The Air Force Academy is the "place to be" for fun and fireworks in the Colorado Springs area Sunday as the Academy celebrates the United States' 234th birthday at the athletic fields here.

The celebration will start at 4 p.m., with food, games, vendors and static displays, followed by a performance by the Colorado Springs Philharmonic from 6:30 to 7:45 p.m. and the Air Force Academy Band from 8:15 to 9:30 p.m. Fireworks will start at 9:30 p.m.

The event is free and open to the public. To reach the athletic fields, take Exit 156B from Interstate 25. Once you are on base, head straight on Academy Drive. The athletic fields are on the left, about ¼ mile past the overpasses.

"We are bringing the fireworks show back to Colorado Springs," the Academy Band's Master Sgt. Steven Przyzycki said in an interview with the Gazette June 25. Colorado Springs canceled its fireworks celebrations this year and last year due to budget constraints.

Visitors may bring cameras, lawn chairs, blankets, umbrellas and sealed plastic water bottles. Not allowed are coolers, barbecue grills, pets other than working service dogs. Visitors also may not bring their own fireworks.

To accommodate the increased traffic Sunday, everyone entering the North Gate after 4 p.m. will be directed to the athletic fields and required to park there, according to 10th Security Forces Squadron officials. Academy personnel who need to reach the Community Center, base housing and other areas on the Academy must enter and exit through the South Gate and turn left onto Pine Drive at the tri-intersection of Stadium and South Gate boulevards and Pine Drive to avoid expected traffic delays on Stadium Boulevard.

Base housing residents and military ID cardholders may park in the upper Harmon Hall parking lot and at the Visitor Center to watch the fireworks show. Personnel entering the base through the South Gate should immediately move into the left lane of traffic to avoid possible congestion at the tri-intersection. Community Center Drive, Academy Drive and Parade Loop will be blocked west of Stadium Boulevard.

Transportation from Falcon Stadium to the fireworks show will be available for housing residents, military ID cardholders and visitors entering through the South Gate. To reach the Falcon Stadium parking areas from the Pine Drive ECP, follow Pine Drive until you reach Community Center Drive and turn right, then continue on Community Center Drive until you reach Douglass Drive. Turn left onto Douglass Drive, follow it until you reach Road 402, then turn right onto Road 402.
Hold the line on timeless standards

By Chief Master Sgt. Eric Jaren
Air Force Materiel Command command chief

WRIGHT-PATTERSON AIR FORCE BASE, Ohio (AFNS) — A couple of months ago I attended an Air Force Sergeants Association banquet and awards ceremony here where retired Tech. Sgt. Matt Slaydon was the guest speaker.

Matt is an explosive ordinance disposal technician who suffered critical injuries when an IED blew up two feet away from him during his deployment to Iraq in 2007.

After reading more about Matt, I discovered an article by Air Force Chief of Staff Gen. Norton Schwartz, who attended his retirement ceremony.

General Schwartz said Matt closed out his career saying, “Hold the line ... hold the line.”

I believe Matt’s message to hold the line was about standards, but not just minimum standards.

Retired Chief Master Sgt. Ralph Schell, one of the original 625 chief master sergeants when that rank was created during the 1950s, was at the AFSA banquet, too.

Like Matt, Chief Schell talked about standards and how they have relaxed over the years. Now in his 90s, but still mentally sharp, he said basic military functions are the cornerstone of discipline and military bearing. Activities such as assembly, formation and inspections are necessary to establish and maintain standards, discipline and attention to detail.

Airmen are “blue” in basic training and “rebued” in PME, but they become de-motivated once they return to their units.

Air Force leaders remind us about the way about the importance of standards. General Schwartz speaks about getting “back to basics” in the nuclear enterprise and other areas where we had lost focus. Chief Master Sgt. of the Air Force James A. Roy says we need to “do the basics” in regard to compliance and acceptance of responsibility.

Unfortunately, I discovered relaxed standards right on my base.

At interviews for a new command chief executive assistant and for a NCO in charge of the First Term Airman Center, candidates were directed to report in service dress for an interview. I wanted to give them a chance to shine.

After being seated, one of the candidates slid down in the seat and slouched to one side.

I decided to give him a clue. Also wearing my service dress, I shook slightly from side to side to straighten my posture. I thought it worked because the candidate straightened up, only to slide back down the opposite way a moment later. This was a complete lapse in military bearing, image, customs and tradition, during his job interview no less!

He wanted to work in the wing command section, a revered position for a staff sergeant. He agreed to put on his service dress, meet in the conference room and participate in an interview. I concluded this display was simply an Airman doing the best he knew how. This wasn’t his fault; this was my fault. Senior leaders, this is our fault. We have allowed standards to slip this far.

Later, I was discussing my observations during a perspective panel for the Noncommissioned Officer Professional Development Seminar. It struck me to poll the NCOs to see how many of them had stood in front of a face-to-face board. The answer: none! Even among the senior noncommissioned officers, only half had ever met a board. It was time for that act.

We formed a team to work on getting back to basics. We changed the BTZ instruction to require Airmen to meet a board. But if no NCOs and only half of SNCOs knew how to meet a board, who would teach the Airmen?

We were beginning to build an “Old School” course when retired Master Sgt. Jaye Tyrrel knocked on my door. Jaye, who is in his 80s, handed me a document he had kept for more than 60 years. “The Guide to the NCO, 23 Jun 1948” captures the spirit of the basic military functions that Chief Schell talked about. Since then I have copied and bound the document into the Little Green Book and had the original placed in the Enlisted Heritage Research Institute. And we’ve gotten back to work on our “Old School” course.

Leaders, it is time to hold the line!

We need to do reveille. We need to do retreat. We need to do roll calls, every day. I hear people say we don’t have time. If we are that busy, then I believe we need roll calls more than ever. And yes, we need to do uniform inspections, in formation, weekly!

These basic functions teach attention to detail and stress adherence to standards. Sometimes you have to take one step back to take two steps forward. This is that time!

General Schwartz tells us to get “back to basics.” Chief Schell says “basics are the cornerstone.” Matt Slaydon “held the line.”

Leaders, tell me: will you hold the line?

The ‘beauty of life’

By Lt. Col. David Higginbotham
Center for Character and Leadership Development

The Academy honored a fallen 2006 graduate May 25 with the Center for Character and Leadership Development’s inaugural First Lieutenant Roslyn L. Schulte Cadet Awards and Recognition Ceremony. Endowed by her parents and friends to honor her memory, The Schulte Cadet Awards and Recognition Ceremony.

Character Corner

What will you spend more money on than you planned for this summer?

Wayne Ebert
Senior Master Sgt.
Mike Saulsman
Retired Master Sgt.
Ben Lintner
Tech. Sgt.
David Johnson

Open to responsibly inform and educate the Academy community and the public about the Air Force Academy Lt. Gen. Mary A. Miller — Academy Superintendent Capt. Corinna Jones — Deputy Director of Public Affairs 2Lt. Meredith Kirchoff — Chief of Internal Information meredith.kirchoff@usafa.af.mil Staff Sgt. Don Brauman — NCOIC of Internal Information donald.brauman@usafa.af.mil Butch Welch — Senior Staff Writer whalen.werhey@usafa.mil Ann Patton — Staff Writer elizabeth.pattton@usafa.mil Denise Narey — Graphic Designer

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, 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.

The appearance of advertising in this publication, including inserts or supplement, does not constitute endorsement by the Department of Defense, the Department of the Air Force, or Colorado Springs Military Newspaper Group, of the products or services advertised. Everything advertised in this publication shall be made available for purchase, use or possession without regard to race, color, religion, sex, national origin, age, marital status, physical handicap, political affiliation or any other protected factor of the purchaser, user or patron. The printer reserves the right to reject any advertising. Editorial content is edited, prepared and provided by the U.S. Air Force Academy/Department of Public Affairs. The editor reserves the right to edit all stories in accordance to Air Force policy and Associated Press style. All photos are U.S. Air Force photos unless otherwise indicated.

Submissions

Send submissions to: HQ USAFA/PAL, 2904 Cadet Drive, Suite 300, U.S. Air Force Academy, CO 80840-5186 or deliver to Suite 3100 in Hammer Hall.

Deadline for all stories is noon Monday, one week prior to the desired publication date. Before questions to the Academy Spirit editor at 333-8823. The Academy Spirit also accepts story submissions by fax at 333-4904 or by email: usafa@usafa.af.mil.
Airmen at every stop he made to the various shops around is fond of saying, ‘Airpower truly is the power of Airmen.’” said. “As the 455th Air Expeditionary Wing commander to the only level they know and that’s the best. an aircraft or making sure the base is secure, they do it they do. Our Airmen understand they shape the battle-

Roy said. “I always ask them, ‘Can you make a connec-

Our Airmen understand they shape the battle-

To the men and women of the 306th, stand tall,” General Feast said. “You continue to put the ‘air’ in the United States Air Force Academy.”

Prior to assuming command of the 306th, Colonel Plamp attended the Air War College at Maxwell AFB, Ala. He has also served as commander of the 15th Reconnaissance Squadron at Nellis AFB, Nev., and as director of the commissioning program at Air Education and Training Command, Randolph AFB, Texas. The colonel deployed the “World Famous Flying Tigers” to Bagram Airfield, Afghanistan, in 2005.

Colonel Plamp’s awards include two Bronze Star medals, a Defense Meritorious Service Medal, four Air Force Commendation Medals, a Meritorious Service Medal, a Bronze Star Medal, a Meritorious Service Medal, a Defense Meritorious Service Medal, and an Air Force Achievement Medal. He was a distinguished graduate from the MQ-1B Formal Training Course at Creech AFB, Nev., and from undergraduate pilot training at Columbus AFB, Miss., and received the commandant’s trophy while attending Squadron Officer School at Maxwell AFB.

The colonel has a Master of Military Art and Science degree from the U.S. Army Command and General Staff College and a Bachelor of Science degree from the Air Force Academy.

The 306th manages and oversees the Academy’s airmanship programs for a total of 6,500 trainees, including Academy and ROTC cadets and permanent party Airmen stationed here. The group oversees and empowers cadet leadership through powered flight, soaring and para-

Chiefs are passionate about. “It is incumbent upon us as leadership to make sure when we put our Airmen into a situation, we bring them up to speed,” he said. “We have to send them to the right combat skills training. Its important when Airmen go to that training they get as much out of it as possible. Its also important that as our Airmen process through the system, they are properly equipped for the missions they are going to execute while in theater.

Chief Roy expressed his gratitude and good wishes for all U.S. servicemembers serving in the AOR as the buildup continues.

“You are going to see an increase of people and equip-

ment flowing throughout Afghanistan as the coalition works with our host nation to steadily increase the capacity here,” Chief Roy said. “I am extremely proud of the entire armed forces of the United States and what they are doing here in Afghanistan and across the Central Command AOR. I’m particularly thankful for what all of our Airmen are doing every single day in the fight.”
Airman convicted for attempted cocaine use

From Academy Staff Judge Advocate office

A five-officer panel found Airman 1st Class Tatjana A. Dozier, 10th Aerospace Medicine Squadron, guilty June 12 of twice attempting to use cocaine and of permitting underage cadets to drink alcohol in her home.

Airman Dozier was sentenced to 30 days confinement, reduction in grade to airman basic, restriction to the Air Force Academy for 60 days, forfeiture of $250 per month for four months and a reprimand.

Officials transported Airman Dozier to the Teller County jail immediately after the sentence was announced.

A local pharmacist testified as to the dangerous nature of cocaine, stating that every person who uses cocaine runs the risk of serious injury or even death. There is no way to know how someone will react to cocaine: some effects include an increased heart rate (which may cause tachyarrhythmia), hallucinations and paranoid delusions. Furthermore, a drug dealer can use almost anything to dilute cocaine, such as other illegal drugs or even poison. Anyone who uses illegal drugs places his life in the hands of his drug dealer.

Beyond a criminal sentence, a court-martial conviction carries serious and long-lasting impacts. A finding of guilty by court-martial is considered a federal criminal conviction in the civilian world, which means Airmen convicted at court-martial will have a criminal record, a diminished ability to obtain civilian employment and usually a very limited potential for continued military service.

Capt. Dustin Lane of the Area Defense Counsel represented Airman Dozier for the fully litigated special court-martial, while Capt. David Illingworth and Capt. Valerie Nolan represented the United States.
Rampart Lodge defends Innkeeper Award

By Ann Patton  
Academy Spirit staff

The 10th Mission Support Group commander held a ribbon-cutting ceremony for a new dining facility in Jacks Valley June 25.

Col. Timothy Ferguson emphasized the Academy's dedication to educating tomorrow's Air Force leaders and the mission to support developing officers of character during the ribbon cutting.

"This facility will go a long way to making that happen," he said.

Oscar Hilaby, food manager for Mitchell Hall, said the food staff during Basic Cadet Training this year will include 12 cooks, 22 waiters and five warehouse workers, all working in two shifts. They will be tasked with producing three meals per day, as well as serving snacks.

Airmen from the 556th and 307th RED HORSE Squadrons at Hurlburt Field, Fla., and Barksdale Air Force Base, La., began construction of the permanent dining facility next to the dining facility. Under construction, it is expected to be completed this summer along with a permanent medical facility.

Chief Master Sgt. Tony Valdez with the 556th RHS said the team produced outstanding work on their first project together. The team often worked 12-hour days with infrequent days off and kept construction going even during this year's cold, snowy spring.

On June 16, Maj. Todd Alcott, Wilma Hall, Janet Gonzales and William Durme, the 2010 Innkeeper inspection team, attended an Academy Awards themed inbrief at the Academy Visitor Center Theater that featured an informative and amusing video of Rampart Lodge staff spoofing sequel movies. After two days of intense inspections at Rampart Lodge, the team also enjoyed a social June 17 before leaving the Academy.

"The support we received from the Academy was also outstanding," he said.

Col. Franklin Myers, commander of the 556th, also praised the team and noted the challenges of unpredictable spring weather at the Academy.

"In Colorado Springs, we have had four seasons of weather every other day," he said. "It has been very much a learning experience."

RED HORSE stands for Rapid Engineers Deployable Heavy Operational Repair Squadron Engineer. RED HORSE squadrons, organized during the Vietnam era, now provide the Air Force with mobile civil engineering response to support contingency and special operations worldwide. The mobile squadrons provide rapid response and independent operations in remote or high-threat environments. Among their capabilities are airfield lighting, concrete operations, water well drilling, fuel systems, facility hardening, heavy earth work, road construction, design, base denial systems and disaster relief.

10th MSG opens new dining hall in Jacks Valley

From 10th Force Support Squadron

The Air Force Innkeeper team visited the Air Force Academy June 15 to inspect Rampart Lodge, the 2009 winner of the Innkeeper Award.

Innkeeper is an Air Force-wide best-of-lodging contest awarded annually to bases that excel in lodging operations. Inspection teams arrive with a 400-plus-item checklist that rates benchmarks such as financial management, customer service, housekeeping and facility management.

Competing in the small base category, the 102-room Rampart Lodge hosts 14 air show-sized groups every year, the most Air Force wide, and has a significantly higher number of distinguished visitor suites than the Air Force average.

"The support we received from the Academy was also outstanding," he said.

Col. Franklin Myers, commander of the 556th, also praised the team and noted the challenges of unpredictable spring weather at the Academy.

"In Colorado Springs, we have had four seasons of weather every other day," he said. "It has been very much a learning experience."

RED HORSE stands for Rapid Engineers Deployable Heavy Operational Repair Squadron Engineer. RED HORSE squadrons, organized during the Vietnam era, now provide the Air Force with mobile civil engineering response to support contingency and special operations worldwide. The mobile squadrons provide rapid response and independent operations in remote or high-threat environments. Among their capabilities are airfield lighting, concrete operations, water well drilling, fuel systems, facility hardening, heavy earth work, road construction, design, base denial systems and disaster relief.

10th MSG opens new dining hall in Jacks Valley

From 10th Force Support Squadron

The 10th Mission Support Group commander held a ribbon-cutting ceremony for a new dining facility in Jacks Valley June 25.

Col. Timothy Ferguson emphasized the Academy's dedication to educating tomorrow's Air Force leaders and the mission to support developing officers of character during the ribbon cutting.

"This facility will go a long way to making that happen," he said.

Oscar Hilaby, food manager for Mitchell Hall, said the food staff during Basic Cadet Training this year will include 12 cooks, 22 waiters and five warehouse workers, all working in two shifts. They will be tasked with producing three meals per day, as well as serving snacks.

Airmen from the 556th and 307th RED HORSE Squadrons at Hurlburt Field, Fla., and Barksdale Air Force Base, La., began construction of the permanent dining facility next to the dining facility. Under construction, it is expected to be completed this summer along with a permanent medical facility.

Chief Master Sgt. Tony Valdez with the 556th RHS said the team produced outstanding work on their first project together. The team often worked 12-hour days with infrequent days off and kept construction going even during this year's cold, snowy spring.

On June 16, Maj. Todd Alcott, Wilma Hall, Janet Gonzales and William Durme, the 2010 Innkeeper inspection team, attended an Academy Awards themed inbrief at the Academy Visitor Center Theater that featured an informative and amusing video of Rampart Lodge staff spoofing sequel movies. After two days of intense inspections at Rampart Lodge, the team also enjoyed a social June 17 before leaving the Academy.

"The support we received from the Academy was also outstanding," he said.

Col. Franklin Myers, commander of the 556th, also praised the team and noted the challenges of unpredictable spring weather at the Academy.

"In Colorado Springs, we have had four seasons of weather every other day," he said. "It has been very much a learning experience."

RED HORSE stands for Rapid Engineers Deployable Heavy Operational Repair Squadron Engineer. RED HORSE squadrons, organized during the Vietnam era, now provide the Air Force with mobile civil engineering response to support contingency and special operations worldwide. The mobile squadrons provide rapid response and independent operations in remote or high-threat environments. Among their capabilities are airfield lighting, concrete operations, water well drilling, fuel systems, facility hardening, heavy earth work, road construction, design, base denial systems and disaster relief.
Focus on newcomers: Class of 2014

By Tammie Adams
Air Force Academy Admissions

Diversity is a prime topic among many universi-
ties across the nation. It’s especially important at the
U.S. Air Force Academy, and the reasons are more than
skin-deep.

One reason diversity is a prime area of interest
deals with the Air Force’s coverage around the world.
The Academy is well aware of the globalization of
Air Force missions and the critical need for Air Force
officers to function optimally and effectively in an expe-
ditionary environment.

“By increasing the Academy’s diversity, cadets
can more easily learn to live, communicate and operate
among a realm of people with a realm of differences
from themselves,” said Col. Carolyn Benyshek, the Air
Force Academy Director of Admissions. “Since Airmen
are located globally and work readily with foreign
militaries and communities, we must be able to effec-
tively focus on the mission and appreciate the differ-
ces and strengths of others.

The Cadet Wing grows stronger and reaches its
goals more effectively through the unique strengths
and backgrounds each individual contributes to the
team. Air Force Chief of Staff Gen. Norton Schwartz
spoke about the value of diversity at a recent confer-
ence in Baltimore.

“We need talented and thoughtful leaders who not
only have a deep and abiding appreciation for other
cultures, languages and customs, but also firm under-
standing that these various backgrounds and view-
points ultimately establish a foundation of strength,
legitimacy and greater efficiency,” General Schwartz
said.

An original version of the Academy’s Diversity
Plan, first implemented in 2008, broadly defines diver-
sity as a composite of individual characteristics that
includes: personal life experiences, geographic back-
ground, socioeconomic background, cultural knowl-
dge, educational background, work background,
language abilities, physical abilities, philosophical/spiri-
tual perspectives, age, as well as race, ethnicity and
gender.

Each term goes even deeper. For example, personal
life experience many times signifies overcoming
adversity. Geographic background could mean
someone came from a remote and isolated location
and has a graduating class of only 10. Socioeconomic
background could mean a student works after school
to help support his family. If someone grew up
immersed in another country’s culture, he may possess
cultural knowledge. If someone is prior enlisted and
served as a linguist, he can provide the Cadet Wing
and Air Force with work background and language
abilities.

Air Force Academy Admissions has several initia-
tives in place to increase the Academy’s diversity and
eventually the Air Force’s diversity among the officer
corps. Personnel from Admissions’ Diversity Recruiting
Division regularly travel across the nation, and some-
times around the world, visiting high schools and
education fairs to inform young people about the
Academy. Colonel Benyshek said Academy Admissions
has effectively tripled the number of recruiting trips
for minorities and individuals in areas of the country
that are underrepresented.

In addition, the Admissions office holds several
programs throughout the year tailored to inform
applicants about the Academy opportunity and expe-
rience. One of the programs, the Diversity Visitation
Program, gives highly qualified, diverse high school
students from across the United States a chance to visit
the Academy and shadow cadets for four days. The
students spend their visits eating meals in Mitchell Hall,
attending classes with cadets and staying in cadet
dorm rooms. In addition, they receive a tour of the
airfield, Academy Preparatory School and Cadet
Chapel, a briefing by an officer and a question-and-
answer session with senior leaders. They also expe-

Class of 2014 Diversity Statistics

The Air Force Academy Class of 2014 includes
approximately 1,275 basic cadets who inprocessed
June 24 to begin Basic Cadet Training. The Academy
does not have special admissions policies for different
groups of cadets: all candidates are held to the same
standard. Below is a glimpse of their composition and
background, compared to last year.

Minority applicants: 4,064 out of about 11,000 (37 percent)
— Women: 291 (22.9 percent), +5.8 percent
— Minorities: 350 (27.5 percent), +12 percent
— 9.8 percent Asian-Pacific Islander, +38.9 percent
— 8.8 percent Hispanic American, -13.2 percent
— 7.9 percent African American, +23.5 percent
— 1 percent Native American, No change
— International Students: 17, +54 percent
— Average high school GPA: 3.9
— Average composite SAT score: 1315

* Due to decrease in number of qualified applicants

The Right Degree. The Right University.

After completing your associate degree at Community College of the
Air Force (CCAF), why not take your education to the next level at
Colorado Technical University?

• Prior learning assessment – receive potential credit for previous
  eligible course work and military training
• Respected Military Educational affiliations & awards – DANTES,
  SOC member, AI Portal and MAE award recipient

Classes start soon!
719.598.0200 | coloradotech.edu/military
Operation Air Force: Cadets visit McConnell AFB

By Airman Armando Schwier-Morales
22nd Air Refueling Wing Public Affairs

MCCONNELL AIR FORCE BASE, Kan. — Nine U.S. Air Force Academy cadets began a three-week tour here June 1 to 16 to experience day-to-day Air Force operations.

This tour is part of Operation Air Force, a program that sends Air Force Academy and Air Force ROTC cadets to bases throughout the Air Force during summer break after their sophomore year to view firsthand the Air Force mission, its diverse career fields and the responsibilities of today's Airmen.

McConnell AFB has hosted the program for the past five years. During their time at McConnell, the cadets toured the base and shadow Airmen from a variety of career fields.

"The cadets are getting exposed to all four groups (at McConnell); the support directorates, the 931st Air Refueling Group and the 184th Intelligence Wing," said Lt. Col. William Stowe, 22nd Operations Support Squadron operations officer. "One of the main goals of this program is to allow cadets to experience firsthand what active-duty life is like and how our Guard and Reserve partners fit in."

"It is a really good experience to see what the operational Air Force is all about," said Cadet 2nd Class Gabrielle Quirao of Cadet Squadron 32. "It gives us a good perspective on how many different sections are working together to complete the mission."

In addition to touring the base, the cadets spend time with McConnell's senior leaders for personal mentoring and discussions about their future career decisions.

When the cadets begin their junior year Aug. 5, they will need to make two decisions, Colonel Stowe said. They will have to decide whether they will stay in the Air Force and commit to their last two years at the Academy. They must also determine what career path is suited for them after they receive their commissions.

"This program will affect two major decisions these cadets need to make in the near term," Colonel Stowe said. By getting exposure to various career fields, cadets can make more informed career decisions.

"With a preview of daily Air Force life at McConnell, the cadets will have a clearer idea of what choosing to be an Air Force officer in today's force will mean," Cadet Quirao said. "It gives us a better understanding of what career choices are out there," she said.

After receiving mentoring and learning about Air Force life during their stay, the cadets departed June 16. However, nine more cadets are scheduled to visit McConnell as part of Operation Air Force July 11-29.
Wave energy research faces test in 2011

By Randy Roughton
Defense Media Activity-San Antonio

If an Academy scientist’s idea is proven correct, his research could tap into energy from ocean waves that could supply a large chunk of the world’s electricity needs.

A typical North Atlantic deep ocean wave is about 126 meters long and 3.5 meters tall, which could yield 100 kW per meter in the direction of the wave crest, according to Dr. Stefan Siegel’s computer simulations.

The idea of harnessing power from ocean waves isn’t new. The problem is creating a system that can survive in the open ocean. A cycloidal wave energy converter, based on the type of propellers on ferries and tugboats, is the focus of Dr. Siegel’s wave energy converter research project.

Next summer, his work will be put to what he calls “a make-or-break test.”

“If the test is a success, I think we can slowly transition this project from what is right now basic research and a very novel idea to more applied research and finally to industrial development,” said Dr. Siegel, an Academy Department of Aeronautics research associate. “If we can get efficient energy out of the wave tank out there, I believe we can also do that in the ocean.”

A magazine article in 2004 inspired Dr. Siegel’s theory of a wave energy system based on the same principles that keep airplanes in the sky. The article was about state-of-the-art wave-powered devices, and caught his attention because his staff had already worked on the cycloidal turbine propeller. The advantage is that the thrust from the propeller can be directed for 360 degrees in any direction.

While we have the means to tap into solar and wind energy, we don’t have anything feasible right now to tap into ocean waves,” Dr. Siegel said. “That’s really, in a nutshell, what sparked my interest in wave energy, because I saw an unsolved engineering problem there, and it also played really well with the research I had been working on previously. I looked at it as a great application for feedback flow control, which is what we had developed in our department for more than 10 years.”

Dr. Stefan Siegel tests a cycloidal wave energy converter in a water tunnel at the Air Force Academy in April 2009. If tests prove the model successful, commercial versions could generate up to 100 kilowatts per meter in the North Atlantic.

The Academy’s Aeronautics Department’s wave energy project is funded through 2011. The department also received a $285,000 grant from the National Science Foundation to support the research.

As cadets work on calibrating gauges, Dr. Siegel and his staff are testing the cycloidal turbine. This is probably the most important issue that must be resolved before next year’s testing.

“Ultimately, if things keep turning out as we see them right now, we will develop this as a commercial product, and we believe it will make a significant impact on the overall renewable energy scheme worldwide,” Dr. Siegel said. “What really makes me the most excited are the simulation results we have right now. The beauty of simulations is I can simulate full-sized ocean waves. We can analyze the data here and find out we can have 99 percent of the energy from one wave. It got us excited further when we realized this device can not only take energy from the waves, but also do it efficiently. Efficiency is the key to getting energy from ocean waves.”

Focus

From Page 7

...an Academy athletic event.

Another program, tailored to increase the number of prior enlisted cadets at the Academy, is called the Leaders Encouraging Airmen Development Conference. This is a twofold program held annually at the Academy that informs base leaders worldwide about the Academy education opportunity available to young enlisted Airmen and identifes highly qualified Airmen applicants, allowing them to visit the Academy and experience the lifestyle.

In the past, the Academy Plans and Programs office tracked statistics involving race, ethnicity and gender, but they are now also recording statistics in regard to first-generation college students, socioeconomic background, language abilities and prior enlisted experience so the Academy can track further changes in diversity over the years.

“We continue to make strides in strengthening the cadet wing through diversity,” Col. Benyshek said.

“We would like to have an even more diversified cadet wing, and we realize the importance and benefit of optimizing the talents and strengths of our nation and growing an officer corps that reflects the enlisted force it leads.”

Garden of the Gods Visitor and Nature Center

Over 30 FREE exhibits on the area’s geology, ecology and cultural history.

See the world’s only Thescelosaurus kerri dinosaur fossil FREE maps, nature walks and more

FREE naturalist lectures on flora, fauna and geology

Gateway to hiking, biking and rock climbing

www.gardenofgods.com

Open Daily 8 a.m. – 8 p.m.

“HOW DID THOSE RED ROCKS GET THERE?”

Join us for a show that was a million years in the making! An exciting, entertaining and educational 14 minute multimedia adventure, $5 for adults, $3 for children 5 -12 years Guided Bus tours (small fee applies)

Photo by Staff Sgt. Danny Washburn
By Ann Patton
Academy Spirit staff

It was only appropriate that basic cadets’ first meal in Mitchell Hall would be cold turkey.

Academy appointees for the Class of 2014 shed civilian clothes, high school ways of doing things and hair—in some cases, a lot of it—during inprocessing June 24.

“You will have a tremendous opportunity going to school here,” William “T” Thompson, director of the Association of Graduates, told the appointees as they started their journey along the Long Blue Line that day. Citing the accomplishments of Air Force Academy graduates, he added, “You are about to join a very elite group.”

At the same time, he reassured the appointees, “We know you can meet the challenges, or you wouldn’t be here.”

As of June 23, the Class of 2014 numbered 1,275, with 350 minorities, 291 females, 133 second-generation service academy cadets, and 51 cadets with prior enlisted service. The new class also includes 17 foreign students. The Academy received more than 11,000 applications for the class, up 1,730 from 2009.

Inside Doolittle Hall, appointees and their families and friends gathered information on various base support activities such as banking, postal service, parent clubs, chaplains and Web-based access to Basic Cadet Training activities. Appointees bid their goodbyes at the foot of the stairs inside Doolittle.

After what some cadets and graduates might consider the longest 15-minute bus ride of their life, appointees received instructions on standing at attention before mounting the Honor Ramp leading to the Terrazzo, where they turned in medical records and received immunizations, uniforms and room assignments. The next morning, the new class took their oath of allegiance.

Cadet 1st Class Daniel Liu of Cadet Squadron 14 remembers his own in-processing.

“I sat on the very first row on the bus, and I was the first on and the first off,” he recalled. “I didn’t realize the extent of what was to happen until I jumped into it.”

Cadet 1st Class Travis Adams of CS16 was excited to be at the Academy for his first day.

“It was time to fly, and it was very exciting,” he said and added it was the first time he was on his own but remembered asking himself if he’d made the right decision during the bus ride.

Appointees had their own reasons for coming to the Academy. For Rex Anderson from Los Angeles, the answer was straightforward.

“I want to be a pilot and an officer,” he said. To prepare for BCT, he went running at every opportunity.

For Diana Hock, a native of Shreveport, La., service academies intertwine with family life and friendships. Her brother is a cadet here, members of the family are in the Air Force, and she has a friend at West Point.

“I’m following in their footsteps,” she said. “If you want to be an Air Force officer, you might as well come to the Academy. I also definitely want to serve my country.”

John Tardieu from Grants Pass, Ore., has blues in the family as well as green. His sister is an Academy graduate. For Rex Anderson from Los Angeles, the answer was straightforward.

“He’s a go-getter and just an overall good kid,” she said.

While in high school, he performed extensive volunteer work and “played every sport you can think of,” Mrs. Clark said.

Coming to the Academy was strictly personal for Nicholas Salter, a Dover, Del., native. Although his father is a master sergeant, “I chose it on my own,” he said.

With a private pilot’s license in hand, he hopes to be involved with Academy aviation.

Mary Deardorf, a hair stylist in Sijan Hall, said inprocessing is always a fun day as barbers clip away at appointees’ locks.

“We always tell them, ‘You’re going to feel 10 pounds lighter and 10 degrees cooler’.”

Basic Cadet 1st Class Daniel Scully and Cadet 1st Class Alex Anderson head basic cadets off the bus near the bottom of the Core Values Ramp.

Approximately 1,275 cadets take their oaths of allegiance on the Terrazzo June 25 to kick off their first full day of Basic Cadet Training.

Basic Cadet Trainee Ed Bucher receives extra attention from cadre at the footprints and the bus ride (above and right). Bucher was the first member of the Class of 2014 to arrive on inprocessing day, camped out at the doorstep of the AOG with a sleeping blanket, portable mattress and Air Force blanket. While he doesn’t know if it’s been done before, Bucher was hoping to start a new tradition by camping out to be the very first basic to arrive for his class.

Above: Basic Cadet Timothy Lopez practices making his bed during inprocessing and “zero day” of Basic Cadet Training.

Right: Basics receive their initial Airman Battle Uniforms at clothing issue.
Eglin ceremony honors Khobar Towers dead

By Ashley Wright
33rd Fighter Wing Public Affairs

EGLIN AIR FORCE BASE, Fla. (AFNS) — Approximately 100 people gathered here June 25 to remember the 12 Airmen assigned to the 33rd Fighter Wing who made the highest sacrifice in service to the United States on this date 14 years ago.

A terrorist attack at Khobar Towers in Dhahran, Saudi Arabia, killed 19 Airmen and one Saudi and wounded nearly 400 June 25, 1996.

"What I remember is the heart of the 33rd," said Bridget Brooks, mother of Airman 1st Class Joseph E. Rimkus, one of the fallen. "They took care of one another in that moment of pure chaos."

The wing has transitioned from operations to training. It currently is implementing the first Department of Defense joint integrated training center for the F-35 Lightning II joint strike fighter.

"We are focused on the future … (but) we recognize the (Airmen) of today are shaped by those who have gone before," said Marine Col. Arthur Tomassetti, 33rd FW vice commander. "We honor them with remembrance … their sacrifice set a bar that is pretty high."

At the ceremony, the crowd observed a moment of silence by the eternal flame at the monument to the fallen Airmen as the base honor guard rendered a rifle volley before Taps was played.

Mrs. Brooks called the ceremony "an honor." Her son, Airman Rimkus, was on his first temporary duty assignment when he paid the last full measure of devotion to his country.

The 33rd Fighter Wing traces its history back to World War II. It has deployed F-4 Phantoms to serve in Vietnam and scored 16 aerial victories in the F-15 Eagle during operations Desert Shield and Desert Storm. The unit was deployed in support of Operation Southern Watch when a truck bomb exploded near the dormitory housing 33rd FW members.

"Let us now praise these quiet American heroes, who gave their lives in service to America. May they rest in peace and may their names live on forever," said former President Bill Clinton, days after the attack. "Our (Airmen) have ceased their wandering. They have come home."

Single roses are laid at the foot the Khobar Towers Memorial Wall at Eglin Air Force Base, Fla., during a ceremony June 25, 2010, marking the 14th anniversary of the tragedy. Almost 100 friends, family and current members of the 33rd Fighter Wing gathered for the remembrance ceremony near the memorial dedicated to the heroism of 12 Airmen lost. The 33rd FW suffered 105 wounded personnel and accounted for 12 of the 19 Airmen killed in the Khobar Towers terrorist attack June 25, 1996.

The Airmen who gave their lives June 25, 1996, were:

- Capt. Christopher Adams
- Tech. Sgt. Daniel Cafourek
- Sgt. Millard Dee Campbell
- Senior Airman Earl Cartrette Jr.
- Tech. Sgt. Patrick Fennig
- Capt. Leland Haun
- Master Sgt. Michael Heiser
- Staff Sgt. Kevin Johnson
- Staff Sgt. Ronald King
- Master Sgt. Kendall Kitson, Jr.
- Airman 1st Class Christopher Lester
- Airman 1st Class Brent Marshalter
- Airman 1st Class Brian McVeigh
- Airman 1st Class Peter Morgera
- Tech. Sgt. Thanh Gus Van Nguyen
- Airman 1st Class Joseph Rimkus
- Senior Airman Jeremy Taylor
- Airman 1st Class Joshua Woody
- Airman 1st Class Justin Wood

WANT TO
SAVE MONEY
NOW
AND SAVE WATER
FOR THE FUTURE?

With @TOOLS you can save:
- up to $200 when you upgrade your irrigation equipment;
- up to $100 when you purchase a WaterSense toilet; and
- $75 if you purchase a qualifying high-efficiency clothes washer.

That’s money savings today and water conservation for the future.

For more information or to apply for a rebate, visit csu.org.

Follow us on Twitter™ | Facebook™ | YouTube™
Teams announce Class of 2014 additions

From Athletic Communications

The Air Force athletic teams announced the new additions to their rosters from the Class of 2014 June 24 through Monday.

Swimming
Swim team head coaches Rob Clayton and Casey Converse announced the Class of 2014 additions to the men’s and women’s teams Monday.

The new swimmers for the men’s team are Paul Leonard of Plano, Texas; Angus MacDonald of Woodbridge, Va.; Micah Newmann of Duncanville, Texas; Daniel Schmitt of Dayton, Ohio; Billy Ross of Pickerington, Ohio; Matt Miller of Idaho Falls, Idaho; and Kyle Evans of Poway, Calif.

Newly added to the women’s team are Gabby Aranda of Bixlas, Miss.; Alivia Berg of Groton, Conn.; Erin Bleyl of Tucson, Ariz.; Hannah Cesare of Ennice, N.C.; Ashley Crowe of Billings, Mont.; Melinda Duran of Reno, Ore.; Liz Harrison of Manassas, Va.; Elizabeth Keenan of Phoenix, Ariz.; Erin Rost (GK) of Sacramento; Ariel Saltin of Lakewood, Colo.; Felicia Sturgeon (M) of Bountiful, Utah; Rachele Szall (F) of Smyrna, Ga.; Kelly Stambaugh (GK) of Clarksville, Tenn.; Megan Dozier (forward) of Colorado Springs; Ashley Feldman (F) of Perkasie, Pa.; Ashleigh Hammer (M/D) of Roundhill, Va.; Kaleigh Moses (M/F) of Huntington Beach, Calif.; Erin Rost (GK) of Sacramento; Ariel Saltin (F) of Smyrna, Ga.; Kelly Stambaugh (GK) of Clarksville, Md.; Felicia Sturgeon (M) of Bountiful, Utah; Rachelle Snell (M) of Bettendorf, Iowa; and Caitlin Williams (D) of Houston.

“We have assembled a strong group of student-athletes,” Friend said. “This is a talented class. The team and staff are excited about this year’s class and the talent and depth it will add to the program,” Sharratt said. “Personally, I am proud of the effort the team and coaches gave to attract such a great group of young men to the Academy. These guys offer the Academy tremendous depth in all aspects of our mission and hold great promise as future leaders.”

Tennis
The men’s tennis team added seven freshmen to its team June 24.

Joining the Falcons are Danny Gies of Austin, Texas; Alex Grubbs of Fort Worth, Texas; Andy Jackson of Dayton, Ohio; Alex Linberry of Corkville, Ariz.; Lucas Martinez-Salcedo of Weston, Fla.; Ali Rizvi of Frisco, Texas; and Steven Young of Knoxville, Tenn.

“We have assembled a fantastic group of student-athletes,” head coach Dan Oosterhous said. “This is a very deep class and will significantly strengthen our lineup.”
Volunteers needed

The Academy needs volunteers to help with security, ticketing and other events for the Pikes Peak or Bust Rodeo July 17 at the Norris-Penrose Event Center in Colorado Springs. To volunteer or for more information, contact Senior Master Sgt. Leonardo Castro at 333-5505 or Master Sgt. James Gray at 333-5681. Sergeants Castro and Gray are also the points of contact for anyone interested in being part of an Academy wild cow milking team.

Evening Aerobics

The Community Center Sports and Fitness Center now offers evening aerobics classes at 5 p.m. Mondays, Wednesdays and Thursdays. To sign up or for more information, call 333-4522.

Voyage to Book Island

The Community Center Library’s summer reading program, “Voyage to Book Island,” runs now through Aug. 7. For more information, rules and age categories, call the library at 333-4665.

Fishing permits

Outdoor Recreation offers Academy fishing permits to fish Kettle Lakes, Ice Lakes, Dead Man Lake, or any of the lakes on Parish Recreation Area grounds. For more information, call 333-2940 or 687-9098.

School physicals

The 10th Medical Group will offer multiple appointment times for school physicals throughout the summer for students who wish to participate in school sports or camp programs and are enrolled in TriCare Prime.

If your child has had a physical completed within the last 12 months prior to the start of school or sports season, he is considered current, and you can contact the medical treatment clinic where the child is enrolled to obtain a copy of the physical for school, sports or camp purposes.

To schedule your child’s physical or learn more, call the TriCare Appointment Line at 719-457-2273.

Prep School sponsors

Sponsors are needed for cadet candidates attending the Air Force Academy Preparatory School for the 2010-2011 school year.

Eligible sponsors are active or retired GS-5, E-6, O-3 and above. Academy graduates and professors may also apply. To volunteer as a sponsor or form more information, contact Mark Winter at 333-3057 or e-mail him at: mark.winter@usafa.edu

Community Center events

The community center will hold a book faire July 9 from 10 a.m. to 2 p.m. in the Base Exchange parking lot. The book faire is a book sale and swap and will feature about 400 titles for children’s books from every category.

Ballroom dance classes start Aug. 4, with beginners’ class at 5:30 p.m., intermediate class at 6:30 p.m. and swing at 8 p.m. Each course is $70 per couple or $40 per individual.

To book the Milazzo Center or Community Center Ballroom for your event, call Community Activities at 333-2928.

A&FRC offerings

The Academy Airman and Family Readiness Center will host the following classes in July. Contact the A&FRC at 333-3444 or 333-3445 with questions or to sign up for a class. Class dates and times are subject to change.

Group Pre-Separation Counseling

Held Mondays (except during Transition Assistance week), 2 to 4 p.m.

Separating or retiring from the Air Force in a year or less? This mandatory briefing will help you identify benefits and services associated with your transition and beyond.

Disabled American Veterans Medical Records Review

July 12 and 30, 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 Veterans Affairs Disability Compensation through the VA Form 21-526. Call for more information or an appointment.

Smooth Move

July 13 and 22, 3 to 4 p.m.

Being prepared certainly lessens the stress of an upcoming move. Learn innovative and proven ways to make your move a smooth one—“Know Before You Go.” This is a mandatory class for individuals departing the Academy.

Sponsorship Training

July 14, 8 to 9 a.m.

This class is for those who have been assigned to sponsor a newcomer to the Air Force Academy. Contact your unit sponsorship monitor for details and to get signed up for this class.

Key Spouse Training - Commanders and First Sergeants

July 14, 3 to 4:30 p.m.

The Academy Key Spouse Program enables open communication between unit leaders and families.

Civil Service Class

July 15, 8 a.m. to noon

Learn how to submit a federal résumé, search for internal and external vacancies and apply for Air Force Federal Civil Service employment.

Newcomers’ Orientation and Information Fair

July 15, 9 a.m. to 3:30 p.m.

Mandatory orientation for all newly assigned Air Force Academy personnel.

Spouses are welcome to attend. Event is held at the Milazzo Center.

From Stuck to Unstoppable

July 20, 9 a.m. to noon

Career search not going anywhere? Come and learn how to jumpstart your job search engine and take yourself to the next level of motivation.

Résumé Writing

July 21, 9 a.m. to noon

Learn different types of résumé and cover letter styles and how to improve your own. Improve your résumé to make it work more effectively for you.

The main purpose of the résumé is to earn an employer to call you for an interview. If your résumé is not doing this for you, then it probably needs some refinement.

Key Spouse Training — Initial Training

July 22, 8 a.m. to noon

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

Red Carpet Base Tour

July 23, 8:15 a.m. to 2:30 p.m.

This is an informative base tour that gives insight into the Academy’s mission and reveals most of the events/activities to see and do while stationed here. Stops include the Academy Equestrian Center, Cadet Chapel, Arnold Hall, Arts and Crafts Center, Outdoor Recreation and more.

Transition Assistance Program (TAP) Seminar

July 26-30, 7:30 a.m. to 4:30 p.m.

Separating in a year or retiring in two years or less? TAP workshop is designed to provide you with the knowledge and skills necessary for a successful transition into the civilian workforce after your military career is completed. Learn interviewing skills, résumé writing, networking, negotiations, deal making, 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.

Pikes Peak or Bust Rodeo

Rodeo days are coming back to Colorado Springs, with the Air Force Academy day at Pikes Peak or Bust Rodeo scheduled for July 17 at the Norris-Penrose Event Center downtown. Proceeds are donated to local military installations. For more information and to buy tickets, call TicketsWest at 719-576-2626 or go to www.ticketswest.com.

Renaissance Festival

The Colorado Renaissance Festival runs each weekend now through Aug. 1, rain or shine. Admission is $18.95 for adults; $8 for those 5-12 and free for anyone 4 or younger. The fest is at Larkspur, near Interstate 25 between Colorado Springs and Castle Rock.

Free entry to museums

Museums across the nation have partnered with Blue Star Families to grant military members and up to five family members free admission to participating museums. This offer is good through Labor Day. Participating museums are listed at www.arts.gov/national/bluestar museums.

Free summer concerts

The First and Main Town Center on Powers Boulevard starts its 6th annual free summer concert series Friday through July 30, 5-7 p.m. Today’s summer concert artist is The Parable Sons. Upcoming acts are provided via the Pikes Peak Blues Community, and local artists such as: Lattigo, Parable Sons, Phat Daddy, Martini Shot, George Whitesell & His All Stars, Brickyard and Arch Hooks. For more information, visit www.firstandmaintowncenter.com.
Your Source To Reach The Military Market
719.634.5905