cadets during an International Space Station/Johnson Control Center simulator mission sponsored by the Masterflight Foundation at the Challenger Center in Woodstock, Ill.





Hannah Kim waits with her second-grade classmates to toss her blue boomerang to mark the national liftoff of Civil Air Patrol's new Aerospace Connections in Education program in Jacksonville, Fla. ACE is designed to motivate K-6 students through aerospace awareness and careers.

Boosting Cadets

In order for the more than 21,000 CAP cadets to progress in rank, they learn aerospace education concepts along with leadership and citizenship skills. In addition to a multitude of unit-level aerospace activities, CAP offers more than 10 national-level summer courses that explore aerospace careers. Courses include the Aircraft Manufacturing & Maintenance Academy, National Powered Flight Academy and National Glider Flight Academy.

The Satellite Tool Kit software used for land, sea, air and space analysis boosts members' knowledge by giving them insight into space and satellite orbits. The software, also used by thousands of national security and space professionals worldwide, was donated to CAP by the developer, Analytical Graphics Inc., which assists members with valuable hands-on training in the software's use. Beyond squadron use, the tool kit brings classroom activities to life for CAP's teacher members, who use this software for real-world activities, such as tracking the orbit of the International Space Station. The software is also used at the annual Aerospace Education Academy in Oshkosh, Wis.

CAP's model rocketry achievement program fuels the ambition of cadets interested in the science, technology and flight of model rockets. The program features a guide that begins with simple models and challenges cadets with progressively more difficult designs. Cadets are tested at each stage of the program, and they earn a rocket badge upon successful completion.

Soaring through Scholarships

Flight academy graduates can earn Daedalian Flight Scholarships of up to \$2,100 from the Order of Daedalians, a fraternal organization of U.S. military aviators. Cadets



The Aerospace Education Program helps launch the lofty aspirations of Civil Air Patrol cadets seeking to soar to new heights.

and adult members who want to complete their flight training can earn a scholarship made possible through a partnership with the Aircraft Owners and Pilots Association. Four \$2,500 scholarships are awarded annually to two adult members and two cadets. And Spartan College of Aeronautics and Technology in Tulsa, Okla., provides an annual full-tuition scholarship valued at about \$35,000 for technology studies, an annual partial-tuition scholarship valued at about \$10,000 for flight studies and eight annual tuition-reduced scholarships valued at \$5,000 apiece. The college also offers a one-time \$1,000 tuition-reduction scholarship to every cadet in good standing who enrolls.

In addition, more than 30 supporting organizations — such as the Air Force Association, the Experimental Aircraft Association and the Federal Aviation Administration — make it possible for cadets, educators, senior members and students to be enriched by a wealth of aerospace-related activities, scholarships and other opportunities.

Partnerships with like-minded organizations boost

CAP's aerospace education outreach. This year, the Air Force Association helped sponsor the aerospace education memberships of more than 70 educators. AFA also distributed a total of \$20,000 in grants for 40 educators to promote aerospace education in schools, reaching more than 14,000 students, and for 40 CAP units, enriching the aerospace education experience of more than 1,800 cadets.

Aerospace Education Officers

The Aerospace Education Program is guided at the grassroots level by unit, wing and region Aerospace Education Officers. These AEOs are senior members who are responsible for promoting aerospace education within CAP and to external audiences such as students and educators. They are supported by National Headquarters with guidance, downloadable resources, free and low-cost curricula, monthly E-news updates and a bi-monthly newsletter.

AEOs are also aided through training and networking opportunities offered through annual Aerospace Education Officer schools. These professional development opportunities provide officers with additional resources, support and ideas. This year, 45 AEOs representing the region, wing, group and squadron levels attended the 2008 AEO School at Pensacola Naval Air Station, Fla., and 30 attended the one held in Seattle.

In addition, through activities conducted at the CAP annual conference, members experienced the fun of hands-on aerospace activities while gaining useful information to share in classrooms and squadrons. These activities included a preconference workshop, a Satellite Tool Kit learning lab and a space shuttle docking activity, in which participants simulated docking the space shuttle at the International Space Station. ■

Civil Air Patrol's Fly-A-Teacher program offers Aerospace Education Members like Liz Hill of Bear Exploration Center in Montgomery, Ala., the opportunity to take their classroom instruction to the next level.



More than 7,200 stories about Civil Air Patrol's 2008 missions were published by the print, broadcast and electronic media in such high-visibility venues as NBC News, CNN, the Discovery Channel, *The New York Times*, *The Washington Post*, *USA Today*, *Newsday*, *National Geographic* and *Air & Space Magazine*.

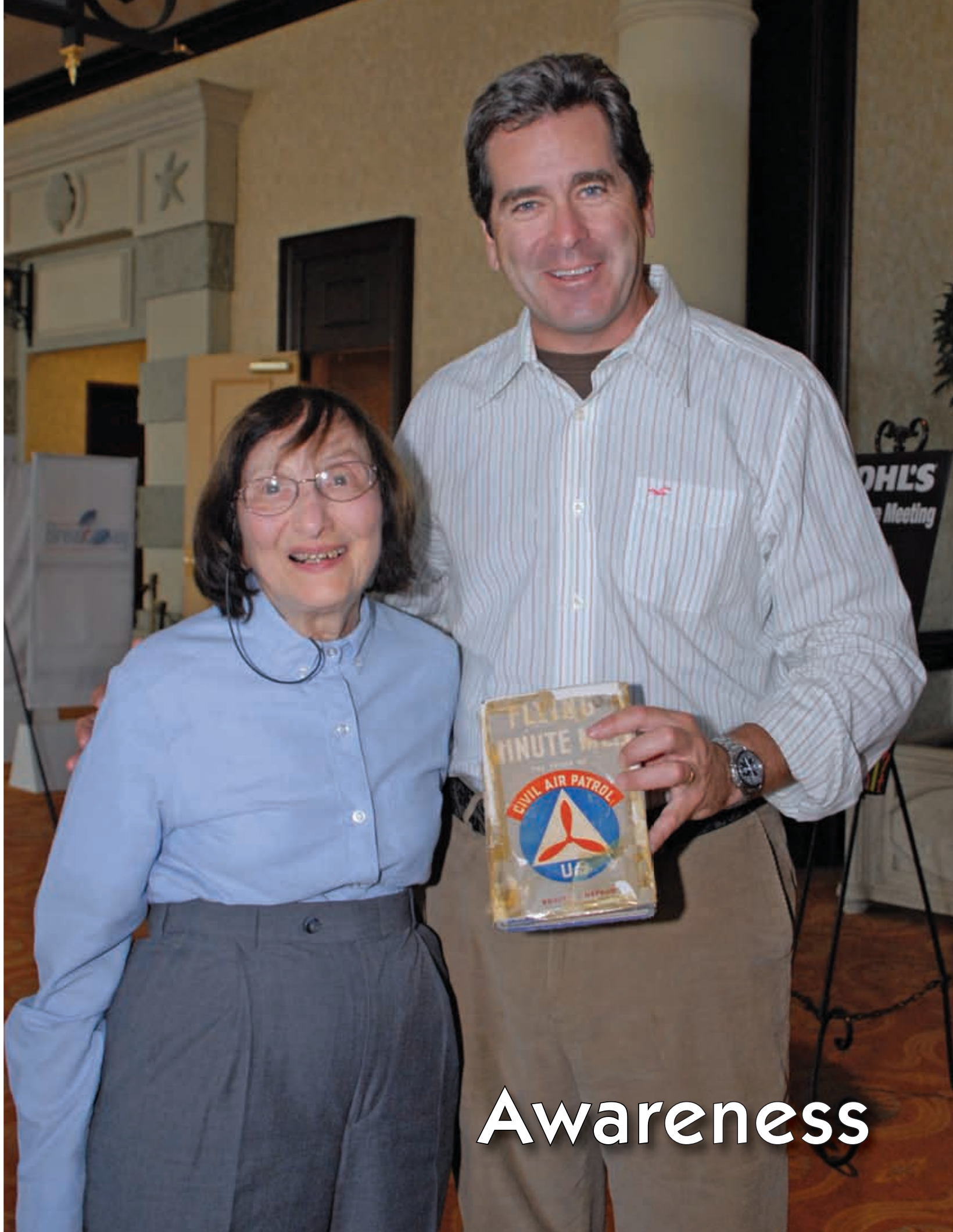
That visibility, coupled with the all-volunteer organization's internal and external public awareness, communications and public relations initiatives, kept CAP in the spotlight.

CAP's public affairs officers honed their skills during the 2008 PAO Academy, where they heard from CNN's Miles O'Brien, pictured at right with Lt. Col. Carolyn Guertin of the Virginia Wing.

Throughout the year, CAP News Online and *Civil Air Patrol Volunteer* magazine complemented media coverage by ensuring members' success stories — bolstered by the organization's national award winners — remained in full view, both internally and externally.

Civil Air Patrol's legacy of dedicated service to America was front and center throughout 2008 as CAP wings embarked on high-profile missions.

Awareness
Public



Awareness



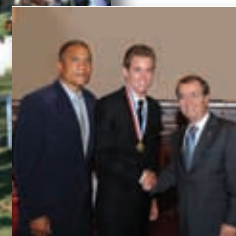
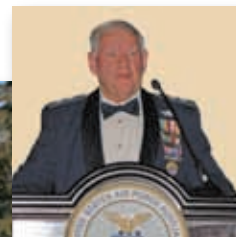
Public Outreach: Initiatives Define CAP's Identity

Notable Members

In summer 2008, 40-year CAP member Lt. Col. Paul Salos of the Texas Wing's Plano Mustangs Composite Squadron brought national attention to CAP. The New York native sang his heart out on the NBC show "America's Got Talent," making it into the top 10 by impersonating legendary crooner Frank Sinatra.

An entertainer for more than 50 years, Salos outperformed 300,000 people who auditioned to land a spot on the summer's No. 1 show, which had a weekly audience of 10 million. His "America's Got Talent" appearances ended shortly before his 72nd birthday on Sept. 23, as he fell just short of the votes needed to continue in the top five.

He was instrumental in having the show feature a clip of himself and other CAP members aboard a Gippsland Airvan in support of the organization's





Hurricane Katrina missions in 2005. The segment aired before one of his last performances on the show.

National attention also came to Civil Air Patrol through former Brockton, Mass., squadron commander Maj. Wayne Field, who was featured on a special Cheerios box honoring champion disabled athletes in 2008.

Field, a World War II combat-wounded Army veteran from Colorado Springs, Colo., won five gold swimming medals in the 2007 National Veterans Wheelchair Games. He was one of 12 gold medal winners featured on the cereal box, which promoted the '08 Games in Omaha, Neb.

Another CAP member excelled in his pursuit of speed in 2008. In January, Capt. Peter G. Baker of the Florida Wing and his co-pilot, David Corey, flew their homebuilt Questair Venture from St. Simons Island off the Georgia coast to San Diego in record time, touching down just 9 ½ hours after takeoff. Baker and Corey broke the 2000 transcontinental east-west record with a speed of 224.13 mph.

Award Winners

Fame also found CAP members in more traditional ways.

At the annual conference in August, aviation pioneer Col. Mary Feik of the Maryland Wing was presented with CAP's Lifetime Membership Award, one of the highest awards given to longtime volunteers.

At 84 years of age, Feik still travels across the country giving inspirational and educational talks for Civil Air Patrol about her history-making career as an airplane master mechanic.

Feik has been named one of the 100 most influential women in aviation and aerospace over the past century, and she is included in a NASA poster celebrating women in aerospace.

The Lifetime Membership Award came less than a year after Feik was presented with the National Aeronautic Association's Frank G. Brewer trophy in recognition of her more than 65 years of personal and professional dedication to aviation education as a teacher, mentor, innovator, pilot, engineer and leader of America's youth.

Top left, opposite page, CAP Maj. Edward Patrick Rohan, left, is recognized as a recipient of the Chapel of the Four Chaplains Legion of Honor Award. Clockwise, from top right, are Air Force Maj. and former CAP cadet Nicole Malachowski, an inductee into the Women in Aviation International's Pioneer Hall of Fame; CAP Maj. Gen. Richard L. Bowling, an inductee into the Civil Air Patrol Hall of Honor; and Cadet Sr. Master Sgt. Kyle Fittle, center, one of two CAP cadets to receive a Congressional Gold Medal. At left, CAP National Commander Maj. Gen. Amy S. Courter is interviewed by NBC News during 2008 Wreaths Across America ceremonies at Arlington National Cemetery. Top right, CAP Lt. Col. Paul Salos, a Frank Sinatra impersonator, performs on "America's Got Talent."

Former National Commander Maj. Gen. Richard L. Bowling also was honored at the annual conference, becoming only the 33rd person inducted into the Civil Air Patrol Hall of Honor.

Bowling was honored for more than 40 years of sustained, outstanding service to CAP. He was the organization's commanding general from August 2001 to August 2004, with responsibility for development, implementation and execution of the congressionally chartered missions of emergency services, aerospace education and cadet programs. Two of his most noted accomplishments were improving CAP's relationship with the Air Force and enhancing CAP technology.

Also at the annual conference, 1st Air Force Commander Maj. Gen. Hank Morrow presented the 2008 AFNORTH Commander's Award to three Oregon Wing members — Capt. Scott Bakker, Capt. Tom Moore and 1st Lt. James Metcalfe — for their rescue of a pilot who crash-landed his plane in the Cascade Mountains in southwest Oregon.

Rhodes Scholar

The 2004 Civil Air Patrol National Cadet of the Year, former Cadet Col. and now Air Force 2nd Lt. Hila Levy, became the first CAP cadet to be awarded a Rhodes scholarship. She will use the scholarship to pursue a three-year advanced research (Ph.D. equivalent) degree in public health.

Levy graduated from the U.S. Air Force Academy in May with highest honors. She finished as the top graduate, earning the Outstanding Cadet in the Order of Graduation Award and a spot on the academy's 100-year Honor Roll.

Another former CAP cadet, Air Force Maj. Nicole Malachowski, was inducted into the Women in Aviation International's Pioneer Hall of Fame in 2008.

The former Nevada Wing cadet, who became the first woman to fly as part of a U.S. military flight demonstration team, ended her tour with the Air Force Thunderbirds as the team's No. 3 right wing pilot. She was inducted into the Pioneer Hall of Fame in March during the 19th Annual International Women in Aviation Conference at San Diego Air and Space Museum.

The late CAP Col. Randolph Battle was inducted into the South Carolina Aviation Association's Hall of Fame in 2008. Battle's lifetime commitment to aviation and public service included a 60-year career in aviation. He served as CAP's South Carolina Wing commander and as an adviser to the Middle East Region commander.

The Illinois Wing's Capt. Mordechai Levin was honored with the Hispanic Engineer National Achievement Awards Conference (HENAAC) Luminary Award. Levin

was recognized by HENAAC, a nonprofit organization devoted to raising the profile of science, technology, engineering and mathematics among Hispanics, for his contributions to the Hispanic technical community as a leader and role model.

Earlier in the year, Levin was the recipient of the Barry M. Goldwater Educator of the Year Award from the American Institute of Aeronautics and Astronautics. The award honored Levin for “a lifetime commitment to ... increasing access to aerospace education and careers for women and diverse populations” through his active involvement teaching young CAP cadets, conducting CAP orientation flights, being a check flight examiner for the Illinois Wing and leading flight instruction and aerospace education laboratories in his home state.

Maj. Edward Patrick Rohan, the New Jersey Wing’s moral leadership officer, received the Chapel of the Four Chaplains Legion of Honor Award in a ceremony hosted by the Marine Corps League in September.

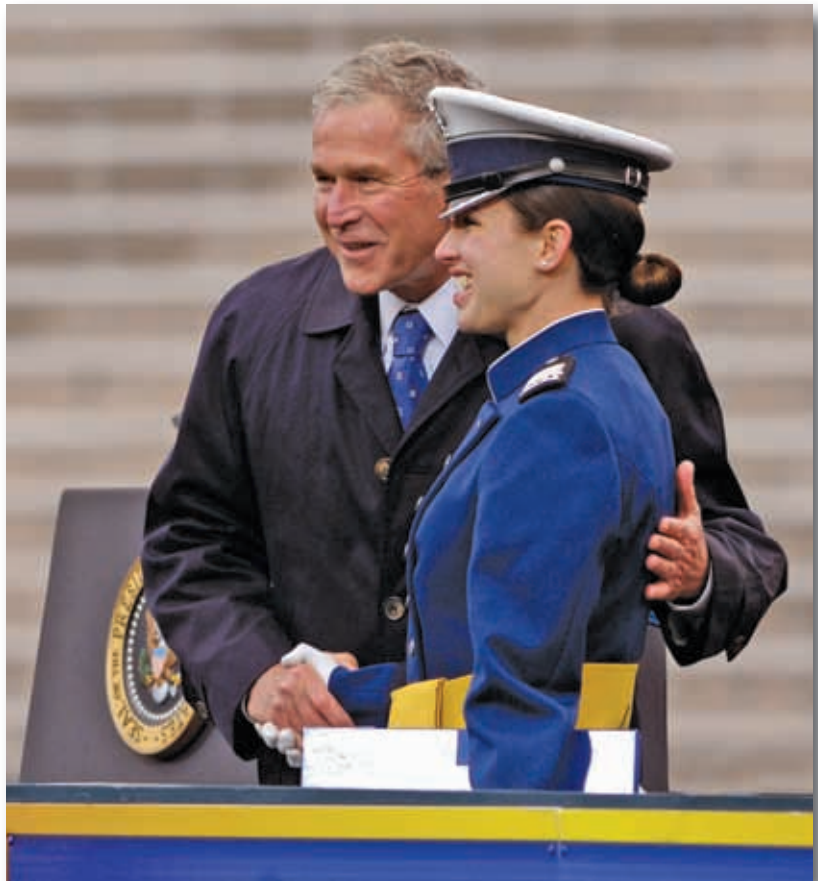
As a Legion of Honor Award recipient, Rohan joins other luminaries, like Presidents Harry S. Truman, Dwight D. Eisenhower and Ronald Reagan, entertainer Bob Hope and U.S. Rep. Shirley Chisholm, who have received the award. The Four Chaplains Memorial Foundation in Philadelphia established the award to honor those who give selflessly to others throughout their lives. The organization was founded in memory of four chaplains who died aboard a torpedoed Army transport ship in 1943.

In April, Lt. Col. Mike Hainsey of the Mississippi Wing was named the 2007 Commercial Airport Manager of the Year by the Federal Aviation Administration Southern Region Airports Division.

As executive director of the Golden Triangle Regional Airport in Mississippi, Hainsey competed for the award with other managers of commercial service airports in the FAA’s Southern Region — Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee, Puerto Rico and the U.S. Virgin Islands.

Two other CAP volunteers — Cadet Sr. Master Sgt. Kyle Fitle and Capt. Timothy Medeiros — were awarded the Congressional Gold Medal, the U.S. Congress’ highest honor for young people ages 14-23.

Fitle and Medeiros were among 237 winners named in 2008. The award, signed into law by President Jimmy Carter in 1979, recognizes those who set and reach goals in four areas — public service, personal development,



President George W. Bush congratulates newly graduated 2nd Lt. Hila Levy during the U.S. Air Force Academy Class of 2008 graduation ceremony in May. The 50th Academy class consisted of 1,012 cadets who entered the Air Force as second lieutenants. Levy, Civil Air Patrol’s 2004 National Cadet of the Year, was the class’ top graduate. Earlier in the year, she became the first CAP cadet to receive the Rhodes scholarship.

Photo by Mike Kaplan, U.S. Air Force Academy

physical fitness and expedition/exploration. Since its inception, the award has translated into more than 2 million volunteer hours in community service performed by its honorees in addition to their personal achievements.

Arizona Wing Cadet Lt. Col. Max Weaver received one of the nation’s highest honors when President George W. Bush named him a Presidential Scholar. Weaver, now an Air Force Academy cadet, was among more than 100 scholars chosen nationwide for outstanding academic achievement and community service.

Another cadet, the Maryland Wing’s Lt. Col. David M. Trick, was named the 2008 Air Force Association CAP Aerospace Education Cadet of the Year for his work with the model rocketry program.

Cadet 2nd Lt. Nicholas Quintero of the New Mexico Wing was a recipient of a \$5,000 college scholarship as a participant in the Hearst Foundation United States Senate Youth Program.

The Hearst program is an all-expense-paid, weeklong

visit to the nation's capital that immerses youth in the interrelationships of the three branches of U.S. government, the caliber and responsibilities of federally elected and appointed officials and the vital importance of democratic decision-making.

International Media Relations

Civil Air Patrol's 2007 search for accomplished American aviator and adventurer Steve Fossett continued to attract intense international and national media interest in 2008, with CAP's name at the forefront. CAP's emergency services missions, like flooding in the Midwest and hurricanes along the Gulf Coast, garnered considerable national attention as well.

International coverage included the The Associated Press, BBC, Canadian Press, the *Daily Mail* of London, *Daily News South Africa*, the *Sydney Morning Herald* and Caribbean Business Online. National media coverage included ABC News, CBS News, NBC News, CNN, Fox News, MSNBC, the Discovery Channel and hundreds of local network affiliates, *The New York Times*, *Washington Post*, *Los Angeles Times*, *San Francisco Chronicle*, *USA Today*, *Chicago Sun-Times*, *Chicago Tribune*, *Honolulu Advertiser*, *Anchorage Daily News*, *Denver Post*, *Rocky Mountain News*, *Milwaukee Journal-Sentinel*, *Indianapolis Star*, *Philadelphia Inquirer*, *Knoxville News-Sentinel*, *Tampa Tribune*, *National Geographic*, *Newsday*, *PC Magazine*, *Air & Space Magazine*, *Wired*, *Chicago Magazine*, *Macro World Investor* and hundreds of other newspapers and magazines throughout the United States.

PAO Academy

Civil Air Patrol's second national-level PAO Academy brought together public affairs officers from approximately 40 of CAP's 52 wings and all eight of its regions.

The 2008 academy provided critical training for CAP PAOs, who are routinely on the front line working with local, national and even

Wayne Field, seen here at the 2007 National Veterans Wheelchair Games with Jean Wroblewski, a second lieutenant in CAP's Southeast Wisconsin Group, was featured on a special-edition Cheerios box used to promote the 2008 Games.

Above, CAP National Commander Maj. Gen. Amy S. Courter, left, presents 2008 Lifetime Membership Award recipient Col. Mary Feik with a framed print that celebrates her contributions to CAP.

international media, as well as prospective members.

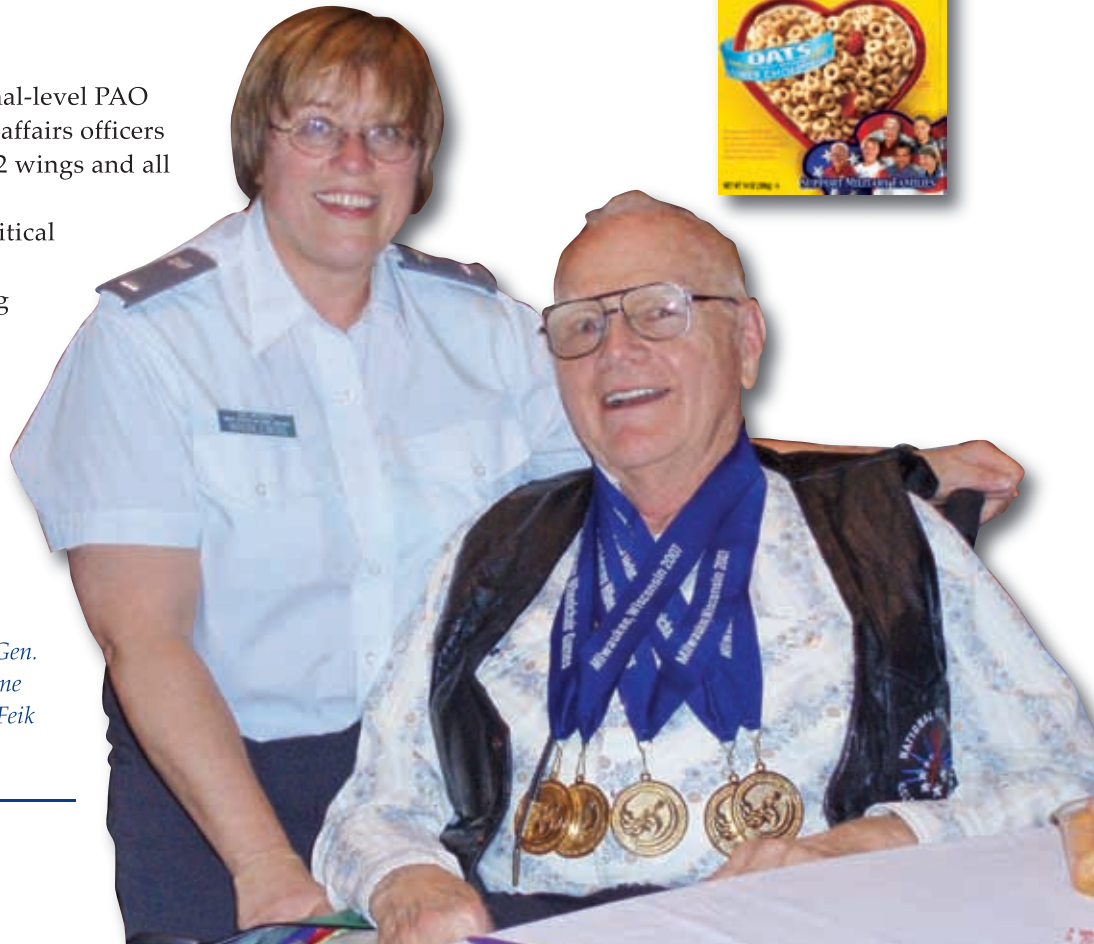
The two-day event was highlighted by an appearance by Miles O'Brien, then a CNN correspondent who had worked side-by-side with CAP members while covering the Fossett search.

CAP Historical Foundation

The CAP Historical Foundation was established in 1997 to preserve the history and promote the proud heritage of Civil Air Patrol and the World War II CAP Coastal Patrol.

Last year, the foundation continued to spread the word about CAP's value to the nation through use of historic aircraft for fly-ins and air shows in conjunction with local CAP squadrons and recruiting booths. The foundation also worked to supply historical exhibits to selected squadrons and wings for public awareness initiatives.

The CAP Historical Foundation also assisted in publication of "Missions for America," an extensive pictorial history of CAP's 65 years of service, for which it furnished more than 500 photos from nearly 1,000 it has collected and digitized since 1997. At no cost to CAP, the foundation then distributed copies of the book (each with a personal letter endorsing CAP) to scores of influential industry leaders and the aviation trade media. With foundation-created publicity, the entire run sold out immediately.



PA and Crisis Planning

CAP's region PAOs have been working with their wing PAOs in generating public affairs and crisis communication plans now required by CAP regulation 190-1.

A specialized team of region PAOs led by Southwest Region PAO Capt. Arthur Woodgate created a generic PA plan to assist wings in getting started. An easy-to-follow workbook for creating a crisis plan was also made available online.

Collectively, these plans will create a solid foundation for establishing CAP's brand nationwide.

Wreaths Across America

In 2008, Civil Air Patrol saluted the nation's veterans by continuing to increase its role in Wreaths Across America, an outgrowth of Worcester Wreath Co.'s Arlington National Cemetery Wreath Project, which began in 1992.

For the third straight year, CAP sponsored patriotic rings of evergreen purchased by members of the public. Nearly 240 squadrons sold wreaths in 2008, up significantly from the 40 squadrons that participated in 2007. The 15,300 wreaths sold by CAP were among the more than 100,000 that CAP volunteers helped place on veterans' graves at nearly 400 cemeteries and memorials worldwide. Worcester Wreath Co. of Harrington, Maine, donated an additional 17,000 wreaths for the project. Ten thousand of those wreaths were placed on gravesites at Arlington, many of them by the more than 50 CAP cadets who participated in the Dec. 13 event.

As part of 2008 ceremonies in Washington, D.C., CAP National Commander Maj. Gen. Amy Courter laid a



Members of the Civil Air Patrol Honor Guard march to the Women In Military Service For America Memorial at Arlington National Cemetery on Dec. 13. The wreath-laying ceremony wrapped a full day of Wreaths Across America activities at Arlington. In 2008, CAP units led almost half of the nearly 400 Wreaths Across America observances in which more than 100,000 wreaths were placed nationwide and abroad.

Photo by Lt. Col. Wendy White, Virginia Wing

wreath at the Civil Air Patrol Memorial at Arlington. A CAP wreath also was laid nearby at the Women In Military Service for America Memorial, where Courter praised Worcester Wreath and CAP cadets and senior members for their efforts to honor past members of America's armed forces.

Wreaths Across America attracted national media interest, with numerous print and broadcast media stories, including NBC News through the network's Washington affiliate, WRC-TV.

This partnership between American veterans and patriotic-minded citizens from local communities across the nation is an exciting addition to CAP's mission. Every day, Civil Air Patrol becomes more widely appreciated for this worthwhile endeavor, much the same as the Marines are known for Toys for Tots.

CAP News Online

In its fifth year of existence, CAP News Online broke another Web record with more than 1.1 million page queries — the most ever.

More than 1,080 stories — an average of 90 per month — were posted on this internal news and information site in 2008.

If it happens in Civil Air Patrol across America, it is covered and extremely well-read in CAP News Online.

Gocivilairpatrol.com

Civil Air Patrol introduced a new and exciting Web presence in 2008 with gocivilairpatrol.com, an innovative "external" site designed to highlight the excellent work of CAP's 57,000 members nationwide and to generate interest in the volunteer organization from prospective new members.

An "internal" Web site — members.gocivilairpatrol.com — also went online later in the year. It is designed to

mimic the “external” site for recruiting, but with speed and easy navigation at the forefront.

Both cutting-edge sites, complete with flash videos and dynamic graphics, were online alongside www.cap.gov at the close of the year. After Feb. 15, 2009, visitors to www.cap.gov were redirected to www.gocivilairpatrol.com.



Civil Air Patrol Volunteer

The *Civil Air Patrol Volunteer* magazine communicates and promotes CAP’s noteworthy contributions to search and rescue and humanitarian missions and U.S. homeland security, as well as the importance of aerospace education and cadet programs.

Issues this year included a 14-page spread on Civil Air Patrol’s hurricane relief efforts as well as extensive coverage of CAP’s aid to towns devastated by tornadoes, floods and wildfires; and inspirational stories, like those of a former CAP cadet who became a U.S. senator; a former female cadet who now flies with the Air Force demonstration team, the Thunderbirds; and yet another former cadet whose battle with cancer served as an inspiration for Dreams on Wings, an all-volunteer organization devoted to providing a day of fun and flight for seriously ill children and their families.

The magazine’s mailing list consists of CAP’s 57,000 members as well as constituent audiences across the nation, including elected officials and emergency service providers, such as FEMA and the American Red Cross.

Member Benefits

CAP added several new benefits for its members in 2008 and enhanced an already-established benefit.

Hilton Software partnered with Civil Air Patrol to offer the organization’s citizen volunteers a discount on their handheld-based aviation software, Wing X. The software provides an invaluable flight management resource tool for aviators.

CAP entered into a new partnership with Hertz car rentals to provide discounts to members for CAP business and personal use.

And, the Cessna Owner Organization now offers CAP members a substantial discount on memberships, which includes a 12-issue subscription to *Cessna Owner* magazine. ■

In 2008, CAP introduced a user-friendly, visually engaging Web presence — www.gocivilairpatrol.com, which features a fast-paced modern-day design.



Wing *Vital* Statistics

Note: Some saves are shared between multiple wings and/or organizations.

Alabama

Aircraft: 13
 FY08 flying hours: 3,244
 Adult volunteers: 659
 Youth: 256
 Total volunteers: 915
 Saves: 1

Alaska

Aircraft: 30
 FY08 flying hours: 2,158
 Adult volunteers: 850
 Youth: 256
 Total volunteers: 1,106
 Saves: 10

Arizona

Aircraft: 12
 FY08 flying hours: 2,604
 Adult volunteers: 759
 Youth: 427
 Total volunteers: 1,186

Arkansas

Aircraft: 9
 FY08 flying hours: 1,880
 Adult volunteers: 337
 Youth: 205
 Total volunteers: 542

California

Aircraft: 27
 FY08 flying hours: 6,102
 Adult volunteers: 2,007
 Youth: 1,107
 Total volunteers: 3,114
 Saves: 3

Colorado

Aircraft: 13
 FY08 flying hours: 2,948
 Adult volunteers: 922
 Youth: 699
 Total volunteers: 1,621
 Saves: 16

Connecticut

Aircraft: 5
 FY08 flying hours: 1,237
 Adult volunteers: 319
 Youth: 284
 Total volunteers: 603

Delaware

Aircraft: 7
 FY08 flying hours: 2,316
 Adult volunteers: 275
 Youth: 156
 Total volunteers: 431

Florida

Aircraft: 26
 FY08 flying hours: 6,253
 Adult volunteers: 2,041
 Youth: 1,326
 Total volunteers: 3,367
 Saves: 4

Georgia

Aircraft: 14
 FY08 flying hours: 2,831
 Adult volunteers: 896
 Youth: 738
 Total volunteers: 1,634
 Saves: 3

Hawaii

Aircraft: 9
 FY08 flying hours: 1,079
 Adult volunteers: 306
 Youth: 195
 Total volunteers: 501

Idaho

Aircraft: 7
 FY08 flying hours: 1,103
 Adult volunteers: 225
 Youth: 175
 Total volunteers: 400
 Saves: 4

Illinois

Aircraft: 8
 FY08 flying hours: 1,845
 Adult volunteers: 726
 Youth: 537
 Total volunteers: 1,263
 Saves: 5

Indiana

Aircraft: 8
 FY08 flying hours: 1,964
 Adult volunteers: 597
 Youth: 524
 Total volunteers: 1,121
 Saves: 2

Iowa

Aircraft: 6
 FY08 flying hours: 941
 Adult volunteers: 215
 Youth: 123
 Total volunteers: 338

Kansas

Aircraft: 5
 FY08 flying hours: 541
 Adult volunteers: 271
 Youth: 164
 Total volunteers: 435

Kentucky

Aircraft: 10
 FY08 flying hours: 2,305
 Adult volunteers: 405
 Youth: 193
 Total volunteers: 598
 Saves: 2

Louisiana

Aircraft: 10
 FY08 flying hours: 1,930
 Adult volunteers: 402
 Youth: 125
 Total volunteers: 527
 Saves: 4

Maine

Aircraft: 7
 FY08 flying hours: 741
 Adult volunteers: 285
 Youth: 147
 Total volunteers: 432
 Saves: 2

Maryland

Aircraft: 12
 FY08 flying hours: 2,561
 Adult volunteers: 762
 Youth: 625
 Total volunteers: 1,387
 Saves: 1

Massachusetts

Aircraft: 8
 FY08 flying hours: 1,390
 Adult volunteers: 504
 Youth: 334
 Total volunteers: 838

Michigan

Aircraft: 9
 FY07 flying hours: 2,069
 Adult volunteers: 728
 Youth: 481
 Total volunteers: 1,209

Minnesota

Aircraft: 17
 FY08 flying hours: 3,898
 Adult volunteers: 741
 Youth: 462
 Total volunteers: 1,203
 Saves: 1

Mississippi

Aircraft: 10
 FY08 flying hours: 1,483
 Adult volunteers: 292
 Youth: 119
 Total volunteers: 411

Missouri

Aircraft: 6
 FY08 flying hours: 1,290
 Adult volunteers: 596
 Youth: 396
 Total volunteers: 992
 Saves: 1

Montana

Aircraft: 5
FY08 flying hours: 450
Adult volunteers: 156
Youth: 103
Total volunteers: 259
Saves: 1

National Capital

Aircraft: 3
FY08 flying hours: 893
Adult volunteers: 232
Youth: 181
Total volunteers: 413

National Headquarters and Regions

Aircraft: 26
FY08 flying hours: 1,456
Adult volunteers: 3,139
Youth: 21
Total volunteers: 3,160

Nebraska

Aircraft: 5
FY08 flying hours: 873
Adult volunteers: 237
Youth: 202
Total volunteers: 439
Saves: 1

Nevada

Aircraft: 9
FY08 flying hours: 1,570
Adult volunteers: 532
Youth: 231
Total volunteers: 763
Saves: 7

New Hampshire

Aircraft: 5
FY08 flying hours: 991
Adult volunteers: 277
Youth: 233
Total volunteers: 510

New Jersey

Aircraft: 8
FY08 flying hours: 1,553
Adult volunteers: 595
Youth: 547
Total volunteers: 1,142
Saves: 1

New Mexico

Aircraft: 12
FY08 flying hours: 2,236
Adult volunteers: 483
Youth: 346
Total volunteers: 829
Saves: 5

New York

Aircraft: 14
FY08 flying hours: 3,340
Adult volunteers: 1,234
Youth: 1,074
Total volunteers: 2,308
Saves: 3

North Carolina

Aircraft: 10
FY08 flying hours: 2,387
Adult volunteers: 827
Youth: 533
Total volunteers: 1,360
Saves: 1

North Dakota

Aircraft: 5
FY08 flying hours: 1,027
Adult volunteers: 182
Youth: 98
Total volunteers: 280
Saves: 4

Ohio

Aircraft: 9
FY08 flying hours: 1,476
Adult volunteers: 758
Youth: 594
Total volunteers: 1,352

Oklahoma

Aircraft: 9
FY08 flying hours: 1,634
Adult volunteers: 416
Youth: 279
Total volunteers: 695

Oregon

Aircraft: 6
FY08 flying hours: 1,402
Adult volunteers: 385
Youth: 248
Total volunteers: 633
Saves: 4

Pennsylvania

Aircraft: 16
FY08 flying hours: 2,853
Adult volunteers: 1,245
Youth: 1,063
Total volunteers: 2,308
Saves: 17

Puerto Rico

Aircraft: 3
FY08 flying hours: 595
Adult volunteers: 389
Youth: 593
Total volunteers: 982

Rhode Island

Aircraft: 3
FY08 flying hours: 509
Adult volunteers: 117
Youth: 108
Total volunteers: 225
Saves: 3

South Carolina

Aircraft: 9
FY08 flying hours: 1,865
Adult volunteers: 579
Youth: 396
Total volunteers: 975

South Dakota

Aircraft: 7
FY08 flying hours: 1,124
Adult volunteers: 205
Youth: 104
Total volunteers: 309

Tennessee

Aircraft: 10
FY08 flying hours: 1,686
Adult volunteers: 612
Youth: 413
Total volunteers: 1,025
Saves: 3

Texas

Aircraft: 29
FY08 flying hours: 6,949
Adult volunteers: 1,627
Youth: 1,298
Total volunteers: 2,925
Saves: 3

Utah

Aircraft: 7
FY08 flying hours: 1,186
Adult volunteers: 309
Youth: 175
Total volunteers: 484
Saves: 3

Vermont

Aircraft: 4
FY08 flying hours: 437
Adult volunteers: 144
Youth: 90
Total volunteers: 234

Virginia

Aircraft: 11
FY08 flying hours: 3,202
Adult volunteers: 818
Youth: 585
Total volunteers: 1,403
Saves: 1

Washington

Aircraft: 11
FY08 flying hours: 2,322
Adult volunteers: 718
Youth: 554
Total volunteers: 1,272

West Virginia

Aircraft: 6
FY08 flying hours: 1,356
Adult volunteers: 413
Youth: 220
Total volunteers: 633

Wisconsin

Aircraft: 12
FY08 flying hours: 2,891
Adult volunteers: 711
Youth: 353
Total volunteers: 1,064
Saves: 4

Wyoming

Aircraft: 4
FY08 flying hours: 657
Adult volunteers: 163
Youth: 64
Total volunteers: 227
Saves: 5

2008-2009 State Appropriations

Great Lakes Region

IL	07-01-08 thru 06-09	\$	0.00	
IN	07-01-08 thru 06-09	\$	0.00	
KY	07-01-08 thru 06-09	\$	30,000.00	
MI	07-01-08 thru 06-09	\$	0.00	
OH	07-01-08 thru 06-09	\$	0.00	
WI	07-01-08 thru 06-09	\$	19,000.00	\$49,000.00

Middle East Region

DC	07-01-08 thru 06-09	\$	0.00	
DE	07-01-08 thru 06-09	\$	24,800.00	
MD	10-01-08 thru 09-30-09	\$	38,700.00	
NC	07-01-08 thru 06-09	\$	168,264.00	
SC	07-01-08 thru 06-09	\$	5,000.00	
VA	07-01-08 thru 06-09	\$	100,000.00	
WV	07-01-08 thru 06-09	\$	349,258.00	\$686,022.00

North Central Region

IA	01-01-08 thru 12-31-08	\$	0.00	
KS	07-01-08 thru 06-09	\$	32,125.00	
MN	10-01-08 thru 09-30-09	\$	65,000.00	
MO	07-01-08 thru 06-09	\$	16,469.00	
ND	07-01-08 thru 06-09	\$	80,082.00	
NE	07-01-08 thru 06-09	\$	31,500.00	
SD	07-01-08 thru 06-09	\$	39,291.00	\$264,467.00

Northeast Region

MA	07-01-08 thru 06-09	\$	0.00	
NY	07-01-08 thru 06-09	\$	184,000.00	
ME	07-01-08 thru 06-09	\$	15,000.00	
NH	07-01-08 thru 06-09	\$	61,628.00	
CT	10-01-08 thru 09-30-09	\$	34,920.00	
NJ	07-01-08 thru 06-09	\$	0.00	
PA	07-01-08 thru 06-09	\$	492,000.00	
RI	07-01-08 thru 06-09	\$	0.00	
VT	07-01-08 thru 06-09	\$	60,000.00	\$847,548.00

Pacific Coast Region

AK	07-01-08 thru 06-09	\$ 553,500.00	
CA	07-01-08 thru 06-09	\$ 80,000.00	
HI	07-01-08 thru 06-09	\$ 94,000.00	
NV	07-01-08 thru 06-09	\$ 130,000.00	
OR	07-01-08 thru 06-09	\$ 0.00	
WA	07-01-08 thru 06-09	\$ 0.00	\$857,500.00

Rocky Mountain Region

CO	07-01-08 thru 06-09	\$ 127,341.00	
ID	07-01-08 thru 06-09	\$ 0.00	
MT	07-01-08 thru 06-09	\$ 0.00	
UT	07-01-08 thru 06-09	\$ 75,000.00	
WY	10-01-08 thru 09-30-09	\$ 103,727.00	\$306,068.00

Southeast Region

AL	07-01-08 thru 06-09	\$ 125,000.00	
FL	07-01-08 thru 06-09	\$ 52,000.00	
GA	07-01-08 thru 06-09	\$ 114,000.00	
MS	07-01-08 thru 06-09	\$ 60,000.00	
PR	07-01-08 thru 06-09	\$ 8,000.00	
TN	07-01-08 thru 06-09	\$ 87,450.00	\$446,450.00

Southwest Region

AR	07-01-08 thru 06-09	\$ 40,000.00	
AZ	07-01-08 thru 06-09	\$ 0.00	
LA	07-01-08 thru 06-09	\$ 125,000.00	
NM	07-01-08 thru 06-09	\$ 220,400.00	
OK	07-01-08 thru 06-09	\$ 70,000.00	
TX	07-01-08 thru 06-09	\$ 0.00	\$455,400.00

\$3,912,455.00

FY08 Congressionally *Appropriated* Funds

Operations & Maintenance Funds \$ 27,904,055

Emergency Services	
Air Force Missions	\$ 9,053,360
Other Missions	\$ 380,507
Communications	\$ 2,327,992
Aerospace Education	\$ 1,640,352
Cadet Programs	\$ 3,023,776
Professional Development	\$ 540,886
Drug Demand Reduction Program	\$ 430,846
Liability Insurance	\$ 1,638,478
Wing Administrators	\$ 2,235,317
Vehicle/Equipment Maintenance	\$ 516,365
Aircraft Maintenance	\$ 3,514,843
Program Administrative Expenses	\$ 2,601,333

Procurement Funds \$ 7,104,000

Aircraft	\$ 6,235,000
Vehicle	\$ 869,000

TOTAL \$ 35,008,055

Wing Banker Program

Accounting for all revenues and expenditures through the Wing Banker Program provides for efficient, accurate financial reporting and ensures all financial transactions are subject to audit. As its name implies, the Wing Banker Program pools all squadron money in CAP's 52 wings. Each wing serves as the banker for its squadrons. The wing holds the funds, pays out the money for expenditures and bills and does the accounting and reporting. Since each squadron maintains a finance committee, it has control over its financial resources.

This consolidated financial management program, the brainchild of a CAP member, ensures CAP is poised to obtain the organization's first unqualified audit, which builds public trust by substantiating unquestionable accountability. As an added bonus, the Wing Banker Program will position CAP to be eligible for additional grant money.

National *Leadership*

As of 31 Dec. 2008

CAP BOARD OF GOVERNORS

Maj. Gen. Richard L. Bowling, CAP, Chairman
Lt. Gen. John D. Hopper Jr., USAF (Ret.), Vice Chairman, CEO, Air Force Aid Society
Maj. Gen. Amy S. Courter, CAP, CAP National Commander
Brig. Gen. Reggie L. Chitwood, CAP, CAP National Vice Commander
Paul L. Graziani, President and CEO, Analytical Graphics Inc.
Lt. Gen. Nicholas B. Kehoe, USAF (Ret.), President, Congressional Medal of Honor Foundation
Maj. Gen. Henry C. Morrow, USAF, Commander, 1st Air Force
Lt. Gen. Charles J. Searock, USAF (Ret.), Aviation and Technology Consultant
Maj. Gen. John M. Spiegel, USAF (Ret.), Lockheed Martin Enterprise Solutions and Services
Col. John E. Tilton, CAP, CAP Member-at-Large
Bruce N. Whitman, President & CEO, FlightSafety International

CAP NATIONAL BOARD

National Commander – Maj. Gen. Amy S. Courter
National Vice Commander – Brig. Gen. Reggie L. Chitwood
Senior Air Force Advisor – Col. Russell D. Hodgkins Jr.
Chief of Staff – Col. Russell E. Chazell
National Legal Officer – Col. Barry S. Herrin
National Finance Officer – Col. Fredric K. Weiss
National Controller – Col. William S. Charles II
Chief of the Chaplain Service – Chaplain Col. Whitson B. Woodard
Inspector General – Col. James F. Linker

Northeast Region

Commander – Col. Robert Diduch
CT Col. Peter Jensen
MA Col. David A. Belcher
ME Col. Christopher J. Hayden
NH Col. Donald C. Davidson
NJ Col. Robert J. McCabe
NY Col. Kenneth J. Andreu
PA Col. Mark A. Lee
RI Col. Anthony Gagliardi
VT Col. Thomas P. Benckert

Middle East Region

Commander – Col. Joseph R. Vazquez
DE Col. Eugene L. Egrv III
MD Col. Gerard W. Weiss
Nat Cap Col. Jane E. Davies
NC Col. Larry J. Ragland
SC Col. Aurel E. Smith
VA Col. Eric R. Litt
WV Col. Rodney A. Moore

Great Lakes Region

Commander – Col. Charles L. Carr Jr.
IL Col. Gordon A. Larson
IN Col. Warren M. Reeves
KY Col. Henry L. Heaberlin
MI Col. Michael A. Saile
OH Col. David M. Winters
WI Col. Donald J. Haffner

Southeast Region

Commander – Col. James M. Rushing
AL Col. Michael A. Oakman
FL Col. Christian F. Moersch III
GA Col. James W. Hughes
MS Col. Tillman C. Carroll
PR Col. Rafael C. Roman
TN Col. George B. Melton

North Central Region

Commander – Col. Steven W. Kuddes
IA Col. Ronald J. Scheitzach
KS Col. Regena M. Aye
MN Col. Thomas B. Theis
MO Col. John A. Mais
NE Col. Robert K. Todd
ND Col. Karl R. Altenburg
SD Col. Michael A. Beason

Southwest Region

Commander – Col. Joseph C. Jensen
AR Col. Robert B. Britton
AZ Col. John M. Eggen
LA Col. Michael H. DuBois
NM Col. Richard F. Himebrook
OK Col. Robert H. Castle
TX Col. Joe R. Smith

Rocky Mountain Region

Commander – Col. Donald G. Cortum
CO Col. Edward D. Phelka
ID Col. David A. Guzman
MT Col. Robert M. Hoffman
(interim)
UT Col. Robert M. Bost
WY Col. Stanley A. Skrabut

Pacific Region

Commander – Col. Ernest C. Pearson
AK Col. Carl L. Brown
CA Col. Kenneth W. Parris
HI Col. Roger M. Caires (interim)
NV Col. Ralph L. Miller
OR Col. Brian L. Bishop
WA Col. David E. Maxwell



During 2008, our partners in Civil Air Patrol were again called upon to serve their communities, states and nation during stressful times. Most visible was the tremendous support rendered by CAP members responding to the devastating flooding in the Midwest in the late spring and the hurricanes that struck the Gulf Coast in August and September.

Throughout the year, hundreds of CAP members quietly participated in equally vital missions that perhaps did not attract national media attention but served to otherwise improve our nation. Their actions contributed to full integration of CAP into domestic operations. Elsewhere, CAP volunteers contributed to educating young people and making them better citizens. CAP also continued to improve its accountability for federal funds and assets.

In June, a significant amount of late spring rainfall led to devastating flooding across a five-state area in the upper Midwest. Record rainfalls hit the states of Iowa, Indiana, Missouri, South Dakota and Wisconsin, causing many major rivers to overflow and threaten hundreds of towns and cities. Volunteers from 10 CAP wings joined together to support the response, performing duties as varied as flying hundreds of damage assessment sorties, manning the phones in key command centers and filling sandbags in threatened areas. This past summer also saw the return of significant hurricane activity in the Gulf Coast for the first time since the overwhelming Katrina and Rita storms in the summer of 2005. Civil Air Patrol was ready and performed admirably. Following hurricanes Gustav and Ike, CAP volunteers from all across the southeast United States left their homes and families behind, stepping forward to serve their fellow citizens. After the storms, CAP deployed dozens of people to forward mission bases, and they flew more than 500 support sorties providing damage assessment of the impacted areas. CAP provided more than 40,000 near real-time aerial images to key decision-makers, who used this information for a variety of purposes, including planning convoy routes used to bring relief supplies to stricken areas. These major disasters once again proved the ability of CAP to react promptly and professionally to aid state and local authorities dealing with major natural disasters.

These successful responses would not have been possible without the full integration of CAP into Air Force domestic air operations. CAP's operations, coordinated at Air Force North (AFNORTH) Combined Air Operations Center at Tyndall Air Force Base, Fla., provide a wide range of air support to civil authorities across the nation. As the most ubiquitous, cost-effective air asset available for domestic operations, CAP provides 80 percent of the sorties flown on the AFNORTH weekly Air Tasking Order. CAP's participation in major national-level exercises proves to key officials that the organization is a ready resource for use in a wide variety of emergencies following any natural or man-made catastrophes. CAP also supports our fighting forces by providing training support, such as serving as targets for air defense assets. CAP reached a milestone in 2008 when it supported the millionth Operation Noble Eagle sortie flown since the initiation of the Global War on Terror.

In 2008, Civil Air Patrol gained another milestone when the first former CAP cadet earned a Rhodes scholarship. Hila Levy, now a second lieutenant in the Air Force, graduated first in her class from the U.S. Air Force Academy in Colorado and is now studying at Oxford University in England. Levy exemplifies the high quality of citizens produced by the CAP cadet program every year. Although not every CAP cadet achieves Levy's level of success, every year thousands of young people learn the virtues of individual achievement, teamwork, patriotism, physical fitness and character development through participation in the cadet program. These young people move on to all areas of our society and strengthen and enrich our nation.

Finally, I am pleased to report that CAP has improved financial accountability to such an extent that it has positioned the organization to obtain the highest possible rating from outside auditors. This rating vindicates the long process of embracing new fiscal procedures to ensure full accountability of federally provided funds. While not as exciting as flying missions, this success serves as a testament to the dedication of both CAP volunteers in the field and the professional staff at National Headquarters.

In summary, 2008 was another notable year for Civil Air Patrol. As they do every year, thousands of CAP members performed critical missions for our fellow citizens. We in the Air Force remain proud of our CAP wingmen.

A handwritten signature in black ink that reads "Russell D. Hodgkins Jr." The signature is written in a cursive, slightly slanted style.

Col. Russell D. Hodgkins Jr.
Commander



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