

STEM conference: need for early education

By Staff Sgt. Don Branum
Academy Public Affairs

Experts in science, technology, engineering and mathematics career fields came to the Air Force Academy to discuss how to make the United States more competitive in these fields during the first Air Force STEM Conference here Sept. 23.

Discussion focused on how to get people interested in technical career fields earlier in their education and how to capitalize on the expertise already present within the Air Force.

Academy superintendent Lt. Gen. Mike Gould kicked off the conference in the Arnold Hall Ballroom.

"Bringing this group to this Academy will really bolster our efforts to develop STEM (expertise)," General Gould said. "There's no question that we require a tech-savvy force."

Cadets graduate from the Academy with a minimum of 45 semester hours in technical-intense courses and a bachelor of science degree. Many more go beyond that minimum requirement and even attend graduate school for technical fields, General Gould said.

Zachary Lemnios, the director of Defense Research and Engineering, asked the group of about 200 attendees to think about what capabilities the Department of Defense will need in the next five to 10 years.

"The subjects you're working on now will be the starting point for topics we're talking about in the years to come," said Mr. Lemnios, who was previously the chief technology officer at the Massachusetts Institute of Technology's Lincoln Laboratory and also served as the director of the Defense Advanced Research Project Agency's Microsystems Technology Office. "What are our technical innovations, how are those turned into capabilities, and how do we use those capabilities to meet the emerging threat? What are the core competencies that the DoD needs to achieve its mission, and what technologies do we need to achieve those capabilities?"

Mr. Lemnios highlighted some emerging technologies, such as persistent observation capabilities that unmanned aerial systems currently provide, building systems that can predict the outcome of actions in urban terrain, and a better overall understanding of social landscapes.



"We'll be making big bets on people a few years from now," he said. "We're looking for that one researcher who has an idea that can change the nature of an entire field of study — it's important to understand the impact of the individual researcher."

However, in order to develop researchers who can contribute to national defense, the United States has to have high school and college graduates who are both interested and proficient in technical fields, Mr. Lemnios said.

"If we don't get this right, we will miss the entire workforce 10 to 15 years from now," he explained. "In El Paso County, 80 percent of students graduate in four years. Half of the students in the District of Columbia don't graduate from high school in four years." The national average for on-time graduation is 76 percent. "If we're not getting the front-end piece right, we're not going to see that back-end piece come to fruition."

"China is graduating more than 400,000 engineering students per year. Numbers matter: it's a few researchers among those 400,000 who will make huge changes in research," Mr. Lemnios said. "We're being outpaced at an enormous scale, so what do we do?"

Natalie Crawford, a senior fellow with the RAND Corporation and senior

mentor on the U.S. Air Force Scientific Advisory Board, offered some suggestions on how the Air Force and DoD can get back in the game.

"We've already flogged ourselves all over the place, so what are we going to do about it?" she asked rhetorically. "It's a national problem, not an Air Force problem, but the Air Force needs to be part of the solution."

Ms. Crawford, a 2003 recipient of the Air Force Analytic Community's Lifetime Achievement Award, said the Air Force should increase the number of acquisition officers and civilians who have in-depth knowledge of STEM fields or have STEM-oriented degrees. She also suggested tracking Air Force personnel who already have STEM proficiencies or STEM degrees.

"It's not good enough to have the experts if you don't know what they're doing and don't have them in a position where they're making the best return on investment, both for the institution and the individual," she said.

Ms. Crawford said the Air Force should manage STEM career fields across all Air Force specialties and major commands. She recommended making Lt. Gen. Mark Shackelford the office of primary responsibility for such a program. General Shackelford is the military deputy

to the assistant secretary of the Air Force for acquisition at the Pentagon.

She also praised the role the Air Force Academy plays in training officers with scientific and technical backgrounds, and she recommended that the Academy's Dean of Faculty office continue to review the core curriculum to make sure that every graduate has some STEM background.

"As we broaden what space and cyberspace provide to more warfighters, we'll need people with thinking and training that's different from what we have now," she said.

Mr. Lemnios said the Academy was "exactly the right venue at exactly the right time" to talk about how to keep the Air Force's edge in technical proficiency because it brought together several generations of STEM experts. He also prompted the audience to think about what the Air Force and the Academy can do to get students interested earlier in their education.

"My sense is, we have to change what's happening at the early end," he said. "The Academy's science outreach has a huge impact, just as a way to get children to ... understand at least the language of STEM (fields). There's a lot we can do in the K-12 area that can have a huge impact in the future of our nation."

WEEKEND WEATHER

| | | | |
|-----------------|----|----|--|
| FRIDAY | 59 | 30 | |
| SATURDAY | 60 | 34 | |
| SUNDAY | 62 | 34 | |

USAFA energy reduction

October is Energy Awareness Month and the Air Force Academy is well on its way to becoming a "Net-Zero" electricity installation.

Page 3

Chief meets with enlisted

"You are the most educated, most highly trained, most experienced enlisted force in the world," Chief Salzman said. "It is my job to take care of you."

Page 4

Falcons record second conference win

Defense racked up the points with two touchdowns in a 26-14 victory against San Diego State University Saturday at Falcon Stadium.

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Character Corner: Why CCLD?

By Col. John Norton

Director, Center for Character and Leadership Development

Thursday, the Center for Character Development became the Center for Character & Leadership Development. This change is more than skin deep—the new center has new capabilities, new focus areas, a new mindset, and eventually a new building. These are all designed to help all at USAFA become more effective at our fundamental mission—developing young adults into leaders of character.

This transformation started in late 2007, when a team assembled to look at how to transform what was a good organization into a great organization. The center was focused on great programs put on by great practitioners, but it takes more than these to become a great center.

To reach our full potential, we must fully understand what is most effective in officer development, have sound theoretical foundations for what we do, and be well integrated with the rest of USAFA's curriculum. The superintendent approved a transformation plan last May and we have now completed a one-year transition period and stood up the CCLD.

We will soon add two key leadership positions, the permanent professor of character and leadership development and a civilian senior scholar in residence. Additional military and civilian positions with specific expertise will also be added, and CCLD will achieve full operational capability by 2012.

Three primary initiatives make up this transformation:

1) Adding the capacity for meaningful research, assessment, and analysis, because no process can be improved unless it is well understood. CCLD will undertake research and assessment solely to learn what works best in officer development.

2) Since most character and leadership development takes place in



Photo by Rachel Boettcher

Commandant of Cadets Brig. Gen. Sam Cox and Col. John Norton, director of the Center for Character and Leadership Development, unveil the new center's logo Monday. Looking on from left to right are retired Col. Tom Berry, deputy director, Lt. Col. Joe Sanders, assistant director for scholarship, and Lt. Col. Jim DeReus, assistant director for integration. CCLD is an enhanced outgrowth of the former Center for Character Development. The logo was designed by Chris Hureau of DenMar Services, Inc.

routine, daily interactions, it is critical these daily events are complementary, synchronized, and developmental. CCLD plays a role insuring this by equipping the faculty and staff and helping to integrate cross-mission element curriculum.

3) Leadership and character are related, interdependent concepts—there is clearly synergy in developing them together in the same programs. CCLD has already begun integrating leadership development into our programs; an example is the new third class ROPES seminar.

Another critical part of this transformation is a change in mindset. The center's focus on great stand-alone programs has been replaced by a focus on how those programs fit into the larger cadet experience. Of all the CCLD's focus areas, integration has perhaps the highest impact on cadet's development because it leverages all of the countless daily interactions in cadets' lives into meaningful develop-

mental experiences.

We are also working on a new building for the CCLD for both practical and symbolic reasons. A distinctive CCLD facility will make a statement, both internally and externally, about USAFA's commitment to character and leadership development as the indispensable foundation of officer development. The CCLD building, located just south of Arnold Hall, will break ground in early 2011 and be completed by summer of 2012.

The cadets, faculty and staff of USAFA will continue to enjoy world-class center programs, but CCLD will offer much more—integrated curriculum, increased understanding of officer development, and a focus on helping us all become more effective in our daily efforts to develop leaders of character.

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

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The *Academy Spirit* is published by Colorado Springs Military Newspaper Group, a private firm in no way connected with the U.S. Air Force, under exclusive written contract with the U.S. Air Force Academy. This civilian enterprise Air Force newspaper is an authorized publication for members of the U.S. military services. Contents of the *Academy Spirit* are not necessarily the official views of, or endorsed by, the U.S. government, the Department of Defense or the Department of the Air Force.

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



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Demi Clinton
Air Force spouse



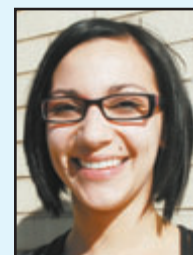
"Probably, based on the Farmers Almanac and NOAA research. I'm a skier so it would be a good winter for me. I love Colorado."

Lt. Col. Chip Davis
Joint Functional
Component
Command
Schreiver Air Force
Base



"Yes because last year we did not have a bad winter."

Becca Milne
Air Force
family member



"Yes. Our summer was so cold and windy, and fall is starting out cooler."

Joyce Willener
Contractor



Academy 'unplugging' from outdated mindset

Net-Zero goal slates USAFA for energy independence

By Academy Spirit Staff

October is Energy Awareness Month and the Air Force Academy is well on its way to becoming a "Net-Zero" electricity installation by 2015 and carbon-neutral installation by 2025.

The Academy Energy Strategic Plan prepared by the 10th Air Base Wing and USAFA dean of faculty released in March provides a comprehensive outline of things to come.

"The United States Air Force Academy is committed to commissioning leaders of character who are devoted to societal, professional and individual responsibilities, including ethical reasoning and action, service to nation, and lifelong contributions," the Energy Vision reads.

One such contribution required of tomorrow's leaders is becoming keenly aware of energy consumption and remaining pro-active in leading others toward awareness and effectively reaching long-term goals.

"The initiatives unfolding at the Air Force Academy are paramount in culturing and sustaining the change our nation must undergo to reduce energy consumption and dependence on energy sources from other parts of the world that do not share our views and values," said Russell Hume of the 10th Civil Engineer Squadron.

Identifying and executing energy-saving measures is not new to the Academy. In fact, there's been more than 30 years of success at making significant strides

towards every federal mandate related to facility energy reduction.

Officials say, however, that recent mandates requiring a 30-percent reduction by 2015 will require even more aggressive actions. If all goes as desired, the result will be an overall 60-percent reduction in energy use between 1975 and the target date, just over five years out.

Future issues of the Academy Spirit, as well as many other sources of information, will guide Academy members and their families to contributing toward meeting the 2015 Net-Zero objectives.

In the meantime, simply changing one's daily habits can help begin saving energy immediately.

The following energy saving tips should help each of us gauge how effective we are at already playing our part.

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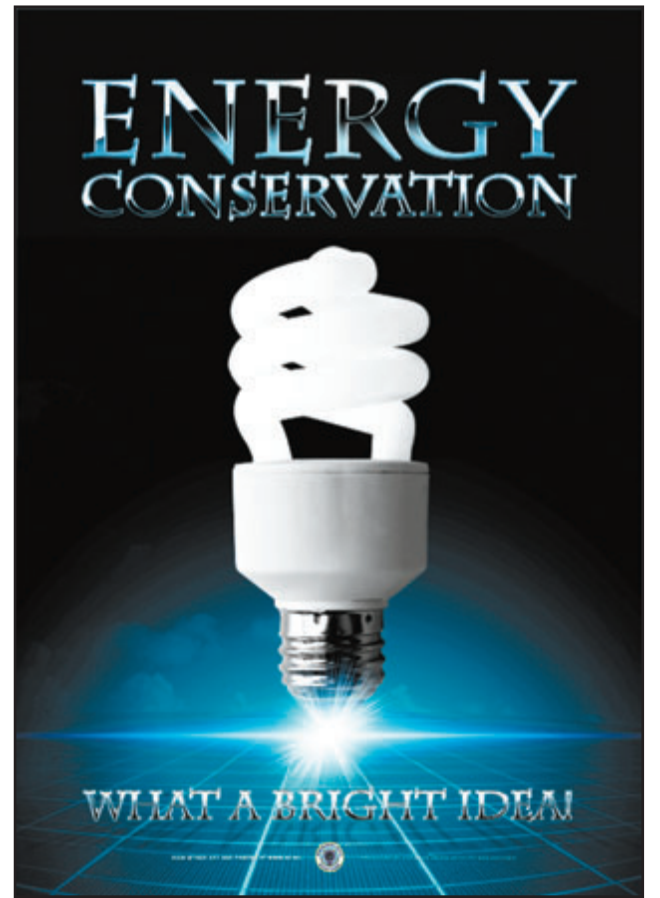
- Air dry dishes instead of using your dishwasher's drying cycle.

- Turn off your computer and monitor when not in use.

- Plug home electronics, such as TVs and DVD players, into power strips; turn the power strips off when the equipment is not in use (TVs and DVDs in standby mode still use several watts of power).

- Lower the thermostat on your hot water heater to 120°F.

- Take short showers instead of baths.



Air Force Graphic by Luke Borland

- Wash only full loads of dishes and clothes.
- Drive sensibly. Aggressive driving (speeding, rapid acceleration and braking) wastes gasoline.

Look for the ENERGY STAR label on home appliances and products. ENERGY STAR products meet strict efficiency guidelines set by the U.S. Department of Energy and the Environmental Protection Agency.

10th Medical Group lists clinic relocations

As the 10th Medical Group nears completion of its remodeling project, several clinics will change locations over the course of the next two months to the main clinical building of the 10th Medical Group, Building 4102. These clinics will be consolidating from the Community Center, the Temporary Phasing Facility and from within the main clinic to their new locations. The chart to the right identifies the clinics changing locations and their expected re-opening dates.

Due to construction limitations, we are unable to provide exact moving dates for the clinics other than Dermatology and Optometry at this time. If you have an appointment scheduled in one of these clinics and are unaware of your appointment location, please call the access to care line at 457-CARE (2273) or visit the information desk located in the front lobby of Bldg. 4102. Patients should plan for additional time to make their way to their scheduled appointments.

| Clinic Relocations | | | | |
|---------------------------|----------------------|----------------------|--------------------|-------------------|
| Department | Current Location | New Location | Expected Move Date | Clinic Re-opening |
| Dermatology | 1st Floor Bldg. 4102 | 3rd Floor Bldg. 4102 | Complete | Open |
| Optometry | TPF | 3rd Floor Bldg. 4102 | Complete | Open |
| Neurology | TPF | 3rd Floor Bldg. 4102 | Complete | Open |
| Sleep Lab | Fort Carson | 3rd Floor Bldg. 4102 | In Progress | Monday |
| CC Physical Therapy | Community Center | 3rd Floor Bldg. 4102 | Oct. 7-12 | Oct. 13 |
| CC Occupational Therapy | Community Center | 3rd Floor Bldg. 4102 | Oct. 7-12 | Oct. 14 |
| Allergy and Immunizations | TPF | 1st Floor Bldg. 4102 | Mid November | Mid November |
| Pediatrics | Community Center | 1st Floor Bldg. 4102 | Mid November | Mid November |

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Command chief meets with Academy's enlisted

By Staff Sgt. Don Branum
Academy Public Affairs

The Academy's command chief master sergeant met with enlisted Airmen here during a pair of enlisted calls Sept. 23 and 24 at the base theater.

Chief Master Sgt. Todd Salzman switched back and forth between humor, passion and businesslike straight talk during his conversations with servicemembers from the Academy's direct reporting unit and 10th Air Base Wing.

"Let me say right off the bat how impressed I've been with the good things you do," Chief Salzman said. "We have a unique mission at the Air Force Academy, and I expect you to understand what you do here and why it's so important."

The enlisted call covered Air Force-wide topics of interest as well as the chief's personal philosophy on Airmanship. One of the first points of discussion was the Air Force priorities, the topmost of which is reinvigorating the nuclear enterprise.

"We need to get back to a compliance-driven, accountability-based culture," Chief Salzman said. "In my Strategic Air Command days, if you screwed up a nuclear alert, you were automatically in front of the wing commander -- it didn't matter whether you were an Airman with one stripe on your sleeve."

The United States has had to change how it fights



Chief Master Sgt. Todd Salzman

in response to the terrorist attacks of Sept. 11, 2001, and the increased deployment tempo is only part of the transformation, Chief Salzman said.

"This is a war that will last a long time," he said. "We're not just fighting terrorism in Iraq and Afghanistan. We're also combating drugs in South America and extremism in Africa and the Philippines. We're out there so girls won't be shot in front of their schools. Think of your daughters and the kind of life you would want for them -- that's what we're out there trying to provide. People need something more to hang onto than violence -- that's what we're really doing. We're giving them something better."

Moreover, adversaries in cyberspace have forced the U.S. to rethink how it uses its networks.

"Everything we do is connected to a computer system," he said. "We didn't have this problem in 1981 and 1982 because if you broke your number-two pencil, you turned it around and sharpened the other end. Today, we rely on our networks for everything we do, and the 10th Communications Squadron folks can tell you, a lot of people want to take down our networks. So think about what Web pages you're viewing, what e-mail attachments you're opening up. Make sure you're taking operations security and computer security seriously when you're talking about them."

Chief Salzman asked Airmen to re-examine the "why" of their day-to-day operations.

"Look at the things you're doing everyday and ask, 'Why am I doing this?'" he said. "You don't have time to do something that isn't meaningful. You have the authority to ask questions. You have the authority to find a better way."

The chief added that while Airmen should suggest changes to their leadership, they are still obligated to follow orders until such policies are changed. Followership, the chief stressed, is part of leadership.

Airman 1st Class Hendrick Martinez, a patroller with the 10th Security Forces Squadron, expanded on the chief's followership message.

"Regardless of how many stripes you have, we all need to complete the mission," said Airman Martinez, who first met Chief Salzman while attending the First Term Airmen Center course here. "If someone's messing up, it's our job to correct it. There's no room for beating around the bush. It has to be correct and done correctly the first time around."

Airmen in the 21st-century Air Force must be agile, involved, versatile and educated, Chief Salzman said. He further broke down agility into mental, physical and deployment aspects, with a special emphasis on physical fitness.

"You'll see folks walking around for three hours in chemical warfare gear that protects them from chemicals that'll kill them during a readiness exercise," he said. "And then the first thing they do after they get out of all that gear is light up and inhale a bunch of chemicals that'll kill them."

The audience laughed at his example, which he illustrated with the skill of a stand-up comedian, but his next words sobered the gathered men and women.

"So quit. Yeah, it's hard, but what's harder -- quitting smoking or watching someone you love die from emphysema because they smoked for 30 years?"

Airmen must also be ready to deploy -- and readiness in this arena, the chief said, cannot be overlooked.

See ENLISTED CALL, Page 8

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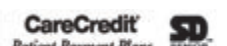
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Forum gives cadets inside look at pilot training

By Ann Patton
Academy Spirit staff

Cadets with their eyes on the wild blue yonder after graduation are getting a glimpse of flying education through Cadet Aviation Forums.

The first forum this year, held Sept. 25, will be repeated in the spring.

“Our purpose is to inform cadets on the latest pilot training information,” said Lt. Col. Chris Foster with the 306th Flying Training Group at the Academy airfield.

Representatives from both the Initial Flight Screening and Undergraduate Pilot Training programs were on hand to give cadets an inside look at what pilot training involves and answer questions. About 50 cadets attended the forum in Mitchell Hall.

The IFS program under Air Force Air Education and Training Command serves as the gateway to Air Force aviation. The preliminary flight training course prepares newly commissioned Air Force officers selected for Pilot or Combat Systems Officer Training.

Candidates have 22 training days, 10 sorties and 13.8 flight hours under the guidance of civilian Doss Aviation instructor pilots in the Diamond DA20 aircraft.

Trainees are drawn from active duty, Air National Guard, Air Force Reserve officers and ROTC cadets who are candidates for UPT. They are screened for attitude, aptitude, adaptability and motivation to be professional military aviators.

During the program, located in Pueblo’s industrial park next to the airport, they are housed in the main facility with dormitories, kitchens and dining rooms, classrooms, a chapel, gym, barbershop and

conference rooms.

Lt. Col. John Shirtz, functional director for the program and Academy Class of 1991, called IFS a “fire hose of a learning model” and said it requires a high degree of motivation.

“You have to do the work,” he advised cadets. “It’s good but difficult.”

Colonel Shirtz said trainees receive no leave or overnight visitors and they should leave weapons and pets elsewhere.

He also stressed Academy graduates are treated no differently from other students in the program.

“Just put your best foot forward,” he said.

Roughly 90 percent of trainees make it through the class in preparation for UPT, held at various bases. In some cases, classmates may include members of the Navy as well as the Air Force.

“It is a most amazing but stressful year of your life,” Capt. Zach Tinnen, Academy Class of 2005, told cadets.

The instructor pilot from Vance AFB, Okla., stressed the keys to succeeding in UPT include commitment, attitude and adequate sleep. With 54 weeks to prove themselves, there are no second chances.

“You will be at the pointed end of the spear,” he said and emphasized UPT is no place to linger while deciding on a career path.

The program will be demanding physically, mentally, emotionally and spiritually but worth it.

“If you have a good attitude and you study, I will bend over backwards to teach you how to fly,” Captain Tinnen said.

Colonel Foster cautioned cadets that after training




Courtesy Photo

Capt. Zach Tinnen, Class of 2005, gives cadets an inside look at Undergraduate Pilot Training during the Cadet Aviation Forum. Representatives from both the Initial Flight Screening and Undergraduate Pilot Training programs were on hand to give cadets an inside look at what pilot training involves and answer questions.

they may not get the aircraft they initially wanted.

“Have an idea what you’d like to do, but keep an open mind,” he said. “You’re going to like what you get.”


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Trailing dogs hone their sniffing skills

By Ann Patton
Academy Spirit staff

It was all noses to the ground last week during a canine trailing seminar here.

Chris Jakubin, Academy kennel master and trailing instructor, joined forces with instructors from Canine Training Academy in Cañon City to help train and certify 19 working dogs in seeking out criminal suspects and in search and rescue missions.

Mr. Jakubin said some breeds have a natural bent for trailing.

"Hounds are the most pre-disposed genetically," he said and added, "time, patience and practice are also required to produce a good trailer."

While the majority of the dogs in the events were bloodhounds, there was also a short-haired pointer, a husky and a German shepherd.

Dogs and handlers came from as far away as New York, Minnesota, Washington, Utah and California, as well as Colorado. Instructors from CTA tested dogs around deserted quarters in Pine Valley, in Falcon Stadium and in areas around the Academy kennels.

Academy military working dog handlers also took advantage of the opportunity to observe training and practice methods for trailing dogs.

The dogs, at various stages of learning

and experience, sharpened their skills and were put to the test in three certification levels. Canine officer Jason Schwab with the Los Angeles Police Department said as the dogs' progress through the various levels, they are incrementally challenged by changes in surfaces, turns and distance. Certification is especially important in criminal cases going to court.

Unlike "tracking" dogs, which follow human scents and find articles, trailing dogs distinguish and follow one person's scent and identify that person. Human scents are left by the daily shedding of millions of skin cells and perspiration which drift with the wind and fall to the ground as the person moves.

"This is the hardest canine work there is," Mr. Jakubin stressed.

CTA instructor Coby Webb said the longest her dog has trailed is eight and a half miles with a find at the end, but she knows of other dogs that have traveled much further.

Canine officer Randy Hunnewell with the Salt Lake City Police Department said training for trailing dogs begins shortly after puppies are weaned with a process called "imprinting," which instills in the dog the force to hunt people and nothing else. Training, like certification levels, is incremental for distances, surfaces and patterns.

He and his bloodhound Moe have 83



Photo by Ann Patton

Oliver the bloodhound sniffs his way around Pine Valley during training and certification exercises on the Academy last week. John Richey of the Salt Lake City Sheriff's Office trails behind.

apprehensions of criminal suspects to their record, nearly all in urban settings.

Officer Schwab has been paired with his dog Sage for a year. During that time they were able to find a disabled child, and four suspects in about 50 searches total.

Officer John Kunkle with the Placerville, Calif., Police Department worked with his young bloodhound Hank.

"He's a typical hound," the handler said. "He's people-oriented, happy to be petted and lie around or be on the trail."


So far, despite his youth, Hank has aided in finding a bank robbery suspect in the suspect's home and pharmacy robbery suspects in their car.

Among the handlers and canines for the Academy events was also a pair of celebrities, Officer Matt Broad with the San Mateo Sheriff's Office and his bloodhound Morgan.

The pair appeared on the Discovery Channel's *Mythbusters* program for a segment on tricking bloodhounds. Morgan "busted" the myths that bloodhounds can be tricked by backtracking, zigzagging and going up a tree, crossing a river, covering a trail with ground pepper or bathing and changing clothes.


Fame has hasn't changed dog or handler.

"I'm just the fool behind the leash," Officer Broad said.



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First CE officer recalls Academy growing pains

By Ann Patton
Academy Spirit staff

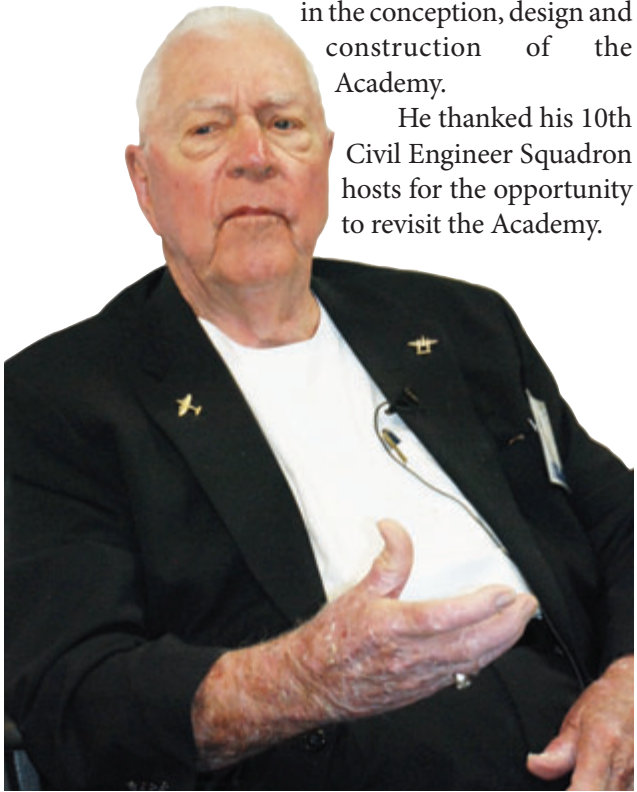
Colonel Art Witters kept his promise to Gen. Hubert Harmon that the Academy would have its own field house.

He made that promise only a few days before General Harmon, whom Colonel Witters fondly called "Boss," passed away in 1957.

It took 11 years to become a reality when, in 1968, the Cadet Field House was dedicated.

"I made good on my promise," the first Academy civil engineer said during his visit to the Academy Monday, his 90th birthday, to share his recollections of his part in the conception, design and construction of the Academy.

He thanked his 10th Civil Engineer Squadron hosts for the opportunity to revisit the Academy.



"I wanted to have the greatest academy in the world. You have made it happen," he said.

The first director of installations (Air Force Civil Engineer) for the Academy began his military career in 1941, first serving as an Army artilleryman and Air Force fighter pilot in Europe during World War II. After the war he taught at the U.S. Military Academy and then served as Academy civil engineer from 1954 to 1958 and chief architect for the Academy from 1961 to 1965. He later served as an architectural advisor to the secretary of the Air Force between 1965 and 1970.

Along the way, he married Beverly, his wife of 67 years, and the couple had four children.

Colonel Witters' long dedication to the Academy began in 1948 with his master's degree thesis on what an Air Force Academy should look like. With little or no academic research material available, Colonel Witters set out to create his own, beginning with his stint at West Point.

"I learned the academies from the ground up," he said.

The former civil engineer spoke in great detail of the names, dates and projects as well as the conflicts and differences of opinion in the creation of the Academy, first at Lowry Air Force Base and then its permanent home.

Projects became larger and more expensive as they progressed, especially after cadet numbers for all academies were standardized at 4,417 each. Colonel Witters saw the need for a meeting place for an entire cadet class as well as an outlet for after-hours.

"I wanted a social center for the cadets," he said.

Before construction began on what would become

Vandenberg Hall, he spoke of the two-room lived-in mock-up of a dorm room as a test for architecture and furnishings for future dorm rooms and the varying opinions of those involved in the approval process.

Colonel Witters also recalled differing opinions on the design for Mitchell Hall, which at one point included 12 columns in the main dining room, and the eventual resolution of those differences.

While chief Academy architect, he was consulted when, during construction, the chapel leaked between 50 and 100 gallons of water seeping between the 35,000 glass tetrahedrons, or "dalls," every time it rained. He oversaw the installation of box gutters, downspouts and glazed glass wire on the dalls to fend off the leakage.

The chapel was dedicated on his birthday in 1963.

During his tenure at the Academy, the architect testified 22 times on Academy issues during hearings in Washington, D.C.

Colonel Witters, with obvious sadness, spoke of his "most heartbreaking spring" in 1959 when he was not on the invitation list for the first Academy graduation.

In more pleasant times, he told of greeting General Omar Bradley, who, to the architect's amazement, addressed him by his first name.

The general had his own reasoning.

"If you don't remember who served you, you don't deserve to be served," he said.

Colonel Witters adopted that saying, as well as one of General James Briggs, the Academy's second superintendent.

"If you have good people, you'll get the job done," the general was known to say.

Colonel Witters is the co-author, with retired Col. J. Bryce Hollingsworth, of the book *Off We Go!*, the story of the creation of the Academy. It is available at the Association of Graduates.

Photo by Ann Patton

Retired Col. Art Witters, first director of installations (Air Force Civil Engineer) for the Academy revisited the facility he helped to create Monday.

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Permissive PCS policy discontinued

RANDOLPH AIR FORCE BASE, Texas – Air Force officials have announced a recent change to the permissive PCS policy.

The permissive permanent change of station program will be discontinued. However, other policies have changed lifting restrictions from the join spouse and base-of-preference programs.

"For years we have allowed our

Airmen to make permissive moves paid for out of their own pockets," said Chief Master Sgt. Andy Kaiser, command chief of the Air Force Personnel Center. "Since we've stabilized our budget, we can delete provisions for permissive PCS moves and take better care of our Airmen and their families by not asking them to pay for their move out of their own funds."

Air Force officials are allowing more

flexibility with other programs to give more options to our Airmen.

The time on station requirement for government funded join-spouse assignments, where the Air Force assigns military couples (when possible) to a location where they can live in the same residence, has changed from 24 to 12 months.

The other PCS change involves recent adjustments in manning require-

ments for Airmen at stateside bases, which is expected to open up more base-of-preference opportunities for first-term and career Airmen.

"We are encouraged by these changes and the positive impact that will have on our Airmen," said Chief Kaiser.

For more information call the 24-hr Total Force Service Center at 800-525-0102.

Enlisted call

From Page 4

"Do you know how many people get killed in combat whose ex-spouse gets their (Servicemembers' Group Life Insurance) money?" he asked. "Bottom line — make sure you're taking care of your family, and make sure you're taking care of the family you're expecting to take care of." Airmen should also make sure their virtual Records of Emergency Data are up-to-date so that the Air Force can contact family members in the event of an emergency.

Versatility ties back into looking at one's day-to-day job and seeing how it can be done better, Chief Salzman said.

"I don't think we really manage our own time," he said. "What's our priority? If you're not going to your boss and asking, 'What's the most important thing I need to do to get my mission done?' you need to. You need to stop accepting everything as a priority."

Chief Salzman invited Airmen to be involved with the Academy and the community, both personally and professionally. He also asked Airmen to remain versatile — to be Airmen first and foremost.

"One day, someone may come up to you and say, 'Your job is going away — what would you like to do from this list?'" he said. "That makes good business sense, because why would you want to spend more money training someone and bringing them up to speed when you already have someone you can put in that job? So keep two or three paths open that you can walk down, and think about leaving your career field every once in a while for a special duty assignment."

Chief Salzman encouraged the audience to pursue higher education and noted that the Academy already leads the Air Force for the number of Community College of the Air Force degrees earned.

"Continue," he said. "Get your bachelor's done,

then get your master's done. I took \$32,000 out of the Air Force's pocket to get two CCAF degrees, a bachelor's degree and a master's through Air Force tuition assistance. That's insane if you're not taking advantage of that."

Airman Martinez said he appreciated Chief Salzman's enlisted call, both because of the information it provided and for the way the chief presented it.

"The great thing about Chief Salzman is that he knows how to get the audience going and keep their attention," Airman Martinez said. "His demeanor is funny, informative and very down-to-Earth."

The chief concluded his enlisted call with something he said several times throughout the discussion — a compliment for the Air Force's enlisted corps.

"You are the most educated, most highly trained, most experienced enlisted force in the world," he said. "It is my job to take care of you. That's how I approach my job — it's all about you."

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Year of the Air Force Family: July 2009 – July 2010

“... We will focus our attention on Air Force families – their hardships and needs, what we might do to make Air Force life more compatible with family life, and how we can build a greater sense of community across the Air Force.”

“... Single Airmen are, of course, part of our Air Force family and share many of the same interests and needs.”

Secretary of the Air Force
Michael B. Donley

Remarks to Air Force Sergeants Association,

Aug. 19, 2009

By Edward Gavagan

Director, USAFA Airmen and Family Readiness Center

The secretary of the Air Force and the Air Force chief of staff named July 2009 – July 2010 the “Year of the Air Force Family.”

The Year of the Air Force Family will provide leadership, at all levels, a vehicle to communicate information to DoD audiences, Airmen, family members and surrounding communities, on the variety and scope of programs offered to members of the Air Force family based on their particular needs. The Air Force will use the Year of the Air Force Family to highlight the many successful programs already in place and to inform Airmen and their families about the development of new programs; unveiling them throughout the year.

In addition to his above comments, Secretary Donley said, “We’ll use this year to highlight our longstanding commitment to the four basic needs of Air Force Families:

- Affordable and available family housing;
 - Safe and rigorous schools that challenge and prepare our children for childhood and adulthood;
 - Accessible, quality medical care for families, Wounded Warriors, and those with special needs; and,
 - High quality, affordable childcare that meets the needs of working spouses and families with deployed members.”
- Focus will be put on creating awareness of Year of the Air Force Family initiatives through on-going activities and/or programs that contribute to overall quality of service for Airmen, their family members and the Air Force family.

Key initiatives over the Year of the Air Force Family include:

- Revised Key Spouse program, ongoing.
- Caring for People Coordinator Training, ongoing.
- Special Needs Support program, January 2010
- FitFamily, January 2010
- School Liaison Officers, July 2010

Additionally, Air Force Services Agency will sponsor cornerstone activities during the year to enhance services with a deployment support respite program:

- Children and Youth
Children of authorized patrons will receive a free league sports class or free instructional class during the year.
- Family Recreation
Is designed to help families enjoy free recreation activities throughout the year.

Comprehensive marketing materials make it a simple Year of the Air Force Family initiative to promote.

Secretary Donley concluded his remarks to the Air Force Sergeants Association by saying, “We make this commitment not only because it is the right thing to do for our Airmen, but because it is the smart thing to do for our Air Force. Enhancing our service to families and fostering a greater sense of

community increases our mission effectiveness – both at home and while deployed. Our missions are demanding, and our Airmen perform to the highest potential if they are unencumbered by worries about their families and personal affairs.”

Source: Year of the Air Force Family installation guide



Photo by Rachel Boettcher

Civic Leader Tour

Dr. Ed Scott, Academy library director, reads six lines alluding to aviation from the 15-page poem “Locksley Hall” in the 7th edition (1851) of Poems by Tennyson to members of the Air Education and Training Command Civic Group. AETC Commander Gen. Stephen Lorenz and 23 members of his civic group toured Academy facilities, met with cadets and ate lunch in Mitchell Hall last week. General Lorenz, a 1973 graduate, was the Academy’s commandant of cadets from August 1996 to June 1999. The group also viewed photographs in the library’s Gimbel Room which houses the Col. Richard Gimbel Collection of Aviation History. Bequeathed to the Academy in 1970 by Colonel Gimbel, the Gimbel Collection is considered the premiere early aviation collection in the United States with more than 20,000 mostly pre-powered flight books, paintings, and other artifacts.



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Academy HPL tests, researches, trains, educates

The mission of the USAFA Human Performance Laboratory is to apply sports science principles to improve USAFA athletic teams and individual cadet performance. Coaches, cadet athletes and cadets are provided with specific physiological information by way of testing, research, training, and education. A secondary function is to be an Air Force fitness program and human performance subject matter expert which provides scientific expertise through research and exercise science principals to the Air Force. As a result, the HPL offers a venue for cadet researchers and qualified exercise physiology interns to complete independent study research in the field of exercise physiology, biology, biochemistry and biomechanics.

By Academy Spirit Staff

Officials say there are more than 1,000 cadets and another 100-plus faculty and staff tested and trained by the Academy Human Performance Lab in a typical year.

The HPL enhances all intercollegiate teams by providing the coach and team members specific testing and training to improve their athletic performance. The lab also provides a means for individual assessment and improvement in a number of physiological performance parameters. Finally, it provides opportunity for various academic/scientific independent studies.

The effort to develop and maintain the caliber of athletes the Academy boasts is a complex challenge the HPL staff faces daily ... but one at which they excel. There are many tools to their trade and this article is intended purely as informational in nature to help readers understand the scope of what it takes for Academy athletes to keep all on top of their respective games with the help of the HPL staff.

This HPL testing/training includes:

Dual Energy X-ray Absorptiometry Testing

This is a test for body composition and bone mineral density. The measurement of percent of body fat is widely used in sports medicine as another determinate of athletic performance. The ideal weight of an athlete is made up of the person's total weight and the relationship of lean body weight to fat weight ratio. Consideration in determining an ideal weight includes the natural endowment and basic physical structure of the athlete plus the type of activities in which he or she competes. This testing is conducted both for teams and individuals.

Sports Vision training

Improved eye performance results in better athletic performance. The HPL currently has many state-of-the-art vision enhancement capabilities. Each testing and training regime will be sport specific and the time involved in each assessment/training varies with each sport. The staff recently published



Photo by J. Rachel Spencer

KC-135 pilot Capt. Dustin Benker, who is training for a marathon and triathlon, runs on a treadmill to check his oxygen consumption and carbon dioxide production while he works out.

a study with data on more than 900 hundred cadet athletes over a 10-year period and tracked individual improvement in the lab over a four-year period. The study concentrated on myriad sports vision exercises and found a minimum improvement of 54 percent at one station and two stations with more than 150 percent improvement over a four-year period.

Besides training USAFA athletes, the staff is working with several other military organizations on improving visual skills including AFSOC Combat Controllers and Air Force Security Forces.

Maximal Aerobic Capacity (VO₂max testing)

Maximal oxygen uptake (VO₂max) is a primary determinate of endurance performance and provides important information on the capacity of the long-term aerobic energy system. This test is a 6-to 14-minute exercise test where the workload continues to increase until the athlete has achieved volitional exhaustion. The test is normally performed on a treadmill or cycle ergometer. Based on the results of this test, the athlete can be provided with a specific and individualized training plan designed to further enhance their physical and sport performance.

Maximal Anaerobic Power (Wingate testing)

The Wingate anaerobic test involves a 15-30 second all-out effort with either the arms or legs on a cycle ergometer. Many athletic events involve short bursts of maximal effort utilizing energy that is stored in the muscle tissue to produce a rapid burst of power. This energy supply is rapidly depleted during maximal effort, usually within 30 seconds of the start

of the activity. This test provides the athletes' peak power, average power, rate of fatigue and total work performed. It is very repeatable and an athlete can be evaluated several times throughout the year to measure changes in anaerobic power that occurred during specific training periods.

Running and cycling economy and/or blood lactate threshold testing

The staff can measure an athlete's running or cycling economy. This test can be done at a variety of speeds and tells coaches which athletes have the more economical styles through metabolic analysis. Running economy is another indicator of athletic performance since the more economical runner will be using a lower percentage of his or her VO₂ max at a given speed. This test takes about 30 minutes, and speeds chosen can be matched to the athletes' ability. Biomechanical filming can be combined with this test as well. Follow-up tests will show the athlete how much his or her running economy has improved through technique change.

Total Hemoglobin Mass

The USAFA HPL is one of only three U.S. labs capable of measuring total hemoglobin mass utilizing the optimized CO re-breathing technique. This technique allows an athlete's total hemoglobin mass, erythrocyte, plasma, and total blood volume to be determined using a minimally invasive and very precise and repeatable method. This information can be used by the coach or athlete to judge the quality of the athlete's endurance training.

The HPL will move to its new 4,500 square foot location in February with the completion of Phase-One gym renovation. This will allow the lab to

consolidate all its equipment in one location. Once there, more testing equipment will be added, which will allow testing athletes even more efficiently.

Hyperoxic training – swim team

We have started some initial testing with some intercollegiate teams with hyperoxic training—allowing the athletes to breathe in sea level air (which has more oxygen per volume than the air at USAFA) during interval training or maximal effort events to further adapt the skeletal muscle and improve athletic performance at sea level events.

New programs on the horizon

The HPL will soon start a joint USAFA/Air Force Research Laboratory study with a primary objective of identifying genetic associations with physiological performance and psychological cognition parameters. This study will aid in the development of a personalized military training program, which will allow the Air Force (or other DoD entity) to optimize warfighter physical and cognitive capabilities while lowering training injury rates and training time.

The following members of the HPL were hand-selected by senior Athletic Department staff. They all have degrees in exercise physiology. Interns are hand-selected by HPL staff based on the intern's qualifications, school requirements, and needs of the lab.

Lt. Col. Michael Zupan, Ph.D.

Lt. Col. Michael Brothers, Ph.D.

Jeff Nelson, Ph.D.

Al Wile, MS

Jim LaChapelle, M.S.—retired AF intern

Elizabeth Grossmann –intern from CU-Pueblo.

Defense carries Falcons to victory over Aztecs

By Staff Sgt. Don Branum
Academy Public Affairs

The U.S. Air Force Academy football team won its second straight Mountain West Conference game on the strength of its defense, which scored two touchdowns in Falcons' 26-14 victory against San Diego State University Sept. 26 at Falcon Stadium here.

The Falcons picked off San Diego State's quarterback four times, including a 47-yard interception run back for a touchdown by defensive back Anthony Wright.

Falcons linebacker Andre Morris also recovered a fumble forced by Rembert and returned it 47 yards for a score. Falcons defensive lineman Myles Morales and linebacker Alex Means each accounted for a sack, with defensive linemen Ben Garland and Rick Ricketts sharing a third sack against the Aztecs' QB.

Both teams' offenses had trouble finding a rhythm. San Diego State scored the first offensive touchdown with less than four minutes left in the game, while the Air Force's offensive difficulties stemmed mainly from penalties. The Falcons were flagged nine times for 75 yards, including a holding penalty that nullified a 46-yard touchdown run by Savier Stevens in the third quarter. Only six points came out of Air Force's three trips inside the red zone.

"Because of penalties, we just left way too many points out there on the field," said Falcons head coach Troy



Photo by Rachel Boettcher

Sophomore defensive back Freshman outside linebacker Anthony Wright tackles Aztecs wide receiver Vincent Brown during the Falcons 26-14 win over San Diego State at Falcon Stadium Sep 26. Wright had three solo tackles and a 47 yard interception return for a touchdown. The Falcons are now 3-1, and 2-0 in the Mountain West Conference.

Calhoun. "There were just many more points to be had. But we didn't turn it over, and then we created a bunch of turnovers."

The Falcons reserve quarterback Connor Dietz started the game for the Falcons. Starter Tim Jefferson suffered a sprained ankle in Air Force's 37-13 victory over New Mexico Sept. 19.

"The only guys we're going to play are the guys who can go full-speed," Coach Calhoun said. "For us at the Academy, our guys have to have smoke blowing out of their ears and play like their hair's on fire. If there's any reservation at all, you don't play. Everything we asked (Dietz) to do, he did a quality job with. It's the guy's first start as a

sophomore. He's going to be a good player."

Falcons kicker Eric Soderberg put four kicks through the uprights for the Air Force on six attempts, including a career-long 48-yard field goal that gave the Academy a 13-0 lead 1:42 into the second quarter. Soderberg became the eighth player in Air Force history to hit four field goals in a game and the first since Joey Ashcroft kicked four field goals in Air Force's 49-30 victory against Army Nov. 9, 2002.

The Air Force special teams unit also gave two points to San Diego State on a punt play on the Falcons' 28. The snap sailed over Soderberg's head and out the back of the end zone for the safety.

Air Force had 294 yards of total offense, including 58 runs for 243 yards and 51 yards on two completions from Dietz, who was 3 of 6 with no touchdowns or interceptions. The Falcons had a 36 percent conversion rate on third down. Air Force had the edge on time of possession with 33:23.

Air Force is now 3-1 on the season heading into a game against rival service academy Navy Oct. 3 in Annapolis, Md. The Falcons' conference record of 2-0 is their second such start in three years. Calhoun is 20-10 in his third season, 13-5 in conference play and 11-3 at home.



Photo by John Van Winkle

Sophomore wide receiver Jonathan Warzeka gives a stiff arm to San Diego cornerback Matthew Kawulok on his 22-yard end-around run in the game's opening drive. The multi-threat receiver ended the game with two receptions for 44 yards and added three rushes for 34 yards.

Next game
Saturday at Navy

Kickoff:
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TV: CBS C - HD
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www.goairforcefalcons.com

AF water polo player swims the English Channel

By Melissa McKeown
USAFA Athletic Communications

Before arriving at the Air Force Academy for basic training, many incoming cadets spend their last days as civilians taking it easy, relaxing with their friends and families. However, water polo player Ryan Hogan took a much different approach this summer, embarking upon an experience that would provide a legitimate challenge, both mental and physical—one that would prepare him for the rigors of Academy life.

In June Cadet Hogan a native of Carson City, Nev., went on a quest to swim the English Channel, a feat that has been called the “Everest of open-water swimming.” He was joined by high school friend Tatum Boehnke, who is currently a freshman on the women’s swimming team at the University of Northern Colorado.

Hogan’s interest in swimming the channel was generated by participating in various other open-water events, including the Escape from Alcatraz swim, where he performed well.

“I was inspired to swim the channel on my way back home from San Francisco after swimming the Escape from Alcatraz,” Hogan said. “I ended up winning the non-wetsuit division and for some reason, I just asked my friend, ‘Why not the English Channel next?’”

While the decision to swim the English Channel seemed purely spontaneous, the

duo did have a driving motivation. Hogan and Boehnke dedicated their swim to raising money for a local boy named Caden, a 3-year-old who had been diagnosed with a malignant brain tumor. Choosing a worthy cause to support certainly aided in getting the pair through a grueling training regimen.

To prepare for the English Channel swim, 21 miles at its shortest distance, Hogan and Boehnke trained mostly in Lake Tahoe and the San Francisco Bay. The two would take weekend trips to the bay to swim for several hours in water temperatures that ranged from 49-55 degrees Fahrenheit. Because the channel swim is completed without a wetsuit, Hogan and Boehnke adhered to that rule during their training, swimming through the cold to help their bodies get used to being in a mildly hypothermic stage.

The swim finally took place on June 13, 2009, shortly after the two attended their high school graduation. With the typical channel swimming season running from late June to late September/early October, the pair’s swim took place much earlier than the norm. In fact, Hogan and Boehnke were the first to complete the swim in 2009.

Doubters told the pair it was too cold to swim so early in the season. They were also reminded that a two-person relay can be even more difficult than a single swim, because of the rapid and frequent changes in body temperature.



Courtesy Photo

Freshman Water polo player Ryan Hogan (right) with Tatum Boehnke (left) and Chris Osmond, their English Channel Crossing boat pilot/observer pose for a photo during their summer trip to swim the English Channel. In addition to raising \$5,000 for a 3-year-old who had been diagnosed with a malignant brain tumor the team managed to become the fastest male/female two-person relay to ever swim the Channel.

Still, Hogan and Boehnke completed the swim, and did so in an impressive time of 10 hours and 40 seconds. Trading two-hour shifts in the water, they became the fastest male/female two-person relay to ever swim the channel. Their swim time currently ranks second among special category swims in 2009, more than two hours faster than the average time for their category.

Despite turning in such a respectable time, the swim was not without its challenges. Hogan’s body was reacting to the poor conditions of the swim, demonstrating why only about 10 percent of individuals who attempt to swim across the channel actually succeed.

“The worst part of the swim was about three hours before landing in France,” said Hogan. “My body was in a hypothermic stage, and I was having trouble counting past 20.”

“But the best part was when I landed in France,” continued Hogan. “The feeling of accomplishment was second to none.”

Not only did Hogan and Boehnke accomplish a feat that so few manage, their ultimate goal—raising money for the young Caden—was reached. Through their efforts, the duo raised approximately \$5,000 for the child and his family, making their struggle worthwhile. In the meantime, both were left with an interesting tale to tell—“How I Spent My Summer Vacation.”

Husky Athletics

Baseball

Husky baseball players encountered their first real challenge travelling to Trinidad State Junior College last weekend dropping a game, 3-2.

Against one of the better junior college baseball programs in Colorado, Cameron White stood out once again putting together another overpowering outing. Starting the first game of the double header, he pitched five innings of four-hit ball while compiling seven strikeouts.

Trinidad didn’t find a hit off of Cameron until the fourth inning.

Drew Gauthier continued his solid defense in left while also getting a clutch hit off of a tough lefty and ended up coming around to score the go ahead run with a hook slide at home.

Trevor Keele hit a laser line drive to center leading off that rally in the fifth inning and scored the tying run. He also pitched two scoreless innings to close out the first game of the double header.

Finally, Ty Lopez came off the bench to pinch hit in the second game of the double header with patience and a great eye working out a crucial walk to continue a rally.

Your Husky Baseball Players will be in action again Sunday at Dakota Ridge High School in Denver at noon.

Soccer

After a disappointing loss to Western Wyoming College Sept. 25, Megan Dozier led the Lady Huskies to a 3-2 win over Colorado School of Mines Saturday at the Huskies home turf.

Dozier started the first half putting in the first goal at the 15th minute to give the Huskies a 1-0 early lead. However, CSM quickly answered with a pair of break-away goals giving the Miners a 2-1 advantage at the half.

The Lady Huskies defense dug in for the second half and held off several scoring opportunities by the Miners with Sierra Richardson having four saves in the second half. Dozier clearly had the hot hand on this day and put in the equalizer in the 65th minute for her second goal of the day.

Dozier found the back of the net in the 74th minute but had it taken away as a result of the flag being up for a close off-sides call. However, the Lady Huskies were not deterred by the call and kept the pres-



sure up on the Miners’ defense. Dozier found the back of the net again and gave the Huskies the lead for good in the 83rd minute off a crossing pass from Stormy Sagmoen, giving the Lady Huskies their first Hat Trick of the year and cementing the 3-2 win.

The Lady Huskies improved their record to 2-2, 2-1 in league competition and will next face league rival Denver U. on their home turf Sunday at noon.

Men’s soccer

The Air Force Falcons travel to Texas this weekend for a pair of games in the Houston Baptist University Classic. Air Force, 3-3-1 this season, will take on Howard University today and Houston Baptist Sunday. Howard is 2-6 this year, while Houston Baptist is 4-5. The Falcons lost a pair of games at the Stanford Nike Classic in

California last weekend. On Sept. 25, the Falcons dropped a 3-2 decision to Stanford despite getting goals from Steven Noller and Jared Gomez. Sunday, fifth-ranked Cal dominated Air Force and won 3-0 in goalie Mike Mauro’s first career start for AFA.

Women’s soccer

The Air Force women’s soccer

team opens Mountain West Conference play, hosting Wyoming today. Kickoff is at 5 p.m. Live stats will be available for the match. Air Force dropped a pair of road matches last week at San Jose State and Pacific. The Falcons lost 4-0 at San Jose State Sept. 25 and 3-0 at Pacific on Sunday. Midfielder Stephanie Patterson leads the team with five points and three

assists. Forward Kelly Bieber and Murphy are tied for the team lead with two goals scored. Charity Blanton has played 831 minutes in front of the net for the Falcons, and has 41 saves on the season to go with a 1.95 goals-allowed average. Ariana Green has logged 180 minutes and has a 2.00 GAA to go with 11 saves.



Water outage

There will be a domestic water outage from 8 - 11 a.m. Wednesday in Vandenberg Hall, northeast section, from stairwells 28 to 46. The outage is scheduled to remove and relocate a backflow preventer. For more information, call Mel Peppers at 333-4242.

Lane closures

Colorado Springs Utilities will install an electrical duct bank along Stadium Boulevard all day Saturday and from 9 to 11 a.m. Monday. This will reduce eastbound Community Center Drive to one lane at Stadium Boulevard. Simultaneously, southbound Stadium Boulevard (two lanes) at Falcon Stadium vehicles will be directed into two-way traffic on the northbound side of the median. From 8:30 a.m. Oct. 12 through

51st Annual Academy Assembly 6-9 October 2009

Convened annually since 1959, the United States Air Force Academy's Academy Assembly is an undergraduate student conference sponsored jointly by the Air Force Academy and Columbia University's American Assembly. Held on the Academy grounds at the base of the Rampart Range, this student-planned and executed conference provides a unique opportunity for over 50 highly qualified delegates to discuss a topic of contemporary significance. Delegates to the 51st Academy Assembly are focused on addressing the topic: "Building the Bridge from War to Peace: Defining Interagency Roles in Rebuilding a Nation."

This year's topic focuses on defining the roles of the military and civilian agencies in helping to rebuild war torn nations. Participants will engage in discussions on when war ends and reconstruction begins, as well as what the responsibilities of different organizations should be in order to most efficiently and effectively repair a war-ravaged area. Prominent academics, government officials, and business people serve as speakers and roundtable leaders at the event.

Visit www.usafa.edu/df/dfps/Programs/Assembly/index.cfm?catname=assembly for more information.

5 p.m. Oct. 23, southbound Stadium Boulevard (one lane) crossing Deadman's Creek Bridge — the far right lane will be closed for boom truck to install electrical conduit under bridge. For more information, call Mark Malone, 333-5414, or e-mail mark.malone@usafa.af.mil.

Ongoing roadwork

The eastbound lanes of North Gate Boulevard will be closed through Tuesday to repave deteriorated roadway surfaces and install drainage lines. Traffic will be reduced to one lane in each direction. The speed limit on the affected area of North Gate Boulevard is 25 mph. For more information, call Christopher Padilla at 896-6445.

CFC Fundraiser

The 10th Air Base Wing will hold a car wash and chili cook off to benefit the 2009 Combined Federal Campaign. A donations-only car wash is set for 9 a.m. to 2 p.m. Oct. 10 at the Part-day Enrichment Center, 5150 Community Center Drive. Volunteers are needed, no experience necessary. The chili cook off is set for 11 a.m. to 1 p.m. Oct. 29 in the Milazzo Center Ballroom. Vote for your favorite chili while listening to the talented 10th ABW karaoke singers. Donations at either event can benefit a specific CFC organization or go toward all CFC organizations. Contact Diana Thrasher at 333-8264 or diana.thrasher@usafa.af.mil for more information.

Spooky night ahead

Halloween is just around the corner. Academy resident and Air Force dad, Tom Piña, is developing a map of both Douglas and Pine Valleys to show kids where they can trick-or-treat on the Academy this year. The goal is to have 15 to 30 homes in each valley participate.

In order to make the map, he's looking for people who will hand out candy. Other activities are also encouraged. Tom's doing a haunted carport. Whatever it is, let him know and he'll put that on the map too.

Scheduled timing for trick or treating is as follows: 5 - 6 p.m. while still daylight for the younger kids and 6 - 8 p.m. for all others. Those interested in participating

should e-mail usafahalloween2009@comcast.net no later than Oct. 28. The final map and all updates can be found at: <http://usafahalloween2009.blogspot.com>

Intramural bowling league

The league bowls every Monday at 5:30 p.m. Contact Mary, the league's secretary, at 648-6319 or at shattom@hotmail.com, or call the Academy Lanes at 333-4709 for more information.

Falcon sports blitz

Cris Shumaker and James Cornell update all weekend Falcon sports action, upcoming Air Force events, and other college sports notes every Monday at 6 a.m. and again at 6 p.m. on KAFA 97.7 FM. Call Dave West 333-9885 for more information.

Kempo

Classes are offered every Tuesday night for ages 4-adult. Learn self defense, self discipline and control, respect and confidence while getting fit in this class designed for the entire family. Call 333-4169 for more information and to sign up.

Communication seminar

How do we communicate more effectively? How do we deal with our expectations? Why are men and women so different? How do we get to the real issues? How can we fall back into love? How can we talk like best friends? The questions and more will be answered during a couples' seminar from 8:30 a.m. to 4:30 p.m. Oct. 9 in the Academy Family Advocacy office. Reservations are required. Call 333-5270 for more information.

Education fair

Academy Education Services and the 10th Medical Group will hold an education fair from 11 a.m. to 1 p.m. Nov. 19 in the Academy Clinic lobby. Attendees can meet representatives from local colleges and universities to find out about education programs suited to the needs of all students. All are welcome. Call the education office at 333-3298.

A&FRC offerings

The Academy Airman and Family

Readiness Center hosts the following classes in October. Call 333-3444 with any questions or for registration.

Group 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 assists in identifying benefits and services associated with your transition and beyond.

Medical records review

Monday and Oct. 19: 7:30 a.m. to 4:30 p.m.

Individuals within 180 days of retirement or separation can have the DAV review their medical records in preparation of filing for VA Disability Compensation through the VA Form 21-526. Call for more information or an appointment.

Sponsorship training

Tuesday and Oct. 27: 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 to sign up for this class.

Resume writing

Wednesday 9 a.m. to noon

Learn different types of resume and cover letter styles and how to make them work more effectively. The main purpose of the resume is to entice an employer to call you for an interview. If your resume is not doing this, then it may need some changes.

Civil service class

Thursday: 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.

Heart link class

Oct. 9, 9 a.m. to noon

The main purpose of this class is to introduce new spouses to the military – Air Force customs, protocol, mission, terminology, benefits and services. If you are a new spouse (0 – 5 yrs) to the Air Force, then this class will benefit you in many ways. Briefings provided by finance, TriCare, protocol, and much more.

Mock interviewing

Oct. 14: 9 a.m. to 1 p.m.

Preparing for your next career move? Feeling a little rusty or insecure about your interviewing skills? Sign up for the next best thing to the real thing! Mock interviewing with real HR reps!

Orientation and information fair

Oct. 15: 9 a.m. to 4:30 p.m.

Mandatory orientation for all newly assigned personnel. Spouses are welcome to attend. Event is held at the Milazzo Center.

TAP seminar

Oct. 20-23: 7:30 am to 4:30 pm

Separating in a year or retiring in two years or less? TAP workshop is designed to provide the knowledge and skills necessary for a successful transition into the civilian workforce. Learn interviewing skills, resume writing, networking, negotiations, dress for success, and much more. Call now to reserve your spot in the next available TAP class. These workshops fill very quickly so plan your attendance well in advance.

SCHEDULE OF WORSHIP

CADET CHAPEL

Call 719-333-2636 for more information.

Buddhist

Wednesday - 6:30 p.m.

Jewish

Friday - 7:00 p.m.

Muslim

Friday Prayer - 12:15 p.m.

Protestant

Traditional Worship
Sunday - 9:00 a.m.
Liturgical Worship
Sunday (Music Room) - 10:30 a.m.
Contemporary Worship
Sunday - 11:00 a.m.

Roman Catholic

Mass
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 or Robert.Longcrier@usafa.edu

COMMUNITY CENTER CHAPEL

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.



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