

HOCKEY DOUBLEHEADER

Falcons welcome Niagara to the Cadet Ice Arena Friday and Saturday. **Page 12**



ACADEMY SPIRIT

RESEARCH AWARDS

Cadets and faculty recognized for outstanding research efforts. **Page 4**

COOL SCIENCE

Local Girl Scouts treated to Chemistry Magic Show. **Page 5**

AFAF KICK OFF

For Airmen by Airmen. **Page 7**

BYU beats Falcons



BILL EVANS

The Falcons couldn't stop No. 7 BYU and NCAA-leading scorer Jimmer Fredette in a 90-52 loss Wednesday night. For story and photos see **Page 9**.

USAFA leadership take on manning issues

Force management to have large impact

David Edwards
Academy Spirit Writer

Streamlining and the Air Force Academy are no strangers to each other.

In aviation, streamlining is a good thing. In this instance, streamlining will translate into fewer cadets trekking across the Terrazzo in future years.

That's because the Air Force is implementing a strategy for force management. In layman's terms, the military now has more people serving than it will be authorized to have. So top brass is looking for ways to thin the ranks, and the Air Force Academy is included in those efforts.

Under the Air Force's plan, the size of the cadet wing will be reduced from roughly 4,500 to 4,000 cadets by Oct. 1, 2012. Enrollment for each incoming freshman class will be shrunk gradually.

Next year's freshman class will consist of 1,120 students. That number will dwindle to 1,050 for the class of 2016, but the following year the num-

See **ADMISSIONS Page 3**

USAFA honors academic aces

Nineteen cadets who achieved a perfect 4.0 GPA for the fall semester were recognized as Academic Aces by the Dean of the Faculty at a formal dinner hosted in their honor Feb. 3 at The Heritage House.

Joining Brig. Gen. Dana Born, to pay tribute to the cadets' remarkable achievement were senior leaders and their spouses from every major Academy mission element including: Lt. Gen. Michael Gould, Superintendent, Brig. Gen. Richard Clark, Commandant of Cadets, Dr. Hans Mueh, Athletic Director, Dr. Adis Vila, Chief Diversity Officer, and Col. Rich Fullerton, Vice Dean of the Faculty. Although unable to attend due to the weather, Colonel Mick Erdle USAF (Ret) and his wife Tamra, from the Academy Research and Development Institute (ARDI) served as sponsors for the evening.

The cadets recognized were the newest members of the Dean's Aces' List, signifying they received an A in every class last semester, including physical education. The term "Dean's Ace" stems from the definition of a cadet's academic success with the crowning achievement of a fighter pilot.

"The aim of the Dean's Aces' dinner is to recognize cadets who have truly distinguished themselves academically," General Born said. "The numbers speak for themselves as less than half of 1 percent of the 4,562 member Cadet Wing earned a 4.0 Grade Point Average. Just as importantly, these ca-

detes represent the Academy's "whole person" concept, as 10 Aces were also members of the Superintendent's List, 16 were members of the Commandant's List, and nine were members of the Athletic List."

Most impressively, Cadet 1st Class Eric Robinson achieved this distinction for the fifth time, becoming only the second cadet ever to do so. Cadet Robinson also serves as the captain of the men's varsity swim team and the fall semester Cadet Wing's Director of Academics. Five other cadets earned honors as Double Aces to include: Cadets 1st Class Ryan Campbell and Joseph Fry, Cadet 2nd Class Christopher Cassidy, and Cadets 3rd Class Matthew Kluckman and Kenneth Sample.

Asked for his thoughts about spending an evening with the Academy's senior leadership, Cadet 1st Class Kyle Yohe, who also serves as the parachute team squadron commander remarked, "It was great to spend a few hours around USAFA leadership and hear some of their stories. It really showed that the upper leadership is committed to cadet success."

Cadet 3rd Class Kevin Beauchemin, a first time Ace also enjoyed the evening at the Dean's residence.

"It was an incredible experience," he said. "Nobody had an easy time realizing this achievement, and reflecting on how much time and work we all put into it was very humbling to be recognized."

SPRING 2010 ACES LIST

Cadet 1st Class Ryan Campbell*
Cadet 1st Class Joseph Fry*
Cadet 1st Class McKay McLaren
Cadet 1st Class Eric Robinson**
Cadet 1st Class Kyle Yohe
Cadet 2nd Class David Adams
Cadet 2nd Class Nathan Betcher
Cadet 2nd Class Christopher Cassidy*
Cadet 3rd Class Kevin Beauchemin
Cadet 3rd Class Caleb Belden

Cadet 3rd Class Zebulon Hanley
Cadet 3rd Class Matthew Kluckman*
Cadet 3rd Class Alexander Sakovich
Cadet 3rd Class Kenneth Sample*
Cadet 3rd Class Jonathan Weed
Cadet 4th Class Daniel Hope
Cadet 4th Class Michael Kapolka
Cadet 4th Class Jonathan Lee
Cadet 4th Class Matthew Reilly

* Denotes 2nd time as ace
** Denotes 5th time as ace



Brig. Gen. Dana Born, Dean of Faculty, speaks with (left to right) Cadet 3rd Class Zebulon Hanley, Cadet 2nd Class David Adams and Cadet 2nd Class Nathan Betcher after they were recognized with 16 others for receiving a 4.0 GPA during the fall semester.

Urgent vs. important

by Lt. Col. Sara Beyer
375th Operations Support Squadron Commander

SCOTT AIR FORCE BASE, III. (AFNS)— I am a person who hates clutter. Anyone who walks in my office will be surprised at the lack of items on my desk. I do, however, continuously have one piece of paper visible. It is an old, yellowed copy of a base paper article from several years ago.

“It is far too easy in our quest to accomplish every task to 100 percent and take part in every opportunity, to tip the balance scales away from family and focus on work.”

Lt. Col. Sara Beyer

Unfortunately I don't remember where I got it anymore, but I owe the author, Col. Mark Blum, the 212th Field Artillery Brigade commander, a debt of gratitude. His article, "Important vs. Urgent," speaks to the importance of balance in your life. Defining the difference between those two words has been a source of guidance and reason to me on more than one occasion.

The word "important" has synonyms such as critical, significant, vital and essential. "Urgent" on the other hand is subtly different in its meaning: pressing, pleading, burning, demanding. Urgent appears important at the time, but does not have as long lasting consequences. If you pull back a layer, urgent has a lower priority than important.

Understanding this distinction can help juggling competing demands on your time.

Everyone in the military is busy. With reduced resources and personnel, it is easy to lose balance in one's life.

Maintaining an equilibrium between home commitments and work commitments is difficult. It is far too easy in our quest to accomplish every task to 100 percent and take part in every opportunity, to tip the balance scales away from family and focus on work.

This isn't to say there aren't times when the people at home aren't going to be put on the back burner. Our profession asks for sacrifices from us and our families constantly. However, don't make the default setting to be the family is second.

The decisions on priorities should be made consciously. That sounds simple, but it is deceptively easy to always choose the urgent work rather than the important event.

To make a conscious decision, a set of rules or guideline can be helpful. Colonel Blum identified three criteria for determining if an event is important.

1. It is important to someone who's important to you.
2. Your personal presence makes a difference; and
3. The opportunity is not going to come around again.

If those three conditions are satisfied, you have an idea what should be the priority.

The same event can be urgent and important at the same time. We deal with important projects constantly. Many of those projects, tasks and assignments have long-lasting implications and consequences. At the same time, there are instances when another, more personal, event may be of greater importance. A look at the three criteria helps to refocus on which events really need attention at that moment.

The point is to realize those instances when home life, or personal time, must take a priority. The point is to distill what is urgent now from what is truly important.

With those thoughts, I'm going to head off to my daughter's basketball game. Yes, there is urgent paperwork that still needs attention and the endless taskers won't stop, but this is her first game and she's starting, and she specifically asked me to come. Sounds pretty important to me.

ACADEMY SPIRIT

To responsibly inform and educate the Academy community and the public about the Air Force Academy

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Lt. Col. John Bryan — Director of Public Affairs
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What do you do to promote R-E-S-P-E-C-T ?

"Sometimes we forget that to really treat someone with respect is to care about them, and that is what I try to promote in my workplace."

Col. Timothy Ballard, inbound 10th Medical Group commander



"Realizing that there is strength in the differences between people and learning how to bring those in and embrace them for the benefit of all."

Cadet 1st Class Brendan Cleary,
Cadet Squadron 7



"Lead by example and give respect to others and that promotes respect toward all."

Cadet 2nd Class Lane Thaut,
CS22



"I treat people with mutual respect, but it goes beyond just saying it or doing it once. You have to show it every day."

Theresa Beasley, Sexual Assault Response Coordinator



Admissions

from Page 1

ber will climb to approximately 1,165 cadets, where it will remain. Normal attrition will have an effect as well. In comparison, this year's freshman class has about 1,285 cadets.

Discussing impacts on the cadet wing, Superintendent Lt. Gen. Mike Gould said: "It's tough on our admissions people; it's going to be tough on athletics. It's going to have an impact on diversity."

The planned cutbacks come on the heels of directives from Defense Secretary Robert Gates and members of Congress to trim the military budget and lower the number of people serving in the armed forces.

"Without additional measures, we could grow to 7,000 over our authorized end strength by the end of fiscal year 2012," Gen. Norton Schwartz, the Air Force's chief of staff, said last week. "Based on these projections, ... the secretary of the Air Force and I made the decision to intensify force management actions."

The expected aftermath of those force management actions cuts across a wide swath of the Air Force Academy's cadet-wing operations.

Academics and Cadet Life

With fewer spots available for incoming cadet classes, an already competitive process will become even more so.

Col. Carolyn Benyshek, the director of admissions, said her office will not change the way it evaluates applications or the criteria used in admissions decisions.

"We're going to keep our same standards, which are pretty high," Colonel Benyshek said. "I don't foresee that changing." The force management effort "simply means fewer qualified young men and women will get an opportunity to attend."

She also said the change will require the Academy to make appointment offers later than it has in previous years.

In addition, there will be implications for applicants who are admitted and complete Basic Cadet

“It's tough on our admissions people; it's going to be tough on athletics. It's going to have an impact on diversity.”



Lt. Gen. Mike Gould
Academy superintendent

Training. Smaller class sizes will create more opportunities for interaction between cadets and instructors. Cramped conditions in dormitories will be eased with less cadets assigned three to a room.

Faculty levels, hiring and research should remain unaffected by the force management actions, said Lt. Col. Robert Kraus, of the Dean of Faculty's Office. And because actual enrollment will be brought in line with budget projections, the Academy will be able to spend more per capita on the education of each cadet.

Diversity

Concerted efforts to make the Academy more diverse will continue as before, although those efforts may not show up in the statistics.

Leaders are determined to do their part to promote diversity in future incoming classes.

Dr. Adis Vila, the Academy's new chief diversity officer, said the Academy's Recruiting Directorate is spreading the word about the Academy and searching for young people who might be cadet material. A group within the directorate focuses on attracting candidates of diverse backgrounds.

"Our aspirations are to make USAFA more inclusive," Dr. Vila said. "And that means those at the

Academy, including cadets and permanent party — whether civilians, retired military or contractors — the Colorado Springs community, and all who share in this Academy. After all, the United States Air Force Academy is the Air Force's Academy and every taxpayer's Academy."

Athletics

Dr. Hans Mueh, the Air Force Academy's athletic director, said the impact of reduced class sizes on Falcon sports wouldn't be readily apparent. But he offered his best guess on a few points of concern.

First of all, he noted a direct link between enrollment and the ability to recruit athletes.

"At the D-1 level, recruiting is everything," Dr. Mueh said. "There is almost 100 percent correlation between recruiting and competitiveness."

"On the other hand, the Air Force Academy has certainly shown through the years that there is a great intangible called heart, which is tough to assess. We bring in athletes we believe will be the best Air Force officers we can produce and leave it up to the coaches and players themselves to develop them to a competitive level. I would submit that we've been pretty successful in that effort."

He also provided a breakdown of the numbers.

"In any incoming class of cadets, we have approximately 23 percent recruited athletes," Dr. Mueh said. "If you do the math for the expected incoming class of 2015, at 1,120 cadets, that gives us about 260 recruited athletes. We had been expecting to recruit about 300 cadets."

"We have allowed the five revenue sports — football, men's and women's basketball, hockey, and volleyball — to continue to fill the numbers they had been recruiting and will spread the reduction of 40 recruited athletes among the other 22 sports."

Dr. Mueh also said that spreading the smaller numbers across the athletic program is likely to minimize the impact of the enrollment reduction.

He added that the coaches have been "totally supportive of this directive from the Air Force" and that "the effect on competitiveness will be minimized."

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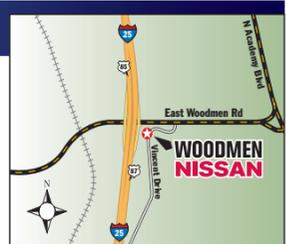


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Cadets, faculty recognized for research efforts

Staff Report

Air Force Academy Public Affairs

Power for interplanetary space travel, high altitude acclimatization and cutting through the fog of war were among the Academy research works honored Feb. 4 at the 2011 Academy Research Awards Ceremony.

Over the past decade, research at the Air Force Academy has grown by leaps and bounds.

"I've got to put this in a little bit of context," said Brig. Gen. Dana Born, Dean of the Faculty. "I've

been here almost 10 years, and many of you have been here longer. This particular ceremony used to be a very small, intimate affair with just a few professors. Ten years ago, we had \$10 million in external funding and six research centers. Today, we have a few hundred people here for the ceremony. We are receiving more than \$60 million in external funding, making us the number one undergraduate research university in the nation in terms of external funding, and we are home to 14 research centers and two Air Force institutes. Our staff and faculty are tackling real world challenges for real world customers and our Air Force."

But research isn't done for research's sake at the Academy. It must be a fundamental component to the academic side of the Academy's mission.

"Research is tightly coordinated and empirically validated with academic curriculum," said Dr. Mark Maybury, Chief Scientist of the Air Force and presenter at the awards ceremony. "Unfortunately, only four percent of Americans are scientists and engineers, yet they are the future rock stars of our economy whose innovation, research and inventions will allow America to meet the current and emerging global challenges."



AWARD WINNERS

Air Force Outstanding Cadet Researcher

The Air Force's top cadet researcher award went to 2nd Lt. Thomas Sukut, who is now attending graduate school at Rice University on a Draper Fellowship. The 2010 Academy graduate was cited as an outstanding astronautical engineering cadet, research and role model. As a cadet, Sukut wrote 500 lines of code to develop algorithms for the Air Force ground-based optical surveillance program for space situational awareness. The program uses ground-based signature measurements via the telescope facility at the Air Force Research Lab's Maui High Performance Computing Center. Upon his return to the academy, he quickly expanded the work, extended the lines of code to more than 1,300, and was called "the MacGyver of his class," by Col. Marty France, Permanent Professor and Head of the Department of Astronautics.

Thomas D. Moore Award for Outstanding Cadet Summer Research

This award is broken into three divisions: basic sciences, social sciences and engineering, with one overall winner.

The overall winner and engineering division winner of the Moore award is Cadet 1st Class Michael Trubilla. He developed a low-cost nuclear power option which uses readily available technology and radioactive isotopes to fuel interplanetary travel. His design can be demonstrated on a smaller scale via a small satellite, at a much lower cost than with a larger spacecraft. His work in melding thermodynamics and nuclear engineering for his nuclear power design led to a follow-on independent study to generate a conceptual design, which will be presented to the Space Experiments Review Board later this year.

The social sciences division winner of the Moore Award is Cadet 1st Class Chase Lane. He supported the Naval Postgraduate School's

Graduate School of Business and Public Policy where he analyzed and summarized the entire history of research conducted under the Acquisitions Research Program in order to provide a strategic view of the program's accomplishments. That meant reviewing 580 separate acquisitions research papers which spanned seven years to produce a database to allow a comprehensive analysis of the entire history of the program across multiple dimensions, as well as offering recommendations for managing the program more efficiently moving forward. His immediate supervisor stated that his work was equivalent to a master's level thesis but executed in only one-eighth the time.

The basic sciences winner of the Moore award is Cadet 1st Class Casey Hawkins for his chemistry research in explosives binders. In technical terms, he developed, researched and executed a project overcoming problems in the fabrication of fluorinated polymers, enabling investigation of fluoropolymers as alternative oxidizers in explosive formulations. Once the project was finished, Cadet Hawkins briefed the results to AFRL, the project's sponsor, and successfully defended his explosive binder research to a seasoned group of technical experts. This led AFRL to fund follow-on research of this project for the next three years.

Seiler Award for basic sciences

The Frank J. Seiler Award for Faculty Research Excellence for basic sciences was awarded to Lt. Col. Michael Brothers.

Colonel Brothers of the Athletic Department's Human Performance Laboratory, has extensively studied how well people acclimate to high altitude for Air Force Special Operations Command. He led three major research efforts, leading a team of two dozen cadet and graduate research assistants to manage 6,000 hours of contact with 100 cadet volunteers over a year's time. His team

took cadet volunteers who came to the Academy for basic training after living at sea-level and at high altitudes, and measured the changes in their blood's hemoglobin mass to determine how quickly their bodies were adjusting to the Academy's thin air, and how quickly that acclimatization could be lost by a short stay at sea-level.

Seiler Award for engineering

The Seiler award for engineering went to Dr. Daniel Jensen, of the Department of Engineering Mechanics. Dr. Jensen's latest work has been crafting a new variety of unmanned vehicles, known as micro air vehicles, and has utilized his theory of transformational design in the process. Transformational design is a suite of concept generation techniques used to produce additional options and solutions to foster greater innovation to solve a given engineering problem. Dr. Jensen's techniques are now being used by more than a dozen major universities to enhance their engineering education, and used by Doctor Jensen to pursue his work in Micro Air Vehicles.

By their name, micro air vehicles are intended to be smaller than current unmanned vehicles and are a leap ahead in unmanned vehicle concepts. The AFRL and several other agencies are looking into MAV possibilities, and have called upon the Academy's research prowess to turn these ideas into working systems. For example, some of these MAVs take design aspects from nature to create a hybrid MAV which mimics the characteristics of a small bird.

McDermott Award

The McDermott Award for Faculty Research Excellence in Humanities and Social Sciences went to Dr. R. Jeffrey Jackson of the Department of Behavioral Sciences & Leadership, who accepted the award with a vocal cadet cheering section offering their support.

Doctor Jackson had seven peer-re-

viewed articles published in the last year, gave five presentations at peer-reviewed venues to national and international audiences.

IITA Research Award for 2010

The Institute for Information Technology Applications research award was presented for innovation in visually enhanced decision-making for two projects: Warfighter's Edge and the Joint Installation Picture for Command and Control. The team of Lt. Col. Andy Berry, Lt. Col. Nick Volpe, Tim Beerman, Joe Pasqualini and Robert Stansauk provide commanders a way to cut through the fog of war with these two programs which allow unparalleled situational awareness to operational commanders. The programs are stand-alone customized net-centric three-dimensional Google Earth applications that leverage and integrate geospatial and dynamic geo-referenced data to create a real time-common operating picture. These programs have been deployed to active duty Air Force and Air National Guard locations.

Linhard Outstanding INSS Researcher Award

This year's INSS Linhard Award was presented to Dr. Stephen F. Burgess, Department of International Security at the Air War College, for his work on emerging and enduring security issues in Africa and South Asia. This insightful work covers a series of significant and timely strategic topics, including issues of nuclear cooperation and critical environmental security and sustainability issues.

INSS Outstanding USAFA Researcher

The Institute for National Strategic Studies Outstanding Academy Researcher award went to Dr. Damon Coletta of the Department of Political Science, for his work on "Science, Technology, and the Quest for International Influence." This work details the importance of maintaining leadership in basic science as key to America's soft power and our ability to retain influence in the international community.



Scouts learn cool science

Daisy and Brownie Girl Scouts from throughout the Front Range participated in the Cool Science Chemistry and Engineering Workshop Saturday in the Department of Chemistry. Over 30 Girl Scouts engaged in a variety of hands-on activities, including the building of aluminum boats, dissecting a diaper, making plastic "boogers," and learning the types of things that control chemical reactions.

The scouts had the opportunity to be real scientists and engineers by trying different experiments. All activities were set up and led by women cadet volunteers. At the end of the day, the girls saw a chemistry magic show. The workshop is part of the Academy's effort to get kids in the Pikes Peak region interested in science, technology, engineering, and mathematics, or STEM.

TOP: Cadet 1st Class Jennie Wood leads Girl Scouts (left to right) Kaci Herron, Marianna Herron and Abby Schreuder in a chemistry experiment during the Cool Science Chemistry and Engineering Workshop Saturday in the Department of Chemistry.

FAR LEFT: Sarah Hinton combines liquids during her experiment. She and other Girl Scouts were learning about the types of things that control chemical reactions.

LEFT: Cadet 1st Class Yasmin Sarmiento helps Girl Scouts with their safety equipment before their experiments during their visit to the Chemistry Department.

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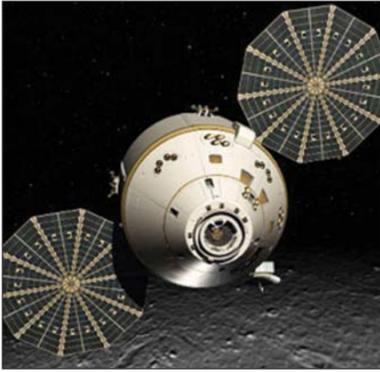
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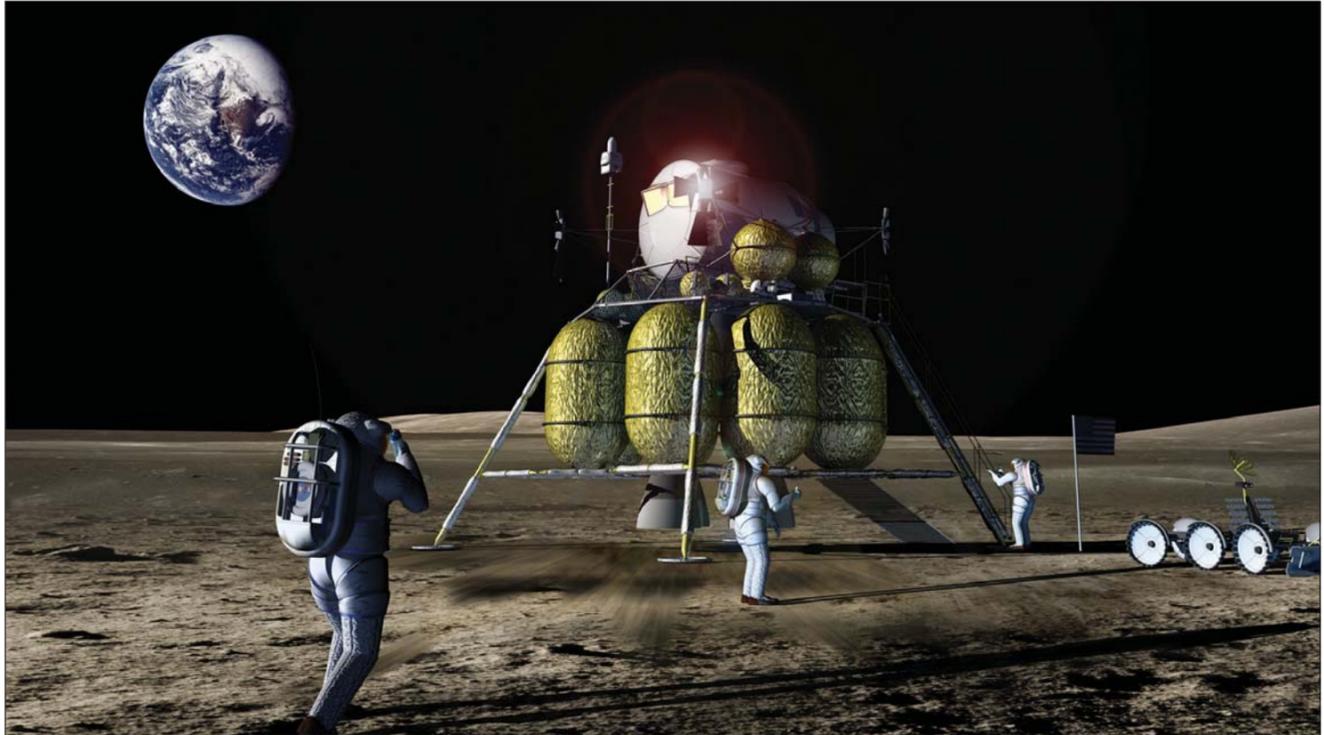
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The Academy has partnered with NASA on research for more than 15 years. The Aeronautics Department recently established a \$200,000, five-year project order, allowing cadets continued research on NASA projects like the Orion Crew Exploration Vehicle.

ILLUSTRATIONS COURTESY OF NASA



NASA seeks Academy's aeronautics knowhow

By Julie Imada
Academy research publicist

How many undergraduates can say they have briefed NASA on critical design needs for the next generation of America's manned space vehicles? Better yet, how many can say NASA agreed with their research and made critical design and safety-of-flight changes? The answer can be found in the wind tunnels and labs of the U.S. Air Force Academy's Aeronautics Department.

Dr. Tom Yechout, a professor of Aeronautics at USAFA, has led an undergraduate cadet research partnership with NASA for more than 15 years. The department established a \$200,000, five-year project order in 2010 that will allow cadets to continue their research on various NASA projects such as the Orion Crew Exploration Vehicle.

"NASA's commitment to continued support of our research efforts indicates NASA's confidence in the work we have accomplished for NASA over the past decade," Dr. Yechout said of the new joint-research effort.

NASA's future space exploration program has been in question for quite some time. Amid budget cuts and the soon-to-end shuttle program, NASA decided to look to future space and aeronautics professionals for help in designing the next-generation manned space program vehicle. That need, coupled with a long-time successful track record of cadet-led NASA research,

brought them back to the Academy.

In the past, cadets have worked in teams with faculty researchers like Dr. Yechout on a variety of NASA projects including the X-38 Crew Return Vehicle. Cadets also analyzed the effects of leading-edge damage on the orbiter's wings in the return-to-flight effort after the Columbia shuttle disaster in 2003.

Once the last shuttle mission ends, the Crew Exploration Vehicle research conducted by cadets will directly support NASA's space mission. Other NASA projects cadets have worked on include the research and identification of the CEV's shape, the launch abort tower that allows the crew module to separate from the rocket in the event of an emergency shortly after liftoff, and the entire parachute-recovery system. Cadets have also mapped the wake of the parachute recovery system during the re-entry of the CEV to include parachute performance issues and determination of separation characteristics for the bake-cover.

Second Lts. Darren Montes and TJ West, two Class of 2010 graduates, won the American Institute of Aeronautics and Astronautics International Student Competition in August for their work on the parachute-recovery system. Their technical paper and presentation, "Experimental Aerodynamic Investigation of NASA Orion Forward Bay Modifications," addressed research performed in the Aeronautics Department's Subsonic Wind Tunnel. NASA has used these findings to rethink

some of its operations and driving design changes to the CEV.

It was the fifth time since the NASA partnership began that related research was so honored at this industry competition that attracts student researchers from the likes of MIT and Purdue, as well as teams from as far away as Australia and Europe. The competition and the NASA work have also become a springboard for cadets to pursue advanced degrees after graduation: Lieutenant West is now pursuing a master's degree in aeronautical engineering at the University of Washington, and Lieutenant Montes is pursuing the same degree at Rice University.

"Our cadets are producing reliable, timely and accurate data that is firmly supported by scientific research, testing and facts," said Col. Neal Barlow, the Aeronautics Department head. "Our cadets' level of success is indicative that we are doing a unique job of integrating real-world research and education."

"This is a wonderful opportunity for cadets to become directly involved in the future of America's space program – the research we are doing here is having direct impacts into the design and development of our future vehicles," Dr. Yechout added. "It's a testimony to the excellent effort that cadets have accomplished over 15 years to build that confidence with NASA's Johnson Space Center. NASA really provides an opportunity to them to realize our core value of excellence in all we do."



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Academy kicks off AFAF drive

By David Edwards
Academy Spirit Staff Writer

The annual Air Force Academy fund drive to fill the coffers of the Air Force Assistance Fund kicked off Monday.

Academy personnel gathered for an overview that was part presentation and part inspiration, and was designed to drum up support for “the Air Force’s charity.”

Before feasting on chicken wings, sweet-and-sour meatballs, jalapeno poppers and other items in the food assortment, the audience was dished up some food for thought.

“If you don’t know someone who has benefited from the Air Force Assistance Fund, you will,” said Col. Tamra Rank, the Academy vice superintendent. “A very small offering on our part will really help someone else.”

Then Command Chief Master Sgt. Todd Salzman took the floor.

“This is the ultimate wingman,” he said. “This isn’t just a gift; this is help. A lot of our veterans are dying



Academy personnel gather for the Academy’s annual campaign for the Air Force Assistance Fund Monday. The Air Force Assistance Fund consists of four entities: the Air Force Aid Society, the Air Force Enlisted Village, the Air Force Village and the LeMay Foundation.

PHOTO BY JOHNNY WILSON

and leaving their wives on the street. And it’s not on purpose.”

He added that “this isn’t some other charity. This is ours.”

The Air Force Assistance Fund consists of four entities: the Air Force Aid Society, the Air Force Enlisted Village, the Air Force Village and the LeMay Foundation. No matter which one benefits from contributions, the money supports Airmen or their families. The slogan is Airmen helping Airmen.

Maj. Michelle Nash, one of the two installation project officers, said the Academy accounts for 1.3 percent of the overall Air Force goal. For this year, the Academy’s target amount is \$82,255 the Air Force

goal is \$6.36 million.

Major Nash said the Academy has “a strong past of giving” to the fund, noting that last year’s donations exceeded the goal by 93 percent and the previous year’s by more than double.

An important consideration, she said, is that the four organizations that make up the AFAF fund are not included in the Combined Federal Campaign “because they provide services exclusively to the military and deny service to the general public.”

“These organizations rely on AFAF contributions to continue their support of military members and their families,” Major Nash said. “In essence, AFAF exists to support these four charitable organizations.”

Contribution forms allow donors to indicate which of the four organizations they would like to receive their donation.

Academy personnel who wish to donate should contact their local AFAF key worker or their unit project officer. Anyone who needs help identifying and locating those people can call Major Nash at 333-3188 or Senior Master Sgt. Spenger Zamy at 333-5569.

Organizers of the fund drive emphasize that donations to the fund are a gift that can give back. As an AFAF brochure states, “And one day, should you or your family need us, an AFAF affiliate will be there for you because the Air Force takes care of our own.”

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National Character & Leadership Symposium 2011

Strength Within, Leadership Throughout

The 18th annual National Character and Leadership Symposium, featuring 33 guest speakers and several panel discussions, will be held at the Academy Feb. 23-25.

NCLS is one of the premier national symposiums in the area of character development and brings together cadets, faculty, student delegates from colleges and universities across the country, and community participants.

This two-day event provides cadets and others an opportunity to learn from leaders of character from all walks of life. Speakers of diverse backgrounds will cover topics ranging from winning the Medal of Honor to the experiences of wounded warriors and respecting cultural and religious differences, accord-

ing to Maj. Tom Jost, NCLS program director.

Some changes came to NCLS this year. Cadets and all participants have the ability to select the individual speakers they are interested in hearing, allowing everyone to shape their experience. Break-out discussion sessions, called consortiums, will now bring together all attendees and cadets with the goal of facilitating a richer dialogue and discussion.

Another change came in the form of the NCLS cadet staff.

"The cadets took on greater leadership roles in the planning and execution of the symposium than ever before," Major Jost said. "Our staff empowered them to make NCLS their own this year. I've seen a complete transformation in these cadets as leaders."

This year's event is sponsored by the Center for Character and Leadership Development, along with the AOG, and the USAFA class of '73.

More information can be found at www.ncls2011.net.



Cadet 1st Class Lauren Allison CS35
NCLS Cadet in Charge

"It has been a great opportunity to serve as the Cadet in Charge of NCLS 2011. Since August, I have been in the Center for Character and Leadership Development at least twice a week working with permanent party and my team of CICs to make NCLS 2011 the best symposium the visiting students and cadets have seen.

This year, permanent party has made it a goal to step back and give cadets more responsibility than they have in the past. This gives me and the other cadets a chance to make a greater impact on NCLS.

I worked with our cadet wing staff to get cadets excited about NCLS. They worked with Mitchell Hall to get cadet-favorite meals during the symposium and squadron parties on the night it starts.

I learned that things are not always going to work out how you want them to, but you have to keep a positive attitude and be ready to find another solution."

"I really believe this year's NCLS will be the best I have yet to attend. For the first time cadets get to choose their speakers instead of having to go to whichever venue they were assigned. It is a great opportunity for cadets to be more engaged with these amazing leaders.

Last year I was only a student escort and did not really see all that went into creating this conference. But this year I see how intimately involved cadets are with the decision making process, deciding to implement new break-out sessions at the end of the conference and the ability of cadets to select their own speakers. There are a lot of people working hard, giving their time to this project and it is awesome to be a part of it. It has been one of the best leadership experiences I have had since coming to the Academy.

There is still a lot to be done but I can already see everything coming together to create an exciting experience for members of the community, students from other schools, and of course the cadet wing."

Cadet 2nd Class Kate Lyons, CS 21
NCLS Support Team NCOIC



Cadet 1st Class Krystal Glover, CS21
NCLS Support Team CIC

"My team has done an amazing job at working together to meet their deadlines. From the start of the program, they have been eager to learn and execute their jobs. This year, cadets have more responsibility, and the NCLS Support CICs have worked hard to set the standard for years to come.

I am surprised how much time and energy everyone on my staff has volunteered for no particular gain other than to see NCLS do well.

I am very proud to see all of their hard work paying off! NCLS will be amazing this year! All of the innovative ideas, like letting cadets pick their own speakers and giving cadets more responsibility to decide how to run NCLS, will surely make this year a very rewarding experience. I hope that all of our hard work will make NCLS a motivating experience for all who attend!"



NCLS has been a great learning experience for me. This year I am the PA/Publicity CIC. This job taught me more than I expected about how to communicate. I am in charge of a team of eight cadets and I have cadets in charge of me. I also work with the PA officer at the Academy and the officer in charge of NCLS.

Initially I thought, I had plenty of help and this was going to be easy. However, once videos needed to be made, speaker bios had to be organized, squadron commanders had to be notified, posters needed to be created and put up, and all sorts of announcements were needed, I realized all the details that go into just a small piece of a program. Over time, I learned how to communicate with my NCOs, team members and those above me in an efficient way that made my job doable. I also gained an appreciation for each CIC position and how they contributed to the whole system. NCLS is not only an amazing way for the cadet wing to learn about leaders, the production of the program itself creates leaders."

Cadet 1st Class Alexis Tamosuinas, CS39
NCLS PA/Publicity CIC



Air Force loses to No. 7 BYU, 90-52

(AP)

Not even a banged up knee, a physically swarming defense and a raucous capacity crowd could stop Jimmer Fredette.

Fredette, the nation's leading scorer, had 25 points despite suffering a bruised right knee and the No. 7 Cougars used runs of 16-0 and 14-0 to cruise past Air Force 90-52 Wednesday night.

Air Force swarmed Fredette with pesky double teams the entire game, but it was not enough. Fredette reached the 20-point mark for the 10th straight game in leading the Cougars (23-2, 9-1 Mountain West) to their 12th consecutive victory over the Falcons (13-10, 4-6).

"Their game plan was to be very, very, very, very physical with me," Fredette said. "That's probably the most aggressive I've been played. I was still able to get some shots off, and my outside shot was going a little bit. It was a little frustrating, but our team just played great in general. We had a great win."

The senior bruised his knee late in the first half after colliding with Falcons defenders in the lane. He said after the game that, while it was sore for the remainder of the game, the knee should be fine after some ice treatment.

Fredette said he thought roughly half of the 6,028 in attendance were cheering for him and his Cougars.

"That's great support, and we love that," Fredette said. "There were a lot of fans, and I didn't realize there were going to be that many. There was a great crowd for both teams, and it was a lot of fun."

Fredette led four BYU players in double digits, with Jackson Emery adding 17, Brandon Davies 13 and Stephen Rogers 11. BYU's offense was clicking on all cylinders, with the Cougars shooting 57.9 percent from the field and hitting 15 of 30 3-point attempts.

The defense was perhaps even better, holding the Falcons to 34.5 percent shooting and a season low for points.

That effort pleased coach Dave Rose.

"The key to tonight was defense," Rose said. "I was really pleased with the effort of our guys. That second half might have been as good (a half) of basketball as we've played. Defensively in the second half, I thought our zone was as active as it's been in a long time."

After Air Force cut the BYU lead to 36-27 on an Evan Washington dunk to start the second half, the Cougars scored the next 14 points.

"They can't shoot the ball better than they did tonight," Air Force coach Jeff Reynolds said of BYU. "They made a lot of open shots and contested shots in the second half, and we couldn't do anything against their zone. When they shoot the ball like that, they will beat a lot of teams. Unfortunately, tonight it was us."

Tom Fow and Michael Lyons led the Falcons with 11 points apiece.

BYU blew open a 15-12 game with a 16-0 run early in the first half, holding Air Force scoreless for 7:51. The Falcons fought back with an 11-0 run to cut the lead to 31-23 with 2:13 remaining, but Fredette scored five straight points to give the Cougars a 36-25 halftime lead.

The game was a sloppy affair, with the teams combining for 30 turnovers. BYU used 24 assists on its 33 baskets and scored 26 points off turnovers. The Cougars also won the rebounding battle, 41-26.

BYU was the highest-ranked team Air Force has hosted since then-No. 4 Utah visited Clune Arena on Jan. 22, 1998.



TOP: Falcon Taylor Broekhuis makes his way around BYU's Brandon Davies during Wednesday night's game.

FAR LEFT: Falcon guard Evan Washington looks for an open man.

LEFT: Air Force's Todd Fletcher shoots the ball against BYU star Jimmer Fredette. Fletcher played despite a sore shoulder.



PHOTOS BY BILL EVANS

Falcons fall to Utah at home

Dymond James notches her fifth double-double of the year

Sophomore Dymond James notched her fifth double-double of the year, but the Air Force women's basketball team was unable to get past the visiting Utes, dropping a 55-40 contest to Utah Saturday afternoon in Clune Arena.

With the loss, the Falcons fall to 7-15 overall on the season and 2-7 in the MWC, while the Utes improve to 12-11, 5-4 in the league.

While both teams shot poorly from the field, particularly in the first half, Utah was able to grab a 25-21 lead at the intermission. The Falcons came out strong to open the second period, outscoring the Utes 8-2 in the first four minutes of action to grab a 29-27 lead. However, Utah's Iwalani Rodrigues went on a 12-0 run which included three consecutive three-pointers, to put the Utes ahead for good.

Air Force, which never got closer than four points the rest of the way, was hurt by poor shooting from the charity stripe, knocking down just 11-of-19 (.579) of its attempts from the free throw line. The Falcons were also hampered by their inability to keep the Utes off the boards, giving up 19 second-chance points to Utah.

James was the only player in double figures for Air Force, finishing with 15 points and 11 rebounds. Meanwhile Rodrigues and Michelle Plouffe led Utah with 20 points each.

Wednesday evening the Falcons lost to first place BYU on the road with the score of 78-51. Next, they will host UNLV at home Wednesday, Feb. 16 at 7 p.m.



Sophomore Dymond James goes in for the basket against Utah Saturday afternoon at Clune Arena. She was the only player in double figures for Air Force, finishing with 15 points and 11 rebounds for her first double-double of the year. The Falcons fall to 7-15 overall on the season and 2-7 in the MWC.

MIKE KAPLAN

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	A E R I E M A L T E D	1 5 9 3 4 7 2 6 8
	D E M O S S A I L O R S	3 2 7 8 9 6 5 1 4
	S E M E S T E R S	8 4 6 7 3 5 1 9 2
	J A M W A C H N Y	5 1 2 6 8 9 3 4 7
	R E G I M E N T S	9 7 3 1 2 4 8 5 6
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AD gets through loser's bracket to take intramural title



MIKE KAPLAN

Tech. Sgt. Mike Davis, 10th Medical Group #1, drives in for the layup against Capt. Overton Spence, Athletic Department, during the intramural basketball championships Feb. 3 at the Fitness Center. The Athletic Department worked its way through the loser's bracket to make it to the championships where they defeated the Medics twice to take the title.

The Athletic Department came through the losers bracket to defeat the number one seed, Medical Group #1, winning 51-43 in the championship game and 60-53 in the "if" game to claim the intramural basketball championship Feb.3 at the Fitness Center.

Tom Bellairs, former Air Force player who scored a team high 16 points, hit four free throws in the closing minutes to help secure the victory in the championship game forcing a winner-take-all game.

Following a five-minute break, both teams took to the court for a second game. The AD scored the first four points of the game, then medics guard Jarrod Gates hit a three and two jumpers taking an early 7-4 lead.

Medics teammates Mike Davis and Grant Parker, another former Falcon, gave the Med Group the biggest lead as they both scored nine points to take a 13-8 lead. However, the AD came back with their duo of Tom Bellairs and Matt Swearingen scoring the next 11 points tying the score at 19 apiece. Nick Charles hit two free throws and the athletic department would never look back as they took a six point lead into the half with a score of 34-28.

At the start of the second half,

Bellairs, who had 16 first half points, hit a three pushing the AD lead to nine. Later Bellairs picked up his fourth foul and was on the bench when the Med Group's combination of Mike Davis, Derrick Parker and Terrence Tyler all scored and went on an 11-3 run taking a short lived lead of 45-43. A Swearingen bucket on a fast break pass from Bellairs put the AD up 49-48 and from there wouldn't give up the lead. Another bucket by Swearingen and two free throws from Overton Spence pushed the lead to five at 53-48. Seconds later Grant Parker hit a long three closing the gap to 53-51.

With less than two minutes left in the game, Bellairs hit another bucket. Bellairs and Spence later scored three points on free throws which iced the game for the AD with a final score 60-53.

Leading the AD in scoring was Bellairs with 23 points. Teammate Greg Swearingen followed up with 11 points. Leading the Med Group was Davis with 14 points and Thompson with 11.

Fort Carson will be hosting the Rocky Mt. Basketball Championships on March 18-19. Terrence Tyler will be coaching the USAFA team to compete against the likes of Peterson, Schriever and Buckley AFBs.

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Air Force hosts Niagara in two-game AHA series

Air Force (11-10-6 overall, 9-6-6 in AHA) hosts the Niagara Purple Eagles (15-10-3, 12-8-1 in AHA) for a two-game AHA series, Friday and Saturday at 7:05 p.m. MT each night at Cadet Ice Arena. The Falcons are in fourth place in the AHA with 24 points, one point behind third-place Niagara who has 25.

Radio/Internet: The games will be broadcast in Colorado Springs on The Sports Animal AM 1300 and on the internet at www.GoAirForceFalcons.com. Pregame show begins 30 minutes before faceoff. Jay Ritchie will call the play-by-play while Dave Toller will be the color analyst. Both games will be video streamed with audio by America One Television. Subscriptions can be purchased at www.americaone.com/college. Live stats will be available for all home games at www.GoAirForceFalcons.com and clicking Gametracker.

Scouting the Niagara Purple Eagles:

Niagara is going through its roughest stretch of the season. The Purple Eagles were swept last weekend by Mercyhurst and are 0-3-1 in the last four. Prior to the current stretch, Niagara was 14-4 during an 18-game span from Nov. 2-Jan. 22. One of those four losses was to Air Force. Niagara is 7-5-1 on the road this season, including wins at Colgate, Northeastern, Army and Canisius. Senior forward Paul Zanette leads the team and is tied for the national lead with 23 goals. He is also fourth in the nation with 42 points. Senior forward Bryan Haczyk has 22 goals (fourth in the nation) and 37 points (13th in the nation) The Purple Eagles have used four different goaltenders this season. Chris Noonan and Cody Campbell have split time recently. Noonan has a 6-3-1 record with a 3.11 GAA and a .898 saves percentage. Campbell has a 3-3-1 record with a 3.02 GAA and a .899 saves percentage.



JOHNNY WILSON

Freshman goalie Jason Torf and the fourth place Falcons take on third place Niagara in a two-game series tonight and Saturday at 7:05 p.m. in the Clune Arena.

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Air Force Ball

Tickets are now on sale for the Air Force Ball, scheduled for Feb. 18 at the Broadmoor Hotel in Colorado Springs.

Admission prices per person are as follows:

E-1 to E-3, GS-3 to GS-4 and cadets: \$25

E-4 to E-6 and GS-5: \$35

E-7 to E-9, O-1 to O-3 and GS-6 to GS-11: \$50

O-4 to O-5 and GS-12 to GS-14: \$75

All others: \$100

Parking is an additional \$8.

To purchase tickets, contact Capt. Uriah Tobey at 333-7994.

Award nominees sought

The Academy is seeking nominations for the 2011 Air Force Academy Distinguished Service Award, which the superintendent will present to a servicemember, civilian or group whose contributions outside of their official duties had a positive

effect on the Academy.

Nominations must be submitted no later than April 1 to: HQ USAFA/CMA, 2304 Cadet Drive Suite 3200, USAF Academy, CO 80840-5002. Packages should include a single page with biographical data, including name, rank (if military), organization or company, telephone number and mailing address, and a typed narrative less than a page in length describing the nominee's accomplishments.

Black History Month events

Basketball clinic - Saturday, 10 a.m. to noon

Saturday, 10 a.m. to noon.

The Fitness Center will hold a children's basketball clinic hosted by former Boston Celtic Nevil Shed. Registration continues through the date of the event or until all 100 opening are filled. Grade groups still available include 3rd-4th grade (Co-ed), 5th-6th grade (Co-ed) and 7th-8th grade (Girls only). Register by phone at 333-4522.

Mr. Shed will be available for autographs following the clinic at the Main Exchange from 1-2 p.m.

Health fair

Thursday, 11 a.m. to 1 p.m.

The 10th Medical Group Clinic will hold a health fair to discuss diabetes, obesity, cancer, HIV/AIDS and cardiovascular and related diseases. The primary care clinics, Health and Wellness Center, Airmen and Family Readiness Flight, TriCare, Veterans Administration and Colorado Department of Public Health will be presenters.

Call the clinic at 333-5111.

Silent Auction

Feb. 18, 5-7:30 p.m.

The Douglass Valley Elementary School PTO will hold a silent auction and art show. Items up for auction will include balloon rides, rafting and rock climbing trips, gift cards and baskets. Dessert will be served during the event. For more information, contact Jessica Walker at 472-8554.

Blood Drive

Today, 10 a.m. to 2 p.m.

Mended Little Hearts of Colorado Springs is partnering with the 10th Air Base Wing, Memorial Hospital, St. Francis-Penrose Hospital and the Gazette to sponsor the largest blood drive in the history of Colorado Springs at the 10th Medical Group lower west parking lot. All blood types are needed.

Volunteer call

Honor Guard: The Academy Honor Guard needs officer and enlisted volunteers who can support two details per month for one year and who can attend training every other Wednesday from 1 to 4 p.m.

Contact Janet Edwards at 333-3323 or Staff Sgt. Hugo Reinor at 333-5621.

Help Wanted

The Academy Spouses' Club Thrift Shop has two job openings available for the positions of Thrift Shop Manager and Bookkeeper. Resumes may be submitted in person at the Thrift

Shop, or via e-mail at usafasc@live.com. All resumes must be received by Feb. 18, 2011.

Applicants must have basic computer knowledge and excellent customer service skills. Experience with the ConsignPro program is helpful, but not required. Hours for manager position are Tuesdays, Wednesdays, Fridays, and the first Saturday of each month, from 9:00am to 3:00pm. Hours for the bookkeeper position vary from 10-15 per month.

All military/DOD ID card holders are eligible to apply. The Thrift Shop Manager is an employee of the Academy Spouses' Club, a non-profit organization. It is neither directed nor endorsed by the U.S. government, the DOD or the Department of the Air Force.

USAFA's Got Talent

The 10th Force Support Squadron is offering prizes, including a weekend getaway at Rocky Mountain Blue, to customers who regularly visit 10th FSS facilities here.

To enter the "USAFA's Got Talent" drawing, pick up a card at any 10th FSS facility and write your name and phone number or e-mail address on the card. Every time you visit a 10th FSS facility, have someone stamp the back of the card.

When the card is completely filled out, drop it into a drop box to enter the drawing.

In addition to the weekend getaway at Rocky Mountain Blue, other prizes include a VIP weekend stay at the Academy, a one-night stay at the Farish Recreation Area or a family fun

package comprising bowling, horseback riding and golf.

For more information, go to www.usafaservices.com and click on "USAFA's Got Talent."

Pharmacy closure

The Community Center pharmacy will modify its operations Feb. 18 through March 4 to remodel. The pharmacy will remain open for pickup of prescriptions filled before the closure and refills made by phone or on TriCare's website.

You may take new prescriptions to the main pharmacy.

Fitness Center events

For information on these or other events at the Fitness and Sports Center, contact Dave Castilla at 333-4522.

Intramural Volleyball League - The league is open to everyone at the Air Force Academy. Games are held weekdays at 5:30, 6:20 and 7:10 p.m.

Valentine's Day offerings

Several 10th Force Support Squadron agencies will hold events celebrating Valentine's Day.

The Bowling Center will offer a Valentine's Day special Saturday followed by a dinner at the Falcon Club and specials at the Eisenhower Golf Course Monday.

Construction

One eastbound lane on the North Gate bridge will close periodically through May 1 while workers repair the bridge.



Cadet Chapel

BUDDHIST

Sundays: 10 a.m.

Thursdays: 6:20 p.m.

PROTESTANT WORSHIP

Traditional: Sundays, 9 a.m.

Contemporary: Sundays, 11 a.m.

CATHOLIC WORSHIP

Mass: Sundays, 10-11 a.m.;

Mondays, 5:45-6:15 a.m.;

Tuesdays-Thursdays, 7-7:30 p.m.

Confession and Adoration:

Wednesdays, 6-7 p.m.

Holy Days of Obligation: 7 p.m.

JEWISH WORSHIP

Shabbath: Fridays, 7 p.m.

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Monday-Saturday: 9 a.m.-5 p.m.

Sunday: 1-5 p.m.

Service times are subject to change without notice due to mission requirements. Please call 719-333-2636/4515 for more information.

Community Center Chapel

CATHOLIC WORSHIP

Mass: Saturdays, 4 p.m.; Sundays,

9 a.m.; Tuesdays-Fridays, 11:30 a.m.

Reconciliation: Saturdays, 3:30 p.m.

Religious formation: Sunday, 10:15 a.m.

September-May

PROTESTANT WORSHIP

Wednesday Night Live: 6 p.m.

Dinner followed by Religious Education

September-May

Evangelical: Sunday, 10:15 a.m.

Gospel: Sunday, 11:30 a.m.

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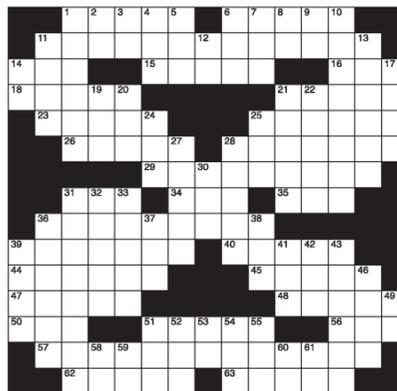
- CLUES ACROSS**
- Cut into small pieces
 - 1965 Nobel biologist
 - Chinese take out dessert
 - ___ Farrow, actress
 - ASPCA founder Henry
 - Scientific research workplace
 - Pimpled
 - S. African river
 - Eagle's lofty nest

- CLUES DOWN**
- Groaned
 - Atomic #77
 - New Testament
 - Young bear
 - Point midway between NE and E
 - Microgram
 - Aah
 - Negative response
 - Exclamation, All Right!
 - Wasting time
 - Payroll tax
 - Trauma center
 - Food consumers
 - One thousandth of an ampere
 - Offers of a price
 - Before
 - Not bright

- Coverted grain in brewing
- Trial runs (abbr.)
- Navy men
- School terms
- Fruit preserve
- Female soldier in WWII

- Honey (abbr.)
- Makes systematic
- Exerted caution
- So. African Music Awards
- Football team number
- Bo ____, "10"

- Makes angry
- Hare-like rodents of the pampas
- Command right
- An unfledged pigeon
- Very high frequency
- Act of breaking into bits
- Sam ____, US golfer
- Female servants



- Floating ice mountain
- 13th Hebrew letter
- Macaws
- Control systems
- Hermann ____, futurist
- Left heart there
- Senior officer
- Which was to be demonstrated
- Boutros' group
- Banking machine
- The cry made by sheep
- A before a vowel
- Owner of NBC
- 7th tone
- Potato state

- Speaks, archaic
- Barkin: actress
- Winged goddess of the dawn
- More (Spanish)
- Stitched clothing
- Factions
- Adult male
- Tiffany and Kay
- Tequila plant
- Bogs
- Easing of a burden
- Plural of 30 down
- Feeling sorrow

SUDOKU

2	8				4				
	3								
	9		4				8		
		8		5	1				
	5			4		2			
		7							
	4		7		5		9		
					8	9	3		
		3						6	

Level: Intermediate

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Solution on page 10

02-11-11

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