



MISSILEER



Vol. 51 No. 27

Patrick Air Force Base/Cape Canaveral Air Force Station, Fla.

July 10, 2009

Eastern Range continues to show off 'flexibility'



AFSPC Force realignment

3



A&FRC becomes EFACC

8



Joint Airlock for ISS

9



Capt. Jeff Koch was one of many who had to ensure that required airspace and "seaspace" was clear on launch day.



Photos by Jennifer Macklin

The Eastern Range recently supported four launches within only 27 days. "A lot of meticulous things had to happen in a specific order in a short amount of time," said Maj. Ray Fernandez, above.

*45th Space Wing
Public Affairs*

Nine spectacular launches have occurred here on the Eastern Range (ER) from Cape Canaveral Air Force Station (CCAFS) so far this year, with number

10 expected to occur Saturday night when Shuttle Endeavor blasts off from Pad 39A. With just hours left until the count-down finally hits zero and Endeavor lights up the Central Florida sky, many people may be wondering when

Endeavor recently scrubbed, what the Wing had to do to ensure that an Atlas V rocket carrying the Lunar Reconnaissance Orbiter/Lunar Crater Observation and Sensing Satellite

See Range, page 6



Air Force Space Command: delivering space and missile capabilities to America and its warfighting commands

It's not the bike; it's the rider

By Brig. Gen.

Edward L. Bolton, Jr.

Commander, 45th Space Wing

I was deeply troubled by a report I read earlier this week detailing the considerable increases in motorcycle accidents involving our fellow blue-shirters service wide. Despite increased efforts to curtail this tragic trend, the number of accidents and deaths related to motorcycles continues to grow DOD-wide.

To put it in perspective, 366 servicemembers were injured and 35 lost their lives in motorcycle accidents in 2001. In 2008, however, 474 people were injured including 105 who died; basically a motorcycle death every three days for an entire year.

Many of these incidents could have been avoided with a little precaution and a lot more common sense. I'm not saying do not ride your bikes; I am saying ride your bikes smartly.

From the top

All bikers and passengers riding on base and servicemembers driving off base either on or off duty must wear the appropriate and required personal protective equipment. No exceptions.

Also, I want all my commanders and supervisors to interview each person in their squadron and determine if they are riding a motorcycle in accordance with all safety policies. No exceptions.

The results are clear that all our people here at Patrick hold themselves to a higher standard when it comes to their work and to accomplishing the mission. Now I am asking you to hold yourselves to that same high standard when it comes time to be safe in your off duty time. Think about what you are doing, see the inherent risk, and make the right choice to protect yourself and everyone else

around you, on and off the road.

We can ill afford to lose sight of the big picture here - I'm not just talking motorcycle safety but an internal safety mindset. Don't become a statistic and don't let your fellow Airmen become one either. If you see something is unsafe or observe certain trends that need to be stopped, have the courage to do so. Don't sit idly by; clearly lives depend on it.

Motorcycles are not necessarily to blame for all these tragic and unnecessary deaths we have seen; a lack of sound judgment and risk-management might be. Together we can change these troubling statistics and we as a military family can save each other from tragedy.

It may sound childish, but we can save lives if you will simply take care of yourselves by having the right training, wearing the proper PPE, be properly rested, have a plan and watch out for one another. We're a family; act accordingly. Thanks again for all you do.

Warrior Ethos - Part of an Airman for life

Col. Florence Valley

Commander, 45th Medical Group

When I joined the Air Force 27 years ago I'm certain I could not have used "Warrior Ethos" in a sentence and know what I was saying. But today, I feel it in my heart. I know it'll be with me forever - a gift which will continue to mature and serve me well the rest of my life.

I'm a process nut and see many things as pieces and parts. So when I reflected about what I wanted to share about what "Warrior Ethos" means to me, I found myself thinking about the basics.

For me, Warrior Ethos isn't just about the courage and leadership skills needed to be at the tip of the spear - it's about being part of the fight and being confident in your

Commander's Corner

skills so you are ready to respond no matter who or where you are because we never know when we will be called into action.

Many of us are preparing for the upcoming Operational Readiness Inspection. Every element we will be tested on is an element of contingency operations. From the ability to communicate, to deploying people to being able to triage the injured - it's all about being prepared to act. And none of us will be able to do it alone.

That's why we all need to be personally invested - and that takes time and practice. I know some days just don't seem long enough, but we must prioritize because our country is counting

on us - all of us. It's not good enough to be just OK.

So stop yourselves from thinking about how the exercises are putting a crimp in your life and get personally involved. We need everyone to be at the top of their game - and not because the IG is coming, but because the same skills we use for a contingency are great skills for getting the mission accomplished each and every day.

I'm at the end of my active duty career, but I know the "Warrior Ethos" instilled in me throughout my career will be with me forever - and for this I will always be grateful. I am also grateful to all who have made this assignment a highlight of my career. Best wishes on proving to the IG that Patrick knows what "Warrior Ethos" is all about.

Missileer staff

Brig. Gen. Edward L. Bolton, Jr.

45th Space Wing Commander

Mr. Brad Swezey

Chief of Public Affairs

2nd Lt. Karl Wiest

Deputy Chief of Public Affairs

2nd Lt. Trisha Guillebeau

Chief of Internal Information

Master Sgt. Robert Burgess

NCOIC

Mr. Chris Calkins

Editor

Mrs. Teresa Christopher

Mrs. Juanita McNeely

Layout Coordinators

Mrs. Jennifer Macklin

Mr. John Connell

Photographers

Published by Cape Publications, Inc., a private firm in no way connected with the Air Force, under exclusive written contract with the 45th Space Wing, Patrick AFB, Fla.

This civilian enterprise Air Force newspaper is an authorized publication for members of the U.S. military services. Contents of the Missileer are not necessarily official views of, or endorsed by, the U.S. government, the DoD or the Department of the Air Force.

The appearance of advertising in this publication, including inserts or supplements, does not constitute endorsement by the DoD, the Department of the Air Force or Cape Publications, Inc., of the products or services advertised.

Everything advertised in this publication shall be made available for purchase, use or patronage without regard to race, color, religion, sex, national origin, age, marital status, physical handicap, political affiliation or any other non-merit factor of the purchaser, user or patron.

Editorial content is edited, prepared and provided by the 45th Space Wing Public Affairs Office. All photographs are Air Force photographs unless otherwise indicated.

Cape Publications
Advertising Department

P.O. Box 419000

Melbourne, FL 32941-9000

Retail: (321) 242-3808

National: (321) 242-3803

Classified: (321) 259-5555

Missileer

1201 Edward H. White II St.

Building 423, Room C-130

Patrick AFB, FL 32925

(321)494-5922

missileer@patrick.af.mil

PAFB Info Line - 494-4636

Submission deadline is 2 p.m.
the Friday before publication.

AFSPC resources increased by force structure realignment

By Tech. Sgt. Kimberley Harrison and Maj. Vanessa Hillman
Air Force Space Command Public Affairs

PETERSON AIR FORCE BASE, Colo. - The Air Force recently released its proposed FY10 force structure announcement, supported by the FY10 President's Budget, resulting in an increase in personnel throughout Air Force Space Command, civilian and military.

"The proposed increase of approximately 700 positions across the command

will help AFSPC meet our ongoing commitment to space and cyberspace missions," said General C. Robert Kehler, commander of AFSPC.

Final decisions will be made only after the appropriate environmental analyses have been completed and the National Environmental Protection Act conformity requirements have been met, according to the USAF Force Structure announcement.

"The proposed Air Force end strength supports its emerging Total Force missions to provide

unsurpassed Global Vigilance, Global Reach and Global Power: to fly, fight and win in air, space and cyberspace. It also complements AFSPC's recently released vision statement" he said.

VISION: Vital to today's fight and the future of US national security, Air Force Space Command will be the leading source of emerging and integrated space and cyberspace capabilities to deliver responsive, assured and decisive power to America and its warfighting commands.

The force structure announcement is a result of the continual review process ensuring Air Force senior leaders are using their manpower positions and assets for the highest priorities.

"A balanced approach means finding the right balance between prevailing in today's operations with today's capabilities, while simultaneously investing in new capabilities and force structure to meet tomorrow's threats," said Secretary of the Air Force Michael B. Donley.

According to the



Photo by Jennifer Macklin

Capt. Shawn Lee, 1st Range Operations Squadron, works the control board in the Morrell Operations Center on Cape Canaveral Air Force Station during a recent launch.

report, the force structure changes will enhance the Air Force's ability to create, protect and sustain all air, space and cyberspace forces across the full range of military operations and will help the Service meet Joint and Air Force recapitalization benchmarks.

"America's ability to operate effectively across the spectrum of conflict is enabled by our space and cyberspace capabilities. The Air Force is "All In" today's Joint

fight and AFSPC is fully engaged as shown in our mission statement," General Kehler said.

MISSION: AFSPC provides an integrated constellation of space and cyberspace capabilities at the speed of need.

This unique capacity and perspective, fielded by a battle-ready, responsive and forward-thinking team of America's best, is the engine behind precision strike, global awareness and data connectivity capabilities crucial to the

Joint Forces and key to the future US military advantage.

Operating within the cyberspace domain has become an increasingly critical requirement for our networked force.

The force structure changes will better reflect the missions AFSPC Airmen are accomplishing, such as providing early warning, space situational awareness, military satellite communications, positioning, navigation and timing and weather capabilities.

MILESTONES



The following individual has been selected for promotion to the rank of Technical Sergeant:

Staff Sgt. Christopher T. Ellard
45th Civil Engineer Squadron



Diamond Sharp Award Winner:
Outstanding Customer Support and leadership

Staff Sgt. Melissa S. Henry
45th Force Support Squadron

WARRIOR OF THE WEEK



Name, Rank, unit, and duty title:

Sheena Harvey, 1st Lt,
1st Range Operations Squadron,
Range Control Officer

How long have you been at this duty station?

1 year, 5 months

What is your hometown (city, state)?

Raleigh, North Carolina

What's your favorite motto?

"Life consists not in holding good cards but in playing those you hold well."

What inspired you to go beyond the call of duty?

I do what needs to be done and I give it my all. I do not limit myself; I learn from others around me and try to be a student everywhere.

Why do you serve in the Air Force?

To serve a higher calling and be a part of something bigger than myself.

Reason for nomination:

Simply put, Lt Harvey's contributions to 1 ROPS are enormous. She is a Range Control Officer assigned to an upcoming operation where she will be responsible for ensuring range instrumentation can meet launch agency and range safety requirements. We depend on her to edit, track and maintain our critical ops plans that are the basis for range day-of-launch operations for the range. She is in charge of safeguarding vital historical launch data for all launches. Regardless, she still finds time to run our PT program, which touts a 100% pass rate and a 30% excellent rate. On top of that, she is our rep for OPSEC, EET, voting, government purchase card, and she even helped organize a squadron fundraiser that brought in over \$300! She's a fire-and-forget weapon with a great attitude.

Capt. Jason Judge, Flight Commander

Veteran Space Shuttle Astronaut Visits Patrick Today

Veteran space shuttle astronaut Jon McBride will be available for photos and autographs at the Patrick AFB Information, Tickets & Travel Office today from 10 a.m. to 2 p.m.

A special drawing will be held for a chance to win two admission tickets to the Kennedy Space Center Visitor Complex, lunch with an astronaut, a NASA Up Close Tour, and a two-night stay at the Best Western Ocean Beach Hotel and Suites/Days Inn in Cocoa Beach.

For more information, call the Information, Tickets & Travel Office at 494-5158. (No federal endorsement of prize contributors intended.)

Hang 10 at Rocket Lanes

The Rocket Lanes Bowling Center has a new program that is running now thru Aug 15. It's called "Hang 10 at Rocket Lanes." Bowlers can pick up a 10-punch card at the bowling center and receive a punch with every paid game they bowl. Completed punch cards can then be turned in for a weekly prize drawing. Bowlers may complete more than one punch card.

A grand prize drawing of \$250, \$150 and \$100 will be awarded on Aug. 21. Prizes must be claimed by Sept. 1. Bowlers who are enrolled in Youth Programs' FitFactor program can also earn points by participating in this bowling center program. For more information, call 494-2958.

Kennedy Space Center Military Salute

The Kennedy Space Center announces the new "Salute to America's Heroes" offer to active duty and activated Guard and Reserve U.S. military personnel. Those eligible can enjoy free admission to the Visitor Complex and discounted ticket offers for family members and friends now thru Labor Day, Sept. 7. Tickets are valid through Dec 15, 2009. For more information, call the Information, Tickets & Travel Office at 494-5158.

Air Force Personnel Accountability and Assessment System (AFPAAS)

AFPAAS is a website designed to help Air Force personnel and their families directly affected by natural and man-made disasters. It provides a tool to report your status, current

location, update emergency contact information and request assistance. It also helps Air Force leadership to account for personnel and to make decisions that support you and your family.

The system is available to all Air Force affiliated personnel and their family members. This includes active duty, select Reserve, DAF and NAF civilians, AF contractors (OCONUS) and their family members, including personnel on temporary duty status, on leave or on a pass in the affected area.

To access the system, go to <https://afpaas.af.mil>. If you are displaced from your home or office, or do not have access to a computer, you can contact someone with Internet access and ask them to use AFPAAS on your behalf. You can also call your command representative or one of the following agencies: Air Force Personnel Readiness at 1-800-435-9941 or 1-210-565-2020/DSN 665-2020, or the AFPAAS Help Desk at 1-866-946-9183 or 1-619-533-8167/DSN 553-8167.

For more information, call the 45th Force Support Squadron's Airman & Family Readiness Center at 494-5676.

Walk Around the World

Help Youth Programs reach their goal of walking 42,000 miles (the distance to every Air Force base in the U.S.) by Nov 5, 2009. Their FitFactor "Walk Around the World" program is for youth ages 6 - 18.

Youth must be a registered participant in the FitFactor program to log miles walked.

Prizes will be awarded and parents may register in the FitFactor program to help achieve the goal. For details and to register, call 494-9096.

Lodging Offers Priority One Status for Returning Deployed

To show appreciation for your service to our country, the Space Coast Inn has implemented a new Air Force initiative that offers military members returning from deployments Priority One status for lodging. Just show a copy of your official orders when making reservations or at check-in. Pets (in authorized pet-friendly family units if available) and family members are included in this offer.

Room rates run from \$39 a night for a single room to \$52 a night for a 3-bedroom fully equipped family unit. For more information, call 494-6590.

Summer Camp Slots Available

Give your K- 6th grader a well supervised, fun and safe place to be this summer. Youth Programs' School Age Program Summer Camp offers a great variety of extended fun and educational activities that enable continuous learning for children while parents complete their workday. For more information, call 494-4749.

Sailing Classes

Learn to sail Outdoor Recreation's 16-foot catamaran!

Classes are held every Saturday (except the second Saturday of each month) from 2 - 3:30 p.m. Cost is only \$45 per person and includes both classroom and on-the-water instruction.

Once you complete the training, you can take advantage of Outdoor Recreation's value-priced sailboat rental program.

Want to learn how to sail a bigger boat? The Manatee Cove Marina offers sailing lessons on a 27-foot Catalina.

The course includes a minimum of six hours on the water, and instruction on docking, GPS, charting, etc., for only \$250 per person.

For more information and to register for sailing classes, call 494-2042 (Outdoor Recreation) or 494-494-7455 (Manatee Cove Marina).

Family Aquatic Fitness

The Patrick Fitness Center has a great way for you to spend quality time with the family.

The Family Aquatic Fitness Program runs through Sept. 18 and is held Mondays, Wednesdays and Fridays, from 9:30 - 10:30 a.m. and also from 4:45 - 5:45 p.m. at the lap pool. It is designed for families with children ages 10 and up.

A certified lifeguard and swimming instructor will lead families in lap swimming, aqua jogging and circuit training. For more information, call 494-4947.

Keystone Club

Youth Programs is searching for teens who would like to take the Keystone Club and make it their own.

This leadership group is exclusively for youth ages 14 - 18 and is an excellent opportunity for teens to learn leadership skills and make a difference within the Youth Center and the community.

For information, call 494-4747.

Eastern Range 'flexibility'

Range, from page 1

(LRO/LCROSS), which is now orbiting around the moon, could launch safely just 39 short hours later?

"That answer is simple," said Maj. Ray Fernandez, 1st Range Operations Squadron (ROPS). "A lot of meticulous things had to happen in a specific order in a short amount of time. And due to the tremendous efforts of our entire launch team here we were able and will continue to be able to rapidly respond to a changing launch schedule and the needs of all our range customers," he said.

Demonstrating remarkable flexibility and a "can do" attitude, the ER's Technical Support

contractor completely changed the configuration of range systems from the Endeavor's high-inclination trajectory set up to that of the Atlas V's trans-lunar trajectory in time to accurately pickup the Atlas V countdown. The 1st ROPS scheduling section also de-conflicted and rescheduled all the required instrumentation and operational assets necessary to support the Atlas mission. They also coordinated to ensure that required airspace and "seaspace" was clear on launch day.

Then the 45th Weather Squadron provided incredibly accurate forecasting and data on a clear spot between typical Florida evening summer storms that allowed the Atlas V to launch on one of

only three one-second opportunities.

This is just the most recent example of the range's flexibility and responsiveness to customer launch and processing schedules. Another example occurred in March of this year, when the Range supported four launches within only 27 days. All told, the Range went through five complete reconfigurations in less than one month:

- March 7 - Delta II Kepler (hyperbolic Earth-escape trajectory) launch.
- March 11 - STS-119 scrub.
- March 15 - STS-119 (high-inclination ISS rendezvous mission) launch.
- March 17 - Atlas V WGS mission scrub.
- March 24 - Delta II GPS IIR-20 (easterly inclination medium Earth orbit) launch.

- March 28 - STS-119 landing at Kennedy Space Center

- April 3 - Atlas V WGS mission (easterly inclination into geosynchronous orbit) launch.

Not only does the range rapidly respond to launch schedule changes, but normal launch campaigns include innumerable dress rehearsals, tanking tests, facility maintenance and vehicle/instrumentation checkouts ... over 22,000 activities each year!

The Range's ability to deconflict this kind of asset utilization and to accommodate customer processing and launch schedules demonstrates exemplary resiliency. This bodes well for Operationally Responsive Space missions and their necessary flexible



Photo by Jennifer Macklin

Capt. Jason Judge helped to launch the Lunar Reconnaissance Orbiter/Lunar Crater Observation and Sensing Satellite (LRO/LCROSS), which is now orbiting around the moon, less than 39 hours after the Shuttle was scrubbed last month.

scheduling.

"I am very proud of the combined government and contractor team," said Col. Jim Ross, commander, 45th Operations Group.

"Their outstanding dedication and flexibility to support the Atlas V LRO/LCROSS launch illustrates why we say 'Control of the Battlefield Begins Here!'"

Facts about mold

**By Capt
Jennifer Lepper**
45th Aeromedical
Dental Squadron

As summer approaches and humid weather settles in, mold will make its annual appearance in homes and buildings.

Mold that is normally in the air becomes challenging when it settles on moist surfaces and begins to grow, causing structural damage in addition to potential health problems for building occupants.

It is important to take action to prevent mold growth in homes or offices well before summer begins.

Building occupants can prevent or eliminate most mold growth.

The first step is to create an atmosphere that is not conducive to growth. A dehumidifier goes a long way toward minimizing the mold-friendly environment.

Also, keep windows and doors closed to avoid excess humidity and condensation.

Next, if the contaminated area is less than 10 square feet, it can be wiped down with a solution of one part bleach and 10 parts water.

DO NOT MIX



Photo by John Connell

Staff Sgt. Brandi Durant, 45th Medical Group, checks her work area for mold. Molds can grow on virtually any substance, as long as moisture or water, oxygen, and an organic [food] source are present. Molds reproduce by creating tiny spores (viable seeds) that usually cannot be seen without magnification. Mold spores continually float through the indoor and outdoor air, reports the U.S. Occupational Safety and Health Administration.

BLEACH WITH AMMONIA; it will create harmful vapors!

If the moldy area is larger than 10 square feet, it may be necessary to hire a professional to remove the water-damaged area, but be wary of businesses claiming to test or sample mold.

The Centers for Disease Control and Prevention and Environmental Protection Agency do not advocate mold testing because test results provide little useful information.

No matter what species or how many spores are present, the remediation process is the same.

In addition, every person has a different threshold for mold sensitivity, so a higher quantity of airborne mold does not necessarily mean more health problems.

Anyone who experiences symptoms they suspect are caused by mold, should visit their physician to be evaluated.

If necessary, the

doctor can direct an evaluation of the patient's on-base house. Those with no symptoms who see mold should notify their building manager so he or she can take appropriate steps to remedy the situation.

Mold is all around central Florida, but prevention and control can mitigate its effects. More information may be found at: www.epa.gov/mold or <http://www.cdc.gov/mold/default.htm>.

Let's go for a ride!

15 July 1100 - 1300

First 65 to RSVP get a free commemorative shirt.

Where: Start @ Tides
Who: All PAFB and CCAFS riders
Lunch: \$8 Pulled Pork sandwich, BBQ Chicken, potato salad, baked beans
What: Mentorship ride to re-emphasize safe riding techniques!
RSVP by 10 July with 45 SW/SEG 494-2202



In times of trouble, call a friend

A&FRC becomes one-stop shopping center ... for help

By Chris Calkins

45th SW Public Affairs

As we all know, living here in Florida, especially during the often dangerous and always tough-to-predict hurricane season can cause some serious concern and real-life dilemmas for many 45th Space Wing personnel.

In the event of such a catastrophe, by direction of Gen. Edward L. Bolton, Jr., the Wing's commanding general, the Airmen and Family Readiness Center becomes the installation Emergency Family Assistance Control Center and acts as the focal point for helping the 45th Space Wing community – and our tenant activities – address, prepare for, and

respond to crisis situations.

“A catastrophic event could produce mass casualties and displace members of our communities from their homes, schools, and places of employment,” said Ms. Lillian Cassidy, Chief, and A&FRC. “Damage to transportation, communication systems, and other critical infrastructure could impact our families both on and off base. If that’s the case, they need to know we (the EFACC) are here to help them get through any situation by doing whatever needs to be done,” she said emphatically.

She also was quick to remind folks that several other agencies will be on hand to offer much needed help if necessary.

In addition to

the A&FRC staff, EFACC representatives include Mental Health, Chapel, Base Legal, Finance, Force Support, Casualty Assistance, Public Affairs and the American Red Cross, as well as other Non-government Organizations (NGOs) as appropriate who can provide:

- Assessment of people needs impacted by the disaster
- Emotional/spiritual support
- Mental Health assessment and intervention
- Financial counseling and financial aid (Air Force, Navy, Marine, Army, Coast Guard)
- Financial counseling on military benefits and entitlements, and assistance to federal employees
- Legal assistance

as required, i.e., filing a claim for lost or damaged personal property, counseling and preparation of Wills and Powers of Attorney

- Child Development Center staff to provide on-site child care
- Travel and relocation assistance when needed

“One of our missions is to provide support to every member of the Total Force and Total Family.” Ms. Cassidy said. “We also want to provide a consolidated staging area where families and individuals (to include families of the responders) can obtain disaster relief assistance and/or support, current information from leadership, and contingency services. Think of us as a place where you



“When the wing is up and running again, we know we've done our job, with the help of a whole lot of very caring people. We really do have your back around here”

Ms. Lillian Cassidy
CHIEF, A&FRC

can do your one-stop shopping ... for help.”

The bottom line, she said, is a rapid return to a stable environment and mission ready status for the Wing.

“When the wing

is up and running again, we know we've done our job, with the help of a whole lot of very caring people. We really do have your back around here,” she said with a smile.

History Highlights

Joint Airlock for the International Space Station

By Mark C. Cleary
45th SW History
Office

Early on July 12, 2001 the Space Shuttle Atlantis lifted off Complex 39B to deliver the Joint Airlock to the International Space Station (ISS). The mission was a major milestone in the development of the ISS. It completed Phase II of the station's assembly, and it ensured the ISS had enough hardware to support three-person crews on a continuous basis.

Air Force Lt. Col. Steven Lindsey commanded Atlantis on the mission, and Marine Corps Major Charles Hobaugh piloted the orbiter. The mission specialists were Dr. Michael Gernhardt, Dr. Janet Kavandi, and Dr. James Reilly. In addition to delivering the airlock and its high-pressure oxygen and nitrogen tanks, Atlantis' crew assisted the ISS crew with the module's installation. After rolling into a flight azimuth of 47.6 degrees, the Shuttle achieved a 177-nautical-mile-high orbit and



Courtesy Photo

Astronaut Susan Helms (aboard the ISS) operated the Canadarm-2's controls to lift the airlock from Atlantis' cargo bay to the station.

climbed to an altitude of 205 nautical miles. Following the rendezvous early on July 14th figured in Greenwich Mean Time (GMT), Atlantis docked with the U.S. Destiny Lab in preparation for the transfer operation.

With Dr. Kavandi at the Shuttle's robot arm controls, astronauts Gernhardt and Reilly performed the mission's first spacewalk on the 15th. Dr. Gernhardt disconnected the airlock from the cargo bay's electrical support system.

Astronaut Susan Helms (aboard the ISS) operated the Canadarm-2's controls to lift the airlock from Atlantis' cargo bay to the station. Once the airlock was on the station, Gernhardt and Reilly connected the airlock to the space station's electrical system and assisted Colonel Helms as she finished maneuvering the airlock into place. Over the next two days, Shuttle and ISS astronauts worked inside the airlock to activate various

systems and connect them to the ISS.

Gernhardt and Reilly accomplished their second spacewalk on the 18th, and they helped attach two oxygen tanks and one nitrogen tank to the airlock. The Canadarm-2 reportedly performed "flawlessly" during the spacewalk.

The astronauts departed from the new Joint Airlock on their third spacewalk on July 21, 2001.

During that operation, the astronauts assisted ISS crewmember James Voss as he placed the final gas tank for the airlock.

Astronauts Lindsey and Hobaugh undocked Atlantis from the ISS at 0430 GMT on the following day. Though two landing opportunities were cancelled on July 24th, the Shuttle made a successful landing at the Kennedy Space Center at 0339 GMT on 25 July 2001. The highly successful mission concluded Phase II of the International Space Station's assembly. Phase III entailed the assembly of a 300-foot-long truss on the ISS, slated to begin in early 2002.

My prayer in the midst of pain

**By Chaplain
(Lt. Col.) John Baker**
45th SW Chapel

Here I am again,
falling down before
You.

Again I offer myself
and my whole life to
You, trying to trust
You in everything,
trying to trust that,
basically, I wonder
whether it is possible
that the question,
“Why is there suffer-
ing?” is the same as
the question, “Why is
there evil?”

According to Your
Word, when You cre-
ated the world, You
declared that every-
thing was good.

So what happened?
How did the suffering
get in?

Of course, it doesn't
take much to answer
that!

You have told us
in Your Word, that
through the prompt-
ing of the Evil One,
Your children, whom
You created to have
continual commu-
nion with You in Love
and Joy and Peace,
disobeyed You and
decided that they



Chaplain's Corner

knew better than You.
And thus Your whole
magnificent creation
fell into disharmony
and disunity.

Enter death, pain
and suffering!

So, Lord, how can
we make sense out of
this in our lives, now?

Do we have to sim-
ply accept that pain
and suffering have
entered Your world
and ours because of
our own sin, by our
own free-will choice to
follow evil instead of
good, to put ourselves
and our own will as
number one in our
lives, instead of put-
ting You at the center
of our lives as Numero
Uno?

Is it possible, God,
that we could actually
look at suffering as a

blessing?

The lives of so
many martyrs speak
about how they
rejoiced at being
asked to accept
pain or deprivation,
because they would
be imitating Christ's
Way.

But maybe the good
to be welcomed from
pain is that it provides
us with opportunities
to overcome our own
self-centered egos.

Lord, it seems that
once we stop fighting
against and complain-
ing about our pain
and suffering (oh,
poor me!), that the
pain no longer has
such control over us.

And it seems that
once we can let go
of our self-centered
focus on ourselves
and our suffering,
that then we can cul-
tivate true humility.

And once we can
focus on You, instead
of ourselves, then we
can rely on and trust
in You.

If, in our suffering
and pain, we feel that
we have no control
over what is afflict-
ing us, then perhaps

we could make that
'quantum leap': to
stop relying on our-
selves, and rely on
You instead.

Perhaps this is
exactly what You
meant when You told
Your Apostle, St. Paul,
that in his weakness,
Your strength is mani-
fested and glorified.

Please, Lord, grant
me the grace I need
(and I sure need a lot
of it), to bless Your
Holy Name for every-
thing that You send
to me – the supposed
'good' and supposed
'bad.'

Please, Lord, grant
me the grace I need
to thank You as much
for pain and suffer-
ing and things that
appear to be 'bad,' as
for all the things that
appear to be 'good.'

Please, Lord, grant
me the grace I need to
learn obedience and
humility from accept-
ing whatever You send
to me in Your Infinite
Wisdom, so that I
might say with Job,
“The Lord gives and
the Lord takes away;
blessed be the Name
of the Lord!” Amen.

Patrick AFB Drinking Water Quality

Interested in your drinking water? The 2008 Annual Drinking Water Quality Report, also known as the Consumer Confidence Report (CCR), for Patrick Air Force Base (PAFB) is now available. The CCR is an annual drinking water report required by the Environmental Protection Agency, which provides detailed information on the water quality at PAFB. The report identifies such things as the source of our water, how it is

treated to ensure potability, and any water quality violations reported last year. It also provides points of contact to obtain additional information. PAFB had no water quality violations for 2008. The report was delivered to the base populace on 30 June 09. For additional information or copies of the publication, contact Staff Sergeant Durant from the Bioenvironmental Engineering Flight at 494-5435.

Events Calendar

July 10, 2009 Missileer **11**

Sunday 5	Monday 6	Tuesday 7	Wednesday 8	Thursday 9	Friday 10	Saturday 11
<p>12 Family Day Bowling Special \$1.25 Games 1-6 p.m.</p> <p>Sunday Brunch 10 a.m. – 1:30 p.m. The Tides</p>	<p>13 Boater Safety Training 9:30 – 11:30 a.m. Outdoor Recreation</p> <p>Story Time 10 a.m. Base Library</p>	<p>14 1st Term Airman Financial Management 8 a.m. – 4:30 p.m. AFRC</p> <p>Bowling Special 11 a.m. – closing \$1.25 Games</p>	<p>15 Bowling Special 11 a.m. – closing \$1.25 Games</p> <p>Bingo 6:15 p.m. The Tides</p>	<p>16 Active Duty Bowling Special 11 a.m. – closing Rocket Lanes</p> <p>Summer Reading Program 6 p.m. Base Library</p>	<p>17 Active Duty Bowling Special 11 a.m. – closing Rocket Lanes</p> <p>Teen Night 6 – 10 p.m. Youth Center</p> <p>Texas Hold'em Tournament 5 - 10 p.m. The Tides</p>	<p>18 Safe Boater Course 9:30 – 11:30 a.m. Outdoor Recreation</p> <p>Sailing Class 2 – 3:30 p.m. Outdoor Recreation</p> <p>95 Cent Bowling Special Rocket Lanes</p>
<p>19 Family Day Bowling Special \$1.25 Games 1-6 p.m.</p> <p>Sunday Brunch The Tides</p>	<p>20 Boater Safety Training 9:30 – 11:30 a.m. Outdoor Recreation</p> <p>Story Time 10 a.m. Base Library</p>	<p>21 Newcomer's Orientation 7:30 a.m. – 12 p.m.</p> <p>Bowling Special 11 a.m. – closing \$1.25 Games</p> <p>Pajama Club Story Time 6:15 p.m. Base Library</p>	<p>22 Fundamentals of Interviews 10 – 11:30 a.m.</p> <p>Car Buying 11 a.m. – 12:30 p.m. Spouse Orientation 1 – 3 p.m.</p> <p>BDU Swim Relay 11:30 a.m. Fitness Center Lap Pool</p>	<p>23 5 Ways to Give it Your Best at Work & at Home 11 a.m. – 12 p.m.</p> <p>Active Duty Bowling Special 11 a.m. – closing Rocket Lanes</p> <p>Summer Reading Program 6 p.m. Base Library</p>	<p>24 Active Duty Bowling Special 11 a.m. – closing Rocket Lanes</p> <p>Preteen Night 6 – 9 p.m. Youth Center</p>	<p>25 Safe Boater Course 9:30 – 11:30 a.m. Outdoor Recreation</p> <p>Sailing Class 2 – 3:30 p.m. Outdoor Recreation</p> <p>95 Cent Bowling Special Rocket Lanes</p>
<p>26 Family Day Bowling Special \$1.25 Games 1 – 6 p.m.</p> <p>Sunday Brunch The Tides</p>	<p>27 Boater Safety Training 9:30 – 11:30 a.m. Outdoor Recreation</p> <p>Missoula Children's Theater Auditions 10 a.m. Youth Center</p>	<p>28 Deployed Family Dinner 6 – 7 p.m.</p> <p>Active Duty Bowling Special 11 a.m. – closing Rocket Lanes</p>	<p>29 Wednesday Bowling Special \$1.25 Games 11 a.m. – closing</p> <p>Mini Lobster Season Dive Trip Outdoor Recreation</p> <p>Bingo 6:15 p.m. The Tides</p>	<p>30 Smooth Move 9 – 11 a.m.</p> <p>Active Duty Bowling Special 11 a.m. – closing Rocket Lanes</p> <p>Reading Program 6 p.m. Base Library</p> <p>Mini Lobster Season Dive Trip Outdoor Recreation</p>	<p>31 Active Duty Bowling Special 11 a.m. – closing</p> <p>Texas Hold'em Tournament 5 – 10 p.m. The Tides</p>	<p>AUGUST 1 Safe Boater Course 9:30 – 11:30 a.m. Outdoor Recreation</p> <p>Sailing Class 2 – 3:30 p.m. Outdoor Recreation</p> <p>Bowling Special \$1 Games 4 – 7 p.m.</p>

To publish events of base-wide interest in future issues, e-mail missileer@patrick.af.mil

First Term Airmen

Photos by 2nd Lt. Trisha Guillebeau



Anastacia Barela, Med Group
Hometown: Las Vegas, NV
Joined military for:
Career opportunities



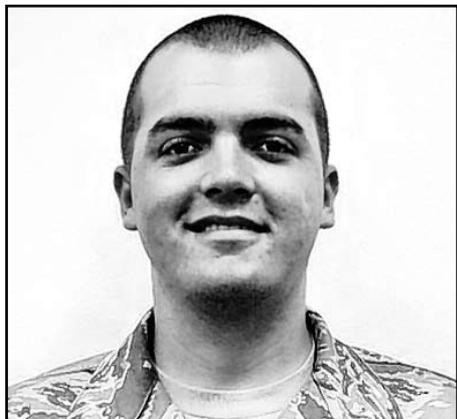
Tyler Carwile, SF
Hometown: Boonville, ID
Joined military for:
To travel and for the education opportunities



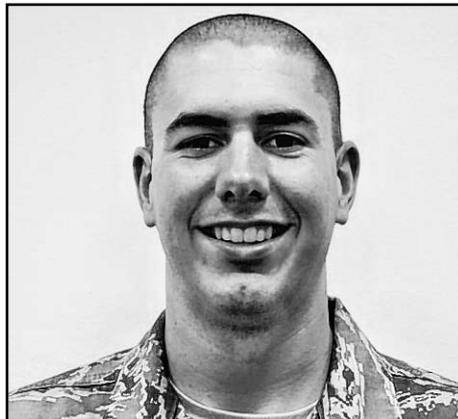
Jesslynn Earle, FSS
Hometown: Exeter, NH
Joined military for:
For a change and the great career opportunities.



Anna Foche, SF
Hometown: Palm Bch Harbor, FL
Joined military for:
I am interested in the political background of the military



Christian Gerhardt, AFTAC
Hometown: West Palm Beach, FL
Joined military for:
To serve my country and for the career opportunity



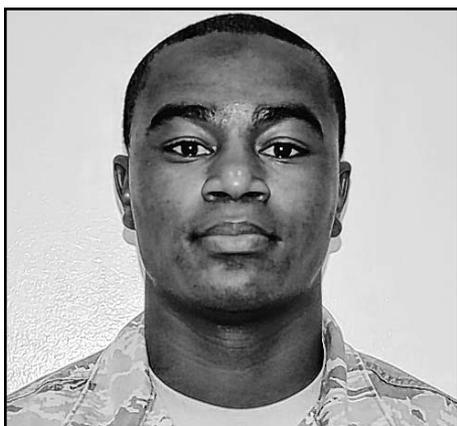
Devin Hansen, AFTAC
Hometown: Prairie City, IA
Joined military for: Outstanding career opportunities w/in the military



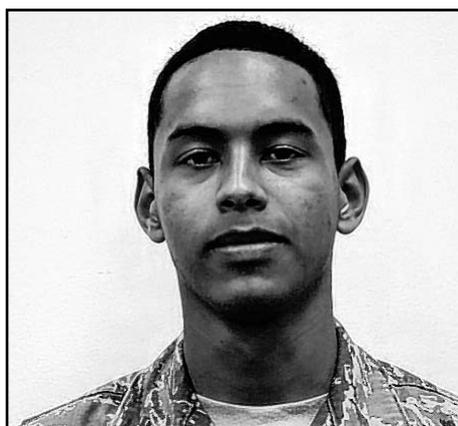
Eli Hanson, AFTAC
Hometown: Roseville, CA
Joined military for: The unique military opportunities



Ryan Jeffreys, SF
Hometown: Amherst, OH
Joined military for: Law enforcement experience



Reggie Malone, Med Group
Hometown: Murfreesbro, TN
Joined military for: Educational benefits and the job security



Denis Reyes-Cruz, CE
Hometown: Houston, TX
Joined military for: To better myself and increase my education



Jordan St. Arnold, SF
Hometown: Des Moines, IA
Joined military for: Expand my education and to travel



Blaine Vaughan, AFTAC
Hometown: Antlers, OK
Joined military for: Educational opportunities, like Master's degree



Adaptive Golf Carts

The Manatee Cove Golf Course recently procured two adaptive golf carts. The Solo Rider carts (no federal endorsement of product intended) are for golfers with handicaps/disabilities. The carts enable those individuals to drive onto greens and tees with no impact to the turf, drive over rough terrain with confidence, easily enter and exit using a 350 degree swivel seat, play from an elevating seat, and are easy to handle with ergonomic controls.

To use the carts, golfers need to be trained/certified. A training session can be arranged by calling 494-GOLF. The training session lasts approximately one hour. After completing the training, handicapped/disabled golfers must call 24 hours ahead of their tee time to reserve an adaptive cart and will need proof of training/certification when utilizing the carts.

Cobra Club Fitting

Every Thursday the Manatee Cove Golf Course hosts a free club fit check with their new "Cobra Fitting System." The check, conducted by PGA Professional Steven Waggoner, takes approximately 20 - 30 minutes and determines if your clubs are the right fit for you. Proper fitting clubs can help your shots from curving to the

right or left and can improve distance. If new and properly fitting clubs are needed, there will be special pricing available for any clubs ordered from the fitting sessions. For details, call 4947856. (No federal endorsement of product intended.)

Rediscover Golf Special

Patrick AFB would like to invite golfers to "Rediscover Golf at Manatee Cove Golf Course" for free! Pay just \$45 and get unlimited greens fees for one calendar month. After that, if you decide to join for an entire year, the golf course will knock the \$45 off your annual golf pass and start your new subscription the day you join. This promotion is valid for new or returning golfers who were not a prior discount cardholder (annual pass/fee/punch card) within the past 12 months. Special is valid Jun 1 - Oct 31, 2009. For more information, call 494-GOLF.

Happy Birthday Golfers

The Manatee Cove Golf Course offers a free round of golf with cart on your birthday. If you are already an Annual Greens Fee Holder (AGF), you will receive a free cart rental (free rounds/carts are good on birth date only - must show ID). Then, any other day in your birth month, golfers play for free with cart when they bring in

a threesome that pays regular priced green and cart fees. For more information, call 494-GOLF.

Guest Rate Special

The Manatee Cove Golf Course has a great guest rate special. Your guests can play 18 holes with greens fee and cart for only \$30. For details, call 494-GOLF.

Foursome Special

The Manatee Cove Golf Course has a fantastic special for foursomes, valid anytime after 11 a.m. For just \$100, your foursome will get 18 holes of golf with greens fees, carts and range balls. The special includes lunch.

If you play before 3 p.m., you get your choice of a club sandwich or a cheeseburger combo. After 3 p.m., you get your choice of any pre-made sandwich or salad. Guests are also included in this special. For details, call 494-GOLF.

Golf Course Open to Public

The Manatee Cove Golf Course is now open to the public. Civilians who want to play on the course can download a base access application form at www.GoPatickFL.com and fax or e-mail the form to the golf course. For more information, call 494-GOLF.