

The

BULLET'N

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Picatinny Arsenal hosts Gen. Dunwoody during visit

By Audra Calloway
Picatinny Arsenal Public Affairs

PICATINNY ARSENAL, N.J. – On March 2, the Army's first female four-star general visited here for the first time since assuming her current position in November 2008.

Gen. Ann E. Dunwoody, commanding general of the Army Materiel Command, was in town touring Picatinny and meeting with the leadership of Picatinny Arsenal.

"I'm so impressed with the dedication and enthusiasm of the Picatinny workforce. They represent what's so good about America. They are dedicated patriots committed to supporting our deployed men and women and they do it with a sense of urgency because they know what they do saves lives," said Dunwoody.

Dunwoody toured several Picatinny laboratories and facilities, including the Prototyping Integration Facility where new products and manufacturing processes are designed.

In addition, she met with Army program development and management teams based here whose programs include remote weapons stations, small-caliber ammunition, counter-

"Four Star" continued on page 2



Gen. Ann E. Dunwoody, commanding general of the Army Materiel Command, takes aim on an M110 Semi-Automatic Sniper System during her tour of Picatinny Arsenal March 2.

Crane celebrates safety

By Tom Peske
Crane AAA Public Affairs

CRANE, Ind. – Crane Army Ammunition Activity employees passed a safety milestone of more than one million hours worked without a lost workday incident in December 2009 and continue to go strong.

On March 29, 2010 Crane indeed continued the

effort, clocking 1.5 million hours.

The one million milestone, marked from June 11, 2009, until Dec. 21, 2009, means the injuries encountered by CAAA employees were minor enough that no employee missed a full day of work after their injury. According to the CAAA

safety officer, the significance of the one million hours without a LWD is huge.

"Safety is an individual responsibility and it takes everyone working together to achieve 1 million hours without a LWD injury. This milestone has only happened three times in 30 years," CAAA Supervi-

sory Safety Engineer Walt Shearin said.

"Achieving a million hours without a LWD injury is significant for any organization involved in the type of work we do. This is especially significant considering the amount of overtime work we have done to meet the

"No loss" continued on page 3

Army swears in new acquisition leader

By Kris Osborn
From Army.mil

The U.S. Army announced that the Honorable Malcolm Ross O'Neill was sworn into office March 10, 2010 as the Assistant Secretary of the Army for Acquisition, Logistics and Technology (ASA (ALT)) by Under Secretary of the Army Dr. Joseph W. Westphal in a private ceremony at the Pentagon.

O'Neill was nominated for the ASA(ALT) position by President Barack Obama and confirmed by the U.S. Senate on March 4, 2010. As the ASA(ALT), he will serve as the Army Senior Procurement Executive, Science Advisor to the Secretary of the Army, and Senior Research and Development Executive. He also has principal responsibility for all Department of Army matters related to logistics.

In his new role, O'Neill will provide oversight for the life cycle management and sustainment of Army weapons systems and equipment from research and development through test and evaluation, acquisition, logistics, and fielding.

The retired three-star Army general assumes the duties of the ASA

Four star continued from page 1

systems. Many of these items are currently seeing service in Iraq and Afghanistan.

Picatinny officials said they enjoyed the opportunity to showcase their wares to the AMC leader.

Lt. Gen. William N. Phillips, Principal Military Deputy to the Assistant Secretary of the Army



Courtesy photo
Under Secretary of the Army Joseph Westphal administers the oath of office to Malcolm Ross O'Neill, the newly appointed Assistant Secretary of the Army for Acquisition, Logistics, and Technology, March 10, 2010, at the Pentagon. Judy O'Neill assisted in the swearing-in ceremony.

(ALT) as a key next step in a decorated, high-profile career as an Army officer, defense industry executive, and Chairman of the Board on Army Science and Technology for the National Academies.

Prior to his appointment as the ASA(ALT), O'Neill served in a number of high ranking positions, including private consultant; the Vice President and Chief Technical Officer at Lockheed Martin Corporation; Director of the Department of De-

fense Ballistic Missile Defense Organization; and as the Director, Army Acquisition Corps.

O'Neill's extensive experience in acquisition and program management includes service as the Commander, U.S. Army Laboratory Command; Director of Kinetic Energy Weapons at the Strategic Defense Initiative Organization; and Program Manager of the Army's Multiple Launch Rocket System.

(Acquisition, Logistics, and Technology) and Director, Acquisition Career Management, also spoke highly of Picatinny's mission and purpose during the visit.

"Picatinny is a national treasure that does extraordinary work for the Department of Defense, our war-

fighters and our nation," Phillips said.

Phillips served as Picatinny Arsenal and Joint Munitions and Lethality Life Cycle Management Command commanding general from May 2007 to January 2009.

Green energy efforts bring wind turbine to Tooele

By Eli Trapp

TOOELE, Utah -- Tooele Army Depot will soon join the ranks of those choosing renewable energy resources over conventional methods.

A wind turbine is scheduled for construction at Tooele this spring and is anticipated to generate 25 percent of the depot's electricity.

The turbine will stand at 225 feet tall with blade measuring 130 feet in length. The turbine will produce 1.5 megawatt of electricity enough to power 300 to 400 homes translating into \$125,000 in savings per year.

"You won't be able to stand in Tooele Valley without seeing it," said Jay Weyland, Tooele Energy Manager and the man responsible for the turbine project at Tooele.

Weyland submitted a request for a wind turbine in 2005. Although the project was approved in 2007, it took two years and several contractors for the project to finally come to fruition.

In September 2009, the construction contract for the turbine was awarded to PNE, a family-owned contractor out of Washington state, for \$3.8 million. The turbine is funded through the Department of the Army Energy Conservation Investment Program, which funds renewable energy projects across the Army.

The turbine will be located above the current rifle range on the depot.

The base for the turbine was delivered in December 2009 and the road to the construction site is com-

pleted. The project will enter the final stages when the turbine is delivered in May. If the scheduled delivery date remains on track, and weather permitting, the turbine will be up and running by July 1.

"TEAD is leading the way in renewable energy solutions and going green will help us remain always at the ready," said Col. Yolanda Den-

nis-Lowman, Tooele Army Depot commander.

Tooele Army Depot is located in a good wind generation area, according to the Utah Geological Survey Wind Resource Map, making wind turbines the best renewable energy source. Wind measurement towers installed by the state Geological Survey recorded the peak wind production hours at Tooele from midnight to 8 a.m.

"The wind must be going at least twelve miles per hour to turn on the turbine," Weyland said. "The installed wind measurement towers show the average wind speed at TEAD is fourteen and a half miles per hour, making the depot a good location for wind generated electricity."

The depot's wind speed may affect the construction schedule. If the wind speed is faster than 20 miles per hour while the turbine is under construction, work at the site must stop for safety reasons until the wind

speed decreases. Weyland said this may slow down the rate of construction, but alternate work schedules will be set up to keep the construction schedule on track.

MC

No Loss continued from page 1

demands of the war fighter. It is even more significant when you add in the experience factor. Several new workers have been added and workers have been shifted to work they were not used to doing to meet the workload requirements."

Shearin added, "Our workers have a can do attitude and place their safety and the safety of their coworkers above everything else. Now we are on our way to the two million work hours without a LWD injury."

MC

continued from page 2

O'Neill

As Commander of the U.S. Army Laboratory Command, O'Neill led 5,000 scientists and engineers in seven corporate laboratories as part of oversight for the \$1 billion annual budget of the DoD tech base.

O'Neill holds a Master of Science and a Doctorate in Physics from Rice University as well as a Bachelor of Science in Physics from DePaul University.



Introduction or refresher: Ammunition workshops offered at headquarters JMC

By Rikeshia Davidson
JMC Public Affairs

ROCK ISLAND ARSENAL, Ill. -- "We should understand the wide swath of mission and ammo that we manage to allow greater interoperability and communication across our silos," said John M. Campbell of the importance of the newly introduced *Introduction to Explosives* workshop.

A Master Black Belt in the Production Quality Homeroom at headquarters, Joint Munitions Command, Campbell participated in a new Defense Ammunition Center-led workshop, *Introduction to Explosives*.

In late February, DAC liaisons Peggy Dean and A.J. Moschetti conducted the initial Rock Island-based workshops *Introduction to Explosives* and *Ammunition Identification* in response to leadership request.

Sensing a need for more ammunition fundamentals, the Munitions and Logistics Readiness Center requested the development of a series of workshops to introduce or refresh the workforce's knowledge of ammunition. They saw a need to provide "ammunition fundamentals" training to some of their workforce.

"Employees within the JMC need to have a basic understanding and familiarization of the various aspects of ammunition life cycle logistics. For those of us that did not come up through the ranks of the Ammunition Intern Program, it is imperative that we be educated on the fundamentals of the ammunition business.



U.S. Army photo

Peggy Dean, Defense Ammunition Center liaison, listens to participant questions during the first DAC-sponsored Ammunition Identification workshop on February 18, 2010 in Rock Is-

"My expected outcome from attending these informative ammunition workshops offered by the Defense Ammunition Center will provide me a solid baseline or refresher opportunity on a multitude of various ammunition topics ranging from ammunition identification to physical security, safety, storage and explosives," said Ann Washburn, MLRC staff action specialist.

And likewise, according to Dean, "the training targets those employees without an ammunition background, to help them become more knowledgeable and familiar with conventional ammunition and explosives, the commodity JMC manages."

In her role, Washburn works closely with Dean, Moschetti, DAC, JMC training personnel and manag-

ers in creating the ideal content of the workshops.

Since DAC currently provides on-line training options highlighting similar content, the Rock Island workshops can also serve as refresher training for employees with previous ammunition training and experience.

Initially launching the workshops in Rock Island with headquarters JMC employees satisfies MLRC leaders' desire to offer "in-house", shortened training workshops. Such workshops allow employees training time minus temporary duty assignment orders, costs and days away from their workspaces.

Instructors encourage workshop participants to be vocal and share

"Ammo revisited" continued on page 5

Spotlight on Lean Six Sigma

LSS shortens process cycle time

Courtesy of JMC Lean Six Sigma

ROCK ISLAND ARSENAL, Ill. — Improving a process cycle time is always a good thing.

Personnel within the Joint Munitions Command headquarters completed a Green Belt Lean Six Sigma project designed to reduce the process cycle time of a foreign military sale price and availability that requires a cost estimate from a government-owned, government-operated ammunition installation.

The project's goal was to reduce the cycle time by 25 percent. The

project's scope began with a team member's receipt of a price and availability request and ends with a team members leave date.

The project incorporated a Pareto Plot to create a baseline to measure the process. Brainstorming techniques were used to identify root causes and a nominal group technique was used in prioritizing the root causes. In addition, a control/impact matrix was used to identify which of the top three prioritized root causes impacted the process the

most.

The eight member-team assembled was made up of JMC headquarters personnel in the areas of production, financial, and engineering.

During the Improve phase of the project, the team initiated a pilot plan which, when implemented, showed a 19 percent reduction in the cycle time and the process variation was also significantly reduced.

The finished project will benefit the customer by providing a more consistent performance and shorter wait time. 

Ammo revisited continued from page 4

their experience regarding ammunition as well ask questions.

"I think it is great to have the possibility to interact with the instructor and get clarity when needed. The classroom environment has certain advantages over online courseware, especially with topics such as ammunition," said Campbell.

Dean noted participation spanned various directorates with future courses designed to cover *Storage Facilities & Physical Security*, *Storage Operational & Safety Considerations*, and *Small Arms Ammunition*--all offered between late March and late June 2010.

"Participants from the first workshop came from every directorate within MLRC, and there were also a couple individuals from the G staff. The participants all had various backgrounds. It was a good diverse group.

"Again, the workshops would

benefit anyone wanting to refresh or familiarize themselves in various aspects of ammunition life cycle logistics," said Dean.

Overall, the DAC training team wants to convey three points to the participants:

- * a familiarization and/or a better understanding of conventional ammunition;
- * better understanding of JMC's mission by interacting with other participants from JMC;
- * and finally, how specific jobs fit into JMC's mission to support the warfighter.



Defense Ammunition Center's ammunition workshops provide the skills necessary to identify ammunition like a professional--such as Aviation Ordnanceman Airman Recruit Janelle Ray. Seen here, Ray prepares .50 cal. ammunition belts before a live-fire exercise aboard the aircraft carrier USS Nimitz.



File photo courtesy of U.S. Navy

Crane and Indiana U partner to train cadets



LEFT: Indiana University ROTC cadets familiarize themselves with the course before heading out into the woods.

BELOW: As they continue to prepare, the cadets ready their gear before training.

U.S. Army photo by Tom Peske

By Tom Peske
Crane AAA Public Affairs

CRANE, Ind. – Crane Army Ammunition Activity recently provided an opportunity for more than 20 cadets of the Indiana University ROTC to practice their day and night land navigation skills on unfamiliar terrain at the Crane Naval Support Activity.

IU ROTC Professor of Military Science Lt. Col. Eric Arnold said the training opportunity, held Jan. 30, provided a great value to the cadets by giving them a course they had never seen and was relatively untouched.

“We typically go to Camp Atterbury about four times a year. The problem is that these kids are juniors and they all have been to Atterbury six or seven times. So they know the land navigation course by heart,” Arnold said.

“The problem is that this summer they are going to Fort Lewis, Wash., and see a land navigation course they have never seen before. So the advantage of coming here is

that they see an entirely new piece of terrain.”

Arnold added, “We are only about 25 miles from here and we had no idea that this great terrain was here. It will be an awesome partnership from this point forward.”



U.S. Army photo by Tom Peske



U.S. Army photo by Tom Peske

Indiana University ROTC cadets plot coordinates before beginning the training. IU is located near Crane Army Ammunition Activity in Bloomington.

According to 2nd Lt. Daniel Couture, a gold bar recruiter at IU, the cadets are given a map, grid marks, a protractor, and then given eight-digit grids they need to properly plot on the map. They then traverse the landscape to those points where there is a little placard for them to mark showing they made it to that point.

Before the training began, Cadet Mathew Umstot, a senior and squad leader, gave a good indication of how the cadets appreciated the opportunity. He said, "I am pretty excited. A lot of us have memorized the course we did before. So getting a fresh look at the course that is similar to the one we will be doing (at Fort Lewis) for our grade and our commission is an exciting opportunity."

"What gave us the idea initially

was 2nd Lt. Couture, who used to be an enlisted Navy man who worked out here. He kept explaining to us that Crane could work for us for setting up land navigation sites and doing basic patrolling, but we thought it was only a Naval Depot with a lot of ammunition. He told us that they had a lot of land, good land. So we sent our operations officer to check it out. And he confirmed that it is a great property and they are willing to work with us."

"It looks like it will mimic Fort Lewis quite a bit, so it will help us out," Master Sgt. Richard Meiers and IU ROTC commandant of cadets and senior military instructor said, "This is a more realistic scenario compared to what they will be doing at Fort Lewis in the summer."

The training, arranged through Crane's Reserve liaison Lance Dat-

ers explained that while Crane does not receive anything back directly for helping the cadets, there is an important value to it.

"This type of event shows the local communities that we are here to support them in a diverse way. Most people understand what Crane is about, but few people know what additional things Crane has to offer," Daters said. "This also serves as a starting point for future relationships with new officers. You never know who might be in a position to assist Crane down the road, the possibilities are endless."

MC

Mortar fin production another testament to Blue Grass success



U.S. Army photo courtesy of Blue Grass Army Depot

A Blue Grass Army Depot employee conducts a quality test on a 81 mm mortar fin part. The mortar fin mission began in early 2009.



By Darryl Howlett
JMC Public Affairs

RICHMOND, Ky. – A new mission for the Blue Grass Army Depot is moving the installation forward, while still providing critical support for our service members.

The depot is currently manufacturing one of three types of mortar fin assemblies for the Department of the Army.

“In August 2008, the depot found out the Department of the Army was interested in producing mortar fins within the Department of Defense, instead of contracting solely to civilian contractors,” said Timothy Delozier, project officer for the 81 mm cartridge mortar fin.

“We conducted some initial pricing, process flow and market research to see if this might be a viable project to pursue.”

Delozier said that by December

of 2008 the depot was awarded the workload to produce the mortar fin assembly for Program Manager-Combat Ammunition Systems, located at the Picatinny Arsenal, Picatinny, N.J.

“This was a brand new line of work, and complete set up of production facility was required. We had no equipment, no personnel, no specific gauge, or a building that was ready for this mission,” he said.

The project is a first-time endeavor at BGAD into the world of non-energetic (non-explosive) ammunition component production.

An existing 5,000 square foot storage facility has been converted and upgraded to house the operation.

Fire suppression, electrical, and an air and oil water separator have been installed.

During the workup to production in early 2009, the depot partnered with Eastern Kentucky University, also located in Richmond, for ways to improve the manufacturing process for the mortar fin.

The fin consists of two main components machined from aluminum and then coated and assembled into one complete fin.

Currently, the depot is producing more than 5,000 mortar fins per month as an interim benchmark to achieving 10,000 per month as stipulated in the contract. The depot

“Mission” continued on page 9



U.S. Army photos courtesy of Blue Grass Army Depot

LEFT: Joint Munitions Command's Command Sgt. Maj. David Puig looks at a mortar fin tube along with project manager Timothy Delozier.

BOTTOM: BGAD Mortar Fin Project Manager Timothy Delozier explains a process in making a 81 mm mortar fin to Joint Munitions Command's Command Sgt. Maj. David Puig.

Mission continued from page 8

started production in October of 2009. The first shipment of mortar fins arrived at their destination in January.

The mission provides work for employees. According to depot officials, 60 percent of the 27 new personnel hired for the mortar fin assembly project were from Kentucky – many of them first time federal government employees.

Blue Grass Army Depot Commander Col. Joseph Tirone commented on the importance of the depot's newest mission.

"The 81 mm mortar is a critical weapon system on today's battlefield," he said. "Not only is Blue Grass Army Depot making a direct and positive impact on today's warfighter but this project has the added benefit of employing more than 25

personnel and adding to the almost \$200 million that Blue Grass Army Depot has put into the local economy for each of the last two years."

The work production is getting some high profile attention. The Joint Munitions Command Sgt. Maj. David Puig got a firsthand look at production line in January.

He came away impressed with the work that was being done and the amount of

work it took to get the line operational in small amount of time.

JMc

(Jo Adail Stephenson contributed to this story).



Crane recognizes half century of service

By Tom Peske
Crane AAA Public Affairs

CRANE, Ind. – Fifty years of service is impressive in any business or sector of the government, so Crane Army Ammunition Activity honored Explosives Operator Roy Flick, Jr., with a Commander's Award for Civilian Service.

Flick, known as Junior to those who work with him, reached the milestone February and received the award and his 50-years service pin in a surprise celebration by his co-

workers.

CAAA Commander Col. Charles Kibben expressed his gratitude and appreciation for Flick's service to Crane during the presentation of the award.

He said, "This fellow right here has trained more supervisors to do what they are doing on that line than you can even imagine. Junior has taken on the task of doing some in-

credible things for this organization and the reason why this organization is as incredible as it is, is because of people like him. Fifty years of service is a tremendous mark on the wall."

Flick credited good health and enjoying his work for the longevity. His time at Crane means he is one of a handful group of employees who started with Crane Navy and made the transition when the Army Activity began in 1977. It also gives him a great amount of institutional knowledge CAAA has come to appreciate.

"Having somebody with that corporate knowledge is hard to put that price tag on, because these days people want to get different experiences and I think there is something to be said for that person who wants to specialize," Pyrotechnics Division Supervisor Tom Long, who received training from Flick, stated.

"To have somebody who has specialize in pyro has been awesome for our team. As we start new programs and start seeing what we can learn from past experiences, Junior is the guy that we go to first and foremost every time."

"Service" continued on page 11

Crane Army Ammunition Activity Civilian Executive Assistant John Boling congratulates Roy Flick, Jr., on his 50 years of federal service.



U.S. Army photo by Tom Peske

Scranton recognizes assessor with commander's award

By Linda Gumas
Scranton Public Affairs

SCRANTON, Pa. —Timothy Tuttle volunteered as a wastewater program assessor for the Army Environmental Command's Environmental Performance Assessment System from 2007 to 2009.

During this period he assessed the wastewater programs of seven Army installations and trained one assessor. AEC began this volunteer program to take advantage of the experience of installation personnel and also to reduce the costs of performing external EPAS audits.

Tuttle said "it was a very rewarding and interesting experience." The Department of the Army officially commended him for "his participation in the Environmental Performance Assessment System external

Timothy Tuttle was recognized with the Commander's Award for Civilian Service for his efforts as an assessor and support of various installations.

audit teams in Fiscal Year 2009, in support of the U.S. Army Environmental Command and the U.S. Army. Tuttle's technical, auditing, and professional experience and sound judgment were key to providing garrison commanders a status of their installation environmental compliance programs and management systems, thereby further enabling the Army to continue to move forward in identifying and meeting sustainability goals.

"Tuttle also trained a new auditor, thereby assisting in growing the pool of qualified participants. His participation supported U.S. Army Garrison Fort Detrick, Md., Carlisle Barracks, Pa., and Rock Island Arsenal, Ill., in identifying deficiencies and strengths".



U.S. Army photo by Linda Gumas

Service

continued from page 10

Long is one of many supervisors who received his training from Flick. It is a job that Flick takes obvious pleasure in doing.

"I enjoy training the people," he said. "I feel like that is my way of supporting the warfighter. I think the total of supervisors and leaders I have trained is 126."

While Flick tends to be modest in talking about reaching the milestone, his supervisors had plenty of praise.

"During that half century, he has accumulated a tremendous amount of knowledge on most pyrotechnic

programs ever produced at Crane, which he has willingly shared with others throughout the site," Crane's Manufacturing and Engineering Director Scott Haraburda said in submitting Flick for the award.

"His experience has proven invaluable in the area of training. He has always been very willing to provide training to other new operators in pyrotechnics. He always stresses the importance of good housekeeping as well as safety. He always 'walks the talk' in his mentoring role as well, by maintaining a very clean work area and always wearing the correct personal protective equipment."

Additionally, Haraburda said, "Over the past 10 years, Mr. Flick's pyrotechnic expertise has been particularly beneficial in support of the ten different mortar and artillery candles produced at Crane. He has been a contributing key player in developing the current process for these programs, a process which continues to result in excellent end item performance in the field."

Flick said as long as his health continues, he has no immediate plans to retire. Thinking back on all the people who retired before him, he said, "I used to joke with some of the supervisors back when they were retiring, saying 'I am going to stay longer than you.'" 

Safety Corner

Ever present power sources pose constant danger

Compiled by the *Knowledge* staff

Think the only way you can get into trouble with a cell phone in your vehicle is talking or texting while driving? Guess again.

Anh T. Pham, chief of safety for the Air Force's 61st Air Base Wing, Los Angeles Air Force Base, points out a danger few drivers are aware of.

According to Pham, an iPhone charger/docking station plugged into a Chevrolet Suburban's car outlet overheated and started a fire while the vehicle was parked in a residential garage. The owners of the vehicle were fortunate that they accidentally found the fire at 11 p.m. before going to bed and before it spread to the house.

As electronics have proliferated in our lives, it is not unusual to find multiple 12-volt receptacles in some vehicles. Pham said his personal Suburban has five outlets available, and he routinely left his cell phone and portable GPS charger/converter units plugged in.



This fire and what could have been the tragic consequences made him discontinue that practice.

When leaving your vehicle unattended, ensure you unplug all charger/converter units.

Note: This segment is listed in *Knowledge* magazine's *Nuts and Bolts* feature which presents information on vehicle recalls, crash test information and other items of interest on automotive and motorcycle safety. This true story tells how an owner nearly cremated his vehicle -- and his house. And the kicker is, this wasn't a freak accident; it could happen to you. For more *Knowledge* content, visit <https://safety.army.mil>.