Vol. 49 No. 44 November 6, 2009



Photo by Mike Kaplar

### FalconLaunch goes off with a bang

Cadets 1st Class Woody Sukut, Dan Richardson and Nolan Brock secure the FalconLaunch 6 rocket to the test stand for a static test fire of the propulsion section Wednesday in Jacks Valley. See story Page 7.

### November: Military Family Month

By Air Force News Service

WASHINGTON (AFNS) — President Barack Obama pledged his support of military members and their families and said Americans have a "solemn obligation" to preserve their wellbeing in his proclamation declaring November as Military Family Month.

The proclamation reads:

"No one pays a higher price for our freedom than members of our nation's military and their families. As sons and daughters, husbands and wives, and mothers and fathers are deployed, military families endure with exceptional resilience and courage. They provide our troops with invaluable encouragement and love, and serve our nation in their own right. During Military Family Month, we honor the families of our armed forces and

thank them for their dedication to our country.

"Though only a small percentage of our nation's population, our troops bear the great responsibility of protecting our people. They, along with their families, serve us every day with courage and dignity. Ensuring that military families receive the respect they deserve and the support they have earned is a top priority for my administration.

"The strength of our nation is measured not just by our success on the battle-field, but also by our ability to support those families who have made so many sacrifices for us. Time and again, military families have shown their heart in the face of adversity. We have a solemn obligation to ensure that while our men and women in uniform discharge their duties, we do all we can to promote and preserve

the well-being of their families. We must also support the families of our wounded warriors and our fallen heroes who have paid the ultimate price for the freedoms we enjoy.

"This month, we celebrate the tremendous contributions of military families, convey to them our deepest respect and appreciation, and recommit ourselves to their support.

"Now, therefore, I, Barack Obama, president of the United States of America, by virtue of the authority vested in me by the Constitution and the laws of the United States, do hereby proclaim November 2009 as Military Family Month. I call on all Americans to honor military families through private actions and public service for the tremendous contributions they make in the support of our servicemembers and our nation."

# Congrats to USAFA's newest CMSGT

By Academy Spirit staff



The Academy has one new Chief Master Sergeant select this year after the promotion results were released Thursday morning. We would like to

congratulate Senior Master Sgt. Michael Dahlhoff, Cadet Wing, for his selection to the top enlisted grade.

The Academy had one selectee of five eligibles giving us a 20 percent promotion rate, which is right at the Air Force average of 20.87 percent. The Air Force selected 475 chiefs out of 2,276 eligible senior master sergeants.

# WEEKEND WEATHER FRIDAY 69 28 WINDY SATURDAY 68 31 SUN SUNDAY 59 26 SUN

### **YoAFF**

"We're committed to supporting the USAFA mission by providing abundant quality of life services and events on the Academy," said Gary Garland.

### Page 4

### Lone Airman

"The room was covered in dust and I started to hear more explosions. (I) figured OK, this is an attack," said an Airman from the 755th Air Expeditionary Group.

Page 10

### Firefighters blaze again

The Academy Fire Department earned four national championships and two second-place trophies at the Firefighter Combat Challenge Nationals.

Page 12-13

### Families: The Quiet Warriors

Retired Chief Master Sgt. **Bob Vasquez** 

Center for Character and Leadership Development

Wikipedia describes Veterans Day as "an annual American holiday honoring military veterans." It goes on to describe a veteran as "a person who has or is working in the armed forces, or a person who has had long service or experience in an occupation or office."

At the risk of alienating my brothers and sisters in arms with whom I served more than 30 years, and without disrespecting, in any way, those warriors who have sacrificed much more than I could even imagine, there is another group of "veterans" we sometimes forget to honor, even take for granted. But they should be honored right along those who have worn uniforms. They too are Warriors. They're the Quiet Warriors.

We don't have a holiday in their honor. They just go on doing what we expect of them and reap no real benefits from their sacrifices. I've often said, and have always believed, that the folks who truly have the toughest job to do in the military are the families. They're the Quiet Warriors. Now, don't get me wrong. After more than 30 years of active-duty service and seeing all that I saw in those years, I know our

warriors have a tough job to do. But, you know, we warriors sign up to do those tough jobs. When we go to battle we know that there's a possibility of not returning. When we get into battle we do what we're trained to do and we know what our responsibilities are. A warrior accepts the fact that, if required, he or she will give their life for fellow warriors and his or her

Military families don't sign up for any of that.

The really young families don't know that part of their contract is to possibly live a large portion of their lives without their spouse or without their parent. Oh, we tell them, but being told and living it are two different things.

I recall, while assigned to Ramstein Air Base in Germany not too long ago, I'd take every opportunity I could to go out to the Distinguished Visitor Hangar as a C-130, C-5, C-17, or some other type of aircraft would make its turn toward that hangar. I'd stand there at attention and wait. I'd wait until the DVs in the aircraft were taken off. They called this the Fallen Soldier Formation. The DVs were Warriors. They were taken off in flag-draped coffins. Luckily, Germany is usually wet most of the year, so I often credited the moisture in my eyes to the weather.

As I'd stand there at attention,

saluting my brothers and sisters in arms who made the ultimate sacrifice for that flag that stands for all that's right in this world, I'd think about that little boy or girl whose daddy or mommy was not coming home as expected. What do you tell a 3- or 4year old son or daughter who asks, "Where's my mommy?" or, "When's Daddy coming home?" Oh, you tell them the truth as best you can. You tell them they're heroes and you hug them and assure them that all will be well ... in time.

I'd also think about the spouse who already had twice the work to do for what was supposed to be a relatively short time, but now would have these responsibilities for life.

Military families have always had the toughest jobs, and they always will. They're the Quiet Warriors. They deserve to be Time magazine's Persons of the Year every year.

We should never forget the sacrifices past warriors have made for us but at the same time we should always remember the service our military families provided those warriors so that they could do what they did. And their work never stops. They continue to be the backbone of the Warrior Spirit.

Veterans Day is a great day to honor all our Warriors. Let's make this a great day to honor our military families, the Quiet Warriors.

To responsibly inform and educate the Academy community and the public about the Air Force Academy Lt. Gen. Mike Gould Academy Superintendent Lt. Col. Brett Ashworth -Director of Public Affairs Staff Sgt. Eric Bolt Chief of Internal Information eric.bolt@usafa.af.mil Ken Carter — Editor kenneth.carter@usafa.af.mil **Butch Wehry** — Senior Staff Writer whalen.wehry@usafa.af.mil Ann Patton — Staff Writer elizabeth.patton.ctr@usafa.af.mil Denise Navoy — Graphic Designer

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#### **Submissions**

Send submissions to: HQ USAFA/PAI, 2304 Cadet Drive, Suite 3100, U.S. Air Force Academy, CO 80840-5016 or deliver to Suite 3100 in Harmon Hall.

Deadline for free classified ads on a space available basis is noon every Tuesday for that week's publication date. Paid classified advertising is accepted by the publisher at 329-5236. The number to call for display advertising is 634-5905.

Deadline for all stories is noon Friday, one week prior to the desired publication date. Refer

questions to the *Academy Spirit* editor at 333-8823.

The *Academy Spirit* also accepts story submissions by fax at 333-4094 or by e-mail: pa.newspaper@usafa.af.mil.



IF YOU KNOW OF ANY INSTANCES OF FRAUD, WASTE AND ABUSE, REPORT IT TO ONE OF THE HOTLINE NUMBERS Intentional deception of the DoD such as bribes, graduities or false claims

TE: Extravagant, careless or expenditure of government

Intentional wrongful or improper use of government resources

### What's your 'Why'?

Center for Character & Leadership **Development** 

Nietzsche said that "He who has a why to live for can bear almost any how." "Why" is one of the most powerful words in our language. Add a "?" to it and you add even more power to it.

Have you ever thought about why you do what you do? Why do you speak as you do? Why do you behave as you do? Why do you think the thoughts you think? Why are you here? Most of us would say we're the product of our experience

and environment. Many of us would say that we were brought up to be who we are. The nurture vs. nature argument has been around for ages and will probably continue without conclusion.

Every person who has had a powerful impact on the world had a specific sense of purpose. People like Mother Theresa, Gandhi, and Victor Frankl all had the sense of doing what's right regardless of the consequences for them personally. We call that integrity.

Why do we do what we do? We all have different reasons. If we're to maintain the great dreams.

force we now are, we must have integrity; integrity to principles beyond ourselves. And we must have it every day. As Dr. Stephen Covey says, "If you keep doing what you're doing, you'll keep getting what you're getting."

We all have a purpose in our lives. What's your purpose? Why do you do what you do? Find a purpose that's aligned with the principle of integrity and you'll find success beyond your

Tune into KAFA, 97.7 FM for Character Matters, Wednesdays at 8 a.m. and 8 p.m. Also on iTunes or www.usafa.org.

Football forecast for Air Force versus Army?

"Lots of thunderbolts and lightning sweeping across Falcon Stadium. Go Birds, spank the Mules."

2nd Lt. Alexandria Provenghi Academy Admissions



Josh Berry

cold and snowy for Army."

"Very sunny for the Falcons and

"Cloudy with thunder and lots of rain for the home team."

"Bright and sunny for the Falcons with a 21-7 victory."



Army Master Sgt. Santiago Perales U.S. Military Academy, G-3









### Academy named Air Force 'Net-Zero' installation

By Mr. Russ Hume

10th Air Civil Engineering Squadron

What began as a self-imposed initiative at the Academy has now garnered the attention of Headquarters Air Force, the Department of Defense, and the Department of Energy.

In October 2009, the U.S. Air Force named the Academy as its selection for the Air Force Net Zero Energy Installation initiative.

Under the initiative, each branch of the military services selected one installation to study and implement initiatives to achieve a Net-Zero status. The NZEI initiative kicked-off last year with Marine Air Corps Station Mirimar selected by the Marine Corps. As part of the NZEI initiative, the National Renewable Energy Lab will be actively aiding the entire Academy installation in building upon its already created plan for a net zero installation and facilitating with funding opportunities to reach the goal. Led by our 10th Air Base Wing, the Academy plan will be used as a template for other installations in the Air Force and DoD to build from.

To expand upon what the other services do with their NZEI selection, our installation will also involve and utilize

cadets and incorporate research and findings into cadet learning. The energy culture change necessary in the nation starts with education, and cadets have already been involved in the development of the solar array project funded with the American Recovery and Reinvestment Act of 2009 and the installation of solar photovoltaic roofing on Vandenberg Hall ... and this is just the beginning.

The Academy has received much recognition from our forward leaning posture on energy, but we still have a long way to go.

By 2015, our installation must reduce its current energy consumption by 38

percent while increasing its renewable and green energy from a 2010 amount of 10 percent to 100 percent. Both goals are arduous, but are attainable with a steadfast focus.

"Our Air Force Academy is just getting started and kicking it into high gear across the entire installation in Energy & Green Programs," said Col. Rick LoCastro, 10th Air Base Wing commander. "We've got a three-tiered approach in the way of Education, Conservation, & Innovation. We're ready to lead the Air Force as the Net-Zero Energy Installation for our service ... and we are excited and energized to show all of DoD what we can do."

### Local events celebrate Native American Heritage

The national theme for Native American Heritage Month is "Living in Many Worlds."

The local native community, along with the Academy, Peterson Air Force Base and Fort Carson will hold events throughout November to educate and celebrate awareness.

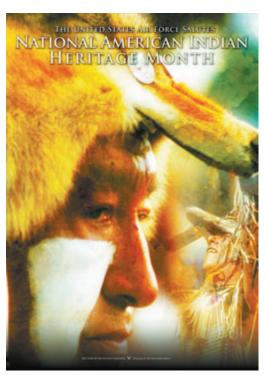
**Today:** Native American Dance Expo and Frybread Sale from from 11 a.m. to 1 p.m. Lory Student Center Plaza, Colorado State University, Fort Collins, Colo.

**Saturday:** CSU Fall Pow Wow at the Main Ballroom Lory Student Center, Fort Collins, Colo. Dancing starts at 10:30 a.m.; Veterans' Powwow - Honoring Our Nation's Veterans at the Sky Ute Casino Resort, Ignacio, Colo. Dancing starts at 10:30 a.m.

The 20th Annual American Indian Veterans of Colorado Veterans' Day Powwow Denver Indian Center, 4407 Morrison Road, Denver, Colo. Dancing starts at 10:30 a.m.

Nov. 17: Luncheon from 11 a.m. to 12:30 p.m. at the Milazzo Club. Menu includes authentic catered Native American meal. Cost is \$7. Call 333-2228, 333-5458, 333-2236 or 333-6374 for tickets. The event features Allen Mose Ir. and son; the Seven Falls Dancers.

**Nov. 21:** The "Message Run," weather permitting, will be held from 10 a.m. to noon starting at the Park Drive Pavilion near the Academy Health and Wellness Center.



Children's activities and snacks will be provided inside the HAWC.

**Monday:** Peterson AFB is having the Seven Falls Indian Dancers perform at the base auditorium. Time not determined at time of publication.

For further information about off base Colorado Pow-wow's and cultural events, go to <a href="http://www.fortnet.org/PowWow/events.html">http://www.fortnet.org/PowWow/events.html</a>.

### CFC surpasses goal

By Butch Wehry Academy Spirit staff



This year's Combined Federal Campaign has been the most successful in Academy history.

"We had a tremendous turnout for the 2009 CFC," said Academy Superintendent Lt. Gen. Mike Gould. "The generosity of the men and women here at the Academy was overwhelming."

The contribution total as of press time was \$650,800.00, a number expected to increase by the campaign's conclusion on Veterans Day.

The Academy goal was \$530,000.

"On Nov. 11 it is officially over," said Academy CFC project office Capt. David Alaniz. "We had stopped taking

donations Nov. 3, so we have time to clean up all of the loose ends. We exceeded our goal by 23 percent or more. The Academy was the first facility in the Pikes Peak region to meet its goal."

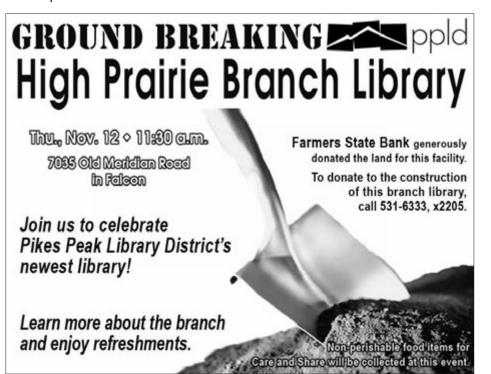
More than 40 percent of Academy people donated, which beat out the national average.

"This is a large base that is spread out over the side of a mountain but we are all still very close when it comes to helping each other out," Captain Alaniz said.

These numbers, he said, directly reflect the generosity of the Academy community.

"It shows that we care not only for each other but for our community as well," said the captain said. "The whole base played a very important role to make this year's campaign the best. All of the key workers, the unit project managers, CE, media folks, 97.7 KAFA, and many others are the ones who came together as a team to make this a success!"





### Year of the Air Force Family:







By Inis Lovely 10th Force Support Squadron Marketing

The 10th Force Support Squadron continues rolling out its campaign to highlight services and events in support of the Year of the Air Force Family.

The Year of the Air Force Family was kicked off by Secretary of the Air Force Michael Donley and Gen. Norton Schwartz, Air Force chief of staff in July 2009. The year-long initiative focuses on family concerns and needs, as well as services already in place to support Air Force families, including single Airmen and DoD support staff.

"We're committed to supporting the USAFA mission by providing abundant quality of life services and events here on the Academy," said Gary Garland, 10th FSS director. "It is, after all, the reason FSS exists and our primary mission."

The squadron wrapped up last month's flurry of YoAFF activities with a very successful combined Winter Expo, Oktoberfest and Youth Carnival event at the big tent at Falcon Stadium Oct. 24. Attendance exceeded estimates as thousands of patrons enjoyed everything from a petting zoo to German music and food to the exceedingly popular annual USAFA Ski swap.

Services and events celebrating YoAFF continue throughout November. Family Night at Academy Lanes Wednesdays, a Youth Center movie night, a First Sergeants Thanksgiving Dinner at High Country Inn, a Deployed Spouses Spa Day hosted by Airman & Family Readiness Center, a hayride at the Equestrian Center and an extremely generous Thanksgiving Ski Package Giveaway with rental gear provided by the Academy Outdoor Recreation Center and lodging provided by Rocky Mountain Blue are just a few activities in the works for the month.

The Air Force wide initiative also got a campaign slogan, "The Air Force is a great place to LIVE, WORK PLAY," and a new website. The Web site, www.myairforcelife.com, launched on Nov. 1 and currently features a preliminary registration form where eligible users can sign up to receive YoAFF updates and register for a chance to win prizes such as iPod Nanos and iTunes gift cards.

The Web site will continue to sponsor competitions online throughout the year as well as highlight programs and activities throughout the Air Force including those on the Academy.

### **U.S.** Air Force Academy Year of the Air Force family

### **November Events**

### **Every Wednesday**

- Academy Lanes Family Night, 5 to 8 p.m.
- Family Night at the Falcon Club, 5 to 7:30 p.m.

#### **Every Thursday**

Chess Tournaments at Milazzo Center, 5:30 p.m.

#### **Every Sunday**

Parent/Kids Bowling League, 4 to 5 p.m.

#### All month

- Youth Center Fit Factor Learn the importance of making healthy choices
- Blue & Silver Book Club for Kids and Teens
- National "Recycle Month" learn how to "Live
- Library and USAFA Athletic Dept. USAFA Read
- Program earn sporting events tickets
- -YoAFF Child Care Provide of the Month
- Trips and Tours Disney Salute to Military Families discount tickets

Enter to win free Thanksgiving Ski Nov. 2-13 -Package at Outdoor Rec Center Family Bingo at Milazzo Center, 6 p.m. Today -Saturday -CDC Give Parents a Break, 12 to 4 p.m. Tuesday -New Parent Support Orientation,

9 to 10 a.m. Education Fair, II a.m. to I p.m.

Nov. 19 - Membership Dinner/Falcon Club 5 to 7 p.m. Nov. 20 -Equestrian Center Hayride, 4 to 6 p.m.

Turkey Trot 5K Fun Run, 3:20 p.m. Nov. 24 -Youth Center Movie Night, 2 to 5 p.m.

Airman & Family Readiness Center Open House, 8 a.m. to 3 p.m. Nov. 26 -

1st Sergeants Thanksgiving Dinner at High Country Inn, I 1:30 a.m. to I p.m.



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## Experts to answer **DoD officials**:

By Air Force News Service

FALLS CHURCH, Va. (AFNS) — Military Health System experts will host a Web-based town hall-style meeting Tuesday from 3 to 4 p.m. EST to respond to questions about H1N1 influenza.

Military members, their families, health-care providers and Defense Department civilians may submit questions starting using the comments box at http://www.health.mil/flu. As many as possible of the questions submitted in advance, as well as questions asked throughout the live event, will be answered during the Web hall. A transcript of all questions and answers will be posted to the site after the event.

"We want to keep servicemembers and their families informed about the H1N1 flu and the Department of Defense's vaccination strategy," said Dr. Michael E. Kilpatrick, director of strategic communications for the Military Health System.

Subject-matter experts from the Army, Navy and Air Force, the Office of the Deputy Assistant Secretary of Defense for Force Health Protection and Readiness, the Military Vaccine Agency, Tricare Management Activity and the Centers for Disease Control and Prevention are scheduled to participate.

Participants in the Web hall are asked to limit questions to H1N1 flu-related topics and to refrain from disclosing personal information, to protect their privacy. When possible, officials said, servicemembers should contact their chain of command to resolve issues.

The Military Health System is a worldwide partnership of medical educators and researchers, health-care providers and support personnel. The Defense Department enterprise consists of the Office of the Assistant Secretary of Defense for Health Affairs; the medical departments of the Army, Navy, Marine Corps, Air Force, Coast Guard and Joint Chiefs of Staff; the combatant command surgeons; and Tricare providers, including privatesector health care providers, hospitals and pharmacies.

> Courtesy of American Forces Press Service from a Defense Department Health Affairs news release

### H1N1 questions online | Military will have enough H1N1 vaccine

By Judith Snyderman

Defense Media Activity-Emerging Media Directorate

WASHINGTON (AFNS) — As shipments of some 3.7 million doses of H1N1 vaccine ordered by the Defense Department continue to arrive from the manufacturer, more than enough will be available for all military personnel and their beneficiaries, military medical experts said here Oct. 30.

Navy Cmdr. Danny Shiau, in the division chief for the Bureau of Navy Medicine and Surgery's force health protection, and Dr. Robert Morrow, the bureau's preventive medicine programs and policy officer, took questions about the military's seasonal flu and H1N1 preparedness efforts during an Oct. 29 "DoDLive" bloggers' roundtable.

Immunization for both seasonal flu and H1N1 is mandatory for all military personnel and it is highly recommended for beneficiaries. When the first cases of H1N1 were diagnosed in April, Doctor Morrow said, the department bought 2.7 million doses of the vaccine for mission assurance purposes.

At the time, it was unclear how many doses per person would be needed. But a single dose has been determined to be effective, Doctor Morrow said. The Health and Human Services Department distributed 1 million doses of the vaccine, Sanofi Pasteur, to the department, "so that's a total of 3.7 million individuals for (DoD) active duty, reservists, civilians and essential contractors."

First priority for the vaccine will go to deployed forces, Commander Shiau said, first in places like Iraq and Afghanistan, then to ships, trainees and

health care workers based on prioritizations.

Priorities for beneficiaries in the United States will follow federal and state guidelines, whether beneficiaries opt to get the H1N1 vaccine at military treatment facilities or at non-military clinics, Commander Shiau said. In either case, since the vaccine is free, and there will be plenty of it, it will not matter whether they get their shot from the military or civilian supply.

Overseas, civilian defense workers and beneficiaries will be able to get the H1N1 vaccine at military treatment facilities.

Commander Shiau added that so far, the general severity of cases seen has been mild to moderate, and there's been no operational effect on defense. But those with symptoms should contact their doctor or treatment facility before heading to an emergency room because some facilities have special procedures.

"The bottom line is, you don't want to spread it in the ER," he said.

The extra care being taken may be because "this is the first time that we've had two different kinds of influenza going around at the same time and two different kinds of influenza shots going around at the same time, and it's very confusing, even to those who do this day in and day out," Doctor Morrow said. His best advice is that when you have questions, "ask and clarify."

Commander Shiau added that to help prevent spreading seasonal and H1N1 flu, people should wash their hands thoroughly, cover their mouths when coughing and, when possible, do not go to work sick.

Courtesy of the American Forces Press Service

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Visit our branch: 1139 Space Center Drive, Colorado Springs, CO

### Post-Halloween energy vampires stalk cadet dorms

**By Julie Imada** USAFA Research Publicist

**Editors Note:** The cadets room was inspected for education purposes to further energy saving initiatives used in the cadet dorms.

Halloween may be over but when Cadet 3rd Class Josiah Eubank leaves his room in Sijian Hall, there are energy vampires lurking under his desk long after the last Snickers bar has been consumed.

On a recent morning, Cadet Eubank opened up his dorm room to USAF Academy's Resource Efficiency Manager Tom Hykes for a quick energy efficiency review. While Eubank and his roommate are mindful to turn out their lights and put their monitors on stand-by, there is more to energy awareness then just a flip of the switch and Mr. Hykes acknowledged cadets are limited in what they can do to impact energy use in their rooms.

The combination of single pane windows, building restrictions from the Academy's cadet area status as a National Historic Landmark District and other facilities challenges make being green a creative endeavor. Hykes also noted there are projects underway to improve the energy efficiency of the buildings in the cadet area as can be evidenced from the ongoing renovation efforts in portions of Fairchild and Vandenberg halls.

Some of the efforts to improve energy use in the dorms have included the addition of motion-sensor lighting in some areas, energy-efficient light bulbs, low E glass windows in portions of Vandenberg, and the use of low-flow showerheads. These energy improvement projects, underway for more than five years, will take a few more years to complete.

In the meantime, Mr. Hykes offered suggestions on how cadets can make sure they are mindful of their energy use.

### Windows and Outside Doors

Even before Mr. Hykes walked into Sijian Hall, he noted the dorm windows appeared to be being used for temperature regulation in lieu of the heating and air conditioning systems. Instead of suffering in silence while wasting energy, cadets are encouraged to report out-of-standard temperatures and other building issues to 333-8439. Other buildings, such as Fairchild and Arnold halls, also regularly have outside doors left open, regardless of the weather. Closing the doors is one step to helping maintain better temperature control. If rooms in Fairchild are too hot or too cold, send an email to jobs.df@Fairchild.edu

"Heating the out of doors doesn't work," said Mr. Hykes and acknowledged that the 10th Civil Engineer Squadron is working to find a better way to regulate the environmental control systems such as the possible use of automatic heating controls. Cadet Eubank agreed that oftentimes the windows need to be opened because the heat is difficult to turn down once it is on.

The original single-pane windows in the cadet area are a big part of the problem. Heating and cooling requirements are harder to achieve; energy-efficient double-pane windows are being installed as part of Civil Engineering's "fix USAFA" initiative.

Some of the suggestions Mr. Hykes made come down to awareness about the predicted weather for the day. Cadets, faculty and staff can plan when to have their curtains open or closed. "At night, especially with the single pane windows, close the curtains to keep the heat in. The curtains act as a thermal barrier," he said. For windows that face the sun during summer

cooling season, closing the curtains during peak sunlight hours saves energy and improves comfort. Behave as if you had no heating or cooling: you'll save energy and be more comfortable.

### Lighting

Many of the cadet dorm rooms are already equipped with motion sensors. The trick is to determine how much light is enough and turn off some of the lights with the bi-level switch. Mr. Hykes said they have already started using lower watt, more energy efficient lighting. "Most of the cadets are self-monitoring," Mr. Hykes said and added that the cost-effectiveness of possibly installing newer energy tracking technologies in cadet dorms has to be carefully weighed.

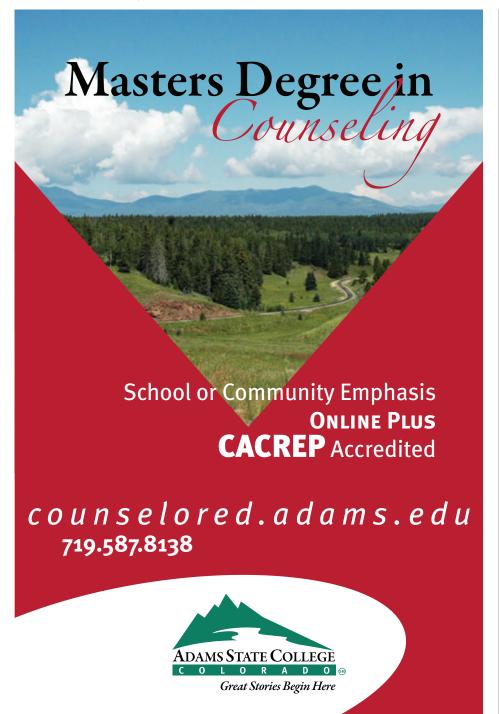
Making sure the lights are turned off when they leave for class is one of the key steps cadets can take to be more energy efficient.

#### **Electrical**

The biggest energy vampires still lurking in Cadet Eubank's room were the same ones that most of us pass over every day in our homes and offices. Televisions, computer monitors, laptop computers, video game consoles, cell phone and iPod chargers, and printers left plugged in, in sleep mode, or at full power are racking up watts hourly. Known as phantom loads or energy vampires, these components left plugged in are impacting the bottom line of energy use.

In Cadet Eubank's room, both he and his roommate had power strips with outlets for their cell phone and device chargers, their gaming console, computer, laptops, power supplies, and printers. While the monitors and printers were on standby, the other personal

See VAMPIRE, Page 9





If someone believed in me maybe I'd believe in myself.

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November 6, 2009

### FalconLaunch 6 ends test fire with a bang

By John Van Winkle Academy Public Affairs

The FalconLaunch 6 rocket ended its test-firing Wednesday in Jacks Valley with a bang.

The cadet rocket was secured to a test pad, and once the countdown ended, the rocket fired for a fraction of a second and then exploded.

The FalconLaunch cadre was watching the unexpected fireworks from 900 yards away, and thus the explosion resulted in zero injuries.

Firefighters from the Academy Fire Department's Fire Engine 7, out of Fire Station 2 were on-site for the test-fire. Once the rocket exploded, they moved in quickly to stifle any small bits of fire created by the rocket's fragments. After a minute, the area was declared safe and the cadets and instructors moved in to survey the site and locate the rocket's remnants. Overall damage to the area and test pad were minimal, with only a few small patches of scorched grasses. Fragments of the rocket were scattered over a 50-yard radius, and a mystery remained to be solved.

The purpose of the static test fire of the FalconLaunch 6 propulsion system was to validate a new data acquisition system and perform further testing on an igniter design that was developed during a previous academic year. The current academic year's team of FalconLaunch cadets was set to analyze and compare the actual thrust and chamber pressure data received from the test against predicted simulations.

'We expected 10.5 seconds of burn with about 4,000 pounds of thrust. This one was not that. Hopefully we'll be able to recover the data analysis and be able to review the video. Now the cadets' job is to find out why this happened," said Col.



The FalconLaunch 6 rocket's static test fire ends with a bang Wednesday morning in Jacks Valley.

Marty France, Permanent Professor and director of the Department of Astronautics.

Analysis began immediately after the attempted static test-fire. Cadets and instructors immediately began scrutinizing the video and discussing possible causes of the demise of FalconLaunch 6. Items discussed included a pressure plug, chamber pressure, the igniter, and the nozzle throat, and the pressure and thermal tolerances of each were examined.

"This was not what we expected, but it will become a learning experience to figure out why this happened and prevent it from reoccurring," said Cadet 1st Class Sean Foote, from the FalconLaunch propulsion team.

"We'll collect all the pieces and the data, and try to figure out why this happened and determine how it will affect the rest of the program," he added.

A thorough analysis is now underway to determine the cause of the rocket's demise. As for the cadet rocket program, FalconLaunch 6 was actually a step back into recent history, and now literally a blast from the past.

FalconLaunch 6 was originally scheduled to launch from NASA's Wallops Island, Va., range in April 2008, but a crack discovered in the solid propellant grain scrubbed the launch. The rocket was again scheduled for launch (with the existing crack) from White Sands Missile Range in

New Mexico in April 2009. But that was canceled again due to the possibility of impacting the White Sands National Monument.

Meanwhile, Astronautics continued and advanced the FalconLaunch program, despite FalconLaunch 6's issues. FalconLaunch 6 was the product of the 2007-2008 academic year, but the FalconLaunch 7 rocket from the 2008-2009 academic year had a successful launch at White Sands in April. Radar data shows that the FalconLaunch 7 rocket's boosteddart payload section reached an altitude of 354,724 feet, setting an unofficial world altitude record for university-built rockets.

See FALCONLAUNCH, Page 9



he Air Force Reserve is offering part-time opportunities for Combat Airmen with excellent benefits, including choice of home base, education assistance, secure employment and competitive pay.

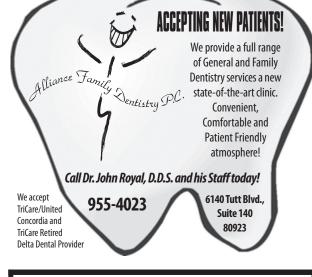
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### Recovery care provides non-medical support

By Academy Spirit Staff

The Air Force's Recovery Care Program for injured servicemembers in the Colorado, Wyoming and New Mexico region was activated at the Air Force Academy Sept. 1.

The RCP is a new program designed to provide non-medical support. The primary focus of the program improves how care and support is delivered to our wounded, severely injured or ill service members and their families.

"The intent of the RCP program is to complement existing care from the medical professionals and the Airman and Family Readiness Center by making the Recovery Care Coordinator more readily available to the recovering service member," said Alex Silva, USAFA's coordinator. "This program ensures service members and

their families aren't alone during their recovery, rehabilitation and reintegration processes."

The RCC is responsible for coordinating benefits and entitlements and develops a service member-centered comprehensive recovery plan to facilitate the road to recovery. This plan identifies both short and long-term goals and provides the services and resources to achieve them.

The program provides the support of a recovery care coordinator who assesses each individual to determine if the program can help. If it is determined the program will be of benefit, "Assistance can be as simple as making a phone call to clarify an issue or as in-depth implementing a comprehensive recovery plan to help the Airmen establish goals for recovery, track non-medical issues and coordinate points of contact," Mr. Silva said. "All too often individuals are not aware or fully understand their benefits and entitlements. My job is to ensure the recovering service member can focus on his or her care and minimize obstacles."

The RCC works closely with a recovery team to provide access to the services required during recovery, rehabilitation and reintegration, as identified in the comprehensive recovery plan. Services such as the Wounded Warrior Resource Center and the National Resource Directory are customized to the needs of each recovering service member and minimize the time it takes for each to recover completely.

"My 32-plus years of active duty and civilian experience in the people caretaking business will serve me well. I am used to helping those in need and the RCP is yet another quality of life extension of our Air

Force Wingman pro-grams," said Mr. Silva. "This is a wonderful opportunity to help individuals within our community in need of assistance."

The recovery coordination program was developed in compliance with the 2008 National Defense Authorization Act. It is managed by the Department of Defense's Office of Transition Policy and Care Coordination. The Air Force quickly moved to put boots- on- the- ground and currently there are 16 recovery care coordinators Air Force-wide. RCCs augment the Air Force Wounded Warrior Program for local area support to Airmen and families

The recovery coordination program acts as a conduit for recovering Airmen. Service members who may benefit from the program can participate by self-referral or a non-medical referral.

### New cyberspace support AFSC stands up

WASHINGTON (AFNS) -- Air Force officials here converted more than 43,000 total force enlisted Airmen from former communications career fields to cyberspace support Nov. 1.

The new Air Force specialty is made up of three former career fields: communications-electronics, 2EXXX; knowledge operations management, 3AXXX; and communications-computer systems, 3CXXX.

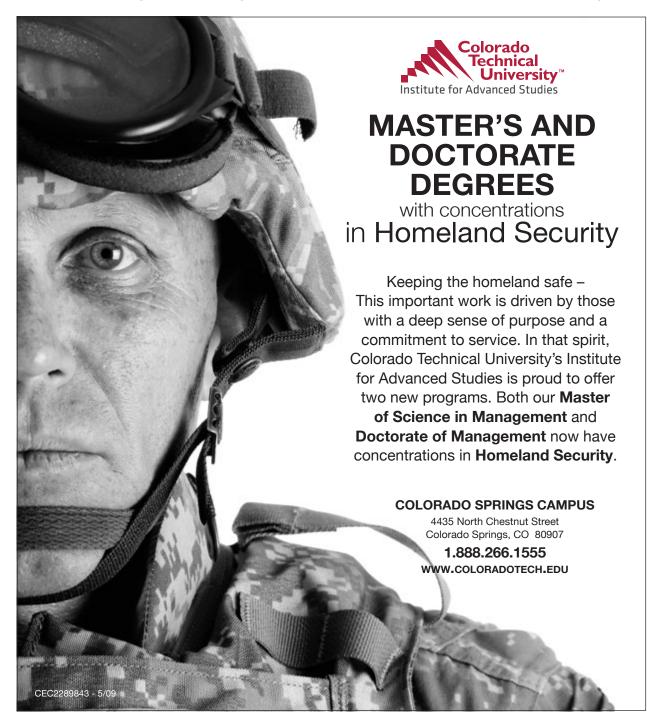
The new cyberspace support career field family is 3DXXX, which is broken into 11 new Air Force specialty codes: 3D0X1, knowledge operations management; 3D0X2,

cyber systems operations; 3D0X3, cyber surety; 3D0X4, computer systems programming; 3D1X1, client systems; 3D1X2, cyber transport systems; 3D1X3, RF transmission systems; 3D1X4, spectrum operations; 3D1X5, ground radar systems; 3D1X6, airfield systems; and 3D1X7, cable and antenna systems.

In addition, Air Force officials converted more than 8,800 civilian-equivalent positions. The conversions were driven by force reductions and skill-set convergences required to meet both cyberspace support and cyberspace operations missions, said Chief Master Sgt. Kevin

Call, the Air Force knowledge operations management and postal career field manager. The current 33S communications officer transformation is under way and should be decided in the near future.

"Folks at Air Force personnel (A1) and the Air Force Personnel Center did a remarkable job implementing both personnel and manpower conversions," Chief Call said. "This effort was one of the largest AFSC transformations ever accomplished by these teams. At midnight Oct. 31, all personnel and manpower positions automatically converted to a primary 3DXXX AFSC path."





### Vampire

From Page 6

electronic devices and laptop chargers were also still plugged in despite not being in use. And all were consuming energy, producing waste heat and costing the taxpayer money.

Mr. Hykes said while Eubank's room was otherwise an energy efficient room, there are other cadet dorm rooms with additional appliances such as mini refrigerators and large screen televisions. He recommended that all cadets have Energy Star appliances to help alleviate the energy impact of those appliances.

The best way a cadet could be more energy efficient in their dorm room is to unplug unused electrical devices if possible. That simple action could have a large impact on lowering the electrical use in the dorms and help USAFA to reduce its overall energy use.

### Analysis of the Average **Cadet Dorm Room Energy Vampires**

According to the Lawrence Berkeley National Laboratory of the U.S. Department of Energy, www.standby. *lbl.gov/summary-table.html*, a number of typical electronic appliances are wasting energy in the stand by mode. The table below lists some of the common culprits. Individually, these "energy vampires" draw as little as one watt (a plugged-in, unused phone charger) and as much as 40 watts (an Xbox gaming system). forty watts? Who should care about 40 watts when the Academy uses 108,000 Megawatt-hours in a year (at a cost of about \$6 million)? The answer is: you should.

Some typical electronic usages are:		
Phone charger	1 watt	
Computer speakers	5 watts	
LCD monitor	8 watts	
Computer printer	22 watts	
Laptop power supply	26 watts	
X-box game console	40 watts	
28" Plasma TV on standby	48 watts	

### **Electric energy consumption** of typical unused electronics

If the average cadet uses only twothirds of the devices listed in the table four hours per day, but leaves them on in standby mode all the time, the resulting waste totals 2,000 watt-hours per day. USAFA pays the city of Colorado Springs six cents per kilowatthour (1 kilowatt equals 1,000 watts, and 1 kilowatt used for an hour equals 1 kilowatt-hour).

At that rate, the cadet wing's energy vampires in the dorms (multiplied times 4,400 cadets over 300 days per year) cost more than two and half million kilowatt-hours per year, or more than \$150,000 that could be spent on other priorities. That's 3 percent of the Academy's annual electric bill, or enough power to light an average home for 200 years! It is also money that could otherwise be applied to Mitchell Hall food, cadet wing activities or mission-related cadet travel. So think about that the next time you leave your room. Plugging all your "energy vampires" into one power bar and switching it off when you go to sleep or leave your room will make a big difference. So even though Halloween is over, energy vampires will continue to drain your room of energy - unless you kill them. It is time to unplug.

### **FalconLaunch**

From Page 7

FalconLaunch 8 is under development this academic year.

"We'll test the new design for FalconLaunch 8 in January, and if all goes well, then we'll launch FalconLaunch 8 from White Sands in April," said Colonel France.

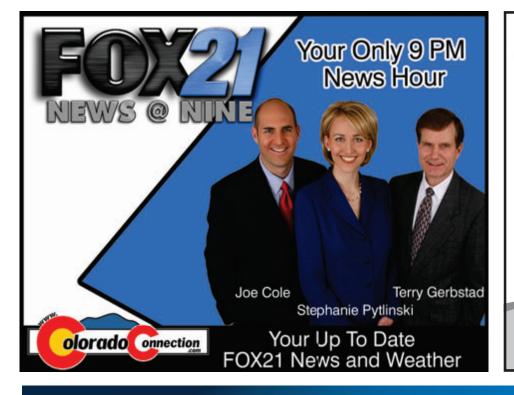
FalconLaunch is the product of the Astronautical Engineering 452 and 453 courses, a two-semester senior capstone design course for cadets where they learn space by doing space. Over the course of the year, the multidisciplinary cadet team, with faculty mentors from several academic departments design, build test, and fly a solid-fuel sounding rocket

carrying Department of Defense payloads.

The FalconLaunch program's end goal is to provide the Air Force and Department of Defense with a cost-efficient, operationally responsive method of delivering small scientific and engineering nanosatellites into a suborbital flight path. To do that, the nanosatellite must reach an altitude of 100 kilometers, or 328,084 feet — which FalconLaunch 7 accomplished and surpassed in April.

Fragments of FalconLaunch 6 rest before the static fire test stand as the FalconLaunch cadre moves in to locate other remnants of the rocket in Jacks Valley.









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## Lone Airman recounts enemy attack

FEATURE

**By Tech. Sgt. John Jung** 455th Air Expeditionary Wing Public Affairs

FORWARD OPERATING BASE BOSTICK, Afghanistan (AFNS) — Being the only Airman assigned to an Army Combat Outpost on the outskirts of Afghanistan-Pakistan border can be a little intimidating and scary.

Being assigned to COP Keating while under attack by hundreds of insurgents armed with assault rifles and rocket propelled grenades is absolutely frightening, and exactly where Staff Sgt. Matthew McMurtrey found himself on the morning of Oct. 3.

Sergeant McMurtrey is an Airman from the 755th Air Expeditionary Group based at Bagram Airfield and was attached to the Army's 3rd Squadron, 61st Calvary, 4th Brigade, 4th Infantry Division at COP Keating. His job there was to set up and maintain a satellite system used to provide Soldiers with Internet accessibility. While under direct enemy fire, he overcame his fear, performed his assigned duties admirably according to Army and Air Force supervisors.

The large, coordinated attack began with rocketpropelled grenade and machine-gun fire at approximately 6 a.m., rocking him out of a sound sleep.

"Basically it knocked me out of bed. It was a pretty big hit," said the nine-year Air Force veteran deployed from Barksdale Air Force Base, La. "The room was covered in dust and I started to hear more explosions. (I) figured OK, this is an attack," continued the Spokane, Wash., native.

Sergeant McMurtrey grabbed his M-16, put on his individual body armor [IBA] and just as he had practiced in a battle drill a week ago, he ran out of his sleeping quarters, turned left and went to his battle position at the COP Keating's aid station.

As he arrived at the aid station, Army Capt. Christopher Cordova, a medic from the 3-61 Calvary, 4th ID, Fort Carson, Colo., told him to get into the back of the aid station as far back as he could go.

"I usually push people to a safe position," Captain Cordova said. "The safest place was back away from the door, behind a wall."

This turned out to be an accurate assessment as approximately 30 minutes into the firefight an RPG

exploded on the corner of the aid station's front door, showering shrapnel on everyone in the aid station except Captain Cordova and Sergeant McMurtrey.

"It ricocheted off one of the side walls and hit (a Soldier). He was a couple of inches from me. It hit him in the calf and peppered a couple of the other medics with shrapnel and (also) hit the front of his IBA and started firing off some rounds that were in his vest," Sergeant McMurtrey said.

Sergeant McMurtrey and the medics moved quickly to remove the Soldier's vest and other gear and treated his injuries, putting him in a side room in the aid station. At that time Sergeant McMurtrey was given an M-4 instead of his M-16 and posted behind a table as security at the side door of the aid station.

"I just pointed the red dot at the opening of the door and waited," he said.

Wounded U.S. and Afghan soldiers arrived shortly after the RPG attack. The first to arrive at the aid station were Afghan National Army soldiers brought down from the main entry control point who bore the brunt of the first wave of RPGs.

"(The ANA) started coming in pretty beat up ... with a lots of (bad looking) wounds," Sergeant McMurtrey said.

According to Captain Cordova about five to seven ANA soldiers came in all at once taking up most of his medics' attention. After they were treated and stabilized they were moved back to where Sergeant McMurtrey was posted as security.

"We didn't have a lot of medical personnel on hand so we utilized Sergeant McMurtrey by having him keep an eye on (intravenous) bags, checking on patients to make sure they were still conscious and making sure they didn't require any more treatment," the captain said.

As the day progressed, RPG and small-arms fire increased, as did the casualties coming into the aid station. Enemy attacks soon took out the power in the building and the medics had to treat patients with only emergency power to work with.

Soon afterward, the first U.S. casualty was brought into the aid station. Sergeant McMurtrey was ordered to clear his weapon and place his body in a body bag, which ended up being placed only a few feet next to

where he was pulling security duty.

"I monitored and changed out a few IVs that were low and if anybody looked like they were not doing too well I let the medics know. About that time we heard reports that the enemy was in the wire ... and basically I was waiting for someone to come through the door at that point. It was pretty hairy the whole time," Sergeant McMurtrey said.

A short time later Air Force aircraft were on scene and engaging the enemy, said Army 1st Lt. Cason Shrode, COP Keating's fires support officer.

"We received a heavy volley of fire," the lieutenant said referring to the initial wave of enemies. However, "we had so many different assets up in the air ... they were stacked on so many different levels ... we had everything we needed."

From his perspective on the ground, Sergeant McMurtrey said he believes the close-air support was what turned the tide of battle.

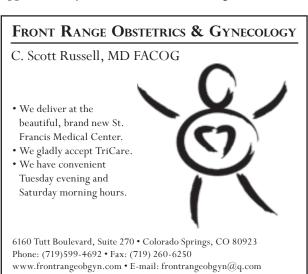
"Once air support showed up, they started bombing everything. The blasts through the door from the bombs being dropped almost knocked me over," Sergeant McMurtrey said.

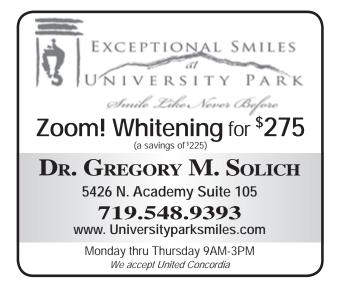
After more than 10 hours of bombing and strafing from a B-1B Lancer and F-15E Strike Eagles, nearly 100 militants were killed by the combined response that included Afghan soldiers as well as U.S. air and ground units. Eight Americans and three Afghans were killed, while nine Americans and 11 Afghans were wounded, according to CJTF-82 officials.

"There is no doubt that without the incredible air support we received, it would have been a much worse day," said Army Lt. Col. Robert Brown, the 3-61 Cavalry commander from the 4th ID. "Your ability to keep a steady flow of aircraft and ordnance on the enemy turned what could have been a terrible defeat into a hard fought victory."

Despite claims from the Taliban, COP Keating was in the process of a scheduled repositioning as part of a security strategy to focus more on populated areas, according to Combined Joint Task Force-82 officials.

Note: Capt. David Faggard from the 455th Air Expeditionary Wing Public Affairs Office contributed to this







### Blue Star Service Banners are Back

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November 6, 2009

### Floral arrangements create new avenues of expression

By Ann Patton Academy Spirit staff

Flower power has invaded the Colorado School for the Deaf and Blind.

Students are learning and loving the art of floral arrangements, thanks in good part to Denise White, owner of Petals and Blooms in the Academy's Community Center.

Ms. White called the school three years ago with the idea that floral arranging might give the students a new avenue for expressing themselves.

The idea took off, big time. The first group of eight students three years ago now numbers 40, and classes are split between deaf and blind students with six weeks of instruction each.

"This has gotten bigger than me," she said. "It's just so unbelievable."

Students have worked with materials like fresh flowers and dried plant materials in creating arrangements, wreaths and Ikebana works. Next week Ms. White will work with students in creating terrariums with soil, live plants, rocks, pine cones and live plants.

The results have been astounding, she said, and, in her opinion, students have created arrangements that truly are marketable on the outside.

How, one might imagine, can blind students in particular develop creations with a lack of sight.

"I think their imagination is so strong," Ms. White said. "They operate from what they visualize in their minds."

Although she introduces them to the principle of balance, she added it is more than just following design rules. One technique is asking them what are their favorite places and smells, among other things in their lives. Then they are asked to assign a color to it. One student, for example, loves the ocean and associates it



Chandler Williams receives encouragement from instructor Denise White.

with "blue." Another associates cinnamon with red carnations and a third associates the color "brown"

Through touch and feel only, the students assemble their works.

In the creation of arrangements, students have also revealed thoughts they may have never expressed openly before. One student made a very pretty arrangement, save for a not-so-nice flower in the middle, and explained the flower represented goals never to be achieved.

School community liaison Diane Covington said the arrangements often are a mirror of the students themselves.

"They look very much like their personalities," she

said. "It is like art mimicking themselves."

While one arrangement may be compact and full of energy ready to be released, another may be airy and whimsical.

The students' creations have become mainstays of displays all over the 37-acre campus, and students have made silk flower arrangements used on tables during special events.

At the end of each class, students are applauded individually for their creations.

A great many of the arrangements are given as gifts to family members and friends.

So it is with Angele Khan, 14, a blind eighth grader from Berthoud, Colo., who enjoys giving hers as gifts.

"I like making things that are fun," she said and added carnations are her favorite flower.

Angele, one of seven children in her family, likes music art and physical education as her favorite school subjects, as well as, of course, flower arranging.

Chu Scott, 13, a seventh grader from Longmont, Colo., and also blind, likes social studies, math science, music and art.

"I pretty much like school," he said and smiled. He signed up for the class because he thought it would be interesting and it has been for him.

"It's a different way of describing something. It's a very beautiful art," he said.

Chu is learning to ski and wants to attend college

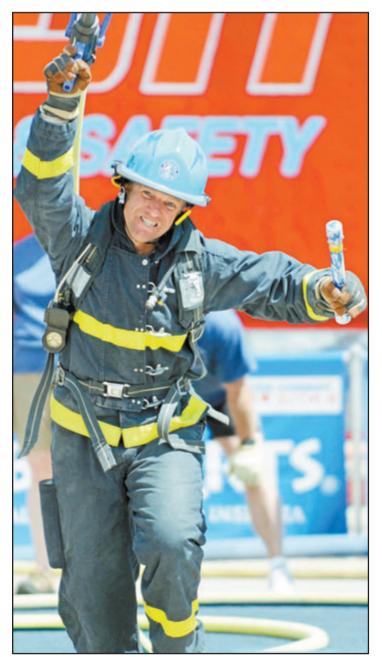
The school has about 200 students and an equal number of staff, which includes administrators, teachers and support staff.

Bordered in part by Institute St. and Pikes Peak Ave., it was founded in 1874 with an enrollment of seven students. The property originally included a 120acre dairy ranch. The school works with them from infancy to college age.





Despite stumbling to the ground, Rod Sanders strives to hand off the baton to fellow Academy firefighter Brian Pille during the over-40 male relay, at the Firefighter Combat Challenge regionals here in June. This type of extra effort allowed the Over-40 male relay team to advance to the nationals and later earned a spot in the World Firefighter Combat Challenge.

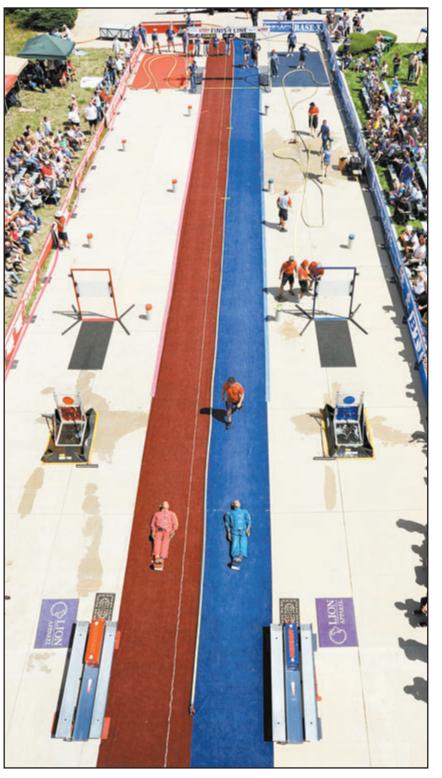


Academy firefighter Ron Prettyman, hauls a loaded firehose over his shoulder as he sprints forward to finish his event in the over-40 male relay.



Above: Airman 1st Class Jessica Morehouse, Academy Fire Department, works to drag a rescue dummy backwards across the finish line. In her first-ever firefighter challenge, the Airman helped two Academy teams advance the World Firefighter Combat Challenge. She is a member of the ladies tandem team and ladies relay team, both of which are ranked number 1 in the world.

Right: Stacy Billapando of the Colorado Springs Fire Department hoists a rope attached to a 45-pound roll of fire hose, from five stories up. Billapando is the number 1 ranked female firefighter in the world, and has teamed up this year with Academy firefighters in the number 1-ranked ladies tandem and number 1 ladies team categories. The ladies tandem team of Billapando and Airman 1st Class Jessica Morehouse set a new worlds record time twice this season.





# Academy firefighters return to world competition stage

By John Van Winkle Academy Public Affairs

The Academy Fire Department helped set and then broke its own world record, and earned four national championships and two second-place trophies at the Firefighter Combat Challenge Nationals Oct. 30 through Saturday, in Arlington, Texas.

The Firefighter Combat Challenge simulates the physical demands of real-life firefighting by running firefighters through a series of five back-to-back-breaking tasks. Firefighters running the course must master the technique of each physical event while running against the clock, and fractions of a second can be the difference between advancing to the next level of competition or joining a consolation round.

Firefighters can tackle the entire course as an individual, team or tandem, and the Academy is represented in virtually every category, except the over-50 age divisions.

The world record-holders and breakers are a duo which consists of a firefighter challenge veteran and a rookie. They combined last week to set a new world record for the women's tandem.

Stacy Billapando from the Colorado Springs Fire Department combined with Airman 1st Class Jessica Morehouse of the Academy Fire Department to create the team of "Old Dog, New Trick" and set the bar higher for their fellow female fire-fighters with a new world record time of 2:00.78 at last week's nationals. They finished 40 seconds ahead of their closest competitors and broke the existing ladies' tandem record by five seconds — which they had set the previous week.

Billapando has trained with the Academy's firefighter challenge teams here for several years and is currently the #1 ranked female in the firefighter combat challenge.

"Stacy pretty much knows all the tricks of the trade, and is a very good coach," said Airman Morehouse. One example of Billapando's coaching came in techniques for the final event of the challenge, where firefighters must drag a 175-pound mannequin backwards 75 feet, after grasping it from behind and under the arms. "She taught me a lot about the footing – you go much faster if you keep your feet

inside the rescue dummy's feet. You can keep a fast pace and keep your feet moving and not get tangled up," said Airman Morehouse.

The firefighters' trek to the world games started June 26 at Falcon Stadium.

Normally, Academy firefighters have to travel several hours' driving time to compete in regional competitions. But this year, the 10th Air Base Wing sponsored a regional competition at Falcon Stadium, which drew firefighters from several states for two days of competition and was the largest regional firefighter combat challenge regional competition of the year.

The number of Academy firefighters who choose to compete this year is unprecedented, with nearly half participating.

"This level of involvement is an indication of the number of dedicated professionals we have who serve our Academy community each and every day," said Col. Rick LoCastro, 10th Air Base Wing commander.

The regional competition here was also the debut of the Academy Fire Department's ladies relay team.

"The event came here, and we did the relay team for fun, and we ended up being pretty good at it," said Airman Morehouse. "We're all good friends on the team, and not only do you have fun training for the competition, but you also get better at your job."

Fourteen Academy firefighters qualified to advance to the nationals in Arlington, including the ladies relay team. Despite having the free ticket to the nationals, several of the firefighters chose to compete in other regional competitions, to further their preparation for the national and soon world stage. The Academy's under-40 relay team set a personal best of 1:10 in St. Louis in September and is now ranked number1 in the world going into the world competition later this month. At the Oct. 24-25 regionals in Omaha, Neb., the ladies relay team clocked the fastest time of the year in their division, of 2:00.01 and are also ranked number 1 in the world in their division.

At last week's national competition, the following Academy firefighter teams finished in firs place: male relay, ladies relay, ladies tandem and co-ed tandem. The co-ed tandem team is another combined team, featuring Billapando and a recent Academy

re-addition, Anthony "Tank" McMurtry. Tank was an enlisted firefighter at the Academy earlier this decade, and a mainstay of the Academy's first firefighter combat challenge teams. Coming back to the Academy as a civilian, he's rejoined the Academy Fire Department and is again helping to power two of the Academy's world-class firefighter combat challenge teams. The team of Tank and Billapando outperformed their closest competitors by 7.45 seconds on the national stage.

Also at that national competition, the Academy's over-40 male relay team and over-40 male tandem duo each took second place

The Firefighter Combat Challenge was developed to conquer two problems affecting the firefighting profession; improving the physical fitness levels and refining basic fire fighting skills, said Chief Ernst Piercy, chief of Fire and Emergency Services for the Academy.

"The Academy firefighters who compete in these challenge competitions have reached the pinnacle of both, and have certainly motivated others as well," added the chief. "They have not only proven that they perform well under pressure, but they have also demonstrated the physical capability and the technical skills needed to provide the best possible service to those who need their help. These professionals are part of the network of support agencies that ensure the Academy's mission gets executed every minute of every day."

And it's that support which is making this level of training possible. The Academy Fire Department started competing in the Firefighter Combat Challenge at the start of the current decade. Funding from the 10th ABW has enabled the department to add a Firefighter Combat Challenge tower and course to their fire training area to ramp up mission training, and has also helped cover the costs of sending Academy firefighters to the competition, and turned the Academy Fire Department into a national power at the Firefighter Combat Challenge.

Now, Colonel LoCastro added he's counting the days until the World Championships in Las Vegas in two weeks. "No question our Air Force Academy firefighters will bring it strong once again and return with a truck full of award-winning World Championship hardware!"

#### Team members going to the World Firefighter Combat Challenge XVIII in Las Vegas Nov. 16-20, are: Andrea Caraway Stacy Billapando, CSFD Lisa Smith, CSFD Male Relay: Roy Dalton Pat Kraft **Co-Ed Tandem:** Senior Airman Tyler Moran Anthony "Tank" McMurtry Anthony "Tank" McMurtry Stacy Billapando, CSFD Hans Barkley Alternate: Stephen Hardman **Over-40 Male Tandem:** Dan McAuliffe Ladies Tandem: Ken Helgerson Airman 1st Class Jessica Morehouse Over-40 Male Relay: Stacy Billapando, Colorado Springs Fire Department Dan McAuliffe Ken Helgerson Mr. Rod Sanders Brian Pille Ladies Relay: AIC Jessica Morehouse Elaine Perkins Ron Prettyman

### Falcons offense resurfaces to smash CSU

By John Van Winkle Academy Public Affairs

FORT COLLINS, Colo., — The Falcons' offense got back on track Halloween night, gaining 382 yards in a convincing 34-16 win over the Colorado State University Rams.

On the ground, the Falcons have outrushed their opponents in all eight previous games this season, and made that nine straight games, grinding out 271 yards while allowing CSU to rush for 187 yards. A third of the Air Force rushing carries again went to fullback Jared Tew, who had 145 combined yards in the game.

The new wrinkle on offense was an effective, albeit slightly more utilized passing attack, behind sophomore quarterback Tim Jefferson.

"We go into every game and try to take our shots," said Falcons head football coach Troy Calhoun. "We just have to make more of those plays. It helps when you're able to grind out some first downs; I think guys get a little bit antsy and nudge closer to the line of scrimmage when you do that."

Jefferson threw a dozen times for seven completions, 111 yards and two touchdowns, which is Air Force's largest aerial attack on the gridiron this season.

Jefferson regained his starter status after an injury last week to fellow sophomore quarterback Connor Dietz sidelined Dietz for an estimated three weeks. Jefferson got the call to return to the starting QB role, and justified his coaches' confidence in him with his first touchdown play.

On the Falcons' first possession, Jefferson let the team 72 yards on 13 plays, to put the ball on the 8 yard line. Taking the snap, Jefferson was forced to roll out of the pocket and improvised with a touchdown toss to wide receiver Kyle Halderman.

"That was a big time play he made on the first touchdown. He had pressure, and he was able to get out of that pressure and spontaneously made a big play," said Coach Calhoun, noting that Jefferson's play is evidence of his continued development as a quarterback.

"He seemed older in the way he played, more assertive, more mature, at the same time we're pushing him pretty hard, too. In a way we're wanting something real, real soon, but there's probably a right balance you have to strike in terms of nudging a guy and yet at the same time giving him some time."

Jefferson took the coaching to heart, leading the Falcons to another score and a 14-0 lead.

CSU's offense finally got into gear, have three different individuals take the snap in their own attempt to add a bit of wildcat to their Rams offense. Behind a strong rushing game, CSU came back with a field goal and a touchdown in the second quarter, to cut the Air Force lead to 14-10. After CSU's first touchdown, the kickoff gave the gave the Falcons the ball back on the 26 yard line with 1:35 left in the half, and Air Force manifested its first bonafide two-minute offense of the season. To date, the Academy's two-minute offense has been about as energetic as a two-hour nap, and equally as productive. The Falcons have either been unable or unwilling to run a quick drill to add to the score at the half, and when they have, the results to date had been either an outright failure to



Photo by John Van Winkle

Wide receiver Kyle Halderman stretches to break the plane of the goal line for a 14-yard touchdown on an end-around. Halderman had three carries for 22 yards and one reception for another eight yards, combining for two Air Force Academy touchdowns.



Fullback Jared Tew bulls his way through the CSU defense for a gain. Tew was a mainstay of the Air Force Academy rushing game, carrying the ball for 20 of the Falcons' 59 rushing attempts, in a 34-16 win over CSU.

score, or settling for a field goal attempt.

But this time, the Falcons aired the ball out twice on the drive, worked the sidelines and paid attention to the clock, showing their most lively clock management of the season. Jefferson led the sevenplay, 57 yard drive and managed the clock well enough to well enough to allow place-kicker Eric Soderberg to complete a 50-yard field goal to end the half with the Falcons up 17-10.

"That was a big play, when you're up by seven and you're receiving the kickoff in the second half, it gives the leading team a definite advantage," said Coach Calhoun.

The second half was all Air Force until the end, with three Falcon scores to put them firmly ahead 34-10.

CSU kept punching away, and managed to push their way in the end zone with 3:48 left in the game, to lower their scoreboard deficit to 34-16. The two-point conversion failed, leaving CSU a moral victory.

But there could be a bigger loss for Air Force, when linebacker Justin Moore went down on the series with a knee injury. The starting defense had remained in the game, even though the win was well in hand. Now, the 3-4 Air Force defense has added another injury to its already depleted linebacker corps, which is starting a freshman at outside linebacker.

The Academy's remaining players foiled CSU's on-side kick attempt, and the Falcons ground out the clock to end the game with a 34-16 win.

The win over CSU raises The Academy's record to 5-4 overall, and 4-2 in the Mountain West Conference.The Falcons have three games remaining in the regular season, with the next two being against Army (3-5 overall), and conference foe UNLV (3-6 overall, 1-4 in MWC). The Falcons close their regular season against BYU (6-2 overall, 3-1 in MWC).All three games are winnable for Air Force. The only team with a winning record on the schedule, BYU, was dismantled on national television last week 38-7 by conference foe and No. 6-ranked TCU – which is the same team that Air Force battled down to the wire in a 17-20 loss two games ago. The Falcons have lost four games by a total of 20 points, including last week's overtime loss to No.

Only one game away from bowl eligibility, and with three games left in the season, Coach Calhoun is keeping the Falcons focused on one game at a time. And for their next football game, records are meaningless as they face Army Saturday at Falcon Stadium. The Army game will be the centerpiece of several days of sporting events, as the two rival service academies will face off in boxing, climbing, rifle and intramural competitions, culminating in the Army-Air Force football game to earn another year's worth of bragging rights.

Pre-game events for the Air Force-Army gridiron battle will be televised on ESPN College GameDay, and kickoff is at 1:30 p.m. MST.

### AF boxers to host Army

The Air Force boxing team will host defending national champion and service academy rival Army in its annual showdown today at 4:30 p.m. in the Cadet Gym Boxing Room. The two academies will send 22 boxers into ring of the Cadet Gym Boxing Room for 11 bouts, ranging from 130 pounds to the heavyweight divi-

sion. Admission is free to the Falcons' showdown with the Black Knights.

### Murphy named to All-MCW Women's Soccer Team

Air Force sophomore midfielder Bridgett Murphy was named to the 2009 All-Mountain West Conference Women's Soccer Team. Murphy was named to the second team for the second-consecutive year.

Murphy played in 11 games for the Falcons, making eight starts. The Melbourne Beach, Fla., native missed seven games due to injury. Despite missing a third of the season, Murphy tied for the team lead with two goals scored.

This is Murphy's second soccer

accolade on the season, as she was also named to the ESPN The Magazine Academic All-District VII women's soccer team last week.

### Falcons ranked 14th in pre-season poll

The GymInfo Men's Pre-Season Coaches Poll was announced earlier this week and for the second straight November 6, 2009

### Lamoureux scores two in 4-1 win over Canisius

By Dave Toller Athletic Communications

Jacques Lamoureux scored two goals in a 4-1 win over Canisius in an Atlantic Hockey Association game, Sunday afternoon, at the Buffalo State Sports Arena in Buffalo, N.Y.

The teams split the two-game series as Air Force improved to 3-5 overall and 3-1 and in first place in the AHA. Canisius fell to 2-6 overall all 1-3 in the league.

For just the second time all year, Air Force scored the first goal in the game and took a 2-0 lead in the first period. Jacques Lamoureux scored his second of the weekend and third of the season on a delayed penalty. Matt Fairchild blazed down the right side and was held by Chris Forsman. Fairchild made a centering pass and Lamoureux gave the Falcons a 1-0 lead at 11:11. Air Force took a 2-0 lead on the power play on freshman Kyle De Laurell's first career goal at 16:47. Fellow freshman Mike Walsh's shot was saved but De Laurell put back the rebound for a 2-0 lead.

Air Force spent the majority of the second period killing penalties as the Falcons were whistled four times. Air Force killed the first three and nearly came away unscathed. However, Canisius scored with nine seconds left of its final power play. Dave Kostuch punched in a rebound on a flurry in front of Volkening at the 13:41 mark.

At the end of the second period, Carl Hudson was called for interference and the Falcons started the third period on the power play. Air Force capitalized as



Photo by Mike Kaplan

Jacques Lamoureux scored two goals in a 4-1 win over Canisius in an Atlantic Hockey Association game, Sunday afternoon, at the Buffalo State Sports Arena in Buffalo, N.Y.

Lamoureux's second goal of the game gave the Falcons a 3-1 lead on the power play 51 seconds into the third period. Lamoureux's first shot was saved, but wristed in the rebound as he was lunging toward the puck in the slot.

With Air Force leading 3-1, several Air Force

turnovers at its own blueline led to some breakaway opportunities for Canisius. Andrew Volkening made three saves on Griff breakaways that maintained AFA's two-goal lead. Scott Kozlak's first goal of the season came at 15:26 on the rush. His shot coming down the left wing was wide but Mark Williams corralled the loose puck and gave it back to Kozlak in the slot for a 4-1 Air Force lead.

Canisius outshot Air Force, 35-28, in the game. Volkening made 34 saves for Air Force while Dan Morrison made 25 for the Griffs. AFA was 2-for-6 on the power play. Canisius was 1-for-7 on the man-advan-

"One of our objectives tonight was to score the first goal and we got the first two," head coach Frank Serratore said. "Every goalie in AHA is good. Scoring the first goal is huge because it is awfully tough to come back on good goalies. Yesterday Morrison got a lead and took it to bank, today it was Volkening who got the lead. We won, battle level was great, but no style points tonight. We gave them several breakaways and Volks saved us. This is a good road win, but we have a long way to go. The good news is its only fourth weekend of season. Volkening was at his best tonight. He made the saves he usually makes, but because of our turnovers, he had to make a few that saved us. We handed them some opportunities to get back in it and that has to change."

Air Force returns home to host Bentley University, tonight and tomorrow, Nov. 6-7, at 7:05 p.m. at the Academy's Cadet Field House.

### Fort Carson tops Rocky Mountain Flag Football

By Dave Castilla Intramural Sports Director

Fort Carson won its third straight championship in the Rocky Mountain Flag football league Saturday on the Academy multi-purpose field here.

They followed the same format as last year losing their first game in pool play, this time to Peterson AFB, and then winning out in the championship game 20-13 over Peterson.

Last year F.E. Warren AFB played the part of Peterson AFB.

In the championship match, Fort Carson on their initial drive were facing a 4th and 6, Peterson held strong for the change of possession. On Peterson's first set of downs Scott Norman, quarterback, threw a 7-yard touchdown to Travis Boatwright, extra point was good making the score 7-0 advantage to Peterson AFB.

Fort Carson's defense scored their first points of the day when a Peterson receiver bobbled the ball and Derek Joe ripped the ball out of his hands and ran for a 45-yard touchdown. Carson missed



Dwight Peterson, USAFA flag football team, tries to put a move on a Schriever Air Force Base defender during the USAFA 26-0 win during the Rocky Mountain Flag Football championship last weekend here.

the extra point and the half ended 7-6.

Things started to turn against Peterson as the second half started.

On the first play of the second half Peterson's quarterback threw a interception caught by Clarence Gadson. The Fort Carson offense wasted little time as Edward Jackson, quarterback, found Gadson on a 54-yard bomb, which went in for six. Once again the Fort Carson kicker missed the extra point, but Carson had taken the lead.

Fort Carson's third touchdown came off a good drive capped off by a 2-yard run by Marcus Amos increasing the Ft. Carson to 20-13.

From there Carson ran out the clock to secure their 3rd victory in as many

F.E. Warren had to withdraw at the final moment due to military commitments.

### **Final Game Results**

**USAFA 26** Schriever 0

Peterson 19 Ft. Carson 6

USAFA 12 Schriver 6 (this replaced F.E. Warren game)

Fort Carson 12 Buckley 7

Peterson 28 Buckley 7

Fort Carson 22 USAFA 21

Buckley 7

Peterson 13

Fort Carson 20 Peterson 13

year the Air Force men's gymnastics team was mentioned. The Falcons were picked 14th in the annual poll, voted on by the NCAA coaches. Air Force is first among its service academy counterparts and fifth in the Mountain Pacific Sports Federation. The 14th-place ranking is the

second-highest preseason ranking

ever for the Falcons, falling only one spot shy of last year's 13th-place nod. Prior to last year's 13th-place ranking, Air Force had entered a season ranked 15th (2001, 2003), 17th (2002) and 19th (1998, 1999).

### Air Force golf finishes 10th

After three days of competition, the Air Force golf team finished in 10th place at the Turtle Bay Resort Collegiate Invitational, hosted by Hawaii. The Falcons, who compiled a three-round score of 902, saved their best round for last. Air Force shot a 290 (+2) in the final round, which was played at the par-72, 6,535yard George Fazio Course.

Leading the Falcons for the tournament was senior Tom Whitney who finished tied for 11th place at 215 (-1). Whitney also saved his best round for Wednesday, shooting a 5under-par 67 on the final day of competition. Freshman Andrew Hoops was next in the individual standings for Air Force, placing 39th at 224, while sophomore Robert Belz tied for 47th overall with a threeround score of 230.





### Music director sought

A part-time position is open at the Academy Community Center Chapel for the 10:15 a.m. Protestant Evangelical worship service. The music director will plan, coordinate and direct a contemporary/traditional blended music program. Please contact the chapel at 333-3300 for more details.

#### Vaccinations available

The Academy Immunizations clinic has H1N1 vaccination available to all medical group civilian employees, as well as to all children ages 2 to 18. If you are a civilian employee who desires H1N1 vaccination (highly recommended, especially if you are involved in directed patient care), please report to the immunizations clinic during normal business hours.



#### **CADET CHAPEL**

Call 719-333-2636 for more information.

#### **Buddhist**

Wednesday - 6:30 p.m.

#### Jewish Friday

Friday - 7 p.m.

### <u>Muslim</u>

Friday Prayer - 12:15 p.m.

### Protestant

Traditional Worship
Sunday - 9 a.m.
Liturgical Worship
Sunday (Music Room) - 10:30 a.m.
Contemporary Worship
Sunday - 11 a.m.

### Roman Catholic

Sund

Sunday - 10 a.m. Academic Year, when cadets are present Mon, Tues, and Thurs - 6:40 a.m. Wednesday - 6:30 p.m.

### Sacrament of Penance

Sunday - 9:15-9:45 a.m. Academic Year, when cadets are present Wednesday - 5:30-6:15 p.m.

**Exposition of the Blessed Sacrament**Academic Year, when cadets are present

Wednesday - 5:30-6:20 p.m.

Paganism/Earth-centered Spirituality
Contact TSgt Longcrier at 719-333-6178

### **COMMUNITY CENTER CHAPEL**

or Robert.Longcrier@usafa.edu

Catholic Masses:

Saturday

Reconciliation - 3:30 p.m.

Mass - 4 p.m. Sunday

Mass - 9 a.m.

Religious Formation - 10:15 a.m.

(September - May)

Tuesday-Friday Mass - 11:30 a.m.

### Protestant Services:

### Wednesday

Wednesday Night Live - 6 p.m. Dinner followed by Religious Education (September - May).

### Sunday

Evangelical - 10:15 a.m. Gospel - 11:30 a.m.



during the Army Game

### Fitness preparation

Anyone wanting to prepare for his or her new Air Force fitness test can join the 10th Medical Group's Nutritional Medicine Team for one of the following sessions:

#### **First Session:**

**Tuesday:** Nutrition Education, 11 a.m. to noon, community center ball-room

**Thursday:** Mock PT Test, 11 a.m. to noon, fitness center west gym and prep school track

#### **Second Session:**

**Dec. 8:** Nutrition Education, 11a.m. to noon, community center ballroom

**Dec. 10:** Mock PT Test, 11a.m. to noon, fitness center west gym and prep school track

Call 2nd Lt. Nicole Patton at 333-5305 for more information.

### **Retiree appreciation**

The 2009 Front Range Military Retiree Appreciation Day is set for 8 a.m. to 2 p.m. Nov. 21 in the Arnold Hall Ballroom. Included this year is an information fair, medical and dental screenings, free refreshments, and a special visit from our guest speaker, Congressman Doug Lamborn. Numerous outstanding retiree volunteers will be recognized for their ongoing community service. More than 1,000 attendees are anticipated. Call Kevin Frazier or Robert Boyd at 719-333-5095 with any questions.

### Holiday bazaar

The annual Holiday Bazaar will be held from 9 a.m. to 2 p.m. Dec. 4 and 5 in both the Milazzo Center and Community Activities Center Ballroom. For more info or to sign up call 333-2928.

### **Monday Night Football**

Sports Area will open at 5 p.m. at the Milazzo Center Dec. 7, 14 and 21 for those who want to come out and show support for their teams. The event is open to all and there will be a cash bar.

### **Book events**

The Milazzo Center or Academy Community Center Ballroom. Rooms are available for military functions, meetings, wedding receptions, birthday parties and holiday parties. Call 333-2928 for more information.

### America recycles

To commemorate America Recycles Day Nov. 15, the 10th Civil Engineer Squadron will hold its 5th Annual Electronics Recycling event November through January. Each Wednesday and Thursday during this time, electronic items can be taken to Bldg. 8125 from 8 a.m. to 3 p.m. for recycling. This recycling

event is free to all participants. Some recyclable items include: personal computers and components, televisions, DVD or CD players, stereos, speakers and VHS players. For more information, call Jeanie Duncan at 333-0812.

### Family advocacy classes Success with stress

Stress is a fact of life but it doesn't have to control us. Join us for this 6-week lunch time class from noon to 1 p.m. starting Nov. 9 to learn how to take charge of your life, cope with change, build healthy relationships, manage a fast-paced life, and develop new skills for managing stress. All classes are open to active duty, DoD civilians, retirees and family members.

### **Couples Communication Seminar**

Learn to communicate more effectively and improve your relationship from 8:30 a.m. to 4:30 p.m. Nov. 20. Everyone is welcome, whether you're married, engaged, dating or single. Leave with tools to achieve a great relationship!

### Common sense parenting

An award winning, practical, skill-based program for parents of toddlers and preschoolers (ages 2-5) will be held 11:30 a.m. to 1 p.m. for six weeks starting Nov. 18. Learn to set reasonable expectations, how to effectively use consequences, when to use time-out, and how to teach instead of punish.

To sign up or for more information call 333-5270.

### **A&FRC offerings**

The Academy Airman and Family Readiness Center hosts the following classes in November. Call 333-3444 with

questions or to sign up.

#### Civil service class

Today: 9 a.m. to noon—Learn how to submit a federal resume, search for internal/external vacant positions, and apply for Air Force Federal Civil Service employment.

#### Pre-separation counseling

Held every Monday (except during TAP week); 2 to 4 p.m.

Separating or retiring from the Air Force in a year or less? This mandatory briefing identifies benefits and services associated with transition and beyond.

#### Medical records review

Monday and Nov. 23: 7:30 a.m. to 4:30 p.m. Individuals within 180 days of retirement or separation can have the DAV review medical records in preparation of filing for VA Disability Compensation through the VA Form 21-526. Call for more information or an appointment.

#### **Smooth move**

Tuesday, 3 to 4 p.m.— Being prepared certainly lessens the stress of an upcoming move. Learn innovative and proven ways to make your move a smooth one — "Know Before You Go." This is a mandatory class for individuals departing the Academy.

#### **Key spouse training**

Tuesday, 9 a.m. to noon, Part I; Nov. 12, 10 a.m. to 2 p.m., Part II

The Academy Key Spouse Program enables open communication between unit leadership and families. Training includes roles and responsibilities, resources, making connections, responding to the call, and how to support families during deployment.

### Sponsorship training

Thursday: 8 to 9 a.m.— This class is for those who have been assigned to sponsor a newcomer to the Academy. Contact your unit sponsorship monitor for details.

### Resume writing

Friday: 9 a.m. to noon — Learn different types of resume and cover letter styles and how to improve yours to make it work more effectively. The main purpose of the resume is to entice an employer to call you for an interview.



Photo by Ann Patto

### Helping hands

Congregants from the Academy Community Center Chapel lent assistance to the needy of Colorado Springs Sunday at Antlers Park downtown. Jack Wilks, Monica Knight, Meghan Gold, Madison Cooper and Tessa Merritt serve hot chili with "the works" as well as desserts. About 50 chapel members, including Preparatory School students, also delivered more than 200 warm clothing items donated at the chapel.

# Veterans Day Celebration Luncheon

Hosted by The Military Affairs Council (MAC)/
The Greater Colorado Springs Chamber of Commerce,
in partnership with the National Homeland Defense Fund,
and The Rocky Mountain USO.
Wednesday, November 11, 2009
Broadmoor International Center

Registration 12:30 p.m. - 1:00 p.m. | Lunch & Program 1:00 p.m. - 2:30 p.m.

### Keynote Speaker General Richard B. Myers, USAF (Ret) Former Chairman, Joint Chiefs of Staff

General Myers was Chairman at one of the most critical times in our nation's history as the nation responded to the attacks of September 11, 2001. In his role as the nation's top ranking military officer, he served as the principal military advisor to the President, the Secretary of Defense, and the National Security Council during the earliest stages of the War on Terror, including planning and execution of the 2003 invasion of Iraq.

On September 30, 2005, he retired after a distinguished Air Force career which included over 40 years in operational command and leadership positions in a variety of Air Force and Joint assignments.



### Proceeds will benefit the Rocky Mountain USO.

Sponsorships & Corporate Tables are available.

### Individual tickets are:

\$25 for Military, Elected Officials, and Veterans | \$70 for all others

Register online at www.coloradospringschamber.org
For more information, call 719-635-1551

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