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CAP reunion in Delaware

World War II-era CAP Coastal Patrol Base Two veterans gather for reunion in Rehoboth, Del.

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2000 activity schedule for senior members

From who is eligible to when and where — don't miss this year's special activity schedule for senior members

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Cessna delivers!

Cessna delivers 15 new single-engine C-172 Skyhawks to CAP

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Every cadet a 'winner' at NCC

Cadets from across America gathered at Civil Air Patrol National Headquarters in Montgomery, Ala., Dec. 26-30 to face off in the 2000 CAP National Cadet Competition. Competing in the National Color Guard and National Drill Team competitions were more than 150 top-notch cadets representing CAP's eight regions. For more on the competition, including who this year's winners were, turn to Pages 16-17.



AF Thunderbirds announce 2000 show season

Thunderbirds to perform more than 60 demos in 25 states, Canada and Europe.

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Feature story

New Jersey

Wing captain hopes to duplicate Earhart's flight

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Cessna delivers 15 new Skyhawks

INDEPENDENCE, Kan. — Cessna delivered 15 new Skyhawk 172 SPs to the Civil Air Patrol in December.

The Skyhawks will be used by CAP to fly search-and-rescue missions for downed aircraft, provide orientation flights for cadets and introduce young people to powered flight during CAP's summer flight training schools.

CAP prefers the Skyhawk because of its wing design. "The aircraft's high-wing design, which allows for increased aircraft-to-ground visibility, makes Cessna single-engine aircraft ideal for our specialized training activities and search-and-rescue



Cessna Single Engine General Manager Pat Boyarski hands the keys to a new Skyhawk 172 to Civil Air Patrol Executive Director Col. Robert L. Brooks. Cessna delivered 15 new Skyhawks to CAP in December.

missions," said CAP Executive Director Robert L. Brooks.

CAP operates the largest Cessna fleet in the world, made up of some 530 aircraft throughout the U.S. and Puerto Rico.

Cessna Single En-

gine General Manager Pat Boyarski said, "The Civil Air Patrol contributes not only to the future of aviation, but to the welfare and safety of each one of us. We take pride in their continued use of Cessna aircraft in

their missions."

Cessna is a subsidiary of Textron, Inc. (NYSE:TXT), an \$11 billion, global, multi-industry company with market-leading businesses in aircraft, automotive, industrial and finance.

CIVIL AIR PATROL NEWS

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CAP-U.S. Air Force Commander
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The *Civil Air Patrol News* (ISSN #09-7810) is an official publication of the Civil Air Patrol, a private, benevolent corporation and auxiliary to the U.S. Air Force. It is published monthly by CAP National Headquarters, 105 South Hansell St., Building 714, Maxwell AFB, AL 36112-6332, and printed by the Opelika News, P.O. Box 2111, Opelika, AL 36830. Periodicals postage paid at Auburn, Ala. 36830. Opinions expressed herein do not necessarily represent those of the CAP or the U.S. Air Force.

Subscriptions: Annual subscription rate is \$5. To subscribe, send a check or money order to: Editor, Civil Air Patrol News, 105 South Hansell St., Building 714, Maxwell AFB, AL 36112-6332. Call (334) 953-5700 for more information.

Changes of address: Changes of address for members should be e-mailed to dpp@capnhq.gov or faxed to (334) 953-4262.

Advertising: For advertising-rate information, call (334) 953-5700 or send an e-mail to capnews@capnhq.gov. CAP does not endorse or warranty any products or services advertised in this publication.

Editorial submissions: Send submissions via e-mail to capnews@capnhq.gov. If e-mail is not possible, send via the U.S. Postal Service on 3½" disk to: Editor, Civil Air Patrol News, 105 South Hansell St., Building 714, Maxwell AFB, AL 36112-6332. Preferred formats for files are Word or ASCII text. As a last resort, submissions can be faxed to (334) 953-4245.

Photo submissions: Photos may be sent electronically or by mail using the above address. If sent electronically, send to e-mail address above as attachments. Preferred formats are TIF and JPG. Be sure to include photo credits and outline information, and an electronic copy of the story they are associated with. If from a digital camera, resolution can be no less than 800x600; if scanned, 203dpi resolution is preferred. If photos are mailed, be sure to send them with outline and photo credit information, and a copy of the story they are associated with.

Submission deadline: Submission deadline is the third Monday of the month preceding the publication month.

Postmaster: Send address changes to the Personnel, CAP National Headquarters, 105 South Hansell St., Bldg. 714, Maxwell AFB, AL 36112-6332.

AT A GLANCE

■ 2 receive lifesaving award

MARYLAND — Maj. Andrew Felix and 1st Lt. Brian McNamee received the Civil Air Patrol Lifesaving Award during a ceremony Nov. 17.

Maryland Wing Vice Commander Lt. Col. Lawrence Trick and Maj. Jon Royer, commander of Maryland Wing's Group Three, presented the awards.

On Oct. 4, 1997, Felix and McNamee watched an aircraft lose power on takeoff and crash at College Park Airport, Md. After impact, the aircraft broke apart and slid over the Metro and CSX railroad tracks at the end of the runway before coming to rest in a ditch. Fuel spills started numerous fires on and around the tracks. Although some were injured, the six occupants safely exited the aircraft.

McNamee notified the Federal Aviation Administration, and then he and Felix went to the crash site with fire extinguishers. They directed cadets to man the airport's entrance and direct emergency vehicles to the site. On scene, the two men worked with firemen and paramedics. When a Metro train came to a stop near the crash scene, they advised the engineer of the situation. After it was over, both men provided both verbal and written reports to the Maryland State Police, FAA and National Transportation Safety Board.

Felix is the commander of the Prince Georges Composite Squadron and McNamee is a squadron member.

■ Pamphlet 201 'hot off press'

NATIONAL HEADQUARTERS — Civil Air Patrol Pamphlet 201, Specialty Track Study Guide for a Public Affairs Officer, is "hot off the press" and may now be ordered from the CAP Bookstore.

The specialty track was revised to better serve the needs and requirements of CAP PAOs.

According to the CAP director of marketing and public affairs, Mary Nell Crowe, a special "thanks" goes to Maj. Tom Traver, Oregon Wing PAO, 1st Lt. Rick Williamson, Georgia Wing PAO, and especially Lt. Col. Karen Copenhaver, Middle East Region PAO. "This team of volunteers offered their time and services to revise the specialty track. Lt. Col. Copenhaver served as team captain and put the finishing touches on the document," Crowe said.

Also, the new PAO badge is available from the bookstore. The technician badge, catalogue number #0762, is \$5.95. The senior level badge (with star), catalogue number #0762A, is \$6.50. The master level badge (with star and laurel wreath), catalogue number # 0762B, is \$7. "Special appreciation is extended to Lt. Col. Ed Crankshaw of the California Wing for designing the badge," said Crowe.

Individuals earning the technician, senior or master level prior to the revisions will be "grandfathered" and permitted to wear the appropriate badge. As of Jan. 15, the date on the revised specialty track, anyone completing a level will have to

meet the requirements in the revised edition.

■ Chaplain staff colleges

NATIONAL HEADQUARTERS — The CAP Chaplain Service has announced the dates of their staff colleges in each region for 2000.

Each college will give special attention to the accomplishments of their ministry over the past 50 years and will meet the standards for a region staff college contained in CAP Regulation 50-17.

The colleges, which are open to chaplains and moral leadership officers, are as follows:

Pacific Region, Hickam Air Force Base, Hawaii, Feb. 12-19 Feb, Chaplain Dan Dyer, (909) 864-4150; **North Central Region**, Omaha, Neb., April 24-28, Chaplain Ron Tottingham, (605) 339-2038; **South-east Region**, Maxwell Air Force Base, May 1-4, Chaplain Ron Greene, (727) 799-3748; **Northeast Region**, Naval Training Center, R.I., May 15-18, Chaplain George Kelly, (908) 647-0180, Ext. 6741; **Rocky Mountain Region**, FE Warren Air Force Base, Wyo., May 16-18, Chaplain Gene Packer, (970) 667-9453; **Middle East Region**, Dover Air Force Base, Del., May 22-26, Chaplain Robert Magee, (301) 336-6570; **Great Lakes Region**, Wright-Patterson Air Force Base, June 12-15, Chaplain Jerry Beaumont, (734) 475-3305; **Southwest Region**, Randolph Air Force Base, Aug. 14-17, Chaplain Bill Sanford, (817) 782-6400.

CAP Coastal Patrol Base Two vets gather in Rehoboth

Roger Thiel
National Capital Wing

DELAWARE — With a salutation from President Bill Clinton on their bulletin board and surrounded by friends, family, historians and Civil Air Patrol National Commander Brig. Gen. James C. Bobick, the World War II anti-sub veterans of CAP Coastal Patrol Base Two held their 57-year reunion.

The only one of the 21 anti-sub bases to hold annual reunions, the Delaware veterans' tradition originated with a feeling of family pioneered by the late base commander Maj. Hugh Sharp. It has included annual reunions every year since the late 1940s. In postwar decades, the reunion has been coordinated by veterans Ed Phipps, Tom Worth and

Maury Betchen — all of whom were in attendance.

Direct CAP citation by the president of the United States is already known by Base Two personnel. In 1942, Sharp and Lt. Eddie Edwards were awarded the Air Medal directly by President Theodore Roosevelt in a White House ceremony for a daring rescue at sea. Edwards was on hand at this year's reunion with his wife, Blanche, who was also on the scene near Base Two during their period of activation.

White House policy prohibits the *Civil Air Patrol News* from reproducing the letter or directly quoting from it, but the thrust of Clinton's message was to emphatically thank the CAP for its great World War II service and sacrifice to the country, and to congratulate the veterans on



Civil Air Patrol Coastal Patrol Base Two veterans pose for a group photo during their annual reunion in Rehoboth, Del. Pictured are left to right: (front row) Maury Betchen, Henry E. Phipps, Roland T. O'Day and Glen P. Cook; and (back row) CAP National Commander Brig. Gen. James C. Bobick, Arthur T. Worth, Eddie Edwards and CAP Historical Foundation Executive Director Drew Steketee.

preserving this heritage for CAP and the nation.

An honor guard of Delaware cadets presented

the colors and, after the banquet, Bobick gave an impassioned address with special words of apprecia-

tion for their heritage of family. He also cited the ex-

See **REUNION...** Page 7

AT A GLANCE

■ Bookstore accepts credit cards

NATIONAL HEADQUARTERS — The Civil Air Patrol Bookstore now accepts both American Express and Discover credit cards.

"It's another step in the right direction for the bookstore," said Jim McGee, bookstore manager. "It all boils down to our continuing to provide our customers the best in service."

In addition to American Express, Discover, the bookstore also accepts MasterCard and Visa.

For more information or questions, call the bookstore at (800) 633-8768.

■ FL pilot NAFI master instructor

FLORIDA — Capt. John McManus, flight instructor and member of the Naples Senior Squadron in Naples, Fla., has been redesignated as a "master instructor" by the National Association of Flight Instructors, the nation's largest professional organization for those who teach people to fly.

The master instructor designation is a rare accomplishment, as fewer than 100 of the country's 78,000 flight instructors have reached that status.

The two-year master instruc-



Capt. John McManus

tor status is earned and renewed through a rigorous process of continuing education, professional development and involvement in aviation. The program allows flight instructors to enhance their abilities as both pilots and educators, to engage in professional activities to enhance their teaching skills.

■ Cadets can receive ROTC credit

NATIONAL HEADQUARTERS — Our office occasionally receives questions about receiving college credit for the ROTC courses because of a cadet's Civil Air Patrol achievements.

The Air Force ROTC Instruction 36-2011 (dated Jan. 7, 1999) states: Para. 2.5.6 — The unit commander may accredit portions of the GMC (general military course) for receipt of a CAP award. Obtain a

copy of the certificate of award from the individual, attach it to the AFROTC Form 20, and place it in the cadet's UPRG (unit personnel record group). Only the highest award is accredited. The awards are not cumulative; Para. 2.5.6.1 — The Carl A. Spaatz Award (may be shown as Phase 4) is considered as being equal to three semesters, four quarters or an equivalent number of other academic terms which comprise a maximum of 1 1/2 academic years; Para. 2.5.6.2 — The Amelia Earhart Award is considered equal to either year of the GMC; and Para. 2.5.6.3 — The Billy Mitchell Award is considered equal to any academic term of the GMC."

CAP cadets enrolled in college Air Force ROTC should inform their unit commander about this Air Force instruction. The ROTC detachment makes the final decision to allow these credits. CAP National Headquarters does not administer this program.

■ Scholarships available online

EAA AVIATION CENTER, OSHKOSH, Wis. — Students interested in pursuing aviation studies can learn more EAA's Aviation Foundation scholarships and receive applications through a new service on the EAA Web site at www.eaa.org.

The scholarships, which range from \$500 to \$25,000, recognize, encourage and support excellence among individuals studying the essential technologies and skills of aviation.

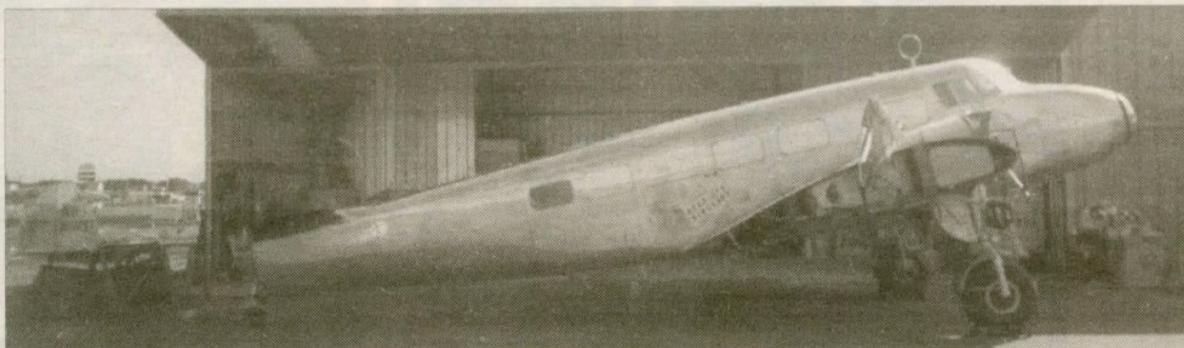
CAP SAFETY STATS

	Nov	1999*	1998*
Fatalities	0	2	3
Serious injury	1	8	5
Bodily injury	1	28	13
Vehicle mishaps	2	9	7
Aircraft incidents	0	18	19
Aircraft accidents	0	3	6

* Statistics based on calendar year

AVIATION HISTORY IN MAKING

NEW JERSEY WING'S CAPT. GRACE MCGUIRE TO DUPLICATE AMELIA EARHART FLIGHT



Affectionately named "Muriel" after Amelia Earhart's sister, Grace McGuire's 1935 Lockheed Electra L-10E awaits final assembly at Oldbridge Airport in Englishtown, N.J., in April 1998.

Capt. Grace McGuire of New Jersey Wing's Pineland Composite Squadron was ecstatic when she found the 1935 twin-engine Lockheed Electra L-10E crumbling away unwanted in a parking lot. It ended a two-year search.

Grace could have made a career of any number of safe lucrative jobs. She is a qualified pilot of almost every type of aircraft, certified flight instructor, skilled mechanic, and endowed with the kind of crisp good looks that invite comparisons to Amelia Earhart. Instead she chose a high and lonely calling. She became fascinated with vintage flying machines and the pioneer aviators who flew them. "I'm a frustrated barnstormer," she said.

In the early '70s, Grace took odd jobs to pay for flying lessons at a local airport. By 1972 she had earned her private pilot's license. She went on to qualify for her commercial license with land and sea and flight instructor ratings.

"I was the only woman in a class of 31 and I had to work twice as hard as the others," she said. "I developed an 'I'll show them' attitude."

Grace participated in several air races and is a member of the Ninety Nines, an international club of women pilots. She has flown an F-15 jet, but her real love is vintage aircraft. "There's nothing like it," she said. "Traveling in one of those big air buses; that's not flying."

In 1979, she was picked by a photographer to pose as an Amelia Earhart look-alike at a New Jersey air show. It was then she decided to

duplicate the Earhart flight and "Project Destiny" was born.

The first step was to locate a duplicate of Amelia's Lockheed Electra L-10E — no easy job since Lockheed only made 15 of this 1935 aircraft. Her two-year search ended when a tip from Christie's Auction House sent her to the parking lot of the Wings and Wheels Museum in Orlando, Fla. "I flew down and found the plane sitting on a ramp. It was the sorriest looking thing you've ever seen. It needed major surgery."

Grace christened the derelict Electra "Muriel" after Amelia's sister, who found a lot of Amelia in Grace's personality and became a project supporter and close friend. The news media picked up the story and Grace was featured in major magazines. An interview on "Good Morning America" so impressed the president of a company he offered to sponsor the project and use the company's mechanics to reconstruct "Muriel."



Grace McGuire
in 1985.

But, just when everything was going well, fate struck a series of blows that would have floored a lesser character. The company had a management change, the project was canceled and the Electra was returned in piecemeal condition. Nothing was labeled and half of the precious parts that had taken years of rummaging through abandoned aircraft to accumulate were missing.

"It was a nightmare of a mess," Grace said. "Never again. I'm doing it my way now." Her way was to learn to be her own aviation mechanic. It involved working long tedious hours with a few volunteers in hangars that are oven-hot in the summer and piercingly cold in the winter.

In the early '80s, Grace had begun to lose a lot of weight and was experiencing debilitating fatigue and other mysterious and painful symptoms. The diagnostic list for Lyme disease is long and makes

dismal reading. Like many other victims of this devastating illness she was diagnosed with and treated for everything except Lyme disease. "The doctors hadn't a clue," she said.

Offers of sponsorship kept pouring in, but Grace had become too ill to cope and was eventually hospitalized. "I thought I had multiple sclerosis and I was finished," she said. "Only the thought of losing my plane kept me fighting."

What she had was Lyme-induced multiple sclerosis, a condition unknown to the medics at that time. "I wore a pump that pumped medication into my heart 24 hours a day," she said. She has since taken high doses of intravenous antibiotics for years.

"Six and half years of hell," is the way she describes it. Fortunately, after considerable trial and error, she was able to find a Lyme-literate doctor who understood her case. Thanks to his care the Lyme is now in remission.

All through this long ordeal she soldiered on and never gave up on her dream. "There have been several commemorative around-the-world flights honoring Earhart, but none have been an exact duplication," she explained. Grace plans to do the flight in authentic 1937 fashion, "the old-fashioned way," she says. She will use the same aircraft, fly the same route and will navigate by the stars. Her one concession is a better radio. Amelia's radio had a very short range and her last messages just came in snatches.

The biggest challenge is the 2,500-mile leg from Lae, New Guinea, to Howland Island, the minute barren coral reef that eluded Amelia in the immensity of the Pacific. Grace discounts most of the speculation about Earhart's disappearance. She has studied Amelia's navigational charts and flight plan and concluded that she ran out of fuel because she was looking for the island in the wrong place. "She was using 100-year old British admiralty charts with the wrong coordinates."

With the Lyme in remission the future is looking brighter. Instead of the bedraggled object Grace found in the Florida parking lot the Electra is looking like something Amelia would have been proud to fly. Grace is upbeat about all her setbacks. Lyme disease has taken her health, money, energy, and career as a flight instructor, but it has not conquered her spirit and steely determination. "There have been good times as well as bad," she says. "I've met some wonderful friends and supporters and volunteers." She says Lyme disease has given her humility and compassion for others who are suffering until a cure can be found. "I'm not as arrogant as I used to be," she says.

Grace's immediate concern is finding a sponsor for the flight and she is looking for a celestial/navigator copilot — the Fred Noonan counterpart in the Earhart saga. "I hope "Muriel" will eventually carry me as far as I've carried it," she says.

She plans to use the flight to publicize the plight of Lyme victims and the need to educate doctors in the treatment of tick-borne diseases. If all goes well, the gallant little 65-year-old plane and its spunky pilot will carry a message of hope and courage around the globe.

JANE LEE ANDERSEN
FREE-LANCE WRITER



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Used	\$74.50	\$74.50	\$74.50		
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Primary concern was communications disruptions

CAP volunteers on alert nationwide for Y2K

Charlotte Crowe

*Chief, Public Relations
CAP National Headquarters*

NATIONAL HEADQUARTERS — Civil Air Patrol volunteers across the nation were on alert as the new year rolled in.

Uniquely positioned to assist federal, state and local emergency management agencies with Y2K problems, CAP members manned emergency operations centers, stood by with volunteers, radio communications and aircraft in the event of widespread computer failures, power outages, disruptions in communications, civil unrest and acts of terrorism.

"One of our primary concerns about the Y2K roll-over was disruption in communications," said CAP National Commander Brig. Gen. James C. Bobick. "Civil Air Patrol operates one of the largest dedicated

communications networks in the world. It links our organization's fleet of 530 aircraft, 950 vehicles and 60,000 volunteers at more than 1,700 operation units."

CAP's communications network is capable of linking hundreds of mission bases, ground teams, command posts, and federal, state and county emergency management operations centers. On Dec. 31, CAP radio operators were ready to provide back up communications in many areas of the country. Wings had volunteers, vehicles and aircraft on standby to assist in shelter management, damage surveys, and transportation of federal, state and local officials.

In the event of wide-

spread emergencies, CAP volunteers would have reported directly to the CAP National Operations Center at Maxwell Air Force Base. The NOC, a centralized operations center located at CAP's National Headquarters, provides disaster relief agencies with 24-hour-a-day access to emergency services staff. From the center, CAP coordinates its resources in a region affected by a disaster.

CAP is congressionally chartered to provide assistance to federal agencies. It operates in partnership with FEMA, state and local emergency management agencies, and partners such as the American Red Cross and Salvation Army.



The following is a list of the states that reported to CAP National Headquarters and their activities:

Alabama: The wing furnished personnel to man the emergency center at Emergency Management Agency Headquarters in Clanton, Ala. Alabama also had flight crews on standby. Crews from Huntsville, Mobile, Birmingham, Gadsden, Dothan were ready to fly at a moment's notice.

Arkansas: Wing members were on call to provide services for the Arkansas Department of Emergency Services. In addition, members supported the SHARES program.

California: Mission coordinators manned State Office of Emergency Services on a 24-hour basis. Aircraft and crews were on alert throughout the state.

Connecticut: Participation included 24-hour

manning of CAP personnel at the Hartford Armory, Office of Emergency Management, beginning at 9 a.m. on Dec. 29. Taskings were to maintain HF and VHF communications, and air and ground video scan capability, if needed. HF equipment and communicators were assigned to several water departments throughout the state. Volunteers were also on standby for the American Red Cross for shelter management purposes.

Florida: The wing had three airplanes available for the transportation of National Guard leaders, plus wing personnel manned the state Emergency Operations Center.

Georgia: The wing was asked to standby to assist the Georgia Emergency Management Agency. Wing officials attended numerous

See **Y2K ...** Page 7

15 graduate SER staff college

SOUTHEAST REGION
Fifteen senior members from Florida, Georgia, Michigan, Mississippi, Tennessee and Virginia graduated from the week-long Southeast Region Staff College.

The intensive course was held at McGhee Tyson Air National Guard Base in Knoxville, Tenn.

Lt. Col. Kay Cunningham, director of the college and nine staff members from the Florida and Mississippi wings administered the program. Instructors from the U.S. Air Force and Air National Guard taught the classes, which included how to speak, listen and write, problem solving and moral courage.

At the opening session, Southeast Region Commander Col. Joseph Meighan Jr. said, "We recognize that your attendance at a one-week college where you are required to pay for all travel, living and scholastic costs is a personal burden. We also recognize that your participation proves your determination to contribute a more professional level of leadership service to the Civil Air Patrol."

Class graduates were: Lt. Col. Frank Middleton; Maj. S. Buddy Harris, Edith Street, Lenny Hann, Donald Sanders, Larry Wilson, Clarence Hauck, Edward Phelka and Mark McKirchy; Capt. Scott Clarkson, Paul Blystone, Ralph Thomas, Richard Dean and Harold Hickox; and 1st Lt. Roy Davis Jr.



Graduates and staff of the 1999 Southeast Region Staff College.

In addition to Cunningham, Maj. Roderick O'Flaherty, volunteer staff included: Lt. Cols. Frank White, Russell Schmidt, Freeman Parker, Arthur Little; Majs. William Crueton III, Paul Sova and Amy Ruth Boxwell; and 1st Lt. Edward Lege.

Y2K ... from Page 6

briefings at the command center in Atlanta. The wing provided contacts and alert rosters to emergency management officials. Volunteers were also on standby to help emergency managers in seven counties.

Illinois: Members geared up to provide support to the Illinois Department of Transportation, Division of Aeronautics in the event of catastrophic failure of telephonic communications and electric power as a result of a Y2K "millennium bug." Helicopters from the Division of Aeronautics were staged at various locations. CAP

communications teams set up HF radio communications, with generators, at each location. Another team, stationed at the Division of Aeronautics Headquarters in Springfield, were prepared to relay instructions to helicopter crews via HF radio. In the event of an emergency, two CAP aircraft "high birds" were ready to launch to relay additional communica-

tions traffic between the airborne helicopters and the Springfield headquarters.

Indiana: Aircraft, ground teams and communications stations were on standby for the Indiana State Emergency Management Agency.

Iowa: Volunteers worked closely with the Air National Guard in Des Moines. Members provided

Uniquely positioned to assist federal, state and local emergency management agencies with Y2K problems, CAP members manned emergency operations centers, stood by with volunteers, radio communications and aircraft ...

backup communications with an HF radio link for Y2K. On New Year's Eve, the wing provided an HF radio link to the State Emergency Operations Center at the state capital. The wing was also poised to provide support to Allient Energy, which operates the local nuclear power plant. Wing members were also coordinating with the Red Cross in the

event that agency was tasked to provide shelters.

Kansas: Volunteers assisted in the State Emergency Management Office and with the Army's MARS Radio system.

Maine: The wing worked with the Maine National Guard and Maine Emergency Management Agency on two statewide Y2K training sessions over the past months. The Communication Center at Maine Wing Headquarters and a number of stations throughout the state sup-

ported these agencies during the Y2K roll-over.

New Mexico: Wing aircraft and crew members were on standby to provide single-frame aerial video for emergency management officials. Through CAP's "slow-scan" video, images of a disaster area could have been transmitted directly to an emergency operations center within seconds.

New York: Members of

the Central New York Group were prepared to provide communications to Onondaga County. New York State Emergency Management Office requested communications support to the State Emergency Operations Center.

North Dakota: Volunteers were on standby to provide HF and FM support, and transportation. North Dakota Wing aircraft and ground units were part of the North Dakota Emergency Management radio system so volunteers could communicate directly with state emergency and law enforcement agencies.

Oklahoma: Wing staff were underground at midnight with other emergency managers in the state's emergency operations center, 30 feet below the capitol complex. Wing Commander Lt. Col. Virginia Keller and Lt. Col. W.H. Rotzinger manned CAP radios, while Maj. Kacy Harsha staffed a state-sponsored "Y2K help-line." Capt. Charles Newcomb worked with the center's public information staff. Wing pilots and communicators statewide were on alert to provide backup

communications to law enforcement and emergency management agencies.

Rhode Island: One member was assigned full-time with the state Emergency Management Agency. That individual would have triggered a recall for communications resources as needed. Approximately 12 radio operators were prepared to monitor the primary duplex frequency during the night and man CAP's station in the Emergency Operations Center and command post at Quonset State Airport.

Texas: Volunteers were ready to provide HF communications support for state agencies.

Wyoming: Cadets from the Cheyenne Composite Squadron aided the Wyoming Emergency Management Agency. They were prepared to serve in the State Operations and Coordination Center as runners, board-keepers and assistant radio operators. Squadron leaders established liaisons with local emergency management agencies and were available if needed. Aircraft were fueled and ready to go. Ground teams and other emergency services staff members were on call and volunteers monitored HF and VHF radio nets.

REUNION ... from Page 3

treme resonance of CAP as family in his own life since his cadet days, then said, "What you did was noble ... providing a first-line defense ... thank you for protecting the United States."

Bobick also recollected his own boyhood during World War II, which included growing up with rationing of important goods and shielding his radio's tiny red light to maintain a complete blackout of the family home.

The anti-sub veterans were

able to reminisce about much more stark aspects of the war — of seeing fields of debris, sometimes including floating bodies in the aftermath of a ship's torpedoing. Edwards told of spotting a U-boat in a period before Base Two was armed with bombs and depth charges. Tom O'Day related his horror in directly witnessing the obliteration of an ocean-going tug by a German-laid mine. Phipps noted with pride he had become highly interested in the forming of

the CAP during 1941 by Gill Robb Wilson and other aviation visionaries, and he managed to join on the very day of its inception.

Veteran and longtime professional photographer Glenn Cook functioned as unofficial chaplain, leading the group in thanks for yet another year with an opportunity to gather. Later, assisted by his wife, Bea, and sons, David and Robert, he took group photos just as he did at the base's official photographer in 1942 and 1943. Cook's grandchildren now add a third generation to the Base Two family.

The CAP Historical Foundation made a welcome and extensive presentation of plans for a greatly im-

proved CAP display at the Air Force Museum at Wright-Patterson Air Force Base in Dayton, Ohio. Depicting both the anti-sub and postwar eras of CAP, the World War II segment will feature the Base Two Fairchild 24 airplane that already hangs at the museum. It will be embellished by recreations of anti-sub ground support structures and more.

CAP National Historian Col. Leonard Blascovich considered the best news to be that the Base Two veterans elected to continue holding their annual reunions, extending the proud heritage of CAP from its earliest beginnings into the next millennium.

Education, learning: The future of Civil Air Patrol

Are you, as I am, hard pressed to keep up with the rapid pace of the electronic world today? If so, there is good news and bad news for us all.

The bad news is, it's going to get even more complicated in the future. Yet, the good news is that this electronic technology will provide the training capability we need to keep pace with our ever-changing society. Let's examine the future of learning in this technological age we live in.

According to an article in the Jan. 3 issue of *Information Week*, online courses will most likely become the standard method of corporate training in the next few years. The study, which surveyed 300 executives, found that 55 percent of the respondents' rated distance learning as a top business priority for the year 2000. Distance learning has become popular because it reduces the travel costs and scheduling difficulties associated with traditional classroom-based training.

A variety of companies in different industries are now launching distance learning initiatives aimed at both employees and customers. IBM Learning Services, a division of IBM Global Services, was scheduled at the end of 1999 to offer satellite-based training to business partners, employees and eventually higher-education institutions.

Also implementing online training are Charles Schwab, which is establishing a learning center for its Internet brokerage unit, and Lockheed Martin, which is implementing "KnowledgeNet Live," an interactive training product based on the traditional classroom model.

In the governmental arena, the Strom Thurmond National Defense Authorization Act for fiscal 1999 requires the secretary of defense to develop a strategic plan for guiding and expanding distance learning initiatives within the Department of Defense. The act includes a provision for the expansion of such initia-

tives over five consecutive years, beginning in fiscal 2000. The law states that the secretary focus on the Department of Defense education as well as training goals and objectives when developing the DoD Strategic Plan for Advanced Distributed Learning. It also recognizes prior efforts and allows the secretary to take into account the ongoing collaborative effort between the Department of Defense, other federal agencies, and private industry.

In higher education, according to the *Distance Education at Post Secondary Education Institutions: 1997-98 Report* just released by the U.S. Department of Education, distance-education programs have increased a startling 72 percent in colleges and universities over the last three years. The percentage of institutions of higher education using asynchronous (anytime, anyplace) Internet-based technologies nearly tripled from 22 to 60 percent.

Plainly, distance education and the Internet are becoming the medium of choice for training and education by industry, academia and the government, and future CAP operational planning and execution will ensure we are on-board with this fast-growing and valuable tool for learning.

Distance learning defined

Distance learning has been defined as structured learning that takes place without the physical presence of the instructor. Paper and mail correspondence courses fitting that definition date back to the 1800s and for many years changed very little.

With the advent of the computer and Internet, advanced distributed learning goes beyond traditional distance learning methods to leverage the full power of computer, information and communication technologies. This is accomplished through the use of

common standards in order to provide learning that can be tailored to individual needs and delivered anytime and anywhere. ADL also includes establishing an interoperable "computer-managed instruction" environment that supports the needs of developers, learners, instructors, administrators, managers and even families. In addition to all the current



NATIONAL PERSPECTIVE

Brig. Gen. James C. Bobick
CAP National Commander

methodologies, ADL encompasses the ongoing and expected improvements in learning methodologies.

The DoD ADL Initiative will include two parts: a strategy and later an implementation plan to carry out the strategy. A major part of DoD ADL is to develop instructional components characterized by such factors as accessibility from any location, interoperability between platforms, media and tools, durability to withstand technology changes, reusability, and cost effectiveness to provide significant increases in learning and readiness.

CAP DL Initiative

The CAP DL Initiative is being developed in concert with the DoD Strategic Plan for ADL and the Air Force Distance Learning Roadmap. Like the DoD initiative, the CAP initiative is intended to make meaningful, up-to-date, reliable training available to all members anytime, anywhere.

Last year, to develop our DL implementation plan, CAP began the strategy development process of reviewing distance learning initiatives currently underway in

the military, academia and corporate training environment to determine the attributes for successful DL programs. We also contracted the completion of a number of prototype internet-based online training courses on basic survival skills, emergency services and aircrew coordination. Additional courses are being developed in the areas of drug

demand reduction, search coverage, charts and grid navigation. Newly developed courses and links to other courses will be added to the CAP Web site as these prototypes are evaluated and refined.

The CAP DL Initiative will seek

the best mix of traditional classroom methods with technology enhanced training. This mix will be based on cost effectiveness, quality and availability while taking advantage of the distance learning initiatives currently underway in the military and civilian communities. Part of the CAP DL Initiative calls for an outside study of current CAP training courses, computer support requirements, and projected future training needs. From this study, recommendations will be made on methods, equipment, and manpower required to implement a sustained distance learning program for CAP.

Member benefits

Distance learning technologies promise tremendous benefits for CAP members in terms of standardized training, consistent quality and availability. They can enhance traditional CAP classroom training by delivering multimedia, interactive presentations that enhance student learning.

CAP members will also be able to access training in their special

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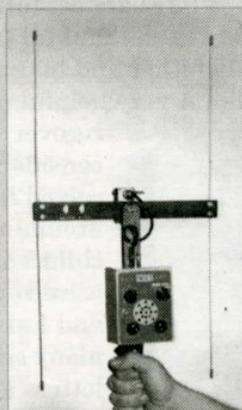
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FUTURE ... from Page 8

ties and continue their CAP professional development as their schedule permits using a combination of correspondence courses, video tapes, CD ROMS, video conferencing and Internet-based online courses. Unlike traditional classrooms, CAP members will be able to train using the same computer skills required in their CAP specialties.

As computer support systems expand, CAP will be able to use DL technologies to deliver updated, high-quality training and support when and where members anywhere in the United States need it. From their home or unit, members will be able to attend training, participate in conferences, share expertise and interests, work on collaborative projects, receive certification for training, or enroll in a course taking place 3 or 3,000 miles away as their schedule permits.

Into the 21st Century

With rapid and significant changes come marvelous and significant opportunities. I see the opportunities for our distance learning to significantly enhance the level of professionalism within all facets of CAP. How we train and communicate is the key to our success no matter what part of CAP we choose to be involved in.

Distance learning is a gift for which each CAP member should be thankful. Distance learning will make our lives that much easier to live in an environment that ensures we are well trained to meet any of the many CAP missions and tasks. Let each of us singularly and collectively climb on board to ensure we use this fast-growing and valuable tool for learning to the best of our advantage. Together as a team, let's take CAP proudly and professionally into the 21st Century.



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14400 Airport Blvd Amarillo, TX 79111 (800) 858-4370 / FAX (806) 335-2416



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Programming Software for VX-400

#R-CT42 \$72.95

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8 digit alphanumeric display and scan capabilities. Each channel can be programmed for wide-band or narrow-band, power output, transmit encode and receive decode. Certified to meet MIL-STD 810 C/D/E. Includes an 1100mAh NiCad battery, antenna and 2 hour rapid charger/battery conditioner.

#R-TOP-B221 \$429.95

Programming software for Tait Orca

#R-TOPA-SV-002 \$109.95



Tait T2020-CAP - The Tait T2020 is a VHF FM Mobile Radio that has been engineered by the Tait Radio Corporation, to be NTIA compliant exclusively for CAP. The T2020 will operate across the complete band from 136 to 174 MHz. This transceiver is a 100 channel 25-watt radio, with an 8 character alphanumeric display and scan capability. The T2020 can be programmed per channel for wide band or narrow band, power output, receive decode and transmit encode. It is ruggedly constructed, certified to meet MIL-STD-810E

#R-T2020-CAP \$469.95

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Kind, thoughtful help foundation of chaplain service

I wanted to share with you a letter I received from one of our Civil Air Patrol chaplains — Lt. Col. Eugene Packer of the Rocky Mountain Region. His letter sums up so well what the CAP Chaplain Service is all about; hence, I thought it best to reprint it in my monthly column. Happy reading and God bless you all!

Dear Jim,

Kind and thoughtful words, calls and letters are the foundation of our service as CAP Chaplains. I am fortunate to have been the recipient of this kind and thoughtful help as a chaplain. In November 1993, I was returning home from

work and was severely injured in a bike/truck accident.

I am fortunate to have survived, but the days, weeks,



FOCUS ON SERVICE

Chaplain (Col.) James Moore
Chief, CAP Chaplain Service

months and even years which followed were difficult in a medical sense. I had numerous surgeries and therapies to repair broken bones and damaged tissues.

I have almost fully recovered and I'm so thankful to my heavenly father and his son for their help. A very helpful part of that

recovery was the consideration received from people around me. My wife, children and parents were very helpful, and I also received many calls, visits, letters and words of encouragement from friends, associates and people I never

knew.

I especially remember the kindness and prayers of fellow CAP chaplains. They came to visit me in the hospital. They fre-

quently called, and I received many letters.

The CAP Chaplain Service also remembered me during my recovery, and saw beyond the immediate and daily needs of CAP service and allowed me to progress and serve. True religion is to visit and help those in need and I'm so grateful to work in an organization where true religion is practiced.

In all my years as a CAP chaplain and volunteer, my most memorable experience is the thoughtfulness and kindness given to me by the CAP Chaplain Service. Jim, you were a very big part of the things I mentioned above. Thank you so very much.

Sincerely, Gene

Some CAP-related expenses may be tax deductible

Seeing that the filing time for our 1999 federal income tax returns is near, this article explains how Civil Air Patrol-related expenses may be used on individual federal tax returns.

CAP is a federally chartered nonprofit corporation (since 1947) and, as a result, is qualified as "tax exempt" under Section 501(c)(3) of the Internal Revenue Code. Its 501(c)(3) federal tax-exempt status makes it eligible to receive donations which are deductible as charitable contributions on IRS Form 1040. (Refer to IRS Cumulative Publication 78.) State taxes may vary, however. For the record, the CAP National Headquarters Federal Tax Identification (EIN) Number is #75-6037853, and the Region and Wing Federal Tax Identification (EIN) Number is #53-6016171.

"Normal" CAP expenses members can deduct as a charitable contribution on the IRS Form 1040 are as follows: dues and other financial donations to CAP; the cost of uniforms and insignia; and unreimbursed overnight travel expenses away from home on a CAP activity including hotel, motel and meal expenses. Note: The Tax Reform Act of 1986 specifies that charitable-contribution deductions will not be allowed for travel expenses, including motel or hotel and meals, incurred in performance of services away from home if there is any significant element of personal pleasure, recreation or vacation included in the travel.

When members incur overnight expenses, they should keep a record which clearly indicates it was all CAP business. This is particu-

larly important for conferences.

Now, let's look at a couple of specific aircraft-related deductions.

❖ *Furnished Aircraft Operating Expenses:* Unreimbursed out-of-pocket expenses for fuel, oil, maintenance and repair may be deducted as a charitable contribution provided those ex-



LEGAL VIEW

Col. J. Scott Hamilton
Acting General Counsel
CAP National Headquarters

penses were incurred on authorized CAP flight activities. That means flights under CAP Regulation 60-1 with flight releases and proper uniforms. It is important to keep good records which includes copies of the CAP Form 99, flight release document. Out-of-pocket and unreimbursed expenses incurred in member-owned aircraft proficiency flights also will be deductible, but again, keep the same good records to support the deduction should you be audited. Members may not deduct pro-rata charges such as depreciation and insurance costs. It is emphasized, in order to be deductible, expenses must be incurred in an authorized CAP activity and be unreimbursed out-of-pocket type expenses. IRS Revenue Ruling 58-279 specifi-

cally authorizes these CAP-aircraft out-of-pocket-expense deductions.

❖ *Member-owned/furnished vehicle operating expenses:* The same IRS revenue ruling authorizes deducting out-of-pocket expenses incurred in the use of vehicles on CAP activities. The rules are the same. A member may deduct unreimbursed out-of-pocket expenses in the operation of vehicles on CAP activities. A member may not deduct indirect costs such as depreciation and insurance. In lieu of the out-of-pocket expenses, a member may deduct 14 cents per mile (up from the previous 12 cents per mile) for the use of privately owned vehicles on CAP activities, plus parking and tolls.

From time to time, CAP receives calls from members who are being audited. The member's lack of records is one of the most frequent difficulties with an IRS audit. Another is a lack of familiarity with CAP by an IRS auditor. The CAP general counsel may be able to help with the second problem and provide copies of appropriate revenue rulings.

Things not deductible as CAP charitable contributions include: the value of personal services to CAP or other charitable organizations; damage to or loss of an aircraft or vehicle or other property used for CAP purposes; and medical expenses incurred while on CAP activities. The damage and medical expenses, however, may be deducted on other parts of the IRS Form 1040, but not as a donation to CAP.

Inspecting your people is part of being a good leader

Inspecting your people is a basic part of being a leader. Inspections will not only show you who doesn't care about regulations, but also who doesn't know enough about them and needs more training. At activities, inspecting your people can also tell you if someone is ill, tired or unclean. Part of leadership is taking care of your people — knowing if any of your cadets are having problems. Finally, inspections are a good way for a commander to get some face to face time with his or her people.

When inspecting, your eyes should take the same path on every cadet. For instance, start at the emblem on the flight cap, check the fit and wear of the cap, check the hair, check the shave. On females check the earrings and makeup. Check the shirt starting at the cutouts, then the sleeve patches, and the press on the sleeves, the placement of the name tapes or name plate and ribbons. Then the gig line, the belt and belt buckle.

Check the fit of the trousers

or skirt at the waist, check the press of the trousers or skirt, finally the length. Check the shoes and hose or socks. Each cadet should be inspected in the same manner to allow you to fall into a rhythm. As you finish with an element and pass to the next, be sure to inspect the backs of the cadets you just inspected. Look for haircut, press, uniform fit and trouser or skirt length.

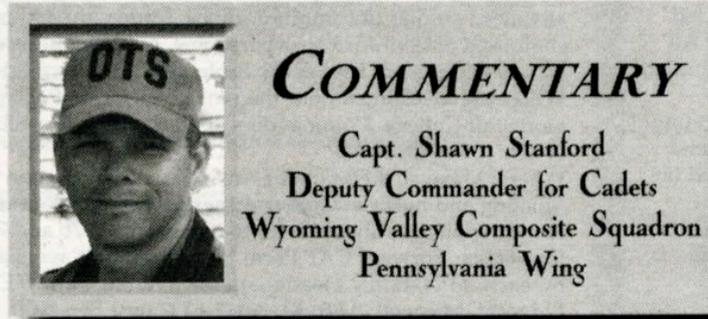
As you inspect, ask the cadet questions. They can be about anything, but should generally be about cadet program subjects. You should always ask the cadet if they have their ID card on their person. If you see a discrepancy, you can ask the cadet about it, but be prepared to ignore the answer. The only reason you want to ask about a problem is to let the cadet know there is a problem and to let the cadet know you know there's a problem.

Create a grading sheet, but keep it simple. A cadet's appearance is either outstanding, average or unsatisfactory. If the uniform is wrinkled, that's an unsatisfactory press. If it looks

looked.

The following is a suggested list of inspection items. Please feel free to add or subtract (or ignore):

- ▶▶ ID card [in possession];
- ▶▶ Uniform completeness [all required uniform parts present];
- ▶▶ Uniform fit [too snug, too loose, too long, too short];
- ▶▶ Uniform preparation [cleanliness, threads, pressed];
- ▶▶ Attachments to uniform - Complete, serviceable, worn properly.
- ▶▶ Hygiene [body odor, bad breath, cleanliness of hair, fingernails, ears];
- ▶▶ Haircut/hairstyle [in regulation];
- ▶▶ Shave/cosmetics [fresh shave, tasteful cosmetics];
- ▶▶ Jewelry [appropriate];
- ▶▶ Gig line ["military alignment"];
- ▶▶ Shoes/boots [shined, serviceable]; and
- ▶▶ Knowledge [cadet oath, chain of command, etc.].



COMMENTARY

Capt. Shawn Stanford
Deputy Commander for Cadets
Wyoming Valley Composite Squadron
Pennsylvania Wing

like it was ironed, but that he's been wearing it this evening, that's average. If it looks like the cadet and the uniform just stepped out of the laundry, that's outstanding. Your grading sheet should be based on that.

When you give a cadet an outstanding or unsatisfactory rating, be sure to briefly explain why. And after it's over, be sure you give the unit leader an overall opinion on how his or her cadets

National Cadet Special Activities — Summer 2000

ACTIVITY	DATES	MIN. AGE	NOTES	COST
Advance PJOC	June 24 - July 8	15	Note 1, 3	\$250
AETCFC (MS)	July 8 - 15	15		\$100
AETCFC (TX)	June 18 - 24	15		\$100
AFSPCFC (CO)	June 17 - 24	15		\$100
AFSPCFC (FL)	August 1 - 8	15		\$100
AFWAFC (Basic & Advanced)	June 25 - July 1	Note 2	Note 3, 7	\$150
COS	June 22 - 30	16		\$150
Hawk	July 8 - 16	13	Note 1, 4, 7	\$75
IACE	July 18 - August 2	17	Note 1, 5	\$100
JU/Comair	June 22 - July 16	16		\$3,200
NBB	July 21 - August 2	16	Note 1, 6, 7	\$175
NFA Glider (GA)	June 15 - 24	14		\$700
NFA Glider (OR)	July 16 - 29	14		\$700
NFA Glider (PA)	June 18 - July 1	14		\$700
NFA Glider (UT)	August 11 - 21	14		\$700
NFA Power (MA)	To be decided	16		\$700
NFA Power (TN)	June 18 - July 1	16		\$700
NFA Power (VA)	July 24 - August 4	16		\$700
NFA Power (WI)	June 16 - 26	16		\$700
NGSAR (Basic)	July 29 - August 6	13	Note 1, 7, 9	\$135
NGSAR (Advanced)	July 29 - August 6	13	Note 1, 7, 8, 9	\$135
NGSAR/MBSS/MAS (Pre-Course)	July 24 - 28	13	Note 7, 9	Note 10
MAS	July 29 - August 6	18	Note 7, 9	\$135
MBSS (Basic)	July 29 - August 6	16	Note 7, 9	\$135
MBSS (Advanced)	July 29 - August 6	18	Note 7, 9	\$135
PJOC (KY)	July 20 - 27	15	Note 1	\$125
PJOC (NM)	June 10 - 17	15	Note 1	\$125
PJOC (VA)	July 29 - August 5	15	Note 1	\$125

New application procedures: The new procedures, along with "postmarked by" deadlines for National Cadet Special Activities, are as follows: 1. CAP Form 31 sent to your wing headquarters — Dec 31; 2. Wings submit CAP Form 31s to CAP National Headquarters — Jan 31; 3. CAP National Headquarters sends activity directors and wing headquarters the slotting lists — Feb 29; 4. Cadets submit their payments in full to national headquarters — Mar 31. Also, Schedule & fees are subject to change without notice. Encampment credit required before the start of the activity. Every activity open to senior members who wish to be escorts.

Note 1: Physically demanding.

Note 2: No age but Rickenbacker achievement required.

Note 3: Advanced course requires basic course completion.

Note 4: National headquarters does not process the applications for this course. The application procedure is different than the other NCSAs.

Note 5: Activity fee does not cover the cost of IACE uniforms. The application procedure for IACE is different than the other NCSAs.

Note 6: Participants must already have at least their CAPF 101 General Emergency Services rating. The CAP Form 101T for Ground Team Member, the CAPF 76, and/or a current standard first aid card are highly desirable. Seniors possessing the CAPF 75 are also desired.

Note 7: This activity allows senior members to be full participants and/or staff.

Note 8: No age but NGSAR Basic Course (or equivalent) required. Contact Activity Director for details. Advanced first aid certification is recommended as well (and is available as a pre-course session).

Note 9: Staff fees are \$35 (total). Persons interested in staff positions should contact the Activity Director.

Note 10: The pre-course prerequisite training (like first aid or general emergency services) costs vary depending upon the course. Students must also be registered for one of the NGSAR/MBSS/MAS programs. Contact the activity director for more information.

2000 Senior Member Activity Schedule

National Inspector General College

What: The CAP National Inspector General College will be a key feature in the overall effort to address and improve shortcomings in regulatory compliance identified by several federal agencies that recently inspected CAP operations nationwide. All senior members serving or interested in serving as an inspector general or investigating officer are encouraged to attend. If you would like to be placed on the mailing list for additional information about the college, please write, e-mail or fax the point of contact below.

When: Early June 2000

Where: To be determined

Point of contact: Col. Scott Hamilton, CAP Assistant Executive Director, CAP National Headquarters, 105 S. Hansell St., Bldg. 714, Maxwell AFB, AL 36112-6332; shamilton@capnhq.gov; fax (334) 265-9590

Squadron Leadership School

What: The objective of Squadron Leadership School is to enhance a senior member's performance at the squadron level and increase his or hers understanding of the basic function of a squadron and how to improve squadron operations.

Who: Prerequisites for attendance are completion of Level I and enrollment in one or more specialty tracks.

When/ Where: Dates and locations announced annually by wing and region headquarters.

How: Apply on CAP Form 17 as directed by the unit.

FEMA National Emergency Management Institute

What: Various types of emergency service courses available.

Who: Any member interested in furthering their disaster relief education.

When/Where: Home study; enroll anytime

How: Contact the Registrars' Office, National Emergency Management Institute, 16825 South Seton Ave., Emmitsburg, MD 21721; or call (301) 447-6771

CAP National Staff College

What: The Civil Air Patrol National Staff College is the executive level, in-residence course for senior members who aspire to high level leadership in CAP. The purpose of the college is to provide CAP field grade officers the types of developmental experiences required to manage complex programs. The curriculum includes advanced studies in communications, leadership and management. The faculty is composed of Civil Air Patrol personnel, Air Force Reserve officers and faculty members of various Air University Professional Military Education Schools.

Who: Attendees must hold the rank of major and above, and have attended a Region Staff College. Commanders at all levels are especially encouraged to apply.

When: 21-28 Oct 2000

Where: Maxwell AFB-Gunter Annex, AL. Registration fee to be announced. Billeting and meals at Gunter Annex at individual's expense.

How: Applicants should refer to paragraphs 2-7b and 7-2 of CAP Regulation 50-17 for details. Forward CAP Form 17 through unit, wing and region, for endorsement by each, to National Headquarters Civil Air Patrol/ETS, 105 South Hansell St., Bldg.714, Maxwell, AFB, AL 36112-6332 by 1 Sep 2000.

Flight Clinics

What: CAP Regions and/or Wings have considerable latitude in development of Flight Clinics. They may be co-sponsored by approved external sources (e.g., FAA, AOPA). Partial funding is available in accordance with CAPR 50-11. Clinics must include both a ground and a flight phase. Flight Clinics are designed to increase pilot proficiency and safety consciousness.

Who: Anyone may attend, however, funding is limited to one clinic per CAP pilot per fiscal year.

How: Apply through channels on CAPF 17 to Civil Air Patrol Region or Wing HQ.

Mission Aircrew School

What: This week-long course offers training established by the National Emergency Services Curriculum Project to qualify members as mission pilots or observer/scanners, depending on which track a student participates in.

Who: All operationally oriented senior and cadet members may apply. This activity can be physically challenging. Students will be expected to perform all of the tasks required of aircrew members including survival training.

When: The main school will be conducted from the 29 Jul-6 Aug 2000. Optional pre-course sessions will be conducted from 24-28 Jul 2000, but not required.

How: Apply through channels on a CAPF 31 to National Headquarters CAP/DOS, Bldg. 714, 105 S. Hansell St., Maxwell AFB, AL 36112-6332. Slots are assigned on a first come, first served basis for senior students. Staff members are selected on a case by case basis by the director. For questions, please contact the director, John Desmarais, at jdesmarais@capnhq.gov or fax at (334) 953-4242.

AFRCC SAR Management Course

What: A two-day AFRCC conducted course designed for Civil Air Patrol Mission Coordinators and other Civil Air Patrol Search and Rescue personnel. Covers all facets of inland search and rescue.

Who: Each CAP region or wing hosting the course determines eligibility.

When/ Where: Courses are typically hosted by a local wing or region and announced locally as well as being posted on the AFRCC web site at <http://www.acc.af.mil/afrc>.

How: Apply through channels on a CAPF 17 to the host wing or region at least 45 days in advance.

Corporate Learning Course

What: The Corporate Learning Course is designed to explore how a wing operates in each of CAP's major mission elements and how mission support functions contribute to these mission elements.

Who: Eligible CAP members who have attained the technician level of their specialty track and have attended a Squadron Leadership School.

Where: Scheduled by wings and regions annually.

How: Apply on CAP Form 17 as directed by the unit.

National Ground Search and Rescue School

What: The week-long National Ground Search and Rescue School offers training established by the National Emergency Services Curriculum Project to qualify members as ground team members or leaders, depending on whether a student participates in the basic or advanced course respectively.

Who: All operationally oriented senior and cadet members may apply. This activity is field oriented and can be physically challenging, so applicants should be in relatively good shape.

There is lots of hiking and field exercises as part of this activity.

When: The main school will be conducted from 29 Jul-6 Aug 2000. Optional pre-course sessions will be conducted from 24-28 Jul 2000, but are not required.

How: Apply through channels on a CAP Form 31 to CAP National Headquarters (CAP/DOS), Bldg. 714, 105 S. Hansell St., Maxwell AFB, AL 36112-6332. Slots are assigned on a first come, first served basis for senior students, and staff members are selected on a case-by-case basis by the school director. If you have any questions, please contact the school director, John Desmarais, at jdesmarais@capnhq.gov or via fax at (334) 953-4242.



Inland Search and Rescue Planner Course

What: A five-day course conducted by the staff of the National SAR School to enhance the professionalism of CAP mission coordinators. The curriculum includes all aspects of organization, planning, communications, and operations involving inland SAR.

Who: All operationally oriented senior members may apply, but preference will be given to current mission coordinators or trainees. Additionally, if a member has attended previously, but not within the last three to four years, then they can attend as a refresher. Preference will be given to personnel who have not attended before.

When: The following FY00 classes still have openings. (Please note application deadlines.) Additional information and new courses are released quarterly in the *Ops Brief Newsletter*.

Courses:

17-21 Apr 2000, **Montana (Location TBD), 25 Feb 2000**
1-5 May 2000, **Columbus, OH, 3 Mar 2000**
15-19 May 2000, **Fort Indiantown Gap, PA, 17 Mar 2000**

26-30 Jun 2000, **USCG RTC Yorktown, VA, 28 Apr 2000**
28 Aug-1 Sep 2000, **USCG RTC Yorktown, VA, 30 Jun 2000**

How: Apply through channels on CAPF 17 to National Headquarters CAP/DOS, Bldg. 714, 105 S. Hansell St., Maxwell AFB, AL 36112-6332. Application deadline is 45 days prior to school start date. For questions, contact the headquarters emergency services staff via e-mail at dos@capnhq.gov or fax (334) 953-6342.

Mission Base Staff School

What: This week-long course offers training established by the National Emergency Services Curriculum Project to qualify members as entry level mission base staff personnel or section chiefs and command staff personnel, depending on whether a student participates in the basic or advanced course respectively.

Who: All operationally oriented senior and cadet members may apply. This activity can

be physically challenging. Students will be expected to perform all of the tasks required of mission base staff personnel including staging area exercises and orientation sorties with aircrews and ground teams.

When: The main school will be conducted from 29 Jul-6 Aug 2000. Optional pre-course sessions will be conducted from 24-28 Jul, but are not required.

How: Apply through channels on a CAPF

31 to National Headquarters CAP/DOS, Bldg. 714, 105 S. Hansell St., Maxwell AFB, AL 36112-6332. Slots are assigned on a first come, first served basis for senior students. Staff members are selected on a case by case basis by the director. If you have any questions contact the director, John Desmarais, at jdesmarais@capnhq.gov or fax at (334) 953-4242.

Region Staff College

What: Region Staff College is a formal in-residence program required for completion of Level IV. The purpose of each RSC is to help prepare selected CAP officers to execute duties and responsibilities associated with CAP command and staff positions. Courses include lectures and seminars covering interpersonal communications, leadership and management, and training techniques.

Who: CAP officers who have completed Level III and who hold command or staff positions

Northeast Region Staff College

Director: Lt. Col. Mary E. Lynch, P.O. Box 99, RT 35, S. Salem, NY 10590-0099; (914) 763-3835

When/Where: 16-22 Jul 2000/NCO Academy, McGuire AFB, NJ

How: Apply through channels on CAP Form 17. Registration fee is \$45. Make check payable to NER-CAP. Billeting \$12.50/night. Meals \$5-6 per day.

Southeast Region Staff College

Director: Lt. Col. Kay Cunningham, 4680 NW 99th Ave., Sunrise, FL 33321; (H) (954) 741-8180

When/Where: 24-30 Aug 2000/McGhee, Tyson ANGB, Knoxville, TN

How: Apply on CAPF 17 through channels. Submit \$50 deposit with application to the director at the above address by 1 Aug 2000. Limited to 20 students. Students from other regions welcome.

Extension Course Institute

What: The Extension Course Institute is the correspondence school of the US Air Force. Its services are available without cost to Civil Air Patrol members. Two broad areas of study are available: professional military education and specialized technical courses. Military courses are provided to improve knowledge of command and leader-

Great Lakes Region Staff College

Director: Lt. Col. Richard Neuwirth, 05332 Moser Rd, Rt 3, Defiance, OH 43512; (H) (419) 497-3880; (Bus fax) (419) 497-3401; rcvneuwbright.net

When/Where: 16-22 Jul 2000/Rickenbacher ANGB, Columbus, OH
How: Apply on CAPF 17 through channels to the Great Lakes Region Headquarters. Fees to be announced.

Middle East Region Staff College

Director: Col. Ned Shows, 114 W. Johnston St., Summerville, SC 29483; (H) (843) 873-0827; nhenleys@juno.com

When/Where: 17-22 Jul 200, Peace College, Raleigh, NC
How: Apply on CAPF 17 through channels to Middle East Region Headquarters. Submit \$25 deposit with application. Total fee will be \$195. Billeting and messing at the college.

North Central Region Staff College

Director: Lt. Col. Mary Donley, 608 East 28th St., Sioux Falls, SD 57105; (H) (605) 334-7797, (W) (605) 368-2434, e-mail - mary.donley@cwix.com

When/Where: 24-30 Jun 2000, Offutt AFB, Omaha, NE
How: Submit CAPF 17 w/Wing CC signature including \$25 (non-refundable) deposit payable to NCR-CAP to course director. Application with deposit must be received by Director by 31 May 2000. Total activity fee TBD. Lodging available on base, space available.

Rocky Mountain Region Staff College

Director: Lt. Col. Lynn Forsythe, 9308

Steeplehill Dr., Las Vegas, NV 89117; (702) 255-0018;

lynnforsythe@lj.net

When/Where: 8-16 Jul 2000, Peterson AFB/USAF Academy, Colorado Springs, CO

How: Apply through channels on CAP Form 17 to: Maj. Robert Cook, CAP, DCS Senior Programs, Box 189, Frisco, CO 80443, (e-mail; rcalc@juno.com) by 10 Jun 2000. Total fee \$125. Submit \$40 deposit with application, check made out to RMR Staff College.

Pacific Region Staff College

Director: Maj. Peggy Myrick, 3930 Hollyhock Way, San Luis Obispo, CA 93410; (805) 593-2919; fax (805) 599-1167; lfmyrick@aol.com

When/Where: 24 Jun - 1 Jul 2000, Nellis AFB Las Vegas, NV
How: CAP Form 17 through channels to above address by 1 May 2000. Total fee is \$150. Submit \$50 deposit with application.

Southwest Region Staff College

Director: Maj. Amos Plante, 2856A Steamship Circle, River Ridge, LA 70123; (H) (504) 734-1843, (W) 504 875-7768; 74107.1003@compuserve.com

When/Where: 9-15 Jul 2000, Kirtland AFB, Albuquerque, NM.
How: Apply through channels on CAP Form 17 to DCS Senior Programs, SWR/HQ, Box 292755, Lewisville, TX 75029-2755 by 1 Jun 2000. Submit \$25 deposit with application.

Pamphlet 8, Unit Test Control Officers Handbook.

How: As prescribed in CAP Pamphlet 8 or CAP Regulation 50-17 for ECI Courses. Certain time restrictions and course-completion requirements are identified in the *ECI Catalog* and in course materials provided by ECI. Use ECI Form 23, Maxwell AFB Form 53 or Maxwell AFB Form 117. Submit application through unit and wing test control officers to ECI.

National Executive Committee approves program changes

The Civil Air Patrol National Executive Committee, in their November 1999 meeting held at CAP National Headquarters, approved the following changes to the CAP Cadet Program:

□ *National Cadet Competition Cord* — The NEC approved a policy that “all drill teams and color guards shall wear the same shoulder cord and shall wear them in accordance with current CAP regulations.” Here are the procedures:

— Cadets, while participating in drill team or color guard duties, may wear a white shoulder cord only while participating in drill or guard duties. (See CAP Manual 39-1, Paragraph 7.2).

— The only cords authorized are the ones with the same style and shading as found in the CAP Bookstore.

— Seniors are ineligible to wear the white shoulder cord, even if participating in a drill team or color guard.

— Regulation(s)/form(s) affected: CAP Manual 39-1 and the future NCC regulation.

□ *C172 orientation flight reimbursement rate* — The NEC approved the recommendation of the NEC Operations Committee that “the NEC approve a front-seat orientation flight reimbursement rate at the standard mission reimbursement rate of \$20 per ride with no differential based on aircraft type.”

Here are the procedures:

— Cessna 172s (and other similar type aircraft) will be reimbursed at the same rate as Cessna 182s (and other similar type aircraft) for front-seat orientation flights, which is \$20 per syllabus ride flown.

— This new rate will be credited using the CAP Form 7 for all flights flown after Dec. 31, 1999.

— This rate change does not affect the glider reimbursement rate of \$25. [Note: Cadets may be reimbursed up to five glider rides. These glider rides replace any of



the powered front-seat rides in the CAP Form 77 syllabus. Once a cadet reaches five glider and/or powered front-seat rides, they can receive credit for the flight, but with no reimbursement. Powered back-seat rides are unaffected by the rate change.]

— Regulation(s)/form(s) affected: CAP Form 7, CAP Form 77.

□ *NCAC representation change* — CAP National Commander Brig. Gen. James C. Bobick stated that, in discussion

— The region representatives are entitled to vote. The chair votes only in matters of a tie.

— Regulation(s)/form(s) affected: CAP Regulation 52-16, NCAC Constitution and Bylaws.

The Cadet Programs Directorate at CAP National Headquarters will be releasing policy letters shortly and will be changing any affected regulations as we are able.

Check your CAP Form 55a

We advertised back in June

National Cadet Competition Cord

The NEC approved a policy that “all drill teams and color guards shall wear the same shoulder cord and shall wear them in accordance with current CAP regulations.”

with the chairman of the CAP National Cadet Advisory Council and with region and wing advisory councils, he realized the committee is not structured properly. When one of the eight members of the NCAC becomes the chair, that region is not really represented. The regions are currently sending an alternate to fill that seat for the region. He recommended that the membership number of the NCAC be changed from eight to nine so that when a chair is elected, he/she stands alone. The region the chair represented then elects another representative to the NCAC. The NEC approved the change to the NCAC Constitution and Bylaws.

Here are the procedures:

— A cadet elected chair of the NCAC will immediately represent the national council.

— The region that appointed the cadet elected as NCAC chair is entitled to appoint another cadet to be on the council to represent the region.

1999 that old versions of the CAP Form 55a would no longer be accepted after Oct. 1, 1999. The current version of this form is printed on white card stock and is dated May 1999.

We advertised this phaseout in the June 1999 *Civil Air Patrol News*, which was mailed to every CAP member. We also published this information in the June 1999 issue of the *Cadet Programs Today* newsletter, which was mailed to every unit in June. Finally, we posted this information on our web site (<http://www.capnhq.gov/nhq/cp/cpc/cptjun99.htm>), also in June. We felt that four months was adequate time for units to order the new forms.

CAP National Headquarters will now return any CAP Form 55a that is not the current version, which may delay a unit's request for exam materials. We have made available for download the current CAP Form 55a, in Microsoft Word format. Simply

visit the national Web site at www.capnhq.gov, click on “Cadet Programs,” then click “Important Links.”

From the NCAC members ...

Have you ever had an idea — a really good idea — but you didn't know how to make it a reality? Have you ever wanted to discuss a challenging issue with other cadets and get their advice?

What if we told you there are excellent groups of people to go to with such issues — anytime! Those groups are the CAP cadet advisory councils. These councils are available so that cadets can make their ideas heard and get advice.

But how do you do this, you ask? Well, quite simply, go to the next meeting or call your chairman. And be prepared — write a proposal, get on the agenda, and talk to other CAC members about your ideas. Communicate!

For the year 2000, the NCAC has made it a goal to improve communication

between all levels of the CAC. Please help us achieve this goal by following these suggestions:

- Attend all CAC meetings;
- Talk frequently with other CAC representatives, even informal communication is beneficial;
- Come prepared to CAC meetings. Come with ideas, discussion topics and proposals;
- Encourage your CAC chairman to use e-mail and Web sites as tools to improve communication within your council and between the CAC and wing and region staff members;
- Ensure that you and other representatives are getting the CAC agenda before the meetings so you can prepare, and that the meeting minutes are distributed after you meet so everyone can know what occurred at the meeting; and

• Help the council submit ideas to the next higher echelon of the CAC by putting your thoughts in writing. Join a committee and contribute to its success.

CAT Principle: Training, education keys to retention

In our last article, we wrote about the second element of the CAT Principle — retention through appreciation. Specifically we addressed the value of saying “thank you” and taking advantage of the CAP awards program.

In this article, the last in our CAT (communication, appreciation, and training) Principle series, we would like to focus on retention through training. The idea is simple: people will not stay with an organization if they do not know what to do and don't have the means to find out.

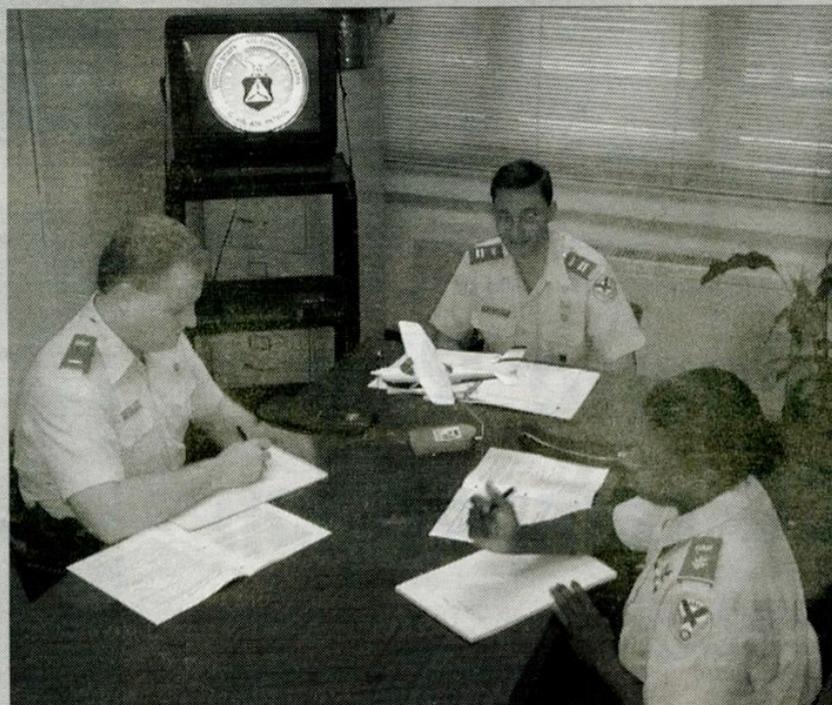
Think about a time when you wanted to do something — fix your car, do some homework, anything — and you didn't know what you were doing or even where to start. What did you do? You looked for direction — a person or book that could tell you how to complete the task. But what if you couldn't find who or what you needed? What if you couldn't understand the directions? It would be very difficult.

The same is true for work in Civil Air Patrol. When new members come to the program they have no idea which end is up. For some people, their only desire in the beginning is to help the organization, but they need guidance as to where they can best contribute. It's perfectly natural not to know what to do in a new situation.

The more experienced members — no matter what they do for CAP — have an obligation to give their fellow members the direction they need to succeed in CAP. This is just as important to the senior member who has spent 10 years as an administrative officer and wants to become a mission-rated observer just as much as it is to the new member at his or her first meeting.

CAP's Senior Member Training Program is an active training program. CAP Regulation 50-17 talks about the scope and framework of senior member learning. The SMTP is based on the “on-the-job” training concept, which is ideally suited for how senior members learn. Most seniors learn their ci-

Senior Training



Providing diverse and challenging education and training opportunities for CAP senior members will result in an increased unit retention rate.

vilian jobs by basically doing their job under supervision and with periodic seminar training assistance to back it up. They are far from being left with no direction, though we agree it's a more informal approach than traditional learning. It also makes sense that the more we're exposed to a certain way of learning, the more comfortable we are and easier it is for us to absorb the information presented. CAP's SMTP teaching philosophy is no different.

The reason we explained how the SMTP works is so you can more easily administer the program. Since it is based on the “OJT” training concept it is an active program for commanders, training officers and participants. To make the SMTP work there is a certain amount of participation involved at all levels. This includes scheduling the senior side of the meeting to allow for more effective OJT, with

an effective senior programs officer and support. One of the senior programs officer's primary tools is the CAP 200 series pamphlets: Specialty Track Study Guides. These pamphlets are your OJT training guides and you'll find them to be very effective tools.

CAP SMTP is specifically designed to leave a lot of latitude for units to tailor their own programs to best fit the needs of their members. Unit training programs should be continually reviewed to see that they work harmoniously with group, wing, region and national programs. Perhaps your unit can help a higher echelon by sponsoring training opportunities such as Level I, CPPT and other major requirement seminars.

The Senior Member Training Program is more than just training for training's sake. It goes back to what was written about in the last article — morale. Through

communication, appreciation and training, we all have to work to keep morale high for ourselves and the people we serve. When members are trained and do their jobs well, their level of pride and satisfaction naturally grows and they will do more for the unit.

As you have read, our retention philosophy is simple: 1) If you communicate with your people and listen to them, everyone will have the information they need to get the job done; 2) If you thank your people for their contributions, no matter how small, they will remember it and work harder for you; and 3) If you train your people continuously, actively and uniformly, they will have the desire to learn and grow, and to gain the knowledge to get the job done.

This requires the effort of everyone — leaders and followers alike. The leaders must provide the appropriate tools. The followers must participate, provide feedback, and take the lead when required.

Combine these three elements and we think you will have a great start toward building a force who will work enthusiastically and efficiently, and who will stay with you far into the future.

Cross-Talk: Sharing the best

Periodically, the senior training program publishes excerpts from the CAP-U.S. Air Force Inspector General Cross-Talk reports to let you see the good work wing senior program directorates are doing around the country. The following 1999 selections are reprinted here as they were written by the IG:

✦ Senior programs officer developed a two-hour Level I instructors course which is normally presented at the wing conference. To qualify as a Level I instructor, members must attend this course and then serve as an assistant Level I instructor.

✦ All new members complete Level I training and CPPT at earliest opportunity; normally within the first three weeks. All current senior members have completed training.

A cadet stands tall under the intense scrutiny of the Air Force Honor Guard evaluators.



A competing drill team works their magic during the innovative drill portion of the competition.

Louisiana, Puerto Rico win 1999 NCC competition

NATIONAL HEADQUARTERS — For the second year in a row, Louisiana cadets topped competitors in the Drill Team event, one of two events that made up Civil Air Patrol's 1999 National Cadet Competition at Maxwell Air Force Base, Ala., Dec. 27-30. Puerto Rico cadets posted a first place win in the Color Guard event. In all, 168 young people vied for honors in academic, leadership, and physical fitness as part of the competition.

Each of Civil Air Patrol's eight regions sponsored teams to compete in two divisions: the National Drill Competition and the National Color Guard Competition.

Louisiana cadets won first-place honors in the drill division, beating seven other teams. The Puerto Rico drill team took second place, followed by a third-place finish by the cadets from Massachusetts. Teams from Delaware, Illinois, North Dakota, Utah and Washington also competed in this year's National Drill Competition.

Puerto Rico youths posted a first-place win in the Color Guard division, with Virginia cadets finishing second and Massachusetts and Utah tying for third. Cadets from Indiana,

Missouri, Texas, and Washington also represented their regions at the National Color Guard Competition.

"The National Cadet Competition emphasizes teamwork and that teamwork fosters individual excellence," says CAP National Commander Brig. Gen. James C. Bobick. "Every young person here personally triumphed."

Several cadets won individual honors throughout the competition. Indiana cadet Phillip Foust received the high score on the written examination for Color Guard competitors; North Dakota cadet James Vranish and Utah cadet Annie Yu tied for the high score on the written exam for Drill Team participants.

In the drill division, Massachusetts Wing cadet Patrick Murphy won the mile-run with a time of 4:39, slightly less than his time of 4:16 in last year's competition; North Dakota cadet Elise Peterson ran the mile in 6:08 posting the fastest time among female Drill Team competitors.

Among Color Guard competitors, Puerto Rico cadet Ricardo Garcia outran the rest with a time of 4:35, three seconds slower than his score

last year; Utah cadet Annette Johnson completed the mile in 5:49, finishing first among the young women.

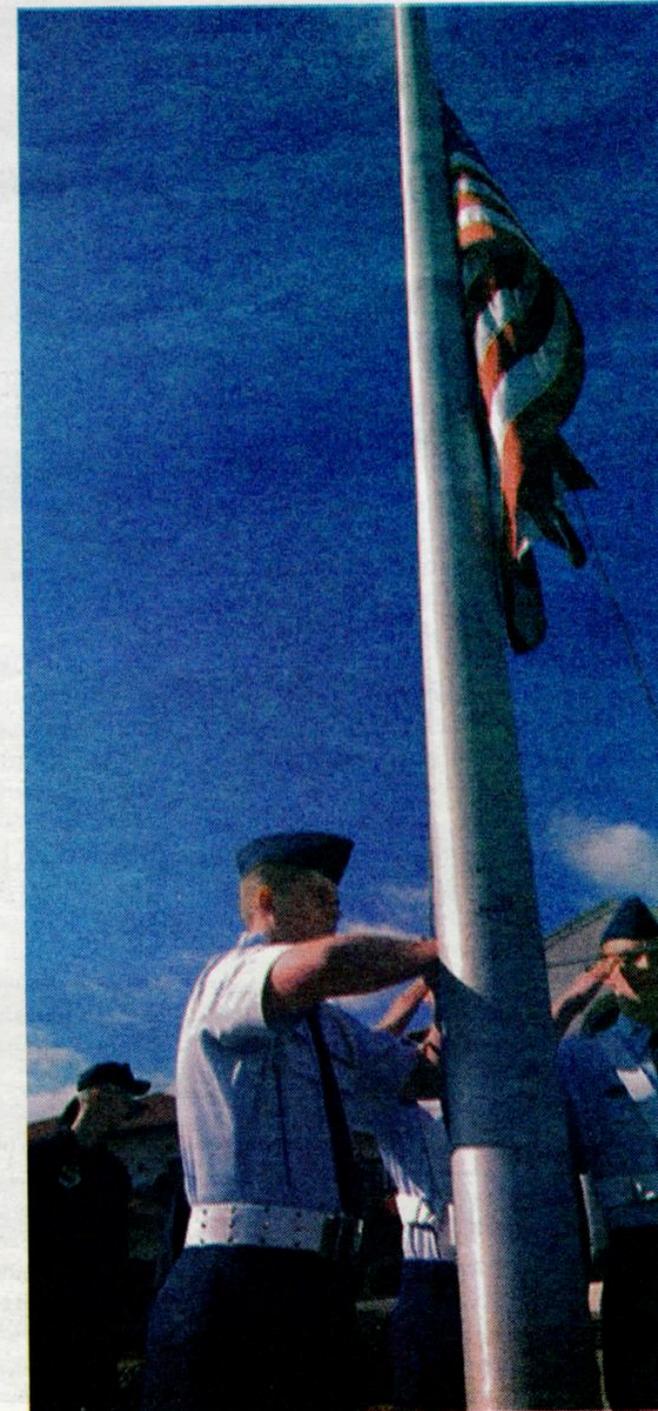
Massachusetts cadet Jamie Sullivan was named outstanding cadet for the Drill competition; Missouri Wing Cadet Caleb Unruh was picked as outstanding cadet among Color Guard competitors.

The Drill Team division tests academic, physical fitness, discipline, teamwork and leadership abilities developed through CAP's Cadet Programs. The teams, which won competitions at the regional level, consist of 16 cadets. The young men and women competed in standard and innovative marching drills, a volleyball tournament, one-mile run and academic panel quiz. Cadets taking part in this event normally range between ages 15-20.

The National Color Guard Competition is designed to measure the progress of CAP's younger cadet members. Each team consists of five members who perform a series of drills while presenting and posting the flags of the United States, Civil Air Patrol, and the U.S. Air Force. To test physical fitness, Color Guard competitors must complete a one-mile run.



Air Force Honor Guard evaluators check every detail du



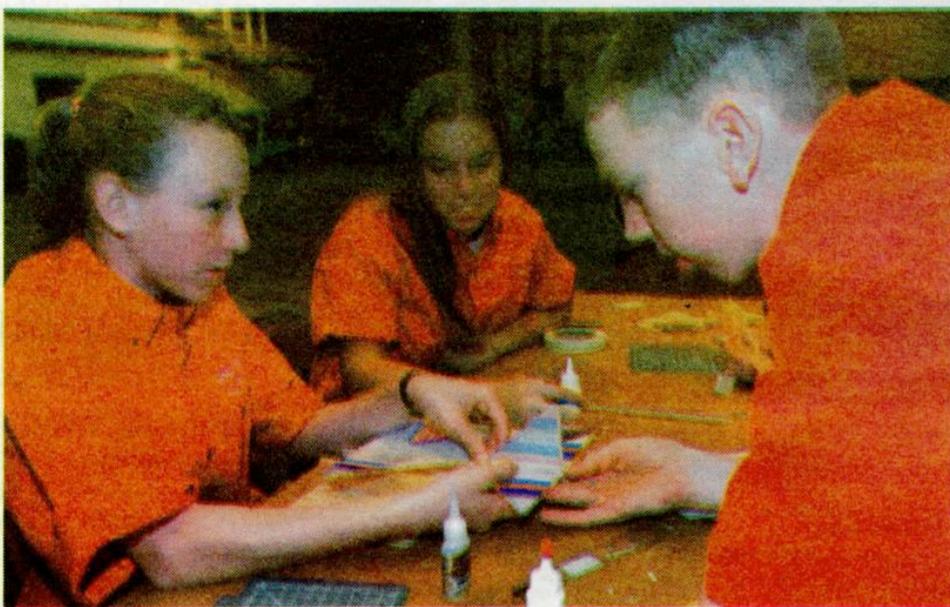
A color guard team posts the colors outdoors under th



in-ranks inspection.



Cadets give their all during the mile run.



Cadets build airplanes as part of the NCC aerospace education experience.



The Southwest Region color guard retires the flag.



Cadets stretch before the mile run.



A drill team readies for an in-ranks inspection.



Two cadets size up the competition.



ful eye of evaluators.

'Puff Daddy's' appearance thrills lab scientists

Editor's note: The following aerospace education article first appeared in the Kirtland Air Force Base, N.M., base newspaper, and was picked up and featured as a story by Air Force Print News. The article was written by Sandra-Carol Allen, a public affairs specialist with the Air Force Research Laboratory Public Affairs Office at Kirtland.

KIRTLAND AIR FORCE BASE, N.M. (AFPN) — Scientists at the Air Force Research Laboratory's Starfire Optical Range here waited four nights for a visit by the elusive "Puff Daddy."

Scientists and engineers were hoping the Leonid Meteor shower, which peaked Nov. 18, would produce just one "fireball" that could unravel a mystery occurring 60 miles overhead. At almost the last possible moment, one occurred, and was named after the rap musician because of its shape.

Scientists from the universities of Arizona and Illinois, Aerospace Corporation and the laboratory's Directed Energy Directorate here, had kept specialized instruments trained on the sky over New Mexico. For three nights they searched for the fireballs that would produce the necessary lingering trails needed for their study of the upper atmosphere.

Glowworms in the sky

The Leonid meteor shower, which peaked over Europe the third night, had produced as many as 2,000 meteors per hour. And, though no contrail-producing fireballs had been reported in Europe, the scientists on a dark quiet mountaintop on the southern end of Kirtland Air Force Base, N.M., refused to give up.

They knew all too well that the Leonid shower, caused by the vaporization in the Earth's atmosphere of grains of sand and dust from the comet Temple Tuttle, only occurs every 33 years.

According to Dr. Jack

Aerospace Education



A Leonid meteor shower fireball dubbed "Puff Daddy" takes shape 50 miles above the earth's surface.

Drummond, research laboratory astronomer, the Leonid meteors leave behind trails which, unlike ordinary meteors that fade in a matter of seconds, can last up to an hour. The phenomenon is still unexplained. Chances to study these trails are best during the shower's peak year of 1999, with an outside chance one year on either side of the peak year.

"I call these lingering meteor trails 'glowworms in the sky' since they are not only visible for minutes by chemical reactions, but are twisted by the winds into serpentine shapes, appearing like snakes or worms," Drummond explained.

'Puff Daddy' appears

So, for three nights the scientists watched and waited for the appearance of the glowworms. Hope began to dwindle on the third night as the wind picked up and clouds moved in and obscured the starlight and the chances of finding answers to their questions about the glowing trails.

Illinois scientist, Dr. Chester Gardner, for its billowing shape. Puff Daddy was tracked for 30 minutes with a sodium lidar, attached to the 3.5-meter telescope at Starfire.

To the lidar, a radar that operates at visible wavelengths and measures the amount, velocity and temperature of neutral sodium atoms, Puff Daddy presented a forest of spikes—enhancements in the amount of sodium at a multitude of altitudes.

Unlocking the mystery

Gardner, who probed Puff Daddy with the lidar, said the lingering trail may ultimately unlock the mystery as to why these trails glow in the sky. Drummond, who guided lasers onto the trails when they appeared last year, said the lingering meteor trails are self-luminescent.

This year, scientists wanted an opportunity to gather data that would explain the glow. Last year's data indicates, although sodium may be involved in a catalytic reaction with ozone to produce sodium airglow, that it is not the principle emission from the trails. To gather the data, three spectrographs, two visible to the naked eye, and one, in the infrared wavelengths not visible to the naked eye, were aimed at the trail. The spectrographs divide light into a color spectrum, revealing bright (emission) and dark (absorption) lines produced by elements and molecules. The spectra the scientists obtained from Puff Daddy may reveal the telltale emission line that will help identify the unknown elements involved in the emission.

Drummond continued the vigil for a fourth night. However, as daylight grew near, the chances of success dimmed and the group realized, but left unspoken, the idea that it might be another 33 years before the data they sought could be derived from the elusive "fireballs."

Then, just three hours before daylight would extinguish any chance of success, a meteor, just a bit brighter than the brightest star, streaked across the inky black New Mexico sky. It left a glowing trail visible to the naked eye for about five minutes.

"Puff Daddy" had appeared. Arriving at 3:05 a.m., the contrail was so named by University of

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- Norm Poff:** Lunar/Meteorite Sample Loan Program Certification
- Dorinda Risenhoover:** Picture Puzzles
- Michael McArdle:** High School Students, Aircraft, and World War I
- Bruce Bleakley:** San Diego Aerospace Museum
- Michiel Kasteleijn:** Aviation Education and the Internet
- Dr. Charley Rodriguez:** Classroom Activities in Aerodynamics
- Elizabeth Davis:** AMA Excellence In Aviation Education Awards
- Wendy Behrens:** The Mission Endeavour Project: A Space Science Curriculum and Simulation Activity
- Tony Docal:** Project MASCOT
- Michael Patterson & Barbara Leavitt:** Teaching Aerospace With Stamps, Coins, Magazines, Art, Space Cards
- Dr. Robert Horton:** Rockets Away ... with 2-Liter Bottle Rocketry
- Tom Sabatino:** Paper Flying Aircraft Models
- Marilyn Tyler:** Primary Aerospace Activities
- Drew Alexa, Mike McNeely & Troy Thrash:** Satellite Tool Kit
- Joan Whitney:** Windows To The Universe
- Steven Applebaum:** How to Build a Scale Model 1902 Wright Glider for 25 Cents or Less
- Alice Bauserman & Catherine Kenney:** Achieving Aerospace Excellence
- Shelia Bauer:** The Federal Aviation Administration's Aviation Education Program for the New Millennium
- Dr. Jo Carol Jones:** UAA Career Pipeline
- Jane Patton:** Going Places With Jane Patton
- Rheata Dozier & Amy Salter:** Astronauts To Airplanes
- Cheryl Cotton:** On Our Way Through Milky Way
- Michiel Kasteleijn:** Aviation Education And The Internet
- Dr. Charley Rodriguez:** Aerodynamics For The Classroom
- Dave Reisenwitz:** Developing Community Partnerships
- Brian Hawkins:** Rockets — Teaching Math and Science the NASA Way
- Konrad Dannenberg:** The Von Braun Rocket Team
- Lesley Ewing & Cindy O'Brien:** Old Macdonald's Hydroponic Farm
- Pete Thomas:** Kimoto Flyers — Basic Aerodynamics for Kindergarten through Eighth Grade

ARRIVAL AIRLIFT

Region	Pickup Date	Depart	Dropoff Point 1	Dropoff Point 2	PAX
NER	15 Mar	Hanscom AFB, MA		North Islands NAS, CA	50
MER	15 Mar	McGuire AFB, NJ	Andrews AFB, MD	North Islands NAS, CA	50
SER	15 Mar	McGhee Tyson, TN	Nashville, TN	North Islands NAS, CA	50
SER	15 Mar	Puerto Rico, PR	MacDill AFB, FL	North Islands NAS, CA	50
GLR	15 Mar	Grissom ARB, IN		North Islands NAS, CA	48
GLR	15 Mar	Milwaukee, WI	Louisville, KY	North Islands NAS, CA	50
GLR	15 Mar	Youngstown, OH	Selfridge ANG, MI	North Islands NAS, CA	50
NCR	15 Mar	Minneapolis, MN	St. Louis, MO	North Islands NAS, CA	50
RMR	15 Mar	Peterson AFB, CO	Salt Lake City, UT	North Islands NAS, CA	50
SWR	15 Mar	Oklahoma City, OK	Abuquerque, NM	North Islands NAS, CA	50
SWR	15 Mar	New Orleans NAS, LA	Kelly AFB, TX	North Islands NAS, CA	50
PCR	15 Mar	Portland, OR		North Islands NAS, CA	30

DEPARTURE AIRLIFT

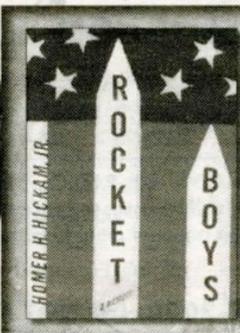
Region	Pickup Date	Depart	Dropoff Point 1	Dropoff Point 2	PAX
NER	19 Mar	North Islands NAS, CA	Hanscom AFB, MA		50
MER	19 Mar	North Islands NAS, CA	Andrews AFB, MD	McGuire AF, NJ	50
SER	19 Mar	North Islands NAS, CA	McGhee Tyson, TN	Nashville, TN	50
SER	19 Mar	North Islands NAS, CA	MacDill AFB, FL	Puerto Rico, PR	50
GLR	19 Mar	North Islands NAS, CA	Grissom ARB, IN		48
GLR	19 Mar	North Islands NAS, CA	Milwaukee, WI	Louisville, KY	50
GLR	19 Mar	North Islands NAS, CA	Youngstown, OH	Selfridge ANG, MI	50
NCR	19 Mar	North Islands NAS, CA	Minneapolis, MN	St. Louis, MO	50
RMR	19 Mar	North Islands NAS, CA	Salt Lake City, UT	Peterson, AFB, CO	50
SWR	19 Mar	North Islands NAS, CA	Abuquerque, NM	Oklahoma City, OK	50
SWR	19 Mar	North Islands NAS, CA	Kelly AFB, TX	New Orleans NAS, LA	50
PCR	19 Mar	North Islands NAS, CA	Portland, OR		30

Please note: All airlift is tentative and subject to change.

ONE MAN'S DREAM, ONE MAN'S JOURNEY

Homer H. Hickam

NASA ENGINEER AND FEATURED PERSONALITY IN MOVIE **OCTOBER SKY**

Homer Hickam, Jr.

One Man's Dream,
One Man's Journey

**THURSDAY,
MARCH 16, 2000
GENERAL ASSEMBLY
PRESIDIO ROOM**

conference registration



2000 NATIONAL CONGRESS REGISTRATION FORM

Civil Air Patrol's 2000 National Congress on Aviation and Space Education
15-18 March 2000 · Town and Country Hotel, San Diego, California

choose your registration type: **1** STANDARD **2** GROUP

1 STANDARD REGISTRATION

SPECIALTY REGISTRATION DESIGNATIONS: Please Check All That Apply.

- GENERAL ASSEMBLY PRESENTER CONCURRENT SESSION PRESENTER
 CROWN CIRCLE MEMBER VOLUNTEER STAFF MEMBER

Name _____
Preferred first name for name badge _____
Street _____ City _____ State _____ Zip _____
Credit Card: Visa Mastercard (Credit card users may fax this form to HQCAP/FM at 334-953-6777)
Card Number _____ Expiration Date _____ Phone _____
Card Holder Signature _____

PRE-REGISTRATION (UNTIL FEBRUARY 25TH)

- Conference Registration \$ 89
 Brewer Trophy Luncheon - (16 March) \$ 30
 Crown Circle Banquet - (17 March) \$ 35
 Balboa Park Tour - (18 March) \$ 27

ON-SITE REGISTRATION

- Conference Registration \$ 119
 Brewer Trophy Luncheon - (16 March) \$ 30
 Crown Circle Banquet - (17 March) \$ 40
 Balboa Park Tour - (18 March) \$ 27

TOTAL ENCLOSED \$ _____ PURCHASE ORDER FOR \$ _____ ATTACHED.

REGISTRATION INCLUDES: TOTE BAG, HANDOUTS, CURRICULUM RESOURCE GUIDE, INCIDENTALS

2 GROUP REGISTRATION

- 1 Fill out top portion with school's name in the "NAME" blank.
- 2 Attach to this form a list of attendees on **SCHOOL LETTERHEAD**.
- 3 Please also write those names clearly in the blanks below.

Group Registration rates are **\$79** per person, restricted to **pre-registration** only and for groups of **three or more from the same institution**. Beside each name, please designate additional purchases for each attendee:

(L) for LUNCHEON

(B) for BANQUET

(T) for TOUR

	1	4
TOTAL FOR INSTITUTION	2	5
\$	3	6

Make checks payable to CIVIL AIR PATROL/NATIONAL CONGRESS and mail to HQCAP/FM, 105 SOUTH HANSELL ST., MAXWELL AFB AL 36112-6332. A \$15 fee will be assessed for all refunds. NO BANQUET REFUNDS AFTER 10 MARCH 2000. The Banquet fee of \$35 (\$40 on-site) represents the value of the banquet meal furnished. Under IRS Code, that amount is not deductible as a charitable contribution to CAP for federal income tax purposes.

AFTER 25 FEBRUARY 2000, DO NOT MAIL REGISTRATION—PLAN TO REGISTER ON-SITE

CAPN 1

hotel reservation



2000 NATIONAL CONGRESS HOTEL REGISTRATION FORM
Civil Air Patrol's 2000 National Congress on Aviation and Space Education

TOWN & COUNTRY RESORT HOTEL

500 Hotel Circle North
San Diego, CA 92108

Hotel: 619-291-7131 Reservations: 800-772-8527 Fax: 619-291-3584

Conference Rates will be extended for three days prior and after meeting on availability only.

Name of Group: Civil Air Patrol—National Congress on Aviation and Space Education

Check-In Time: 4:00 pm Check-Out Time: 11:00 am

Date of arrival: _____ Date of departure: _____

RESERVATIONS MUST BE MADE PRIOR TO 2/18/2000

ROOM RATES NOTE:

Room rate will be the current government room rate at the time of the conference.
Current rate is \$96/night plus 10.5% tax. (as of 9/99)

When making your reservations, please check with the hotel for current rate.

Additional charge of \$20 for each extra person over two persons.

Please include first night's deposit by check or deposit can be charged to one of the following credit cards to confirm your reservation:

- Visa Master Card Diners Carte Blanche Discover American Express

Card Number _____ Expiration Date _____ Phone _____

Card Holder Signature _____

Name _____

Street _____ City _____ State _____ Zip _____

Sharing room with _____

SPECIAL REQUEST SUBJECT TO AVAILABILITY

- Smoking Non-Smoking One Bed Two Beds

CHILDREN UNDER 18 FREE WHEN STAYING WITH PARENTS AND UTILIZING EXISTING BEDS. SORRY! NO PETS.

PARKING:

HOTEL GUESTS: \$8 per day LOCAL GUESTS: \$2 per hour, not to exceed \$10 per day.

CAPN2

In order to receive a full refund, ALL CANCELLATIONS must be made 48 HOURS prior to your arrival date.

Be sure to remember your cancellation number.

■ 'The Air Force Experience' at www.airforce-experience.com

Air Force to launch hi-tech national road show

RANDOLPH AIR FORCE BASE, Texas — The U.S. Air Force is set to unveil "The Air Force Experience" — a high-tech, interactive attraction designed to showcase career opportunities and help reconnect the Air Force with the American public.

This one-of-a-kind road show will tour the country complete with an F-16 fighter jet, bold video presentations, computer kiosks and a fleet of customized flight simulators designed to let visitors take a high-speed "virtual" mission. It is designed to ignite the interests of young adults between ages 17 and 25.

Following its debut in the San Antonio area, it will go directly to the Millrose Games at New York's Madison Square Garden, and be open to the public Feb. 4-5. The exhibition then will make stops at high schools, special events and parking lots of major retailers in 30 cities from February through September 2000.

"The Air Force Experience is a fresh approach to educating the American public about the mission of the Air Force and assisting recruiting in today's competitive market," said Brig. Gen. Peter U. Sutton, Air Force Recruiting Service



commander. "Taking the display with a real F-16 out to places where Americans rarely see the Air Force up close is a win-win situation. Americans can learn firsthand what their Air Force is doing, and it provides recruiters a great forum to

get our message about opportunities for young men and women to become part of the world's greatest air and space force."

The road show is self-contained in two customized 18-wheelers. One boldly designed tractor trailer holds the Air Force's premier multi-role fighter aircraft, the F-16 Fighting Falcon. The other, with a 7-foot by 7-foot video screen on the exterior, contains the computer kiosks, "mission briefing room" and flight simulators.

"The Air Force Experience" will arrive in a new city every Thursday, first stopping at a local high

school and then setting up in the parking lot of a major retailer to welcome visitors all day Saturday and Sunday.

When the 20-minute interactive experience concludes, visitors will receive a commemorative "Air Force Experience" photo ID card, along with a credit card-sized CD that includes an overview of the Air Force, a computer screen saver with fighter jets, and a link to the Air Force recruiting Web site.

For more information about Air Force opportunities or the traveling road show, visit www.airforce-experience.com.

Thunderbirds announce schedule for 2000 show season

WASHINGTON (AFPN) — The U.S. Air Force Air Demonstration Squadron has announced its schedule for the 2000 show season.

After completing a four-month training season, the Thunderbirds will kick off their 47th season April 1 at MacDill

Air Force Base, Fla. The team will conclude its season Nov. 12, with a show at Lake City, Fla.

Overall, the Thunderbirds will perform more than 60 demonstrations in 25 states, Canada and Europe. The team is returning to Europe for the first time since 1996.

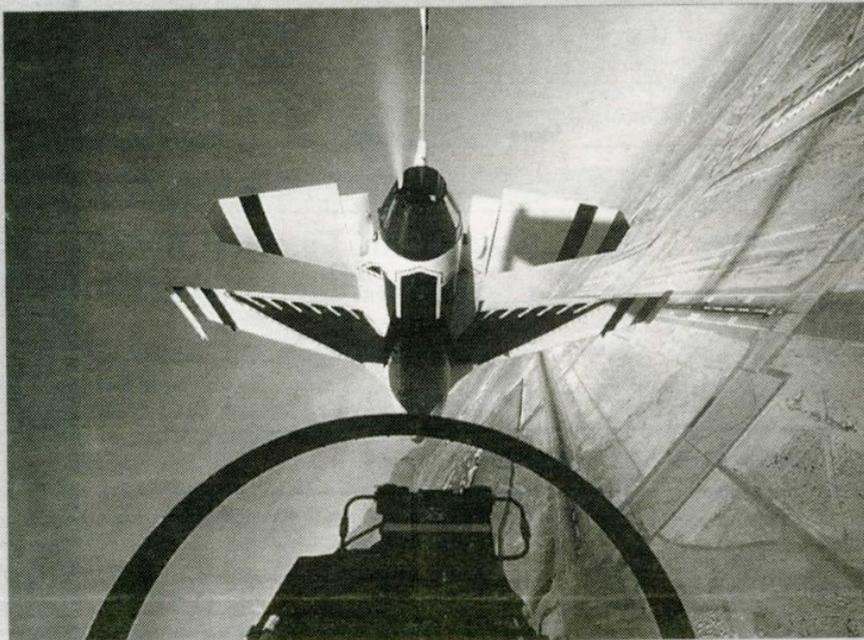
Details for the European tour

are being finalized and the demonstration sites will be released when they become available.

A Thunderbird air demonstration is a mix of six aircraft, performing formation flying and solo routines. The four-aircraft diamond formation demonstrates the training and precision of Air Force pi-

lots, while the solos highlight the maximum capabilities of the F-16 Fighting Falcon.

Since the team's first performance in 1953, they have flown before more than 310 million people at more than 3,500 air demonstrations in all 50 states and 59 foreign countries.



2000 Thunderbirds Schedule

- | | |
|--|-------------------------------------|
| April 1-2 - MacDill AFB, Fla. | Aug. 5 - Fairchild AFB, Wash. |
| April 8-9 - Mesa, Ariz. | Aug. 6 - Mountain Home AFB, Idaho |
| April 15-16 - Chattanooga, Tenn. | Aug. 12-13 - Westover AFB, Mass. |
| April 29-30 - Altus, AFB, Okla. | Aug. 26-27 - Offutt AFB, Neb. |
| May 6 - Nellis AFB, Nev. | Sept. 2-4 - Cleveland, Ohio |
| May 7 - Holloman AFB, N.M. | Sept. 9 - Peterson AFB, Colo. |
| May 13-14 - March AFB, Calif. | Sept. 10 - Kirtland AFB, N.M. |
| May 20-21 - Andrews AFB, Md. | Sept. 16-17 - Klamath Falls, Ore. |
| May 27-28 - Randolph AFB, Texas | Sept. 23-24 - Burlington, Vt. |
| May 31 - U.S. Air Force Academy, Colo. | Sept. 30-Oct. 1 - Springfield, Ill. |
| June 3-4 - Hanscom AFB, Mass. | Oct. 7 - Vance AFB, Okla. |
| June 5-25 - European Tour | Oct. 8 - Laughlin AFB, Texas |
| July 1-2 - Moffett Field, Calif. | Oct. 14-15 - Vandenberg AFB, Calif. |
| July 4-5 - Battle Creek, Mich. | Oct. 21 - Shaw AFB, S.C. |
| July 8-9 - Moose Jaw, Canada | Oct. 22 - Langley AFB, Va. |
| July 15-16 - Davenport, Iowa | Oct. 28-29 - Long Island, N.Y. |
| July 22-23 - Pasco, Wash. | Nov. 4-5 - Davis-Monthan AFB, Ariz. |
| July 26 - Cheyenne, Wyo. | Nov. 11-12 - Lake City, Fla. |
| July 29-30 - Billings, Mont. | |

SENIOR PROGRAMS



GILL ROBB WILSON AWARD

LT COL PETER J MORRIS	AZ
LT COL RALPH E RIVERS	FL
LT COL LEOPOLD B BABIN	GA
LT COL ALEX H MILLS	GA
LT COL CHESTER PETERSON	KS
CAPT ROBERT G ERHARDT	MA
LT COL DONALD W LITTLEFIELD	ME
MAJ LINWOOD R BARKLEY	NC
COL BRUCE L MARXSEN	NE
LT COL DARRELL R MCMILLAN	NE
MAJ SHARON M LANE	NM
LT COL GLORIA L HENDRICKSON	OH



PAUL E. GARBER AWARD

ANTONIO O LIMA	FL
MAJ SEYMOUR SIMMONS	FL
CAPT RALPH L THOMAS	GA
MAJ HILTON G LANDRY	LA

MAJ CHARLIE B SELF	NC
LT COL JAMES W JENSEN	UT
MAJ RONALD A SHARP	VA
CAPT RONALD A KING	VA
MAJ JACQUELYN L JAQUE	WA



GROVER LOENING AWARD

CAPT CHARLES W FRANK	CA
1LT GERALD F PATTERSON	CA
CAPT DENNIS E PARHAM	CA
CAPT DONALD F OSBORN	CT
CAPT ROBERT A SIMS	FL
CAPT RANDY L WILKINSON	FL
CAPT DIANE B WESTCOTT	FL
CAPT KENNETH A STANLEY	FL
CAPT FRANK J BASILE	GA
CAPT ROBERT R COATS	GA
CAPT BARRY E MCNEW	MD
CAPT PAUL N BLECHINGER	MD
CAPT JAMES L CHEVALIER	MO
CAPT SIDNY J LURTEN	MO
CAPT LISA C VAN CLIEF	NJ
CAPT STEVEN M TRACY	NJ
CAPT DAVID L LANCASTER	NV
CAPT KARL HARGRAVE	OR
CAPT WILFIDO ZAPATA	PR
MAJ DONALD R WINDLE	TX
MAJ WILLIAM L JACKSON	TX

CAPT DON A ROBERTS	TX
MAJ GENE L HARRISON	VA
MAJ JAMES H TRUXEL	VA
MAJ SONJA E TRUXEL	VA
MAJ DAVID D CRANE	WI
CAPT NICHOLAS A RUSHIZKY	WI



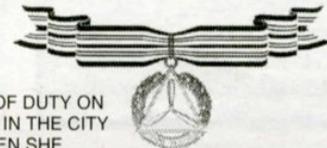
BRIG. GEN. CHARLES E. "CHUCK" YEAGER AEROSPACE EDUCATION ACHIEVEMENT AWARD

PAUL J. BENNETT, CAPT	AZ
CHARLES BREMHOLM, 1LT	TX
DAVID BUSH, CAPT	TX
JOHN BRYANT, 2LT	TX
ROBERT CHAMBERS, 2LT	GA
BROOKS CIMA, CAPT	TX
DENNIS CIMA, 1LT	TX
SHIRLEY J. CLARK, 1LT	NV
DAVID COBB, CAPT	AZ
HAROLD E. COTANT, 1LT	MN
OCTAVIO DEMENA, 2LT	NV
MIKE EDGERTON, 2LT	AZ
KARL K. EISBACH, 1LT	NE
ROGER D. FAGERMAN, 1LT	MN
FREDERICK FIELDS, 2LT	TX

MATTHEW FINKELSTEIN, 2LT	GA	RALPH C. MILLARD, 2LT	NV
ROBERT M. FREEMAN, 1LT	MN	GREG MILLER, 1LT	WV
JOHN FOLTON, 2LT	AZ	BOB L. MOOREHEAD, CAPT	AZ
MARY TABUR GRISWOLD, 2LT	NV	CLAUDE L. PHILLIPS, 1LT	AZ
GLEN G. GUTTRY, 2LT	NV	JAMES PHILLIPS, 2LT	GA
DIANNE G. HARRIS, 1LT	MN	LESLIE ROSTAD, 1LT	MN
JAMES H. HARRIS, CAPT	MN	ALAN SMEETH, 2LT	AZ
LESLIE J. HEFFERNAN, SM	NV	COURTNEY D. SMITH, SM	NV
LURA HOPKINS, SM	TX	REX D. SMITH, 1LT	NV
MICHAEL HOPKINS, CAPT	TX	ACTON TRENWITH, 1LT	OR
DAVID HUFFSTUTLER, 1LT	TX	STEVE WAGES, CAPT	GA
RONLAD J. KATO, 1LT	NV	GENE A. WARNOCK, CAPT	GA
ROY O. KORNMAYER, CAPT	AZ	JIM WARREN, SM	GA
DOUG T. LANDY, SM	MN	JEREMY W. WHITE, 2LT	LA
EARL R. LOEW, MAJ	WV	ALAN P. WILLIAMS, LTCOL	LA
DAVID A. LYTLE, CAPT	LA	MICHAEL P. WILLIAMS, 1LT	LA
JOHN L. MCLEROY, 1LT	GA	ALLAN WOODS, SM	TX
MICHAEL METTLER, SM	TX	RICHARD L. YEAGER, 1LT	MN

CITATION TO ACCOMPANY BRONZE MEDAL OF VALOR TO BELINDA H. CONTRERAS

FIRST LIEUTENANT BELINDA H. CONTRERAS, CAP, DISTINGUISHED HERSELF BY CONSPICUOUS, HEROIC ACTION ABOVE AND BEYOND THE CALL OF DUTY ON 3 AUGUST 1998. WHILE DRIVING IN THE CITY OF GLENDALE, CALIFORNIA, WHEN SHE SPOTTED SMOKE AND FIRE COMING FROM A NEARBY HOUSE. WITHOUT HESITATION, LIEUTENANT CONTRERAS STOPPED HER VEHICLE AND RUSHED TO THE FRONT DOOR OF THE BURNING HOUSE. AFTER FINALLY GETTING THE ATTENTION OF A TEENAGER, WHO WAS UNAWARE OF THE FIRE IN HER OWN HOME, LIEUTENANT CONTRERAS ASKED IF ANYONE ELSE WAS AT HOME. THE TEENAGER STATED THAT HER BEDRIDDEN ELDERLY GRANDMOTHER WAS IN THE BACK BEDROOM. WITH COMPLETE AND TOTAL DISREGARD FOR HER OWN PERSONAL SAFETY, LIEUTENANT CONTRERAS ENTERED THE BURNING HOME AND WITH THE HELP OF AN ASSISTANT, CARRIED THE ELDERLY GRANDMOTHER THROUGH THE CHOKING SMOKE TO SAFETY. AFTER THE FIRE DEPARTMENT ARRIVED, LIEUTENANT CONTRERAS ADMINISTERED OXYGEN TO THE GRANDMOTHER AND ATTENDED TO THE VICTIMS UNTIL RELATIVES ARRIVED AND ARRANGED FOR ACCOMMODATIONS. THE SINGULARLY DISTINCTIVE ACCOMPLISHMENTS OF FIRST LIEUTENANT CONTRERAS REFLECTS GREAT CREDIT UPON HERSELF, THE CALIFORNIA WING AND CIVIL AIR PATROL.



CADET PROGRAMS



GEN. CARL A. SPAATZ

FRANCIS T. CONDON III	MA
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GEN. IRA C. EAKER AWARD

LAURA N. PARSONS	CA
COLIN J. GRETA	DC
CHRISTOPHER J. SHERMAN	FL
JOHN B. HELMS	FL
JASON H. DEHNER	IN
JASON G. CHEEK	NC
GEORGE R. LONG	OR
STEWART A. MCGURK	SC
KRISTIN H. JONES	WA

STACEY A. WESTBERG	ND
JASON S. SMITH	NH
IAN R. ROSENKRAZ	NJ
MARY E. PRATT	NM
REBECCA M. LENBERG	NM
JENNIFER E. PLOEGMAN	NY
REBEKAH STROCK	NY
KEVIN B. SALZMAN	OH
WENCESLAO PADILLA	PR
JOSE A. PAGAN	PR
LUIS G. RODRIGUEZ	PR
EFREN J. GARCIA	PR
CHRISTIAN MARTINEZ	PR
MICHAEL A. THOMAS	RI
MATTHEW P. EDSON	SC
HEATHER D. BARFIELD	SC
JOSHUA A. GRUNDT	SD
JOHN R. ARNESON	SD
REBECCA A. AKINS	TX
ERON A. BOLEY	TX
DANIEL T. FRAYNE	TX
EMY R. TOLLE	WA
RYAN V. SEOGGIN	WA
RICHARD S. BOGGS	WV

PHILIP W. MARTIN	CO
MARTIN W. KARPEL	CT
JOHN P. BOONE	DE
STEVEN L. HYDE	FL
ERIC S. POWERS	FL
MICHAEL D. DOTSON	FL
RAYMOND J. CATANIA	FL
JONATHAN T. BOWDEN	FL
GINGER N. TAYLOR	FL
MICHAEL D. KELLEY	GA
AARON L. COTE	HI
FRANCOIS B. COTE	HI
DARIUS P. ROBINSON	IA
KEITH C. WEBER	IA
VIRGINIA M. BAKER	KS
DANIEL C. MEASE	KS
KENNETH DEAN ADKINS	KY
YOLANDA M. TORRES ADAMS	KY
THOMAS J. SCAZZAFAVO	LA
PATRICK R. MURPHY	MA
MATTHEW C. DWYER	MD
LAURA A. MANGLE	ME
ABBY S. RENZULLO	ME
CALVIN MICHAEL A. ROSS	ME
JESS P. STEERE	MI
DAVID E. BASS	MN
CARALYN E. FLACK	MN
SEAN A. SCHLESSMAN	MO
CODY T. MCGRATH	MT
RYAN W. KUHN	MT
CYRUS CAMP	NC
DAVID D. LYNES	NC
TIM S. HUNEYCUTT	NC
NICHOLAS A. SMITH	NE
MATLOZ S. DANIEL	NJ
MALONEY E. EDWARD	NJ
SCOTT WOLCOT	NJ
RUSSEL T. FUGAL	NM
ANDY T. GARCIA	NM
RYAN S. JACSON	NM
ADAM J. CUCCHIARA	NY
JOSEPH P. ANDREWS	NY
CHRISTOPHER A. TURNER	OH
ADAM S. DEMYAN	OH
WILLIAM C. SHUMAY	OH
HANEEF A. ABDUL-RAHEEM	OK
NEIL E. BAUGHMAN	PA
JOSHUA PLOCINSKI	PA
MATTHEW P. PADEN	PA



GEN. BILLY MITCHELL AWARD

SEAN J. MITCHELL	AL
COREY N. DOBBS	AR
THOMAS M. HUBBARD	AR
ARTHUR J. SINGLETARY	AR
DAVID BOUDREAUX	AZ
JOANNA C. STRIFLER	AZ
TIMOTHY J. HUMPHRIES	AZ
ROBERT A. SAVOIE	AZ
CHRISTINA M. MUELLER	CA
AARON D. LYNCH	CO
RICHARD S. HENDERSON	CO
REID P. HILL	CO
PATRICK J. SWENSON	CO
CODY R. BAUMGARTNER	CO
KURT M. CEPEDA	CO
CHRISTOPHER J. ZIELENSKI	CO



AMELIA EARHART AWARD

MATTHEW J. CLARIDGE	AZ
ARMJO	CA
JONATHAN N. CALISE	FL
MICHAEL D. VELTMAN	FL
MICHAEL L. FRIGO	IL
MELISSA A. HARBESON	IN
ASHTON P. RUCKER	KS
DAVID E. MYERS	KS
DANIEL J. FRANZ	KS
MICHAEL N. VOGT	KS
MATTHEW J.D. VOGT	KS
RORY P. GARNICE	MI
RICHARD S. WILSON	MI
CHRISTOPHER J. KLOC	MS

RETIREMENTS

LT COL JOEL T. BIGGS	FL	28 DEC 71 - 31 DEC 99	28
LT COL EDWARD B. GRAHAM	CA	1 JUL 76 - 1 JUL 96	
		28 JAN 97 - 30 SEP 99	23
CHAP (LT COL) FRED W. LIGHTELL	FL	28 DEC 74 - 31 DEC 99	25
LT COL JERRY C. PATRICK	MO	1 APR 79 - 30 APR 90	
		11 OCT 96 - 30 NOV 99	14
LT COL HARRY R. PATTERSON	FL	28 AUG 84 - 31 AUG 99	15
LT COL LELAND A. STOUTD	CA	28 DEC 54 - 31 AUG 99	45
CHAP (LT COL) DONALD TOLHURST	NC	28 OCT 54 - 1 DEC 99	45
MAJ CARL W. HERRING	OH	28 DEC 61 - 1 DEC 99	38
MAJ JULIAN L. HVISTENDAHL	MN	28 NOV 80 - 30 NOV 99	19
MAJ LEONA C. LUKES	MT	28 MAY 74 - 30 AUG 99	25
MAJ MARTIN J. LUKES	MT	28 MAY 74 - 30 AUG 99	25
CAPT JERRY L. HARDY	CA	28 JUL 73 - 31 JUL 99	26
CAPT FRANCES LANDRY	CA	28 NOV 82 - 30 NOV 99	17
CAPT ROBERT G. TADLOCK	VA	1 MAR 61 - 30 MAR 64	
		17 NOV 87 - 31 DEC 99	14
1ST LT ROBERT G. PARKER	MD	28 JUN 64 - 31 DEC 99	35
1ST LT ANDREA O. SCHEIDL	NJ	28 NOV 84 - 30 NOV 99	15

CHRIS M. UNGER	PA	ANGELIQUE M. HOPKINS	TX
BRIAN J. MERZLAK	PA	HUDSON E. BABLER	TX
JOHN W. SPROUL III	PA	RYAN F. JONES	TX
JUAN G. MARTINEZ	PR	DAVID A. BERNAZAL	TX
ABRAHAM HERNANDEZ	PR	TIMOTHY J. AUSTIN	TX
CARLOS DIAZ	PR	BENJAMIN I. HEARD	UT
RAFAEL MELENDEZ	PR	HEATHER M. CHARTRAW	UT
CRISTIAN SOTO	PR	ALEXANDRA J. SCOTT	VA
JESUS D. BARRETO	PR	COLIN D. PILCH	VA
LUIS J. DE JESUS	PR	MATTHEW D. DRAPER	VA
CARMEN M. RODRIGUEZ	PR	JACKIE N. BRATAGER	VA
JEFFREY SERRANO	PR	PAUL R. HOLMAN	VA
MATTHEW E. RUNGE	SC	AARON M. HOLMAN	VA
JASON S. MCCORD	SD	TROY M. MONTGOMERY	WA
JUSTIN L. ROBINETTE	TN	JOSEPH B. WINNINGHAM	WA
JEREMY L. ALLEN	TN	DIMITRI P. GRILLOS	WA
LEVI W. SLEEPER	TX	ERIC B. IVERSEN	WA
EARL E. SLEEPER JR.	TX	JASON R. LAYCOCK	WY

Nationwide

Reporting achievements of CAP members

NORTH EAST REGION

COMMANDER
COL. DONALD PROUTY

CONNECTICUT ★ MAINE
MASSACHUSETTS ★ NEW
HAMPSHIRE ★ NEW JERSEY
NEW YORK ★ PENNSYLVANIA
RHODE ISLAND ★ VERMONT

CONNECTICUT —

Shoppers at the Wal-Mart store in Manchester, Ct., paused to think about America's veterans. The 169th Composite Squadron color guard stood at attention in their blue uniforms with the colors displayed as two bagpipers played "Amazing Grace."

Memorabilia from veterans was displayed at a booth inside the main entrance of the store, where money was collected for the World War II Memorial to be built in Washington, D.C.

Participating were: cadets Matthew LeRoux, Sarah Moore, Patrick Moore and Mark Shekleton; and senior members Scott Varrick and Gerry Guay

→ → →

Eleven cadets of the 169th Composite Squadron attended noncommissioned officer school in hopes of advancement.

Cadets attending were: Nicholas Dickenson, Joel Grout, Dave Gacek, Benjamin Wood, Sarah and Patrick Moore, Chris Hathaway, Brandon Lanier, Daniel Colt, Allison Gawlinski, and Stephen Magurany.

The cadet staff included Ryan Bomaster and James Magurany. Lt. Col. Jon Thompson, Jeanne Magurany and Gerry Guay made up the senior staff. Thompson served as the course instructor.

→ → →

Nine cadets and four seniors of the 169th squadron attended American Red Cross first aid and CPR training.

Senior member Andrew Starkey conducted the day-long session.

Cadets participating were: Matthew LeRoux, Tyler Newman, Joel Grout, Daniel Turek, Benjamin Wood, Matthew Salvitti, Stephen Magurany, Sarah Moore and Jared Burns.

Senior members attending were Jeanne Magurany, Jon Thompson, Andrew Starkey and Gerry Guay.

→ → →

Twenty-five members of the

169th Composite Squadron took part in a joint exercise with the American Red Cross.

Tom Banley of the ARC was the exercise director and Lt. Col. Jon Thompson was the squadron's project officer.

A shelter was set up and run by the ARC at Thomas J. Quirk Middle School in Hartford, Conn., with cadets and seniors filling the roles of those in need of shelter and shelter workers.

The exercise scenario involved a power interruption that affected traffic lights and led to an accident in which 50 people were injured. There were also many Hartford residents without power for cooking or heat.

The ARC also taught two classes on related topics for many squadron members.

Participating were: cadets Allison Gawlinski, Jared Burns, Steve Magurany, Robert Allen, Matt LeRoux, Kevin LeRoux, Nicholas Dickenson, Dwight Goodwin, Tyler Newman, Amie Hagenw, Mayo Gilfurt, Brandon Waterman, Karen Young Chris Hathaway, Patrick Moore, Sarah Moore and Stephen Kloter; senior members Jon Thompson, Sabrina Gilfurt, Jeanne Magurany and Mike Moore; and cadet sponsor-member Ken Hagenow.

Senior Master Sgt. Gerry Guay

MAINE — Col. James Linker, Maine Wing commander, selected cadet Senior Airman Stephen J. Soule as the wing's new cadet public affairs officer.

Soule has been a CAP member for just over a year and has attended the wing leadership school.

Senior Airman Stephen Soule

NEW YORK — Staff members of the Mid-Eastern Group, Albany Senior Squadron, and Kaydeross and Veeder Composite squadrons celebrated "CAP Sunday" by attending a service at Saint Matthew's Episcopal Church in Latham, N.Y.

Services were conducted by Rev. Maj. Ronald E. Harrison, Mid-Eastern Group chaplain.

In his sermon, Harrison discussed the history of CAP and its mission of helping people in distress, and then he compared that mission with that of the church.

Maj. Ronald Volungus

NEW YORK — Fifteen senior members of the Long Island Senior Squadron received awards for their achievements following their annual squadron inspection.

The awards were presented to those members who completed the senior member officer course. Certificates were presented by Capt. Ray Pardo, the squadron commander.

Most members of the senior squadron are veterans of the U.S. armed forces.

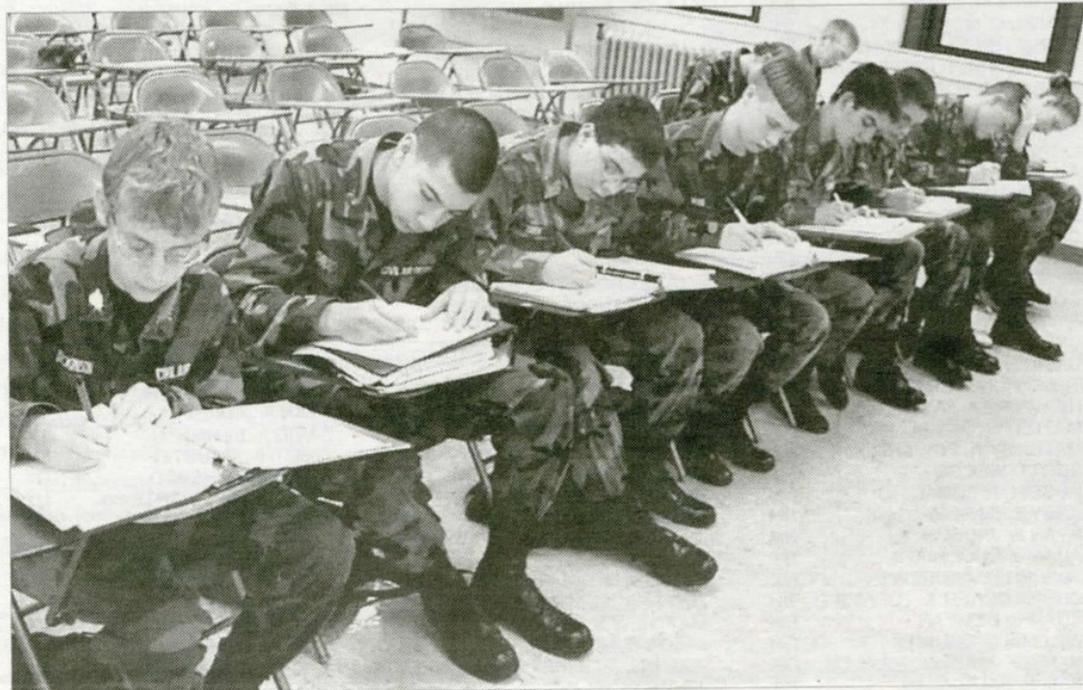
1st Lt. Mark H. Getman

NEW YORK — More than 100 volunteers participated in a joint exercise of the New York Wing and New York Guard on the U.S. Military Academy Reservation.

The exercise was held to improve coordination between the two organizations.

The New York Guard will be a part of the state's Military Emergency Radio Network for disasters or emergencies.

During the two-day exercise, radio procedure and technical orientation classes were conducted by Army National Guard instructors. Various search and rescue techniques were reviewed and lectures were given on situations which would require the cooperation of the wing and the Guard.



Cadets from Connecticut Wing's 169th Composite Squadron take a written exam during a squadron-conducted noncommissioned officer school.

Coast to Coast

The purpose of the Coast to Coast section is to provide publicity for the achievements of Civil Air Patrol members involved in CAP activities at the unit, wing and region levels. Submissions should be sent no later than 60 days after the event via e-mail to capnews@capnhq.gov or the via the U.S. Postal Service at the following address: Coast to Coast, Civil Air Patrol News, 105 South Hansell St., Maxwell AFB, AL 36112-6332. The submission deadline is the third Monday of the month preceding the month of publication. Photos may be sent electronically or by mail. (See Page 2 for technical details.) For any questions regarding submissions, please call (334) 953-5700.



Northeast Region
P.O. Box 2543
Vincentown, NJ
08088-2543

Middle East Region
5904 Lovejoy Ct.
Springfield, VA
22152-1407

Great Lakes Region
629 Fleddermouse
Novi, MI
48374-1106

Southeast Region
P.O. Box 9540
Knoxville, TN
37940-9540

North Central Region
15450 Hangar Road
Room 131
Kansas City, MO
64147-1219

Southwest Region
P.O. Box 292755
Lewisville, TX
75029-2755

**Rocky Mountain
Region**
P.O. Box 371093
Denver, CO
80237-1093

Pacific Region
28735 Grumman Dr.
Eugene, OR
97402-9542

Thirty wing members from the southeast New York area attended along with Guard personnel from the 14th, 56th, 88th, and 10th brigades.

Col. Barry Conroy, deputy commander of the Guard's 56th Brigade, served as the officer in charge. Lt. Col. James Waterbury, range control officer at the military academy, helped coordinate the event with West Point officials. Waterbury is a retired Coast Guard officer and member of both the Guard and CAP.

The New York Guard is an all volunteer component of the New York State Division of Military and Naval Affairs. Its mission is to support the state mission of the Army National Guard, Air National Guard and New York Naval Militia. The has about 900 members statewide.

Lt. Col. Allan F. Pogorzelski

PENNSYLVANIA — Members of the Wyoming Valley Composite Squadron assisted at

PENNSYLVANIA — At least two wings of the U.S. Air Force and several CAP squadrons worked together to transport cadets and senior members from Pennsylvania to San Antonio aboard a U.S. Air Force Reserve C-130 aircraft.

The trip to Kelly Air Force Base, Texas, was arranged by former cadets and expert rangers Maj. Brian Watson and Jeff Riley, with logistical and tactical assistance from Texas Wing rangers Maj. Jarad Wire and 2nd Lt. John Bryant.

Participating were cadets from the wing's Jimmy Stewart and Monroeville Composite squadrons, the U.S. Air Force's 911th Air Wing, and the Kelly Air Force Base Squadron.

The trip was planned because wing senior members wanted the cadets to experience a whirlwind deployment in unfamiliar terrain.

The cadet ranger teams arrived in full gear ready to

operate in the field for up to 72 hours without being resupplied. The Kelly squadron assisted by providing transportation and maps for the exercise.

Maj.

Ray Callahan arranged for the use of the litter evacuation obstacle course at nearby Brooks Air Force Base.

The mountain search and rescue teams made short work of the course and

were immediately dispatched to find an aircraft electronic locator transmitter hidden by base security police. The device was placed to maximize signal reflection and increase the difficulty of the exercise.

When a systematic grid search helped the team locate the ELT, wire announced there was a lost hiker in Eisenhower Park on the opposite side of San Antonio. The cadet ranger teams responded to the simulated emergency, performed contain-

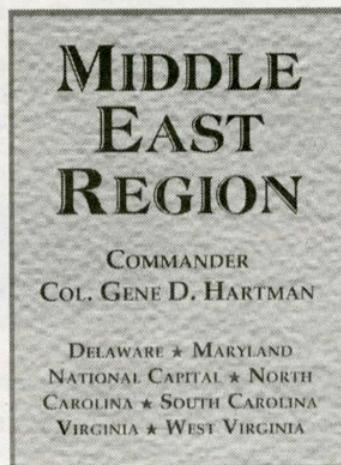
ment and began a thorough search of the park's various trails. The teams searched the rocky hills and dense brush until shortly after dark when Riley, the project officer, assembled the group for a woodland search and rescue case studies session.

Cadets Lt. Col. Alex Hanna, Capt. Elizabeth Kealey and 1st Lt. Jacob Hiles of the Jimmy Stewart Composite Squadron discussed with the group their roles in a past mission to find a lost man with Alzheimer's disease.

During the Texas visit, the Indiana, Pa., team was advised by Capt. Holly Joiner, 1st Lt. Aaron LaMantia and 2nd Lt. Chris Rose and commanded by Hanna. Team members were: Hiles, Kealey, 2nd Lt. Isaac Hiles, Sgt. P.J. Price, Airman 1st Class Travis Moore and Airman David Baker. The Monroeville team advisor was 1st Lt. Rich Courtwright and its commander was Maj. Michael Courtwright. Team members were: cadets Capt. Matthew Bolian, 2nd Lts. Stephen Skeer and Jeremy Falletta, and Sgt. Eric Tamburino.

The success of this joint exercise between the Pennsylvania and Texas wings demonstrated the value of maintaining a close working relationship with other units. Further, the friendships and ties formed at CAP national activities, such as Hawk Mountain Ranger School, provide vital support networks within the CAP.

2nd Lt. John M. Bryant



MARYLAND — The Hartford Composite Squadron held its annual year-end awards ceremony and party at Aberdeen Proving Ground, Md.

Guest of honor Brig. Gen. Bruce F. Tuxill, assistant adjutant general of the Maryland Air National Guard, along with Col. Ralph A. Vogt, Maryland Wing commander, presented awards and special recognition certificates to squadron cadets.

Honored were: Cadet 2nd Lts. Aaron Eddy and Brian Hughes, who were presented with their Mitchell awards; and Cadet Capt. Chris Polyak, who was presented with Mitchell and Earhart certificates.

Certificates of achievement were presented to Polyak and Hughes, as well as to Cadet Tech. Sgt. Kate Smalkin, for receiving the Federal Aviation Administration and CAP aeronautical rating of solo pilot.

Cadet Lt. Col. Fred Smalkin was recognized for receiving a 1998 Maryland Wing flight scholarship and the FAA and CAP aeronautical rating of pilot.

Polyak also received a 1999 Maryland Wing flight scholarship, which marked the second time in a row this honor was given to a Hartford cadet.

Nearly 10 percent of the cadets in the Hartford squadron currently hold aeronautical ratings.

Lt. Col. Frederic N. Smalkin

MARYLAND — The Maryland Wing participated in the Second Annual Plane Pull at the Baltimore Washington International Airport.

The event pits a team of 20 against a Boeing 727 to raise money for the Maryland Special Olympics. The Rouse Company of Columbia, Md., sponsored the wing team.

More than 50 members from the Apollo One Composite, Arundel Composite, Bowie Composite, Carrol Composite, Towson Composite, and Bethesda Chevy Chase Composite squadrons, Group 3, and wing headquarters supported the event.

Maj. Jon Royer, Maryland Group 3 commander, was project officer for the event.

"Thanks to the Rouse Company, we got the opportunity to flex our muscles and prove we not only can handle our little Cessna 172s, but also can pull around one of the big guys — a Boeing 727 — and not take last place. In the end, everyone was a winner. You could see that when you looked in the faces of the special Olympians," said Royer.

The event raised about \$80,000.

Kay Joslin Walling

NORTH CAROLINA — The 11th Search and Rescue Squadron in Charlotte, N.C., went on a camping and rocket-launching trip in South Carolina.

The weekend outing was planned to help squadron members fulfill the requirements for getting their rocketry badges.

The cadets assembled rockets, and learned about the

history of rocketry and scientific principles of rocket flight.

NORTH CAROLINA — The 137th South Piedmont Senior Squadron held their annual banquet in Charlotte, N.C., for 75 members and guests.

Among the honored guests were: Col. Woody Sulloway, North Carolina Wing commander; Maj. Tink Schaffer, North Carolina Wing vice commander; Lt. Col. Don Edwards, North Carolina Wing chief of staff, and his wife; and Capt. Jesse Collum, North Carolina Wing safety officer.

Awards were given to the members who served with distinction throughout the previous year.

► Maj. Will Grooms, squadron commander, received a meritorious service medal;

► 1st Lt. Bob Crosby, squadron finance officer, Capt. Jimmy Fronberger, squadron personnel officer, and Capt. Jerry Langley, squadron operations officer, all received squadron commander's commendations.

► Maj. Peter Katz, L.B. Martin Memorial Squadron member of the year;

► Mission pilot award was given to Lt. Col. Mike Kassner; Top Gun award went to 2nd Lt. Ron Snyder; and rookie of the year award went to Lt. Col. Ron Wilbanks.

In two changes of command, Maj. Will Grooms succeeded Lt. Col. Harry Christopher as the Group IV commander and Capt. Jerry Langley succeeded Grooms as the South Piedmont Senior Squadron commander.

Capt. Joel Barman

NORTH CAROLINA — Members of the Fayetteville Composite Squadron took top honors at the North Carolina Wing Conference in Winston-Salem.

The Middle East Region and wing senior member of the year award was presented to Maj. Stephen Austin, who was cited for his work with the squadron cadet program.

The Middle East Region and wing aerospace education officer award and wing public affairs officer of the year awards were presented to U.S. Army Capt. Jayson A. Altieri, who was cited for leadership and mentoring as the Group VI aerospace education and public affairs officer from January to December 1999.

Altieri is currently the commander of Headquarters Company, 2nd Battalion, 82nd Aviation Regiment, 82nd Airborne Division.



A member of Pennsylvania Wing's Wyoming Valley Composite Squadron has a laugh with a veteran who is a patient at the Veterans Administration Hospital in Wilkes-Barre Township, Pa. Squadron members helped the hospital staff with its annual Christmas party.

the annual Christmas party at the Veterans Administration Hospital in Wilkes-Barre Township, Pa.

Members helped by setting up chairs, moving hospital-bound veterans from their rooms and serving snacks.

Assisting were: senior members Art Sperling, Patti Sperling, Shawn Stanford, Neal Janoski and Dan Rigez; and cadets John Whipple, Brian Rigez, Paul Rigez, Skip McBride and Kim Sorber.

The wing safety officer of the year award was presented to 1st Lt. Shara Avery.

The CAP National Headquarters Aerospace 2000 and Wing CAP Aerospace Education Squadron of the Year awards were presented to Maj. John Piagnelli, squadron commander. The squadron was cited for having an outstanding aerospace education program that taught CAP members and the public about a variety of aerospace subjects, including aerial search and rescue missions, Army aviation, airborne operations, ballooning, rocketry and parachuting.

The wing encampment most improved cadet award was presented to Cadet Airman Jeffery Long. Long was cited for his work during the 1999 wing encampment. Long's leadership and motivation were an inspiration to the 200 cadets who participated in the encampment.

The awards were presented by North Carolina Wing Commander Col. Woody Sulloway.

VIRGINIA — Thanks to the combined efforts of Virginia Wing Commander Col. H. Click Smith, wing public affairs officer Lt. Col. Linda J. Utting and Virginia State Sen. Charles Colgan, Virginia Governor Gilmore was able to recognize the wing's 1,300 cadets and senior members with a certificate of recognition.

The certificate declared the week of Dec. 1-7 as Civil Air Patrol Week. Colgan, a longtime CAP supporter, presented the certificate to Utting at her office in Manassas, Va.

Lt. Col. Linda J. Utting

VIRGINIA — Members of the Burke Composite Squadron attended a bivouac in the George Washington National Forest.

During the bivouac, cadets participated in a hike, and survival and orienteering classes.

Joyce Taber

VIRGINIA — Members of the Langley Composite Squadron received numerous awards and recognition at the annual Virginia Wing conference.

Cadets Samantha Dickerson, Ryan Cash, Paul Campbell, Tyler Crockett and Matt Streams, along with their supporting senior members, U.S. Air Force Capt. Chad Morris and Spaatz cadet Capt. Jeff Baker were presented with certificates of appreciation from Virginia Wing commander Col. H. Click Smith for their victory at the Middle East Region color guard competition. The five cadets,

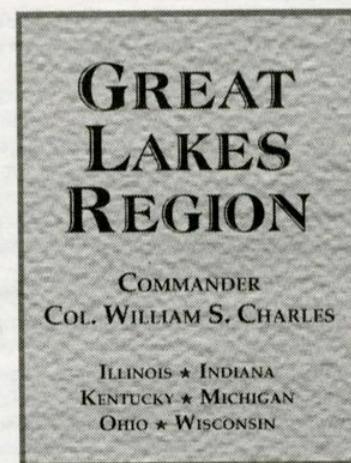
along with Morris and 2nd Lt. Charlene Shidisky, also received commander's commendations from the wing commander.

Squadron cadets also excelled in the cadet speak-off and drill competition. Sgt. Ryan Cash won first place in the advanced category of the speak-off and Chief Master Sgt. Alan Marks took first place in the impromptu category.

Lt. Col. Monica Richardson received the Gill Robb Wilson Award and was selected as the Virginia Wing personnel officer of the year. She has been a CAP member for 37 years.

Shidisky also received the Virginia Wing unit logistics officer of the year award.

Capt. Candi Elliott



KENTUCKY — Members of the Kentucky Wing joined together at the Forks of Dix River Baptist Church in Lancaster, Ky., to celebrate the wing's annual Sunday service.

Church pastor and Danville Senior squadron chaplain, Maj. Jerry Browning, organized and hosted the event.

Wing members from across the state were present and 23 members of the Danville squadron were there with their families, as were members of the Centenary Squadron from Lexington, Ky., the Kentucky Air National Guard squadron from Louisville, Ky., and a color guard from the Morehead squadron.

The service was followed by a fellowship meal, which was provided by the congregation in honor of the CAP.

David Kaiser

MICHIGAN — A total of 10 teams competed in the 1999 Michigan Wing Academic Bowl in November.

The bowl, which consists of both a written test and a panel quiz, is divided into three different classes. Five of the 10 teams competed in the open division, two competed in the reserve division and three competed in the senior division.

The highest score on the written test belonged to 1st Lt. Luke Evans of the Livingston Phantom Squadron. The high score for the open division was attained by Cadet Master Sgt. Nick Wabeke of Boulle-Norman Cadet Squadron. The high score for the reserve division went to Aaron Steiner of the Daniel Prose Cadet Squadron.

The panel quiz results for the open division were: the Boulle-Norman Squadron, first; the Sixgate and Daniel Prose squadrons, tied for second; and the Selfridge and Livingston squadrons, third.

The Daniel Prose Squadron won the panel quiz for the reserve division.

No winner was declared in the senior division because the Selfridge team withdrew from the division before the final match.

The staff for the competition included Capt. Matthew Heusser, who acted as challenge judge; Cadet 1st Lt. Roy Garnice, who served as a timekeeper; and 1st Lt. Jerry Wolf, who served as a door guard.

Capt. Aubrey Heusser

OHIO — The Clermont County Composite Squadron cadet color guard marched in Batavia, Ohio, to honor America's veterans.

The color guard, under the command of cadet 1st Lt. Jeff Jones, along with other squadron members displayed their dedication to the veterans by marching. Cadets participating were: Airmen Josh Minney, Paul Contreras and David Adams; Airman 1st Class Alex Folzenlogen; Staff Sgt. Nick Folzenlogen; and Capts. Steve Bain and Josh Raake.

Senior members who participated were Capt. Steve Shively, squadron commander, and 1st Lt. Thomas Johnson.

→ → →

Cadets from the Clermont County Composite Squadron will be better prepared to honor those in the military who pass away thanks to a training detail recently held at Wright-Patterson Air Force Base, Ohio.

The detail covered such topics as how to post the colors and how to conduct proper military honors at a military funeral.

The training commander was Cadet Capt. Steve Bain. Cadets attending were: Airman Alex Folzenlogen, Senior Airman Nick Folzenlogen, 2nd Lt. Jason Vinson, Capt. Josh Raake and 1st Lt. Jeff Jones. Senior members attending were 1st Lt. Thomas Johnson and Capt. Steve Shively. The instructor for

the detail was U.S. Air Force Airman 1st Class Adkins, who is a member of the base's honor guard.

→ → →

Awards and promotions were recently received by several members of the Clermont County Composite Squadron.

The members were: cadets Josh Minney and Michael Wegmen, airman; Alex

OHIO — The final resting place for 1,388 veterans of every war from the Civil War to Korea, lay "in disgrace" until Lt. Col. Carl Woodruff, commander of the Cincinnati Composite Squadron in Blue Ash, Ohio, took the initiative.

The 73-year old Hillcrest Cemetery lies just 1 1/2 miles from the Ohio River in the southeastern area of greater Cincinnati. Woodruff read an article in the *Cincinnati Enquirer*,



Cadets of Ohio's Cincinnati Composite Squadron upright a fallen gravestone in the Hillcrest Cemetery near Cincinnati, Ohio. Led by squadron commander Lt. Col. Carl Woodruff, the squadron seized the initiative and spent many long, hard hours cleaning up the neglected resting place for many of America's veterans.

Folzenlogen, airman first class; Nick Folzenlogen, staff sergeant; Jeff Jones, first lieutenant; and Steve Bain and Josh Raake, captain. Bain and Raake also received Amelia Earhart awards from Capt. Steve Shively.

In other news, the squadron welcomed a new cadet, Paul Contreras, and a new senior member, Bryan Hatton.

1st Lt. Thomas Johnson

OHIO — Members of the Morgan County Cadet Squadron went on a KC-135 orientation flight courtesy of the 434th Air Reserve Wing at Grissom Air Reserve Base, Ind.

The 13 cadets had the opportunity to meet with the crew members, fly in the cockpit and observe an air-to-air refueling mission.

The KC-135 — a "flying gas station" — is a highly modified military version of the Boeing 707 airline.

Cadets Jake Thacker, Bart Wigal and Isaac Holmes

entitled, "A resting place no one wants."

Woodruff drove to the cemetery and could not believe the conditions were so appalling. Six-foot high weeds and tangled vines hid tombs, headstones and grave sites had been washed away due to erosion and signs of vandalism were everywhere.

Registration files at the Hamilton County Courthouse indicated that of the 1,388 grave sites, 849 were African-Americans. When the cemetery was started in 1926, the owner set aside a section for African-American veterans who were denied burial elsewhere because of their "color."

Since federal, state and local officials have not been able to determine which agency is responsible, Woodruff called officials from the township and volunteered to cut weeds and start the restoration.

Shortly after that call squadron members, as well as members of Lunken Composite



Members of Ohio Wing's Morgan County Cadet Squadron pose alongside the KC-135 aircraft that took them on an air-to-air refueling flight.

and Western Hills squadrons, Group One staff members, members of the 147th and 123rd Ohio Army National Guard units and students from nearby McNicholas High School have spent many weekdays and weekends restoring the cemetery.

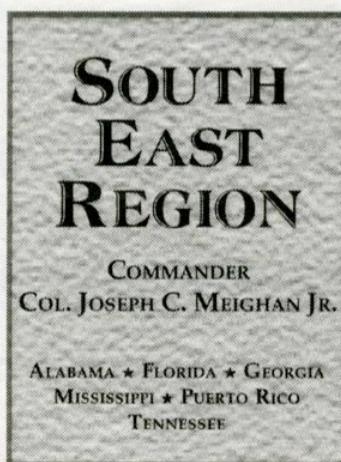
With weed trimmers, chain saws, mowers, hand tools, safety glasses, gloves and hard hats, the crews began clearing the area of weeds, debris, trash and fallen trees.

As stones were uncovered, cadets started the difficult and heavy task of resetting and cleaning the stones. At the end of the day the area around the flagpole was clear. CAP members took down the old, tattered American flag, ceremonially burned it and buried its ashes. With the vast weed covered areas in the background, hiding the many forgotten gravestones, the members proudly saluted the posting of a new flag.

When the local residents became aware that someone was cleaning the cemetery a few stopped to help. Others have come in search of the graves of their loved ones.

An elderly woman asked the members to help her find her father's grave. She said she hadn't seen it in 30 years. CAP members were able to find the stone and uncover it for her. As she wept she could not thank the members enough.

Food and beverages are now donated by local restaurants to feed the workers. Flowers and landscape supplies are being donated to give it a finished look. The local VFW is supplying flags to be placed at the grave site of each veteran.



FLORIDA — Cadets from the Lantana/Lake Worth Cadet Squadron brought home awards for their performance in the regional color guard competition held at Columbus Air Force Base, Miss.

The squadron's color guard placed second in the Southeast Region competition.

The second-place team consisted of cadets: Master Sgt. Tommy Miller, Tech. Sgt. Jacqueline Broedell, Staff Sgt. Jennifer Obranic and Senior Airman Hans Sharp. The cadets received support from 1st Lt. David Leali and 2nd Lt. Edith Miller.

Two cadets also took top honors. Broedell recorded the fastest run-time in the female mile run and Sharp had the second-fastest time in the male mile run.

Cadet Tech. Sgt. Jennifer Obranic

GEORGIA — Members of the Peach Tree City Falcon Composite Squadron took part in an impressive air show.

The squadron supported the

"Wings over Dixie '99" air show by providing crowd control and ramp support, handing out brochures and pamphlets, and answering questions about the squadron.

2nd Lt. Bob Gillman

GEORGIA — A Gwinnett Composite Squadron cadet received an award for his actions while at the 1999 Florida Wing Summer Encampment at Eglin Air Force Base, Fla.

Cadet John Christian was named "cadet of the encampment." The award was presented to Christian by Maj. Jennifer Wertz, encampment commander, and Maj. Jason Jenkins, commandant of cadets.

Christian attends Collin's Hill High School in Lawrenceville, Ga., where he is serving his third year as president of the Technical Students Association. He also spent the past two years as a member of the National Honor Society, Mu Alpha Theta (a mathematics honorary), Beta Club and mock trial (where he functions as the lead plaintiff attorney). His grade point average is 3.94.

He has been a member of the Boy Scouts of America for nine years and earned his Eagle Scout rating last year.

Christian hopes to get an appointment to the U.S. Air Force Academy.

→ → →

GEORGIA — Three cadets from the Gwinnett Composite Squadron earned their pilots wings in gliders and power aircraft.

Cadet Laura Anne McDaniel received her private pilots license in just nine months.

Cadet Master Sgt. Rachel Meason, who was the commander of the championship Gwinnett color guard team, is the first female to work her way through the Georgia glider program.

Cadet Kevin Anderson, who also earned his solo wings with the Georgia Wing glider program, currently holds several of the wing's cadet soaring records, including the longest duration (3.5 hours), and absolute altitude of 9,000 feet above sea level.

Six cadets have earned their glider ratings through the Georgia Wing Glider School, and more than 20 have already taken solo flights. The program is open to all Georgia Wing members based on slot availability.

The contact person for the program is Capt. Charlie Meason, who is the Georgia Wing glider operations officer.

→ → →

Ten cadets in the Gwinnett County Composite Squadron recently received promotions.

The cadets are: Chuck Bursi, who was promoted to lieutenant colonel and received the Ira Baker award; Will Broadway, who was promoted to major; Matthew Israelson received the Amelia Earhart Award and was promoted to captain; John Christian received the Billy Mitchell Award and was promoted to 2nd lieutenant; Brendan Fowler advanced to sergeant; Mike Schay received his technical sergeant stripes; and Blake Hoffmeyer, Russell Stinchcomb, Sylvester D'Agrella and Luis Rivera earned their airman stripe.

The awards were presented by Maj. Daniel Willmann, deputy commandant of cadets.

1st Lt. Tom Schmid

GEORGIA — The Columbus Composite Squadron recently hosted a physical training session taught by a doctor from the U.S. Army Physical Fitness school.

Dr. Ed Thomas, a world-renowned physical educator, Fulbright Scholar and kinesiologist, has designed fitness programs for the Army Rangers, Burma, Thailand and several universities. He is currently part of a team from the fitness school tasked with developing a training plan for the Army in the 21st Century.

Thomas spoke to the cadets about the benefits of proper movement and using correct posture. He compared Western culture, its furniture and movement habits, and overall lack of training in movement with typical Asian cultures, which he said paid more attention to posture

and correct movements. Thomas also said Asians tend to be in better shape and have more abilities in the area of motion than their Western counterparts.

Thomas, a Korean War veteran, used observations from his time in Korea to illustrate the impact of better motion training on physical abilities. Thomas said he noticed that the North Korean soldiers could squat and fire their rifles quickly and quietly, whereas the American soldiers running raids into North Korea would often give themselves away by their poor movements, especially their inability to squat and then stand up straight repeatedly. He said that most Americans are still unable to get up and down without using their hands.

The doctor offered some advice to the cadets to help them with their posture and motion. He advised them to quietly study the movements of others, and then to emulate those that seem to be "the most dignified."

Both the instructor and cadets present agreed that flexibility, strength and posture can be improved.

The U.S. Army physical fitness school Web site can be found at www.benning.army.mil/usapfs.

2nd Lt. David J. Nightengale

TENNESSEE — Cadets from the Morristown Composite Squadron were featured in several area parades, including a Veterans Day parade.

Color guard team members are: Staff Sgt. Michael Helton, Senior Airman Daniel Helton, and Airmen 1st Class Paul C. Howard and Zach Herbst. The team is led by 2nd Lt. Roy Pruitt, squadron deputy commander.

→ → →

A CAP pilot and world-record holder was a special guest at the annual Tennessee Wing conference.

Lt. Col. Evelyn Bryan Johnson, who is listed in the Guinness World Book of Records as having more flight hours than any other female pilot in the history of aviation, was the honored guest.

According to Johnson's log book, she has flown 53,700 hours, and is not done yet. The woman says she continues to fly on a daily basis and is a current instructor and Federal Aviation Association designated examiner.

Johnson is just one of the experienced pilots in Tennessee's Morristown Composite Squadron. Capt. Paul E. Howard is a pilot with Continental Airlines. He has

logged more than 12,000 hours flying aircraft such as the Boeing 727, DC-9, and the new-generation Boeing 737. Howard has served as an instructor and check airman with PT-121 air carrier operations and is a current flight instructor and CAP check pilot.

Howard was recently appointed as the squadron's aerospace education officer.

Capt. Paul E. Howard

NORTH CENTRAL REGION

COMMANDER
COL. SHEILA J. WALDORF

IOWA * KANSAS
MINNESOTA * MISSOURI
NEBRASKA * NORTH DAKOTA
SOUTH DAKOTA

KANSAS — Cadets participated in training exercises during a two-day reenactment of the Civil War's Battle of Mine Creek at Eisenhower State Park.

Senior members Capt. Kevin Bazil and 2nd Lt. Ronald Schlesener, and cadets Tech. Sgt. Jonathan Schlesener, Staff Sgt. Michael Langley, Senior Airmen Eric Thomas and Matt Day, and Airmen Ben Sosa, Michael Mallory, Ken Hausler and Jeff Goodman participated. The members provided traffic and crowd control as well as first aid during the reenactment.

2nd Lt. Ron Schlesener

MINNESOTA — Members of the Red Wing and Owatonna Composite squadrons attended the grand opening of the new Science Museum of Minnesota in St. Paul.

Cadets and seniors had the opportunity to tour the facility, which features the world's first convertible-dome Omnitheater featuring IMAX movies and a 3D laser light show. Cadets also had the opportunity to watch and meet with Bill Nye, "The Science Guy."

Maj. Todd Mandel

MINNESOTA — The St. Paul Composite Squadron's ground team responded to an electronic locator transmitter signal being tracked by the U.S. Air Force Rescue Coordination Center at Langley Air Force Base, Va.

The team consisted of: 1st Lt. Harlan Bloom, ground team



Record-holding CAP pilot Lt. Col. Evelyn Bryan Johnson poses with fellow pilot Capt. Paul E. Howard. Both are members of Ohio Wing's Morristown Composite Squadron.

leader; and cadets 2nd Lt. Christopher Snyder and Senior Master Sgt. Ryan Hilger.

The signal was traced to an aviation museum, which the members could not enter.

Cadet Chief Master Sgt. Ryan Hilger

→ → →

Cadets from the St. Paul Composite Squadron attended a noncommissioned officer school.

The cadets were: Senior Airmen Colin Rainey and Colin Dunn; Airmen 1st Class Joshua Magnuson and Matt Neshiem; and 2nd Lt. Christopher Snyder. Snyder served as drill instructor and substitute seminar leader at the weekend school.

The cadets learned drill basics, uniform standards, how to drill a flight, instructional methods, and how to prepare and give speeches to small groups.

→ → →

Several cadets of the St. Paul Composite Squadron received promotions.

Cadets promoted were: 2nd Lt. Christopher Snyder; Senior Master Sgt. Ryan Hilger; and Airmen Emily Heffner, Tom Kemp and Matt Piper.

Capt. Joshua Puhl, former squadron deputy commander for cadets, announced the promotions.

→ → →

Ten cadets from the St. Paul Composite Squadron successfully completed introductory classes held at the 133rd Airlift Wing in Twin Cities.

The following cadet airmen attended the classes, which were held to introduce the new members to what is expected of

cadets: John Cassidy, Chris Seefield, Krista Hennings, Kelsey Neshiem, Brad Brookens, A.J. Boyd, T.J. Nicoles, Pete Williams, and Mike and Peter Sullivan.

Staff members were: Cadet Airmen 1st Class Joshua Magnuson and Mathew McCabe; Cadet Staff Sgt. Isaiah Sieg; and Cadet 2nd Lt. Christopher Snyder.

During the class, cadets studied drill and ceremony, uniform standards, and customs and

courtesies. They also took leadership, physical training and drill tests.

→ → →

Promotions were announced for several cadets from the St. Paul Composite Squadron following a weekend training session.

Nine cadets from the training flight were promoted. They were: Christopher Seefield, Peter Sullivan, Krista Hennings, Michael Sullivan, Brad Brookens, Alan Boyd, Peter Williams, Brandone Lemageline and Kelsey Neshiem.

Isaiah Sieg, training flight commander, was promoted to technical sergeant.

The nine cadets also received certificates of completion, and Sieg, along with Airmen 1st Class Joshua Magnuson and Mathew McCabe, received certificates of recognition for teaching the trainees.

→ → →

Several cadets from the St. Paul Composite Squadron were taken on orientation flights.

They were: Airmen John Cassidy, Matt Smullen, Tom Kemp, Emily Heffner and John Bacigalupo; Senior Master Sgt. Ryan Hilger; Airmen 1st Class Trisha Vin Zant, Joshua Magnuson and Colin Dunn; and Tech. Sgt. Isaiah Sieg.

The orientation pilot who flew the cadets was Lt. Col. Charles Graf.

Cadet 2nd Lt. Christopher Snyder

MISSOURI — Cadets from the River City and Wentzville Composite squadrons enjoyed orientation rides at the St. Charles County Airport.

Lt. Col. Robert Linnenweber and Maj. Dan Higgs served as pilots from the Gateway Senior Squadron.

Cadets attending were: Brian Baldwin, Kevin Dixon, Dustin Clark, Heather Tobin, Ashley Combs and Michael Richards of the River City squadron; and Ryan Livergood, R. Dan Hunt, Kyle Creech, Timothy McClure, Eric Minard, Travis Lewis, Brandon Hargrove, Phillip Creech, Robert Stoneking, Neil Tornblom, Caleb Barclay and Tim Adams of the Wentzville squadron.

Senior squadron members participating were: Lt. Cols. Randy and Mary Fuller of the River City squadron; Lt. Col. Gene A. Rugh of the Wentzville squadron; and Lt. Col. Sharyn Rugh, Missouri Wing chief of staff.

About 40 flights were given.

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The Missouri Wing held their annual conference in Lake of the Ozarks, Mo.

Approximately 200 members attended and 175 attended the evening awards banquet.

Honored guests included: Maj. Gen. Loran C. Schnaidt, commander of the Missouri Air National Guard, and his wife; Henry Hungerbeeler, director of the Missouri Department of Transportation, and his wife; Col. Shelia Waldorf, North Central Region commander; Maj. Clark Knudsen, U.S. Air Force liaison officer; Col. David Shunk, Missouri Wing liaison officer; Col. Joseph McMillan, national chief of staff; Col. Nicholas J. Knutz, national inspector general; Col. John J. Lehr, North Central Region chief of staff; Col. John T. Rooney, North Central Region director of operations; and Col. Emmitt G. Williams, national assistant inspector general.

Lt. Col. William Barton, who celebrated his 93rd birthday, was surprised with a cake from his family and the wing. Barton has been an active member of the wing for 41 years and received the senior member of the year award at the conference.

Other awards included: Master Sgt. Carl Gilfooy, U.S. Air Force Reservist of the year; Maj. Gary Gregory, commander of the Richards-Gebaur Composite Squadron, public affairs officer of the year; Lt. Col. Albert Mognoit, wing chaplain, chaplain of the year; Andrew Rodreguis, cadet of the year; Cadet 1st Lt. Heather Woller, junior officer of the year; and Cadet Maj. Chris Belto, cadet officer of the year.

One of the night's highlights was the presentation of two

Spatz awards. Cadet Cols. Erica Williams and Patrick Chevelier, both members of the Saline County Composite Squadron, received the award from Schnaidt.

The final presentation was the Lucretia Knutz Memorial Squadron of the Year Award, which went to the Vanguard Composite Squadron. The award was presented by Knutz, who was also the former Missouri Wing commander and North Central Region commander. Knutz founded the award in memory of his late wife.

Lt. Col. Sharyn V. Rugh

MISSOURI — Sixteen members from the Missouri Wing attended a "Train the Trainers" seminar at Offutt Air Force Base, Neb.

The two-day seminar covered changes and improvements in CAP emergency services.

"We can expect to see the new course and tests in the field by March 2000," said Maj. John Desmarais, course instructor and emergency services planning director at CAP National Headquarters.

Participants included: Group commanders Capt. Troy Campbell, Group 1, Maj. James Lamar, Group 2, and Maj. Lee Schmidt, Group 5; 2nd Lt. James and 1st Lt. Sally Woller, Vanguard Composite Squadron; 2nd Lt. Mike Hackle and 1st Lts. Cynthia Campbell and David Regan, Charles R. Long Composite Squadron; Maj. Gary W. Gregory, Capt. Joan Brown and 1st Lt. Bert Brown, Richards-Gebaur Composite Squadron; Capt. Kelly Bickford, St. Charles Composite Squadron; Capt. Jim Chevalier, Saline County Composite Squadron; 2nd Lts. Patterson and Burroughs, Lee's Summit Composite Squadron; and Lt. Col. Scott Lawson, seminar coordinator, Sedalia Cadet Squadron.

Col. Sheila Waldorf, North Central Region commander, praised Lawson for his involvement and combined efforts with Col. Jeannette Lawson, wing commander, to assure that region members were offered the opportunity to attend.

Chief Master Sgt. Robert Feummeler, Missouri liaison noncommissioned officer, was also involved.

During the course, Desmarais said, "From now on, you'll know the person working with you on any major disaster relief project or emergency services mission has the training required to be a ground team member or leader."

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Two wing members were Kansas City Sertoma Club luncheon guests in November.

Capt. Troy M. Campbell, commander of Missouri Wing's Group 1, and Maj. Gary W. Gregory, commander of the Richards-Gebaur Composite Squadron, were invited to present the Missouri Wing-Frank G. Brewer aerospace awards in the individual and organizational categories before the club's 25 members.

The awards were related to the Downtown Airport Expo '99 air show and the celebration which was held to honor the Veterans of Foreign Wars on its 100th anniversary. During the air show, the club held its annual "Balloon-Fest," which featured hot air balloons from across the United States.

Kent Egy, club president, received the individual Frank G. Brewer award for his efforts. The club was presented with the group award.

Campbell, who was at the luncheon to assist in presenting the individual and group awards, had himself previously received the Missouri Wing Brewer Award in the senior member category.

"We are tremendously proud that, of our four nominations to the Missouri Wing, three of our recipients were present at (the Sertoma) meeting."

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Several awards were presented to members of the Richards-Gebaur Composite Squadron at the 1999 Missouri Wing Conference, including the Aerospace 2000 and other prestigious awards.

Many of the squadron's members were at the meeting as the squadron received the Aerospace 2000 Unit Award from CAP National Headquarters during the morning session.

Also receiving awards were: Cadet Nadia Al-Maliky, the Billy Mitchell Award; Lt. Col. Brian M. Main, a commander's commendation and lifesaving award; Lt. Col. Melinda Berry and Capt. Tony Belto, commander's commendations for their outstanding efforts with the 1999 Missouri Wing summer encampment; Capt. Billy Winkhart Jr., certificate of recognition for providing cadet orientation flights during the summer encampment; and Maj. Gary Gregory, certificate of achievement from the U.S. Air Force Rescue Coordination Center for attending their search management course.

The squadron color guard competition team posted the colors at the evening banquet, at which Col. Henry Hungerbeeler, a retired U.S. Air Force officer and director for the Missouri

Department of Transportation, spoke on leadership.

The awards were presented after Hungerbeeler spoke. The members of the Richards-Gebaur Squadron who received awards were: Cadet Patrix Duenas, Billy Mitchell Award; Gregory, wing public affairs officer of the year award; Melinda Berry, North Central Region "Torch" award; and Belto "Torch Mentor" award.

Other awards included: The Missouri Wing Frank G. Brewer individual aerospace award, which was presented to F. Kent Egy, president of the Kansas City Sertoma Club; the Kansas City Sertoma Club received Brewer organizational aerospace award; and the Brewer senior member award went to Group 1 Commander Capt. Troy M. Campbell.

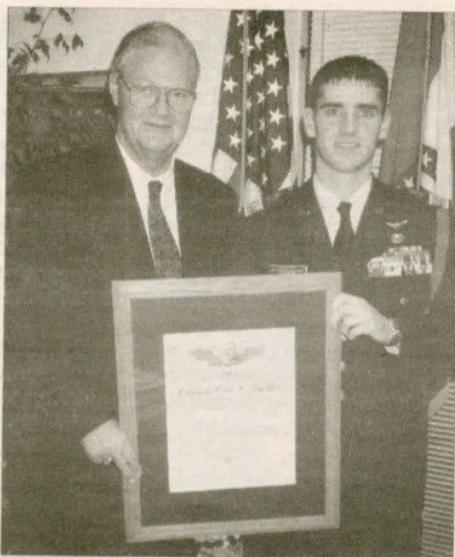
The highlight of the evening for the squadron members came when Cadet Maj. Christopher Belto was named the Missouri Wing cadet of the year. "This makes three consecutive years a Richards-Gebaur cadet holds the cadet of the year distinction, and five times in the past seven years," remarked Gregory.

Attending this year's conference were three of the five members who made up the North Central Region Cadet Color Guard Competition team and were the designated 1999 Missouri Wing Color Guard: cadets Senior Master Sgt. Chris Schley, Senior Airman Dan Sullivan and Airman Adrienne Johnson.

Paul assisted the Missouri Wing Color Guard. Cadets Julie Berry, Al-Maliky, Duenas, Belto, along with senior member Maj. Lynnette Gregory, were also in attendance.

Maj. Gary W. Gregory

MISSOURI — Members of the Richards-Gebaur Composite Squadron helped a Kansas City German club honor a retired U.S. Air Force colonel, according to reports from Cadet Airman 1st



Top: Cadet Col. James Patrick Chevalier of Missouri Wing's Saline County Composite Squadron receives the Spaatz award from Missouri Rep. Ike Skelton.

Bottom: Cadet Col. Erica R. Williams of the Saline County Composite Squadron receives the Spaatz award from Missouri Rep. Ike Skelton.

Class Daniel Sullivan.

A cordon consisting of 10 cadets under Cadet 1st Lt. Julie Berry, the cordon commander, as well as the squadron's color guard, participated as the 33rd Carnival Season Coronation of the Germania (German) Club of Kansas City honored Col. Arch Tucker. The color guard that participated in the celebration was the same one that won the 1999 North Central Region competition.

The cadets involved were: Berry; Senior Master Sgt. Robert Nelion; Master Sgt. Russelle Paul; Senior Airmen Christopher Santel, Niles Grant and Richard Fitzgerald; Airmen 1st Class Scott Knight and Zachary Packingham; and Airmen Serena Murphy, Jonathon Sandhu and Keithly Lake.

The region cadet color

guard members were Senior Master Sgt. Unruh; Sullivan; and Airmen Elizabeth Sandhu and Adrienne Johnson.

Airman 1st Class Daniel Sullivan

SOUTH DAKOTA — Twenty cadet and senior members from the Rushmore and Lookout Mountain Composite squadrons participated in a squadron search and rescue exercise at Custer State Park.

Capt. Dan Wilcox, squadron commander, and Lt. Col. Jim Howe, deputy commander of cadets, kicked the weekend off with training on survival equipment, search patterns and procedures and victim evacuation.

1st Lt. Jim Roy, mission pilot trainee, and Lt. Col. Mike Beason, mission pilot and observer, flew a CAP plane in and began the first exercise, which was a search for a missing person.

With ground communications support from Maj. Dave Jeffries, and coordination from the aircrew, the 10-member ground team found the missing person's vehicle and began a search of the area. Forty-five minutes later the person was found 1,000 yards away. The team assessed the victim's injuries, treated the wounds and evacuated the victim.

The next exercise involved locating an emergency locator transmitter. The search aircrew used direction-finding equipment to locate the ELT signal, then the crew directed the ground team to the area to use ground-based direction finding equipment to locate the ELT. Despite an environment that made tracking difficult, the team was able to find the ELT.

The day's last exercise dealt with another simulated ELT signal from a downed aircraft. Though the aircrew was able to locate the general area of the ELT quickly, finding the precise location on the ground was difficult and the search was eventually called off due to time constraints.

The final scenario provided the teams with both ELT and human targets. The aircrew, made up of Roy and Maj. Bob Adams, again narrowed the search and helped the ground team locate all targets.

After the training was complete, Cadet Airmen Christopher Cardenes and Joshua Chudej were given orientation rides in the squadron's Cessna 172.

During the weekend, the ground teams completed almost all the training necessary to earn the ground team member specialty rating, the ground team

badge and the emergency services patch. One aircrew member, Roy, completed training for the CAP mission pilot specialty and the emergency services patch.

Lt. Col. Michael Beason

SOUTH DAKOTA — Three South Dakota Composite Squadrons united in Kansas for an aerospace education trip.

The Onida, Pierre and Custer Composite squadrons traveled together to the Kansas Wing headquarters, met with a family of former South Dakota Wing members who currently live in Kansas. The day after their arrival, the group took a tour of McConnell Air Force Base, where they stayed until the next day. After leaving McConnell, they went to the Army/Guard Learning Center, where they were taken on a tour of the computer training facility.

A retired astronaut and South Dakota native, Chuck Gemar, who currently works as the chief safety officer at the Bombardier Lear Jet Manufacturing Plant, took the members on a plant tour. Gemar was instrumental in arranging the trip and the tours.

The next stop was the Omnisphere and Science Center for hands-on exhibits, as well as the Planetarium and Bubble shows.

A trip to the Lake Afton Observatory was next, though the observatory's 16-inch telescope could not be used due to weather conditions.

The Kansas Cosmosphere and Space Center, which has more than 10,000 artifacts, an Omnimax 44-foot wrap-around theater and is one of the country's premier space museums, was also visited.

Squadron members attending were: Maj. Nancy and Marlin McKenney; Lt. Col. Albert Trumble; cadets Master Sgt. Tina McKenney, Staff Sgt. Tabitha Moore and Sgt. Tiffany McKenney.

From the Pierre squadron were: senior members Maj. Myra Christensen and Matt Bunkowske; and cadets Airmen Stewart Adams, Jordan Christensen, Patty Heermann, Ross Poile and Craig Schochenmaier.

From Custer were: senior members Capt. Jeanne Brownson, 1st Lt. Brad Nupen and Eileen River; and cadets Master Sgt. Aaron Brownson, 1st Lt. Kelly Brownson, Master Sgt. Pam Kelley, Airmen Steph Doclos, Zack River and Tom Linde, and Airmen 1st Class Josh Schwader and Justin Boggs.

Maj. Nancy McKenney

SOUTH WEST REGION

COMMANDER
COL. COLIN FAKE

ARIZONA * ARKANSAS
LOUISIANA * NEW MEXICO
OKLAHOMA * TEXAS

ARKANSAS — The Arkansas Wing won the Southwest Region crew competition held in Amarillo, Tx.

The competition is an annual event that tests the skills of the various wings in the areas of piloting skills, search skill and knowledge of regulations.

Arkansas also received the rating of outstanding for the second year in a row on the recent U.S. Air Force search and rescue evaluation. This marked the first time in recent history that a Wing in the Southwest Region has received an outstanding rating two years in a row.

Col. Coleman C. Roth is the commander of the Arkansas Wing and Lt. Col. Jim Niven is the emergency services director.

Dr. Abram L. Winters

ARKANSAS — Members of the Twin Lakes Composite Squadron participate as the Arkansas Wing receives its second consecutive rating of "Outstanding" on the annual U.S. Air Force evaluation exercise.

The exercise began Friday, Oct. 1, with Air Force officials presenting the exercise scenario to the Arkansas Wing's mission coordinator and planning staff.

The exercise scenario centered around a missing aircraft in the area of southwest Arkansas and eastern Oklahoma.

As information was obtained, search areas were selected and assigned to aircraft to search on their initial flight to the mission base at the Texarkana Airport.

A total of 76 members and cadets participated. Those members made up the mission headquarters staff and two ground search teams or worked on the crews of nine CAP-owned Cessna planes.

Search areas were assigned as the exercise continued Saturday morning. Aircraft were deployed to their designated areas.

Because of time concerns,

two ground teams were deployed ahead of time to the two most likely search areas. One of the teams was positioned in Arkansas north of Texarkana, in an area determined by the search and rescue satellites, while the other team was sent to the spot where the plane last made radar contact.

By Saturday afternoon the simulated downed aircraft was located on a ridgeline in the Ouachita Mountains southeast of Mena, Ark. The aircrews directed the ground team to rescue the survivors.

A team of U.S. Air Force officers and non-commissioned officers evaluated each portion of the exercise and, upon termination of the exercise, rated the wing's performance as "Outstanding".

The evaluators based their decision on how well the members planned and conducted the operation, with special attention on several factors. Those factors included: adherence to Air Force and CAP regulations and procedures; safety; maintenance of the equipment used, including aircraft, vehicles and communication equipment; documentation kept by the wing; and the training of emergency-services personnel participating in the mission. The rating was not based on whether the teams found the missing aircraft and crew, but on how they went about their search.

Senior members from the Twin Lakes Composite Squadron who participated were: Maj. Charles Wensel and Capt. June Wensel, administration; Capt. Jim Stevens, mission pilot; 1st Lt. Les Hall, mission observer; Maj. Bill Knotts and 1st Lt. Carroll Knotts, ground team.

Cadets from the Twin Lakes Squadron who participated were: Lt. A.J. Singletary, flight line; Senior Master Sgt. T.J. Hubbard, mission coordinator staff; Tech. Sgt. Bret Cullen, flight line; Airman Billy Selden, ground team; Senior Airman, Will Galloway, flight line.

Maj. Charles E. Wensel

ARKANSAS — Cadets from the Twin Lakes Composite Squadron participated in event held to promote general aviation and the Carroll County/Berryville Airport in northwest Arkansas.

The Berryville Fly-in is an annual event that is held to promote aviation and increase community awareness of the airport. Several pilots donate their time and aircraft to help, offering free airplane rides to attract members of the community to the event.

Bad weather early in the

morning caused a slow start, but as the fog lifted the cadets helped by directing the incoming planes to the designated aircraft parking areas and assisting those who were taking advantage of the free plane rides.

The weather turned bad around 2 p.m., forcing the event to close early.

In spite of the bad weather, there was a variety of aircraft present, including an amphibious plane, an antique bi-plane, a helicopter, several ultra-light aircraft, a powered-parachute ultra-light and a variety of modern airplanes.

Cadets from the Twin Lakes squadron who attended were: 2nd Lt. Singletary of Mountain Home, Master Sgt. Hubbard from Norfolk, Sgt. Cullen and Airman Kunefke from Flippin, Airman Coley from Lead Hill, and Airman Mitchell from Flippin.

OKLAHOMA — Members of the Oklahoma City Composite Squadron gathered to celebrate Christmas and honor those who helped offer disaster relief in the wake of Oklahoma City's May tornadoes.

The annual Christmas dinner was held on December 7, 1999, and was hosted by the squadron's commander, Lt. Col. Poochie Rotzinger. The dinner's honored guest was the Oklahoma Wing Commander, Lt. Col. Virginia Keller.

The master of ceremonies was Lt. Greg Spiczka, who spoke to those present about CAP, its history and the role that cadets play within the organization.

Spiczka presented disaster relief ribbons to the following senior members for their efforts during and after devastating tornadoes hit the Oklahoma City area on May 3, 1999: Lt. Jim Howell, Lt. Kathy Suarez, Lt. Jack Sokatch, Lt. Tim Gible, Lt. Jeremy Witzke, and Maj. M. David Heck.

The cadets to receive disaster relief ribbons included: Staff Sgt. Ian Brothers; Sgts. David Glick and Rose Norman; and Airmen Joseph Neihart, Johnny Norman, James Heard, T. J. Gible and Beau Harris.

Keller presented Maj. Beulah Dorsey with a letter of retirement from the national commander, Gen. Bobick, for 26 years of service to CAP.

The following cadets received certificates of appreciation for work and attendance in the squadron: Joe Modia, Gible, Rose and Johnny Norman, Bill Harned, Joshua Newport, Ian Brothers, Joshua O'Dell, Neihart, Jared Ransom, Glick, Harris and Jeffrey Heaselgreen.

The squadron's cadet of the

year award was presented to Sgt. Norman.

Maj. M. David Heck

TEXAS — Cadets from the Sugar Land Composite Squadron observed first-hand a weather phenomenon which is discussed as part of many aerospace education programs while touring the Tommy Hilfiger Airship.

The cadets were given a tour of the Tommy Hilfiger Airship, which has the distinction of being the largest non-rigid airship in the world, at Ellington Field, as part of their study of airships and airship flight. During the tour, a weather front passed through Ellington Field and the cadets were able to watch the world's largest wind sock rotate with the change in wind direction. The passage of weather fronts is frequently discussed in aerospace classes because of the impact fronts can have on aircraft.

After the tour of the airship, cadets returned to Sugar Land, where they built and flew hot air balloons as a follow-up to their hot air balloon aerospace education program.

The balloons reached a flying height of 50 - 75 feet.

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Members of the Sugar Land Composite Squadron raised community awareness for CAP by participating in a series of air shows in Texas recently.

Squadron cadets participated in: the Wings Over Houston Air Show, which was held at Ellington Field; Hobby Fest, which was held at Hobby Airport; and the Sugar Land Airport Fly-In.

The cadets were joined at both the Wings Over Houston and Hobby Fest shows by members of the Thunderbird Squadron, Sugar Land's "sister" squadron. Other squadrons from Group 13 joined Sugar Land and Thunderbird at Hobby Fest.

The cadets were involved in several activities at the shows. They marshaled aircraft, directed automobile parking, manned admissions gates, distributed handouts to spectators, delivered water and drinks to flight crews, and manned CAP recruiting and concession stands. They also manned the VIP and pilot tents, helped place and remove signs, helped handle crowd control, surveyed military aircraft of all types, and assisted other air show volunteers.

Cadets also had the opportunity to have lunch with a Kansas Air National Guard B-1 bomber crew and with many of the other flight crews at the

Wings Over Houston air show.

The CAP recruiting booths brought in several cadets to the Squadron and the recruiting efforts were complemented by the Thunderbird Squadron's 172 airplane. The plane was loaned to the Sugar Land Squadron for use as a static display and to provide cadet orientation flights. It was located next to a fully restored World War II vintage CAP aircraft at the Sugar Land Fly-In.

The keys to Thunderbird's 172 were, however, eventually returned with a tag labeled "Future Pride of Sugar Land".

Capt. Robert Wolin

ROCKY MOUNTAIN REGION

COMMANDER
COL. GARY H. TOBY

COLORADO * IDAHO
MONTANA * UTAH
WYOMING

COLORADO — The cadets of the Mile High Cadet Squadron had the opportunity to hear real-life stories of a side of law enforcement that few ever experience thanks to a visit from an Aurora Police Department special weapons and tactics team member.

Officer Kevin A. Cartica visited the squadron, bringing with him many of the unique tools of his trade. He also told cadets real-life stories from his years of working in that area of law enforcement.

The purpose of the visit was to educate the cadets on the realities of police work and to help them understand that the life of a police officer is not all "Hollywood glamour."

Cartica showed the cadets his issued Heckler & Koch MP-5 sub-machine gun and Colt M-16A1 assault rifle and described the advantages and disadvantages of each. He also brought a 37mm canister launcher, which, he explained, is used to fire tear gas canisters into barricaded rooms.

One point the officer repeatedly emphasized was, contrary to what the movies might suggest, the goal of SWAT members is to subdue suspects and minimize injury and/or loss of life.

To illustrate this point, Cartica discussed some of the

non-lethal weapons the teams carry. One of the most common is the "rubber rocket, which is a rubber 12-gauge shotgun slug designed to incapacitate a suspect without major trauma. Another device is the noise light diversion device. When deployed, this unit emits 2-million candlepower of light and 190 decibels of sound, and the effect is that people around the device are momentarily unable to see and think, which gives the law enforcement personnel a few seconds to disarm the suspects.

Cartica displayed some of the safety equipment used, beginning with his helmet, which had just saved his life, he said, when a bullet from one of his fellow officers handguns missed the intended target, penetrated a floor and struck Cartica.

Next the officer displayed the Tactical Entry vest, which weighs 28 pounds empty and around 35 pounds when loaded for standard use, and the portable shields which officers occasionally carry when forcing entry.

Capt. Peter L. Rousseau, Jr.

COLORADO — The Colorado Wing was represented by cadets from the Valkyrie Cadet, Broomfield Composite, Vance Brand Cadet and Timberline Cadet squadrons who marched in the Veterans Day Parade in Denver to pay tribute to America's veterans.

The cadets were met with cheers from CAP supporters and sponsors who lined the streets for the parade. Both the Broomfield and Vance Brand squadrons brought color guard units and the Valkyrie Cadet

Squadron provided the wing banner in an effort to link the groups together.

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The Valkyrie Cadet Squadron celebrated their awards and promotions ceremony with special guest Capt. Tim Winslow from the Colorado Army National Guard aviation unit.

Winslow, a helicopter pilot stationed at Buckley Air National Guard Base, Colo., talked about his experiences during a 13-year military career. He shared examples of how his own leadership decisions have had an impact on his life, as well as on the lives of others under his command. The speaker served as both an enlisted member and officer of the U.S. Army.

Following Winslow's presentation, Colorado Wing Commander Col. Bill Hines presented Billy Mitchell awards to Cadet 2nd Lts. Michael McKenna, Jamison Walsh and Brian Werner.

Cadets receiving promotions were: Senior Airman John Babcock, Tech. Sgt. Mike Bristol, Staff Sgt. Trent Campbell, Aiman Matt Garcia, Tech. Sgt. Chris Hartsen, Senior Airman Sheldon Johnson, Airmen 1st Class Ben Vanzytveld and George Shen, and Senior Airman Nicholas Walsh. Bristol and Hartsen also received two-year service awards.

Five cadet community service awards went to: cadets Senior Airman Sheldon Johnson, Airmen Katalin Johnson and Nicholas Tucker, and 2nd Lts. Chaney King and Michael McKenna.

1st Lt. Courtney Walsh
UTAH — Members of the Uintah Basin Composite Squadron helped a group of first graders learn about hot air balloons.

The members assisted Roosevelt Elementary School's first grade teacher Carol Elbright, who earned the "Teacher of the Year" title, demonstrate the principles of hot air balloon flight. Miniature hot air balloons helped the lesson come alive for the students.

The balloons were purchased through the Civil Air Patrol Bookstore and put together by the students themselves, with help from teachers and parent volunteers.

Prior to launching, a question and answer session was held. Answering questions was 1st Lt. Phil DiBartola, squadron public affairs officer.

Phil DiBartola

UTAH — The Utah Wing celebrated CAP Sunday by holding a worship service in the Hill Air Force Base Museum Chapel.

The service was held to show appreciation to all members who have contributed their time and efforts to fulfill CAP missions.

Cadet Staff Sgt. Bryce Mercer reminded the attendees of President John F. Kennedy's advice: "Ask not what your country can do for you, but what you can do for your country."

Cadet 2nd Lt. Ryan Smith talked about the importance of one individual.

Lt. Col. James Mercer reviewed CAP's history and specifically pointed out that the wing has been on the forefront of the cadet program from its inception.

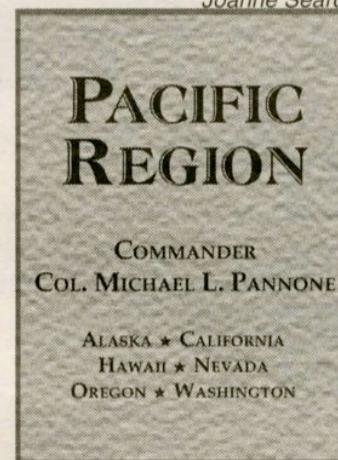
Col. Terry Robison, Utah Wing commander, expanded on Smith's remarks. He asked that CAP members think about what imprint they individually want to leave on CAP history. "Our paycheck," Robison said, "is seeing the accomplishments of others."

Lt. Col. Donald F. Bruey, retired U.S. Marine, was the guest speaker. Bruey, a former fighter pilot currently working

as the assistant to the mayor of Ogden spoke about the impact that CAP has had on aviation. While in the Marines, Bruey's wingman was shot down and his crew was unable to contact area U.S. Air Force search and rescue units. The Civil Air Patrol responded and, in conjunction with a ground team, found the downed crew.

The spirit of the worship service was best summed by Chaplain James R. Behrens, who wrote the CAP Hymn. In that hymn he wrote, "Help us know all that can be through the efforts of CAP."

Joanne Searcy



CALIFORNIA — Two cadet members of the John J. Montgomery Cadet Squadron recently directed the squadron's first dining out.

Cadets Master Sgt. Tara E. Horne and Tech. Sgt. Kevin B. Haggerty headed the social event, at which cadets and senior members followed the traditional "rules of engagement" — from the formality of addressing the president of the mess to being sent to the nonalcoholic "grog bowl."

The after-dinner address was by the commander of the San Jose unit, Maj. James H. Sena. "These formal events provide the members with a new, fun perspective of CAP. It won't be our last one," said Sena.

2nd Lt. Robert R. Chambless, squadron emergency services officer, also attended. Chambless has since left for basic training with the U.S. Air Force. After completing basic, he will attend technical training as a cryptologic linguist at the Defense Language Institute Foreign Language Center in California.

Chambless is a former cadet who earned the Billy Mitchell award in 1994. Because of his accomplishments as a cadet, he will be promoted to airman first class upon completion of basic training. He has also already begun earning credits toward an associate's

degree in Intelligence Application from the Community College of the Air Force.
2nd Lt. Michael S. Montgomery Jr.

CALIFORNIA — Forty-six members of the Tehachapi Composite Squadron visited the moving version of the Vietnam Memorial Wall and paid tribute to area veterans with a social.

On Veteran's Day, the squadron's color guard presented the colors to the veterans that gathered for the assembly and presentation. After the salute, the color guard extended an invitation to them to attend the squadron's second annual veteran's night social.

At the social, cadets and senior members presented poetry, music and speeches that honored the different branches of the armed forces and the veterans.

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The commander and several cadets of the Tehachapi Composite Squadron attended a rocketry shoot-off and watched as rockets weighing up to 87 pounds were launched.

Ten cadets joined the squadron's commander at "RockStock V." The event is held every six months and is sponsored by the National Association of Rocketry and Tripoli Rocketry.

Rockets as long as 14.5 feet and with weights up to 87 pounds were launched at the event.

Carol Schaubshlager

CALIFORNIA — Pilots from the San Fernando Senior Squadron recently went to Edwards Air Force Base, Calif., for training that will help them fly in the state's mountainous regions.

Seven pilots attended the training on aviation physiology, which is especially helpful because of the rugged terrain in the area.

The morning session consisted of classroom training in hypoxia, decompression sickness and vision as affected by altitude and spatial disorientation.

The afternoon session began with equipment, including oxygen masks, being issued to the pilots. Once the equipment was issued, the pilots went into the high-altitude chamber for a full briefing before ascent.

Attending were: Capt. Vern Gibson, squadron commander; Capt. Joe Spahr; Maj. Steve Huss; Capt. Ed Stucke; 2nd Lt. Spencer Suderman; senior member Wally Stephen; and 1st Lt. Brian Stover.

1st Lt. Brian J. Stover



1st Lt. Phil DiBartola of Utah Wing's Uintah Basin Composite Squadron, Roosevelt Elementary School teacher Carol Elbright, and her first-graders, hold up one of the balloons used in their "Balloon Fly-Off."

CALIFORNIA — Senior members and cadets from the Sierra Composite Squadron joined the San Joaquin County Office of Emergency Services and other agencies in a scheduled search and rescue drill.

Three senior members and three cadets searched for three adults whose raft overturned on the Mokelumne River. Capt. William Correll, squadron commander, acted as mission coordinator. He was assisted by Cadet 2nd Lt. Michael Jarnagan at the incident command center.

Capt. Dan Root led a ground team made up of 2nd Lt. Alan Chandler, Cadet Staff Sgt. Nick Hawn and Cadet Senior Airman Jeremy Rowe. Aircraft, horse-mounted patrols, dog teams, off-road vehicles and dive teams participated as well.

Many of the squadron's members have also completed courses on the Incident Command System and earned certification in both planning and intelligence, and air operations.

Capt. Daniel E. Root

HAWAII — Members of the Hawaii Wing and Pacific Region Liaison Office participated in a Combined Federal Campaign keyworkers event at Hickam Air Force Base.

Maj. Daryl Choy, 1st Lt. Eric Crimmins, Lt. Col. Doug Miller and Chief Master Sgt. Les Kellum attended the event, which was held for those who would be collecting CFC donations.

The CAP booth provided information to the hundreds present on CAP cadet and senior programs and answered questions.

Some of the money from CFC donations goes to benefit

the cadet program.

Lt. Col. Doug Miller

NEVADA — Members of the Clark County Composite Squadron honor guard started a baseball game for the Las Vegas Stars.

The honor guard presented the colors at the game, after which squadron commander Capt. Garret Coleman threw out the first pitch.

Members present were: 2nd Lt. Shannon McCarty, senior flag bearer; Senior Airman Leslie Fairchild, junior flag bearer; Airman 1st Class Robert Fairchild, senior guard; and Airman Michael Mocabee, junior guard. (Capt. Lorrie McCarty advises the honor guard.)

The cadets were supported by their parents and others attending, including: Maj. Diane Hathway and Lt. Col. James Montgomery.

Cadet 2nd Lt. Shannon McCarty

NEVADA — About 200 cadets and senior members of the Nevada Wing gathered for the wing's annual conference in Las Vegas.

The event's keynote speaker was CAP National Commander Brig. Gen. James C. Bobick. Rep. Shelly Berkley (D), from the First Nevada Congressional District, also addressed the conference.

At the banquet, several units and individuals within the Nevada Wing were recognized for their accomplishments. Col. Carothers presented the first group of awards. Unit awards went to the Nellis Senior Squadron, senior unit of the year, Blackhawk Composite Squadron, cadet unit of the year, and Reno Composite Squadron,

squadron of merit.

Individual awards included: Lt. Col. Arvid Schnackenburg, Nellis Senior Squadron, squadron commander of the year; Maj. Robert Dulinawka, Clark County Composite Squadron, senior member of the year; Cadet 1st Lt. Patrick Reardon, Blackhawk Composite Squadron, cadet officer of the year;

Cadet Master Sgt. Martin Mayo, Clark County Composite Squadron, cadet noncommissioned officer of the year; Cadet Airman Josh Chase, Clark County Composite Squadron, cadet airman of the year; Carl Douglas, Nellis Senior Squadron, and William Schacker, Feather River Squadron, pilots of the year;

1st Lt. William McKinley, Nellis Senior Squadron, observer of the year; Maj. William Burnett, search and rescue base member of the year; Lt. Col. Carl Steinhoff, executive officer, and Maj. Robert Boone, director of senior programs, wing staff members of the year; Capt. Richard Saver, Clark County Composite Squadron, moral leadership officer of the year; and 1st Lt. Sharon Reardon, Blackhawk Composite Squadron, Col. Skip Pasutti Aerospace Education Award.

Bobick presented the cadet leadership awards to Lt. Col. Maureen Brown, Elko Composite Squadron, and Capt. Dennis Rosenberg, Minden Composite Squadron.

Commander's commendations went to: Cadet Master Sgt. Casey Hilliard; and senior members William Kerschner, Rezk Mohamed, Victor Smith, William Burnett, Curtis Jones, Jon Gillespie, Peter Goeser, Tom Miller, Dion DeCamp and Jean Dayton.

Lifesaving awards were presented to senior members James Montgomery, Arvid Schnackenburg, Thomas Miller, Carl Douglas, C. Ray Kelder and Donald Hawks.

Capt. Sam Sottosanti, Clark County Composite Squadron, received the Grover Loening Award. James Forney received the Paul E. Garber Award.

Finally, Arvid Schnackenburg was promoted to lieutenant colonel and Garret Coleman, Clark County Composite Squadron, was promoted to major.

Capt. Charles McCarty

OREGON — Cadets from the High Desert Composite and Angel Falls squadrons went on a tank ride thanks to members of

the U.S. Army National Guard.

Cadets from both squadrons joined at the 82nd Cavalry Training Center, where sergeants in the Guard discussed the M1A1 Abrams and M2 Bradley tanks.

The cadets were introduced to the engines, guns, ammunition and crew requirements, and then taken on rides in both.

Cadet 2nd Lt. Justin J. Wilkens

WASHINGTON — Several cadets from the Tri-Cities Composite Squadron shared their knowledge of proper flag handling.

Members taught color guard and flag etiquette classes to the Girl Scouts. Specific class subjects included: how to show proper respect for the flag (taught by cadets Trevor Pottel and Luke Hedman, presenting the colors indoors (Paul Kawaguchi and Matthew Winckler), and presenting the colors outdoors (Zoae Scharold and Daniel Clark).

Cadets Clayton Townly and Nathan Owens assisted with the classes on respect for the flag and presenting the colors outdoors.

The event was organized and coordinated by Kawaguchi. *Cadet Staff Sgt. Zoae N. Scharold*

Classifieds

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The Final Salute

Capt. Josephine E. Bates
Hernando County Composite Squadron
Florida Wing

Cadet Staff Sgt. David Bristley
Dan Klitzman Memorial Composite Sq.
Wisconsin Wing

Sr. Mbr. Raymond W. Bugden
Wicomico Composite Squadron
Maryland Wing

Col. Louis B. Cole
Westwego Senior Squadron
Louisiana Wing

2nd Lt. Walter R. Dahlgren
Stratford Eagles Squadron,
Connecticut Wing

Chaplain (Lt. Col.) H. Kermit Davis
Southeast Region

Cadet Brian F. Dobrowski
Brockton Composite Squadron
Massachusetts Wing

Lt. Col. Frederick Muenzel
Picatinny Squadron
New Jersey Wing

William R. Frizzell
Sky Harbor Composite Squadron
Arizona Wing

Maj. Jon R. Haggin
Camarillo Composite Squadron
California Wing

Chap. (Lt. Col.) John W. Haynes
Group IV
Ohio Wing

1st Lt. Bob L. Hunt
Eagle Composite Squadron
Ohio Wing

Sr. Mbr. Charles D. Kise
Los Alamos Composite Squadron
New Mexico Wing

1st Lt. John D. Maclay
Thunderbird Composite Squadron
Texas Wing

Maj. Robert E. Mongo
California Wing

The *Civil Air Patrol News* publishes the name and unit of present or former CAP members who have passed away. Notices should be submitted in accordance with CAP Regulation 35-2 and mailed to: CAP/DP, 105 S. Hansell St., Building 714, Maxwell AFB, AL 36112-6332.