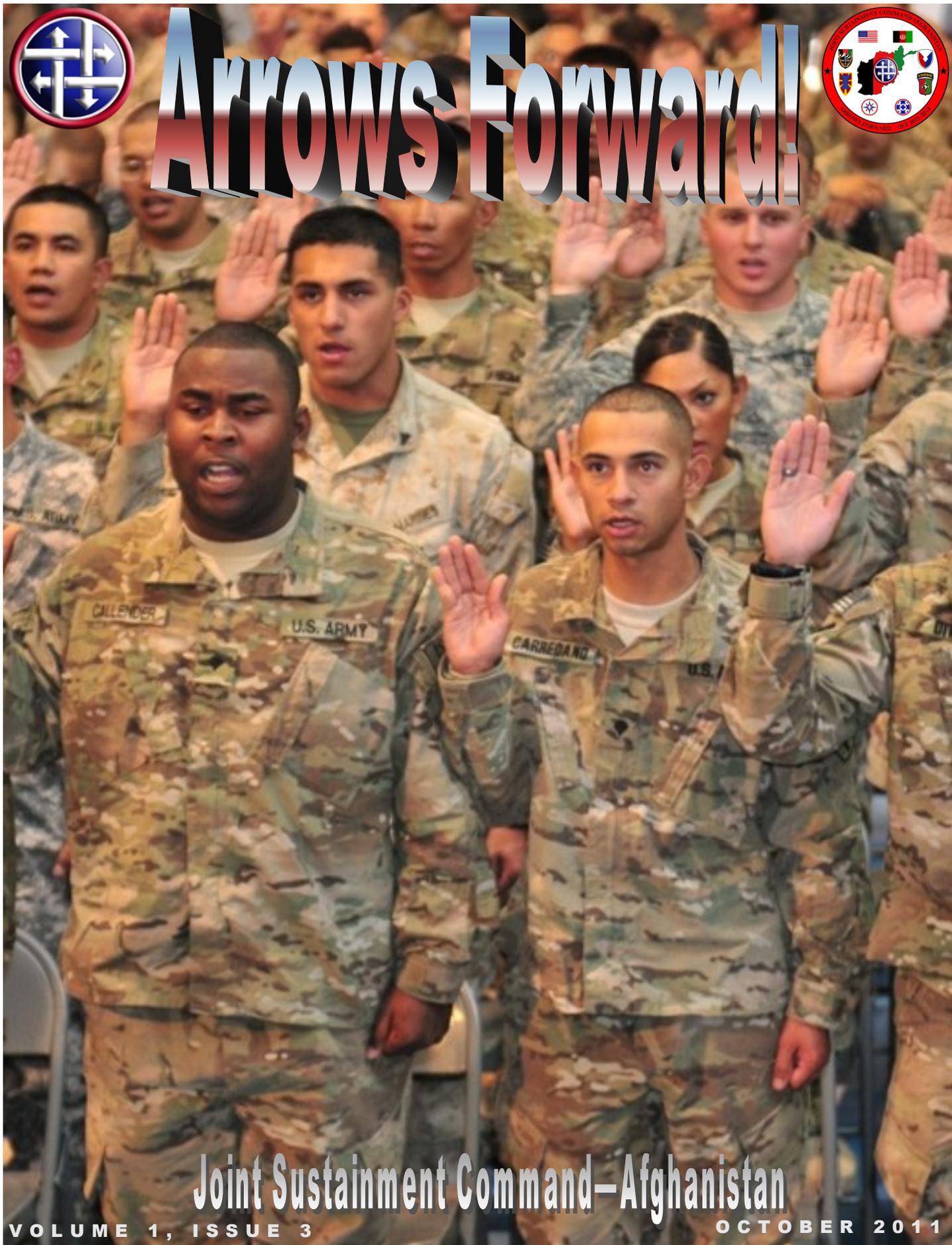




Arrows Forward!



Joint Sustainment Command—Afghanistan

VOLUME 1, ISSUE 3

OCTOBER 2011

From HHC - 2nd Lt. Sandra Richards

Congratulations to SPC Ryan Pierce-J9 and SSG Scott Jackson-SPO, for their selection as Soldier of the Month and NCO of the Month respectively. Congratulations to SPC Brittany Bibbs on her advancement to E-4/SPC. Arrows Forward!

HHC also participated in the coalition sponsorship "Lift and Sustain Slovcon" in which 6 Maxx Pro's were transferred to the Slovaks to support their missions.

HHC has been working endlessly

to ensure mail handling is distributed daily. As we face the upcoming holidays we ask that all Soldiers within the JSC-A ensure all boxes are labeled correctly for accurate delivery:

Last Name, First Name
4th ESC
APO AE 09355

Fortunately, with a mail rush coming up, there has been a timeline distributed by the Military Post Office to ensure all Soldiers receive their gifts and care packages on time!

of R&R attendees retuning we have been able to work out all issues ensuring a smooth transition for all Soldiers departing and arriving back at KAF. We have successfully processed over 50 R&R packets without any dilemmas. We continue to ensure all Service Members are well educated on all procedures regarding R&R so they are able to enjoy their time at home with family, friends, and a well deserved vacation!

Every Soldier within HHC and the Company is doing a great job. Keep up the hard work and dedication. Every Service Member within the JSC-A has a key role and our missions would not be successful without the caliber of Soldiers we have.

"Arrows Forward"

JOINT SUSTAINMENT COMMAND—AFGHANISTAN

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APO/FPO/DPO AE ZIPs 084-088	Dec 17	Dec 10	Dec 10	Dec 3	Nov 26	Nov 12
APO/FPO/DPO AA ZIPs 340	Dec 17	Dec 10	Dec 10	Dec 3	Nov 26	Nov 12
APO/FPO/DPO AP ZIPs 962-968	Dec 17	Dec 10	Dec 10	Dec 3	Nov 26	Nov 12

As we close in on our second group

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Search for "Arrows Forward" at www.dvidshub.net or follow us at the official page of the 4th ESC or JSC-A on Facebook or Flickr.



ATV Safety

ATVs are increasingly popular among Soldiers and Civilians. They can be useful for work and fun to ride, but they can also be dangerous. Understanding the right way to safely ride the right-sized ATV for you is important before you ride.

Experience counts when utilizing an ATV. All new riders must take a training course. Proper gear, techniques for riding on different terrain, and other like tips will be covered. ATVs are not toys! They are powerful and potentially dangerous vehicles. ATVs can travel at speeds in excess of 60 miles per hour and can weigh in excess of 700 pounds. ATVs can easily roll and tip over. Their unpredict-

able nature in on-road and off-road conditions makes training and proper use essential. Many ATV injuries are head injuries. Wearing a helmet may reduce the severity of these injuries and is mandatory.



The U.S. Army Tank-Automotive and Armaments Command (TACOM) released Safety of Use Message (SOUM) 03-006 warning of the danger of serious injury or severe vehicle damage if drivers ignore the warnings in the commercial off-the-shelf John Deere tech-

nical manuals. In accordance with the SOUM, M-Gator users should adhere to the following limitations:

The M-Gator shouldn't be used to evacuate litters or carry casualties. In the event of a rollover, soldiers in litters are likely to be crushed.

At no time should more than two riders (the driver and one passenger) be on the M-Gator. The cargo load limit of 500 pounds must be followed, and the driver and passenger must wear helmets and eye protection while the vehicle is in motion.

All loads over 50 pounds must be strapped securely to the rear cargo tie-downs or to the cargo shelf in the front of the

vehicle.



The M-Gator is not towable-doing so will damage the chain drive, transaxle, and tires. In addition, the M-Gator had not been evaluated for its towing ability, so operators should not attempt to tow trailers behind the M-Gator.

Ammunition must be placed on a pallet and strapped securely in the rear cargo area.

The M-Gator meets neither DoD nor Army Regulation 385-55 safety standards for use on public roads. M-Gators should not be operated on public roadways-except when crossing over them-and then only at designated crossing points or with road guards.

Shared Knowledge is Power! - Knowledge Management

Knowledge Management continues to work with sections and subordinate commands to develop knowledge processes and maximize available tools.

KMRs are working toward mastering key processes on SharePoint. Specifically, dynamic lists that save work hours, improve accuracy, and enable quick access to commodity executive summaries.

The JSC-A Global Navigation tool bar has been standardized in order to meet one fundamental requirement: Go anywhere on the JSC-A portals, from anywhere. See your KMR if you have any questions or call the KM section.

Our latest KMR meeting featured

the introduction of new SharePoint 2010 training (Levels 1, 2, and 3). Level 1 is basic SharePoint 2010 for everyday users. Level 2 is for KMRs and is an increase in the collaboration capabilities through the development of lists and workflows.

There are several sections that have already implemented dynamic knowledge sharing products on their portal sites. Call the KM section to see examples of integrative SharePoint products that can be designed for your sections.

As a reminder: Having your key documents, one copy, posted on the portal is the first step toward sharing that knowledge to the rest of the command and beyond. When closing out

your Z: drives and moving your work to the portals, remember to leave behind old documents that you will not be using. SharePoint's "Versioning" capability will ensure you have all versions of your critical documents. Another opportunity to shed old documents is during our conversion to SharePoint 2010 from SP 2007. (Conversion will take place later this month)

The entire command is doing a great job of emailing links to documents as opposed to attaching documents to emails. This is a best practice that saves server space, bandwidth and ensures only one version of a document is checked in and out for editing.



Healthy Choices – Sgt. 1st Class Benjamin Cuevas

Choices, choices, choices...when it comes to food choices, small changes in your diet can make large differences in health. In this article I would like to focus attention on one nutrient: Fat.

Fat in the body provides cells with energy. In fact, it provides twice the energy of carbohydrate and protein. The Dietary Reference Intake and Dietary Guidelines for fat is 20-35% of total calories consumed (preferably from polyunsaturated and monounsaturated fat sources like fish, nuts or olive oil/vegetable oil). With all the different types of fats (i.e., saturated, unsaturated, monounsaturated, polyunsaturated, and trans-fats) is there any wonder why there is so much confusion regarding this topic. Below I will discuss the good and the bad of fats.

Good Fats: Unsaturated Fats

There are two types of unsaturated fats, monounsaturated fat and polyunsaturated fat. Unsaturated fats in the diet in lieu of “Bad Fats” (which will be discussed in further detail below) may be one of the most effective dietary strategies in preventing cardiovascular disease. The good fats can “improve blood cholesterol levels, ease inflammation, stabilize heart rhythms, and play a number of other beneficial roles”. Unsaturated fats are liquids at room temperature.

Monounsaturated Fat sources:
Olive oils, canola oil, peanut oil, avocados, almonds, hazelnuts, pecans, pumpkin seeds and sesame seeds.

Polyunsaturated fat sources:

Vegetable oils such as corn oil, sunflower oil, safflower oil, and flaxseed oil. Foods such as walnuts, flaxseeds, and fish (salmon, mackerel, sardines).

Bad Fats: Saturated Fats

Because our bodies can produce saturated fat from dietary intake it is not an essential fat. Saturated fat therefore falls into the bad category because it is not essential to consume and they are implicated in cardiovascular disease. Saturated fats are solid at room temperature.

Saturated fat sources: Primarily animal sources such as whole milk, cream, butter, cheese, and fatty cuts of meat are high in saturated fat. Other

- Choices

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EO CORNER – Lt. Col. Rose Bean

National Disability Employment Awareness Month (1-31 October, 2011)

The Americans with Disabilities act of 1990 is a law that was enacted by the Congress in 1990. It was signed into law on July 26, 1990, by President George H. W. Bush, and later amended with changes effective January 1, 2009.

The ADA is a wide-ranging civil rights law that prohibits, under certain circumstances, discrimination based on disability. It affords similar protections against discrimination to Americans with disabilities as the Civil Rights Act of 1964.

Notable People with Disabilities

Franklin D. Roosevelt – President
(Post Polio Disability)

Helen Keller – Author
(Deaf/Blind)

Henry Winkler – Actor
(Dyslexia)

Clara Barton – Founder American Red Cross
(Stutter)

David Beckham – Soccer Player
(Obsessive Compulsive Disorder)

Albert Einstein – Scientist
(Dyslexia)

Ray Charles – Musician
(Blind)

Word from the Provost Marshall

The month of October marks three months that we have been here. Now is not the time to get complacent about securing not only government equipment but personal possessions as well. Theft is on the rise and many of the incidents are crimes of opportunity. Remember to lock your door when you leave your room. Don't leave items lying around unsecured just inviting someone to walk off with your stuff. Don't leave valuables inside of a vehicle, locked or not. Take the time to secure government and personal property; don't let your stuff become someone else's treat and a trick on you.



THE "IG-TEAM"



I want to be promoted!

Because of a recent spike in complaints concerning enlisted promotions, I would like to present some material on the Army's new enlisted promotion system.

Soldiers interested in promotion to sergeant or staff sergeant must always update their personnel and training records even after the implementation of the Army's revised promotion system. The Adjutant General Directorate (TAGD) and U.S. Army Human Resources Command (HRC)'s revisions to the semi-centralized promotion system will help the Army and the U.S. Army Reserve promote the best-qualified junior enlisted Soldiers.

The revisions are designed to focus on Soldier skills and ensure fairness. The active component has gone live with an automated promotion point worksheet, or Department of the Army Form 3355, since 2 May 2011. The Army Reserve will adopt the automated system simultaneously but will use a revised hard copy promotion point worksheet until automated support becomes available. Revisions of the semi-centralized promotions system affect several key areas. First, points calculated for sergeant focus on Soldier skills, while those for staff sergeant focus on leadership. Second, the new system eliminates commander and selection-board points. The elimination of these points does not minimize the chain of command's role in the promotions process because the chain of command must recommend the Soldier to the next grade. The promotion board will provide the promotion authority a

recommendation (go/no-go) based on each Soldier's potential. Third, Soldiers will only receive promotion points for completed correspondence courses instead of earning points for completion of sub-correspondence courses. Fourth, promotion points will be awarded for combat deployments. For the active component, Army-level enterprise systems, including the Army Training Requirements and Resources System, will provide promotion data automatically to update the revised automated promotion point worksheet.

Soldiers will have to make sure their promotion points accurately reflect creditable promotion-point data, according to the chief of enlisted promotions in the TAG at HRC. If you fail to do this and don't meet the cutoff score because of it, you won't receive an exception to policy for addition to the by-name list. Failure to update records is considered lack of due diligence and not a valid justification for an exception to policy.

The new promotion system is a win-win situation. It reduces paperwork, and it's faster and more accurate. The 800-point format will remain in place, and the revision of the system won't reduce the number of monthly promotions that the Army has forecast. If you have any questions, contact your local S-1. If you have any issues, first give your chain of command time to address the issue. However, if you have exercised these channels and received no help, please feel free to call the JSC-A IG at DSN 318-421-6568.

MSG FRANK HARRIS
Assistant IG



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Medical staff simulate saving lives

Story and Photos by
Sgt. Edwin Rodriguez

KANDAHAR AIRFIELD, Afghanistan – Combat medics from the Special Troops Battalion, Task Force Resolute, 7th Sustainment Brigade, conduct standardized combat medical training at the Medical Simulation Training Center Oct. 8 on Kandahar Airfield.

Soldiers and airmen participated in training under combat conditions to further enhance their abilities to provide War fighters the best care.

The MSTC provides the technology and training aids to medics enabling them to gauge their immediate response and care capabilities. Service members reacted to a scenario involving service members injured during an indirect fire or an improvised explosion device attack. The training hoped to be as realistic as possible, according to Lt. Col. Douglas Maurer, officer in charge of TF-Resolute medical operation section.

“Each mannequin has the capacity to be manipulated with mock injuries, wounds, cuts, and missing limbs,” said Maurer. “Each mannequin is also attached to a computer system which records and simulates internal injuries like air circulation and internal wounds.”

The mannequins used at the MSTC can simulate breathing, talking, and bleeding, said Gerald Smith, Combat Life Saver Training Coordinator for MSTC. When a Soldier bandages a wound, seals a punctured lung or gives the mannequin morphine, Smith inputs that information and the mannequin reacts accordingly.

“The data that I receive from the



Spc. Anaesthesia Ezeka, combat medic with Special Troops Battalion, Task Force Resolute, 7th Sustainment Brigade, dresses simulated wounds on the lower extremities of mannequin during combat medical training Oct. 8 at the Medical Simulation Training Center on Kandahar Airfield.

medics, be it clearing an airway or how many cubic centimeters [CCs] of saline he or she used, will dictate the scenario,” said Smith. “For example, if I input that Soldier A [mannequin] was given a breathing tube and Soldier A had breathing problems, then I communicate to that mannequin to breathe.....You then see the mannequin’s chest rise and fall.”

Response time and skills are the tools medics use in the field.

What a medic does in the first ten minutes of care is crucial to that service member’s survival, said Sgt. Benjamin Ulery, combat medic with TF Resolute.

“We are expected to engage on patients quickly,” said Ulery. “Whether it is us or combat life savers, nothing is more important than treating Soldiers as fast as possible.”

Many times during an attack of some kind, there are many service members around that can aid in the process. Teamwork is imperative and was encouraged during the training, said Spc. Kaylea Wilson, combat medic, also known as health

care specialist, with TF-Resolute.

“During the scenario, as we assessed injuries, we split up who would do what type of treatment,” said Wilson. “Working together increases the patient’s recovery time vastly.”

Not only can response time potentially save a life, but the precision of care during stressful moments after an attack. Medical care is a perishable skill if not constantly honed, said Maurer.

Practical application cannot be done without the proper tools. First responders have an extensive list of important items at their disposable.

“We simulated injuries so that the medics can have hands on training with tourniquets used to stop bleeding from major limbs, chest tube kits to alleviate breathing and pelvic and neck slings to stabilize those areas which may be internally fractured or broken.”

In a combat zone, the time it takes from an injured service member to being treated by medical surgeons

– Medical
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- Choices

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sources include hydrogenated fats, coconut oil, palm oil, kernel oils (often found in pastries, doughnuts, cookies, candies and processed foods).

Healthy Selections: Eat lean cuts of meat, skinless chicken or fish. Select fat-free dairy products and non-hydrogenated margarine, or margarine made from vegetable oils. Use unsaturated cooking oils described above. Try to keep intake of saturated fats as low as possible.

Baddest of the Bad Fats: Trans Fats

Trans fats are also known as trans-fatty acids. Trans Fats are not commonly found in nature. Dietary Trans fats are then produced by a process called hydrogenation. In hydrogenation, liquid vegetable oils are heated in the presence of hydrogen gas which in turn changes the chemical composition and chemical properties of the fats. The benefits of hydrogenation are prolonged shelf

life and altered food textures (margarine and shortening are examples). Also, partially hydrogenating a vegetable oil makes them more stable for repeated frying as is done with several fast foods. Trans fats are detrimental to your health. This fat has a more severe impact on cholesterol than saturated fats. Trans fats also trigger inflammation that has been implicated in cardiovascular diseases, stroke, diabetes and other chronic conditions. "Even small amounts of trans fat in the diet can have harmful health effects. For every extra 2 percent of calories from trans fat daily – about the amount in a medium order of fast-food French fries – the risk of coronary heart disease increases by 23 percent. Eliminating trans fats from the U.S. food supply could prevent between 6 and 19 percent of heart attacks and related deaths, or more than 200,000 each year," according to the Harvard School of Public Health.

Trans fats sources: Snack chips, hydrogenated or partially hydrogenated margarine (margarine is still

preferable to butter, but be sure to be selective as described below), deep-fried foods, commercially prepared baked foods, cakes, doughnuts, pastries, processed foods, french-fries.

Healthy Selections: Be selective when using margarines, oils and food products by selecting non-hydrogenated products. This is accomplished by reading the food label, specifically the nutrition information (trans fat contents) and ingredients list. Words and phrases such as "partially hydrogenated" or "hydrogenated" in the ingredients list are red flags (note: ingredients are listed by order of amount contained in the product). Eat trans fats sparingly.

Quoting Doug Larson: "Life expectancy would grow by leaps and bounds if green vegetables smelled as good as bacon." The many tastes and smells of foods can make our food choices a hard habit to change, but if we keep in mind the risks and benefits of our dietary choices we will be better equipped at eating healthy.

- Medical

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can be much shorter than it is in a normal hospital emergency setting. It is those first medical providers that make the difference between Soldiers, Sailors, Marines or Airmen surviving an injury or not. It was critical for Maurer to get STB medics, which work on the Role I aid station on KAF, to continually work on the skills.

"This is the setting where I want them to learn from their mistakes and ask questions. Out in the battle field it is how you react that will save someone's life."



Three soldiers with Special Troops Battalion, Task Force Resolute, 7th Sustainment Brigade, work together to treat simulated wounds of a mannequin during combat medical training at the Medical Simulation Training Center Oct. 8 on Kandahar Airfield.

Sgt. Jackeedra Wimbley, left, a combat medic with Special Troops Battalion, Task Force Resolute, 7th Sustainment Brigade, works with Senior Airmen John Henry, attached to STB, to assess the simulated injuries of a mannequin during combat medical training at the Medical Simulation Training Center Oct. 8 on Kandahar Airfield.



Family travels same roads

Story and Photo by Spc. Michael Vanpool, 101st Sustainment Brigade Public Affairs

BAGRAM AIR FIELD, Afghanistan – Staff Sgt. James McCullough deployed to the Persian Gulf with the 101st Airborne Division in support of Operation Desert Storm nearly 21 years ago. His son, Ryan, was born the day after he arrived back from his combat tour.

Fast forward to Operation Enduring Freedom in Afghanistan: James and his first son, Spc. Ryan McCullough, are both providing convoy security in the same unit, the 1138th Transportation Company, a Missouri National Guard unit attached to the 142nd Combat Sustainment Support Battalion, 101st Sustainment Brigade.

The company resupplies service members in eastern Afghanistan where the roads range from the urban center in Kabul to steep mountainsides. Both the father and son ride in gun trucks through these roads. James serves as convoy commander, in charge of all the gun trucks in the convoy, while Ryan drives the scout truck, the first gun truck in the line of vehicles.

The McCulloughs, natives of St. Charles, Mo., are in different platoons, so they are never in the same convoy together. However, they both drive the same roads.

“I go on the same routes he does, I know the dangers,” James said. “It’s made me better on purpose. I think to myself, ‘What would I want my son’s convoy commander to do to optimize his safety, the whole convoy’s security?’ I take that mentality and drill it into my platform.”

While the unit learned the rigors of driving in Afghanistan before deploying, James applied some of his knowledge from his previous deployment in support of Operation Iraqi Freedom. The terrains of the two countries are different, but the mission remains the same.

“He’s experienced the same things I am now,” Ryan said. “But now, we’re both working through the same experiences. I get to learn from him not just as a Soldier but also on a personal level.”

When the training and preparation is done, the father, son and rest of the unit go on their own roads, traveling from base to base.

“Seeing a lot of these guys grow has been phenomenal,” James said, “and seeing my son alongside them is just incredible.”

For the Soldiers of the 1138th Trans. Company, there is little down time. There’s always another mission on tap



Staff Sgt. James McCullough, a convoy commander with the 1138th Transportation Company, a Missouri National Guard unit attached to the 142nd Combat Sustainment Support Battalion, 101st Sustainment Brigade, stands with his son, Spc. Ryan McCullough. Both father and son provide convoy security and resupply service members throughout eastern Afghanistan.

when they return to Bagram Air Field. With just a few days in between convoys, both McCulloughs load into their own gun trucks, and they roll out in different directions.

“There’s times when he’s on the road and I’m on the road, so we don’t see each other that much,” Ryan said. “I’m always saying that I talk to my family back home more than him.”

Their family in Missouri is no stranger to the company. James’s father served in the unit and worked his way to become a platoon sergeant. When he was a young Soldier, James learned from his father while both were in the unit.

The fatherly wisdom and advice were the products of years in the company and a tour in Vietnam with the 101st Abn. Div.

– Family

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Naturalization Ceremony

Story by 2nd Lt. Brendalyn Tavel

Elmer Davis, head of the Department of War Information during World II, said: "This nation will remain the land of the free only so long as it is the home of the brave." On 28 September 2011, forty-five brave Soldiers, born in over twenty-five different countries, found a new home as American citizens. The Naturalization Ceremony was held at the Clamshell tent at Bagram Airfield. Ambassador Crocker, United States Ambassador to Afghanistan, as well as Lieutenant General Curtis Scaparrotti and Joint Sustainment Command-Afghanistan (JSC-A) Commander Brigadier General Les J. Carroll were keynote speakers at the event. The event was coordinated by JSC-A and United States Citizenship



Lt. Gen. Curtis Scaparrotti, International Security Assistance Force Joint Command commanding general, poses for a photo with one of the forty-five Soldiers who became American citizens during the Naturalization Ceremony, September 28, Bagram Airfield, Afghanistan.



Brig. Gen. Les J. Carroll, Joint Sustainment Command – Afghanistan commanding general, speaks during the Naturalization Ceremony, September 28, Bagram Airfield, Afghanistan.

Photos by Spc. Andrew Valles

BLACK REGIMENT – Staff Sgt. Daniel Clark, Chaplain's Office

The British army was the superpower of the day in 1776. America only had a rag-tag army, was poorly paid and they had few uniforms. Their weapons were often what they brought from home. If they had any cannons, they were those taken from the British. And the soldiers often had to survive without adequate food and shelter. By contrast, they faced one of the most feared armies in the world. British troops were the best trained and equipped of any army of the day. Other nations looked at this conflict and doubted these colonial soldiers could ever succeed. Few doubted these "freedom fighters" would prevail. But they did, and one of the reasons they prevailed was that they had a secret weapon. A secret weapon so

powerful that even King George feared it.

The Secret weapon was a powerful brigade of soldiers that Britain referred to as the "Black Regiment." They were such a powerful force for the cause of freedom that, before the Revolution started, the British governor of Massachusetts made the statement that if the Black Regiment ever came out in force to support the Revolution, England would lose. So, what was this "Black Regiment"? And what was it about them that made Britain fear it? The Black Regiment was made up of preachers throughout the Colonies. Their weapon was the Bible. And their battlefield was the pulpit. They were called the "Black Regiment"

because they wore black robes when they preached. Some sources refer to them as the "Black Robed Regiment." It was their moral leadership and influence that enabled America to become a free and independent nation.

JSC-A has over ten RST (Religious Support teams) throughout Afghanistan and is committed to the same beliefs that the Black Regiment had. These ministers preached what they preached because they believed that the very essence of good religion and spiritual growth came from the idea that liberty is a sacred gift from God and that the united Colonies of America had been chosen by God to guard the sacred lamp of liberty. 'PRO DEO ET PATRIA' - FOR GOD AND COUNTRY.



Support Operations – Supply and Services

The SPO Supply and Services (S&S) Branch consists of 21 Military Service Members and 2 Civilian employees located on Kandahar Airfield. The Supply and Service Branch's mission is broken out in to four sub sections. Class I, Class III, Multi-Class and Mortuary Affairs. The Team is led by Lt. Col. Jerry Clary (Branch Chief), Maj. Clint Barnes (Deputy Branch Chief) and Master Sgt. Dean Chilton (Branch NCOIC).

The SPO S&S Class I section is a four soldier team led by Maj. David Fosdick and Sgt. 1st Class Katrina King. The section also includes Chief Warrant Officer 2 Elmer Brewer (Food Service Warrant) and Staff Sgt. Jackson (night shift) The team supports 130,000 people (troops and civilians) in the Combined Joint Operations Area - Afghanistan (CJOA-A) with

– Family

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"I learned a lot from my father," James said. "Whether I wanted to or not, I absorbed how my father ran his platoon and how he did things. Some of those things I didn't understand until later in my military career."

Just as James learned from his father in the company, Ryan got up to speed on the essentials of running convoys in the months leading up to the unit's deployment. When they both arrived here this past spring, James had no choice but to watch his son drive off.

"He had to become his own man," he said. "I couldn't build him."

Class I (Prime Vendor - DFAC items, Operational Rations and bottled water) located in over 500 FOBs, COBs and COPs, and more austere environments all over the country. The Class I team has been involved with several good news events since our arrival.

JSC-A Class I supported CENT-COM's effort (6-12 September 2011) to bring over 40,000 steaks from Outback Steakhouse and Armed Forces Entertainment (band and comedian) to Kandahar, Tarin Kowt and Spin Boldak. The Class I section specifically coordinated with 7th Sustainment Brigade to provide support to the Outback staff. King, Jackson and Ms. Vicki Lee (DLA) escorted Outback Steakhouse staff around KAF, and coordinated for rides in an MRAP. Brewer (as a qualified former 92G - cook) even helped BBQ the Outback steaks. Fosdick coordinated with SPO Air Mobility Lt. Col. Jeff Henderson, to request dedicated flights for Outback cooks and entertainment to TK and Spin B as well as requesting support from J-3, HHC and 645th RSG to provide support for the entertainment piece at the Boardwalk. Overall, the event was a huge success and a great example of working together with other JSC-A sections and subordinate units to provide a special experience for our troops.

Recently, JSC-A Class I answered the "call to support" to provide a FOB hit by a VBIED with much needed Class I support while they re-built facilities destroyed by the attack. JSC-A Class I coordinated with the 101st Sustainment Brigade's Class I OIC, Chief Warrant Officer 2 Daniel Barker to provide the FOB with 7 - Multi-Temperature Refrigerated Containers, 8 pallets of frozen food, and 12 pallets of dry goods to include bottle water within 48 hours of the incident.

The Class IIIB and Bulk Water Section are staffed by five military personnel, led by Capt. Raymond Martinez and Staff Sgt. Ruben Juarez who also manages the Helium Operations for the section. 1st Lt. Matthew Riley is the Officer in Charge for Supply and Service Night Shift but is assigned to Class IIIB. Chief Warrant Officer 2 Morris Montgomery is assigned as the JSC-A Fuels Officer and controls day to day operations for fuel issues. Sgt. Jessica Forrest is the REPOL NCOIC who sends out the daily fuel accountability report and communicates daily with both Sustainment Brigades to ensure accurate accountability of fuel. The section's mission is to insure that Bulk Petroleum Operations are managed effectively by the Sustainment Brigades for mission success.

Since their arrival in theater, they have tackled many challenges. The team successfully requisitioned nine Self Contained Above-Ground Tanks (SCAT) to help relieve AVGAS shortages. They have also completed a Meter Calibration Contract that will replace or repair over 1,200 calibration meters throughout the CJOA-A. The Section also managed Tactical Fuel Management Defense Systems (TFMD) installation at 36 locations within the CJOA-A. This initiative will help better account for all bulk petroleum products. TFMD will be installed at other sites throughout the country once the original thirty six have been tested and meet Army Regulations and Standards. Class IIIB Section also distributes and receives daily reports that reflect issues, receipts and the tracking of all bulk petroleum products and Bulk Water storage and delivery. The reports are viewed by higher commands including the Joint Chiefs of Staff. The mission of the JSC-A Mortuary Affairs section is to coordinate

– SPO

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Scientists bring energy solutions to the desert

Story and Photos by Summer Barkley, 401st AFSB Public Affairs

BAGRAM AIRFIELD, Afghanistan—How to heat and cool in the desert without attempting to heat and cool the desert itself is a question that has to be answered when planning and building camps and operating bases in Afghanistan. The easy answer is generators and then more generators.

Another answer is offered by Project Manger-Mobile Electric Power (PM-MEP) in the form of the Afghan Microgrid Project, or AMP. Forward engineering support of the project is provided in part by the Research, Development and Engineering Command's Field Assistance in Science and Technology - Center nested in the 401st Army Field Support Brigade. The 401st AFSB, working through its parent, Army Sustainment Command, delivers integrated logistics solutions to operating forces - in this, case reliable power generation featuring centralized distribution and efficient use of resources.

When a camp or operating base is first set up, Force Provider packages, Project Manager-Force Sustainment Systems, provide all life support and other structures needed by the unit. Power is generated by tactical quiet generators, or TQGs. As the footprint expands, commercial generators purchased locally or provided by contractors are often added to augment the existing point generation. Often this results in more power being produced than is actually needed. Generators are run constantly and consume fuel at a constant rate regardless of power demands that may fluctuate during the day. Running generators at a low load results in "wet stacking," which decreases efficiency, increases pollution and reduces the time between maintenance actions and useful life of the equipment.

The RFAST-C team and PM-MEP installed a one-megawatt microgrid at Camp Sabalu-Harrison that can replace up to 20 60-watt TQGs that had been collectively producing more than 1,300 kilowatts of power to meet a demand of less than 400 kilowatts. The microgrid can be configured through distribution networks to provide power to 66 structures, and has the advantage of being able to match power generation with demand, as opposed to running stand-alone generators 24 hours a day.



Joe Barniak, a contractor, programs the Intelligent Micro Grid control at Camp Sabalu-Harrison. The one-megawatt microgrid is replacing 20 60-kilowatt generators and providing power to more than 60 structures at the camp. The computer controlled microgrid provides reliable power matched to demand loads and peak demand times at a lower cost per kilowatt hour with reduced wear and tear on generators while achieving energy efficiency and reduces the number of sites that fuel trucks must service throughout the camp.

"The microgrid balances supply and demand," said Lt. Col. Alan C. Samuels, RFAST-C director, 401st AFSB.

"The microgrid includes a computer-controlled system that senses demand and provides centralized distribution instead of point generation."

"The Intelligent Micro Grid provides 100 percent power to the end user," said Joe Barniak, a contractor with PM-MEP, who keeps the microgrid running and collects daily system data. "It delivers what's needed at the time they need it without having to take a generator off-line for maintenance."

The four large generators in the microgrid system are turned on and off automatically by the system as peaks and valleys in power demand occur throughout the day.

Barniak said the microgrid captures fuel usage and fuel efficiency and generates load profiles. The microgrid generators are rotated automatically by the system's computer to balance the number of hours on all engines.

"It's nice to see technology get out of the RDECs [research, engineering and development centers] and put to use," said Michael J. Zalewski, RFAST-C mechanical engineer who focuses on power management.

Force protection and logistics also enter into the picture

— Scientist

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– Scientist

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according to Samuels and Zalewski. Samuels said each set of stand-alone generators that are scattered throughout the camp requires a fuel blivet that must be refilled on a regular basis while in the case of the microgrid fuel is delivered to one central point. This localization of fuel points and reduces the number of sites that fuel trucks must service throughout the camp, many times on a daily basis.

“Logistics issues arise from having to bring fuel forward by convoy or air drops,” Zalewski noted. He also added that there are other technologies that can be employed by expeditionary units to reduce dependence on fuel-powered generators and thereby reducing the number of fuel resupplies required.

Samuels said looking at demand issues is another step that can be taken to increase energy efficiency and reduce costs for power generation. Suggestions include using solar shades to reduce the thermal loading

on tents, tent insulation to reduce the thermal losses to the outside environment and improved environmental control units that have been developed by PM-MEP.

So, back to the initial question of how not to heat and cool the desert – there are a number of answers, but given the right set of conditions, a microgrid provides reliable power matched to demand loads and peak demand times at a lower cost per kilowatt hour with reduced wear and tear on generators while achieving energy efficiency and improving force protection.

– SPO

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timely and accurate evacuation of all human remains and personal effects from theater to Dover Port Mortuary.

The Team also provides life support for MACPs through Sustainment Brigades, as well as executive guidance for MA operations in the Combined Joint Operations Area-Afghanistan. The section is led by Capt. John O’Brien and Sgt. 1st Class Ernest Gonzales. The night shift is lead by 1st Lt. Nelson Garcia-Rivera and Sgt. 1st Class Angel Gonzalez.

The Mortuary Affairs (MA) section plays a key role in the Dignified Transfer process. It starts when MA is notified that a Fallen Hero is expected to arrive on Kandahar Airfield (KAF). MA notifies all necessary parties to include the sustainment brigade, Air Mobility, and the 645th RSG. When the Fallen Hero arrives on KAF, the remains are brought to the Mortuary Affairs Collection Point (MACP). The MA section notifies the necessary sections that our Fallen Hero is on the ground. Once the 645th RSG receives the notification from the MA section, they alert all of KAF to fly US colors at half-staff. When the flight arrangements are made the dignified transfer ceremony time is determined. The Fallen Hero is loaded on an MRAP and transported from the MACP to the waiting plane. Hundreds of service men and women line up to pay their final respects to the Fallen Hero. The Mortuary Affairs personnel are set back from the ceremony and are recognized by their lack of headgear – an MA SOP. As Amazing Grace sounds, the flag-draped transfer case is hoisted by troops from the Fallen Hero’s company onto the plane. After the personnel in the ceremony are dismissed, the MA personnel transfer authority of the remains to the flight crew. Once the plane departs, the message is sent that our

Fallen Hero has departed KAF and U.S. colors may once again be flown at full staff.

The SPO S&S Multiclass section has been put to the test since the July RIP TOA. The main purpose of this section is to provide support to the two major sustainment brigades with regard to multiple classes of supply. Each SB provides direct support to all the units in the battle field across the CJOA-A. With the assistance of our strategic supplier DLA, DDD-E, DDKS and DDKA, our efforts have increase the readiness of the war fighter in the battlefield. The multiclass section consists of four members, lead by Chief Warrant Officer 2 Pavonay Walters, Sgt. 1st Class Jerry McClellan, Staff Sgt. Maria Juarez-Cortez, Sgt. Tyler Casey and civilian ADO (Army Direct Ordering) official, John Crotwell .

This diverse section has overcome many obstacles as well as saved the American taxpayers money. By working with SPO Mobility to reduce detention cost from the container Carrier Holding Yard to pushing high priorities request from the Supreme prime vendor yard. The Multiclass section played a major role in the diversion of 1,189 containers in effort to return supplies back in the system. Multiclass has also initiated operation CL IV Squeeze with our strategic partners DLA in an effort to reduce excess ordering of class IV. This effort is designed to enable the Sustainment brigades to work on filling open requisitions in the SSA’s with the Class IV already available in containers within the CJOA-A.

The Multiclass section is assisting with establishing the first Retro Sort yard in the CJOA-A at Kandahar Airfield, Afghanistan. This project will increase the velocity of movement as well as the disposition of excess equipment from off ramping units.



Joint Sustainment Command - Afghanistan
remembers and honors the sacrifices
of all our fallen heroes.

Sgt. Eppinger