

Global Strike Command Wins Creech Award for Maintenance Excellence

AIR FORCE GLOBAL STRIKE COMMAND PUBLIC AFFAIRS (DEC. 5, 2011)

Air Force Staff Sgt. Brian Stives

BARKSDALE AIR FORCE BASE, La.—Air Force Global Strike Command is the winner of the General Wilbur L. Creech Maintenance Excellence Award for 2011, Air Force officials announced last week.

The Creech Award is named for Gen. Wilbur L. Creech, who received his commission and wings in 1949. He commanded at the wing and major command levels and was the commander of Tactical Air Command. During his career, he flew 103 combat missions during the Korean War, 177 combat missions during Vietnam, and 125 flights with the U.S. Air Force Aerial Demonstration Team, the Thunderbirds. In total, Creech flew 40 different military fighter, cargo, and reconnaissance aircraft. He died in 2003.

This award is presented to the major command that demonstrates the most improved performance in aircraft maintenance and logistics readiness in a given fiscal year.

“Our command’s selection for this prestigious award is due to the level of excellence demonstrated by our maintainers and logisticians in the field,” said Ann Mitchell, the Air Force Global Strike Command Director of Installations, Logistics and Mission Support. “They’ve earned this top honor for their hard work and dedication to the mission.”

Lt. Gen. Loren M. Reno, the Air Force deputy chief of staff for logistics, installations and mission support, congratulated the airmen for performing superbly throughout a year marked with organizational change and fiscal challenges.

“The remarkable efforts, exemplary dedication, and tremendous accomplishments of our maintainers continue to set new standards for excellence,” the general said in a letter to airmen. He also recognized the exemplary cannibalization rates for the B-2 Spirit and B-52H Stratofortress.

The command’s selection for this award and its recent assumption of the munitions squadrons highlight the progression of the command and its role in continuing to strengthen the nuclear enterprise, Mitchell said.

The award embodies what Creech believed in and the importance of the logistics and maintenance career fields, said Col. Clifford Stansell, the Air Force Global Strike Command deputy director of installations and maintenance. “This is an honor for the logisticians and maintainers in our command.”

The award will be presented to the command during the Air Force’s annual awards banquet in 2012.

Holloman Scientist Receives Harold Brown Award

AIR FORCE PUBLIC AFFAIRS AGENCY (DEC. 13, 2011)

Air Force Tech. Sgt. Richard A. Williams Jr.

WASHINGTON—A chief scientist from Holloman Air Force Base, N.M., received the 2011 Harold Brown Award on Dec. 12 for his role in significant advances in hypersonic missile research.

Dr. Michael Hooser’s work with the Holloman High Speed Test Track’s artificial rain environment established benchmarks against which advanced hypersonic radome materials are tested.

Hooser developed hypersonic, magnetic-levitation modeling and simulation capability which laid a foundation for future testing of sensitive missile electronics.

“Today we recognize Mike for his achievements in hypersonic missile research,” Secretary of the Air Force Michael Donley said. “His work has been instrumental, particularly in modernizing the dynamic modeling and simulation approach to sled design and test.”

Advanced electronics used in missile systems are too sensitive to test in the typical high g-force environment of traditional high-speed rail testing systems, Donley said. Hooser and his team modernized the testing process through advancements in the magnetic levitation theory, which allows the same quality testing in a less strenuous environment. He and his team developed the nation’s first rain field model for testing coordination.

The ability to correlate test data between laboratory, outdoor, artificial, and natural rain environments resulted in an 80 percent reduction in data collection required to qualify future rain field models, thus expediting weapons fielding by reducing the number of sled tests required to qualify a system.

In return, Donley added, the new process reduces expense, ultimately saving the Air Force a substantial amount of money, and significantly advances the Air Force’s capabilities in hypersonic missile research.

With 33 years serving the nation as both a scientist and engineer at Holloman AFB, Hooser received bachelor’s, master’s, and doctorate degrees in mechanical engineering from New Mexico State University, and has served in various

capacities as a scientist, flight chief, and now chief scientist at Holloman AFB.

"I am honored beyond belief and this is a big surprise to me," Hooser said. "I am a small piece of a cog in a fantastic wheel at the track, and I work with a wonderful team."

The Harold Brown Award recognizes significant achievement in research and development that led to or demonstrated promise of a substantial improvement in operational effectiveness of the Air Force. The award's namesake was a physicist who served as secretary of the Air Force from 1965 to 1969 and secretary of defense from 1977 to 1981.

"Creativity, innovation, and engineering know-how are the qualities that for decades have kept the United States at the forefront in technology," Donley said. "These qualities are recognized in the Harold Brown Award, and Dr. Hooser continues the proud tradition of those who have applied their talent and skills in the interest of national security and kept our nation safe."

Weapons System Team Earns William J. Perry Award

AIR FORCE PUBLIC AFFAIRS AGENCY (JAN. 18, 2012)

Air Force Tech. Sgt. Richard A. Williams Jr.

WASHINGTON—Members of the Massive Ordnance Penetrator program team received the 16th annual William J. Perry Award in recognition of their contributions to precision strike systems during an awards ceremony hosted by the Precision Strike Association here Jan. 17.

The program team, consisting of representatives from the Air Force and the Defense Threat Reduction Agency, in partnership with The Boeing Company, was honored for their technical excellence in the development, testing, and fielding of the MOP, one of the Secretary of Defense's number one weapons programs, according to the award citation.

"We are really humbled to win this award," said Col. Leonard D'Amico, Air Force global precision attack and nuclear deterrence operations division chief.

D'Amico, who accepted the award on behalf of the entire MOP team, explained the success of the program as a very large team effort consisting of multiple Air Force agencies working side-by-side with Defense Threat Reduction Agency and The Boeing Company contractors.

The MOP is a 30,000 pound, guided bomb unit that uses an inertial navigation system and a geospatial positioning system to accurately destroy targets. It is 20.5 feet long and 31.5 inches in diameter and carries 5,600 pounds of explosives.



Dr. Michael Hooser, the recipient of the 2011 Harold Brown Award, addresses the audience during a ceremony held in his honor at the Pentagon, Washington, D.C., Dec. 12, 2011. A chief scientist from Holloman Air Force Base, N.M., Hooser received the award for his role in significant advances in hypersonic missile research.

U.S. Air Force photo by Andy Morataya

The precision penetrator weapon supports the President's Nuclear Policy Reviews' emphasis on giving conventional weapon options to national commands to help reduce the nation's dependence on nuclear weapons as a deterrent in the national security strategy. The project began in 2004.

The award is named in honor of former Secretary of Defense Dr. William J. Perry (1994-1997) and recognizes exceptional contributions to precision strike systems in the private or public sector by an individual or team. The recipient's contributions must lead to the strengthening of national security by a direct application of precision strike capabilities to a Department of Defense system or enhance the industrial technology base for application to precision strike technology, according to award guidelines.



Shyu Honors Army Science Board Members

On Dec. 7, 2011, Heidi Shyu, principal deputy assistant secretary of the army for acquisition, logistics, and technology hosted the Army Science Board Awards Ceremony. The awards recognized the dedication and devotion of 15 members who have served for up to 14 years on the board, where they made a significant contribution in furthering national defense objectives. The 10 awardees in attendance were presented with the Superior Civilian Service Award, Commanders Award for Civilian Service, or the Achievement Medal for Civilian Service. Front row from left: Shyu; Dr. Jeanette Jones; Dr. Wade Kornegay; retired Army Lt. Gen. William Campbell. Back row from left: Robert Dodd; John Matsumura; John Entzminger Jr.; Gilbert Herrera; retired Army Lt. Gen. Max Noah; Dr. Lawrence Delaney; Robert Moore.

U.S. Army photo

“MOP is an awesome arrow in the quiver of this nation’s arsenal,” D’Amico said. “I can’t say enough about the great work our team has done to make this program a success.” The MOP Program Team award winners are:

Headquarters Air Force A5 Requirements
U.S. Air Force Col. Leonard D’Amico, U.S. Air Force Lt. Col. Richard Bohn, James Crum, and Charles Hale

Secretary of the Air Force Office for Acquisition
U.S. Air Force Col. David Chelen, U.S. Air Force Maj. Ryan Knapp, and A. Fozdar

Air Combat Command
U.S. Air Force Maj. Bryan Elder, U.S. Air Force Master Sgt. Jason Wood, Michael Bata, Brian Kieffer, and Jeffrey Lord

Air Armament Center MOP Program Office
U.S. Air Force Capt. Jason Seitz, Richard Walley, Marya Bard, Kevin Delery, Shava Meadows, Penny Daniels, Justin Vest, William Arnold, Mari Paredes, Russell Klug, Ronald Foskey, Greg Glenn, Edwardo Freeman, Robert Buff, Kathleen Sheperd, and Michael Stoughton

Defense Threat Reduction Agency
Stephen Dowling, U.S. Air Force Lt. Col. Daniel Saucer, U.S. Army Maj. Michael Bonura, U.S. Army Maj. Jeffrey Moran, Doug Gross, Bruce Brown, Randy Long, Mike Giltrud, Eric Rinehart, Robert Hastie, and Philip Randles

Air Force Research Laboratory
Sandra Davis, Brian Plunkett, Mark Green, and Morris Dilmore

OC-ALC Receives DoD Maintenance Award

72ND AIR BASE WING PUBLIC AFFAIRS (JAN. 19, 2012)

Brandice J. O'Brien

TINKER AIR FORCE BASE, Okla.—The Oklahoma City Air Logistics Center received the 2011 Robert T. Mason Depot Maintenance Excellence Award at a presentation ceremony here Jan. 11, 2012.

John B. Johns, the deputy assistant secretary of defense for maintenance at the Department of Defense, presented the award, which was given for Tinker Air Force Base's outstanding efforts on the KC-135 Stratotanker Programmed Depot Maintenance line in fiscal 2010.

More than 400 personnel from the 76th Aircraft Maintenance Group gathered for the event. Ross Marshall, the OC-ALC executive director, officially accepted the award.

Johns said it was an honor to be with the Tinker workforce, which knows and takes its role in the maintenance community seriously.

"There is no doubt in my mind that you all know what role you play," he said. "You're producing readiness. By producing readiness, you technically produce airpower, which keeps us flying across the world. I have no doubt that ..., by the attitudes and responses I've heard, you know exactly your role.

"It's people that make a team work and it's people that make a production line work," Johns continued. "That's what this is about; it's what distinguishes you from every other depot maintenance facility."

Brian Crowell, a 564th Aircraft Maintenance Squadron aircraft mechanic, agreed.

"It's an outstanding award and I'm proud to be a part of it," he said. "It's a great recognition for the depot maintenance world."

In August, Tinker received word that it had won the award. In November, the award was presented to several OC-ALC officials at the Secretary of Defense Maintenance Awards banquet in Fort Worth, Texas. The award is named for Robert T. Mason, a former assistant deputy under secretary of defense for maintenance policy, programs and resources.

Defense Logistics Agency, Industry Fight Counterfeits with DNA Technology

DEFENSE LOGISTICS AGENCY (JAN. 26, 2012)

Tonya Johnson

FORT BELVOIR, Va.—The Defense Logistics Agency is working with commercial manufacturers and independent distributors to determine whether DNA marking could prevent counterfeit parts from entering the military supply system.

Altera Corporation, a microcircuit manufacturer, and Applied DNA Sciences completed a six-month, DLA-sponsored pilot program last year that proved botanical DNA can be used to authenticate microcircuit chips.

"In this limited demonstration, we wanted to show that microchips could be marked during the production process, which includes high heat and other stressors, and that those marks could later be read," said Chris Metz, director of the technical and quality policy division for DLA Logistics Operations.

The microchips were manufactured and marked with botanical DNA at an Altera production plant, then moved to an independent distributor without interrupting standard supply chain processes. APDN invented the use of botanical DNA for forensic authentication. Their SigNature DNA product is already being used to prevent counterfeiting of such items as wine, textiles, and currency.

The APDN process embeds botanical DNA in the ink used on products, and a hand-held laser reader can detect that mark. The item can be swabbed and the swab sent to an APDN facility to forensically determine the unique DNA characteristics applied to a specific product.

Metz said the demonstration was so successful that DLA added a second phase, in which it is currently working with Altera and SMT Corp. to determine the functional, technical, and business viability of botanical DNA throughout DLA's microcircuit supply chain.

"Microelectronics is where a lot of counterfeit issues have been occurring. It's also where, if things go wrong, they could really impact system performance and lives, because microelectronics are used in everything from cars and airplanes to weapons systems," Metz said.

Unlike many independent distributors, which sell and distribute items from numerous manufacturers, SMT has a long history of testing the parts it sells to ensure they're not counterfeits, Metz added. SMT expects to begin DNA marking the items it inspects and sells in February.

"This phase allows us to test a different type of authentication process because the items are already at the distributor," Metz said, adding that the risk of receiving counterfeit

parts is higher with independent distributors, who typically don't invest time and money to inspect the items they sell.

While some say the solution is to buy from original equipment manufacturers, Metz said that's not practical for DLA and other DoD agencies because the parts they require are often obsolete and no longer in production. Military systems may be in service for decades, but the components may be manufactured for only two years.

"And the fact that we frequently buy in small quantities doesn't make it economical for larger manufacturers to continue producing the parts," she added.

In 2009, DLA created the DoD Counterfeit Parts Integrated Project Team to help develop anti-counterfeiting guidance. DLA's Electronic Product Testing Center in Columbus, Ohio, has also increased testing of high-risk commodities. And in March, Metz's team expects to release a one-hour, computer-based course that will help DLA employees with certain job specialties recognize counterfeit parts.

Metz said DLA is one of a handful of defense organizations, which include the Missile Defense Agency and the Navy, that are leading the effort to eliminate counterfeits from the military's supply chains. Metz also said that large manufacturers have teamed up with DLA to discover how they, as system integrators, might also benefit from DNA marking.

"If we're going to be successful, it's because industry has picked it up and said they want to use it voluntarily," Metz said, adding that while botanical DNA is easy and inexpensive to apply, more testing is needed.

As a Department of Defense combat support agency, DLA provides the Army, Navy, Air Force, Marine Corps, other federal agencies, and joint and allied forces with a variety of logistics, acquisition, and technical services. The agency sources and provides nearly 100 percent of the consumable items America's military forces need to operate, from food, fuel and energy, to uniforms, medical supplies, and construction and barrier equipment. DLA also supplies more than 80 percent of the military's spare parts.

Headquartered at Fort Belvoir, Va., DLA has about 27,000 employees worldwide and supports more than 2,178 weapon systems. For more information about DLA, go to www.dla.mil, www.facebook.com/dla.mil, or <http://twitter.com/dlamil>.

IMCOM Installations Recognized For Environmental Excellence

AIR FORCE NEWS SERVICE (JAN. 27, 2012)

Cathy Kropp

SAN ANTONIO—Three installations and two teams from the U.S. Army Installation Management Command were recognized for environmental restoration, natural resource conservation, and overall environmental quality in the annual Secretary of the Army Environmental Awards Program for fiscal year 2011.

Almost 50 nominations were received from across the Army to vie for the honor of representing the Army in the Secretary of Defense Environmental Awards Program's 2012 competition.

Winning twice, Fort Hood received both the installation and team awards in the Environmental Quality category. Fort Hood uses its environmental management system to identify environmental vulnerabilities and establish plans to mitigate impacts that could affect military operations and mission accomplishment.

The Fort Hood staff closely monitors air quality, energy management, pollution prevention, recycling, and water quality—the areas identified by the environmental management system as having the greatest potential to negatively impact mission and quality of life for the soldiers, civilians, and families who train, live, work, and play on Fort Hood, Texas.

The installation executed a number of successful pollution prevention projects, implemented a utility management and control system, leveraged solar technologies, established the Cen-Tex Sustainable Communities Partnership, and developed a community outreach and environmental training program unequaled in the Army.

Fort Hood's recycling program, boasting the largest facility in the Army, began in 1992 and has grown to include cardboard, white paper, office pack, mixed paper, newspaper, maps, plastic, pallets, toner cartridges, cooking oil, aluminum, brass, and scrap metal. The award-winning recycling team partners with a number of Central Texas communities and post offices, as well as seven local moving and storage companies.

Environmental restoration projects at IMCOM installations drew the attention of the Secretary of the Army Environmental Award judges this year. Fort Stewart/Hunter Army Airfield, Ga., won the Environmental Restoration Installation award and Fort A.P. Hill, Va., captured the Environmental Restoration team category.

The Fort Stewart/HAAF environmental staff was recognized for their efforts to decrease environmental liability by implementing cutting-edge technology and innovative processes that holistically bridge across environmental media (air, land, and water). In addition, development of partnering relationships and a multi-agency Installation Restoration Program team, which includes regulatory agencies, has allowed for real-time decisions, expedited document review, and allowed the installation to realize cost savings.

Fort Stewart's successful IRP evolved by establishing realistic goals and meeting two main objectives: reclaim and restore training lands and other facilities in support of the installation readiness mission; and minimize the impact to mission operations and training activities during remediation operations.

Fort A.P. Hill was recognized with the Environmental Restoration Team award for their successful execution of an installation-wide Resource Conservation and Recovery Act Corrective Action Program under a Facility Lead Agreement with Region III of EPA.

The program reduced the time needed to achieve final remedy status, increased and enhanced the beneficial reuse of 16 non-landfill sites for mission-related training and operations, and resulted in the availability of several hundred additional acres for recreational and mission-related activities.

Fort A.P. Hill was the first Department of Defense facility and only Army facility to participate in FLA, an invitation-only program offered by EPA Region III to a very select few facilities.

The Oahu Natural Resources Team earned the Natural Resource Conservation Team award for accomplishments such as running three endangered plant propagation facilities; maintaining a genetic storage program to safeguard against losses at unmanaged sites and unanticipated disturbances in managed areas, developing unique techniques for control of threats to endangered species; providing funds to interagency partners, university researchers and graduate students; contributing to interagency fencing and animal removal efforts; and responding with skilled fire staff and fire suppression aircraft when wildfire threatens natural areas.

These five award winners from IMCOM will go on to represent the Army in the Secretary of Defense Environmental Awards Program this spring. Winners of that competition will be recognized in a Pentagon Ceremony on June 6, 2012.

Agency Team Members Graduate from Master's Program

DEFENSE LOGISTICS AGENCY (FEB. 2, 2012)

L. Hampton

A pair of Defense Logistics Agency Land and Maritime employees are putting the Master of Business Administration degrees they earned in a Defense Department program focused on logistics to good work in their day-to-day duties.

Sherrie Culbertson, a supervisory procurement analyst for DLA Land and Maritime at Columbus, Ohio, and Carmen Pillitteri, a contracting officer there, completed the Department of Defense Center of Excellence in Logistics and Technology MBA Degree Program, which included residencies at the University of North Carolina and a degree from Indiana University.

The leader of the long-term contract and the transformation branches of DLA Land and Maritime's Systems and Procedures Division, Culbertson said the LOGTECH program, which included time overseas, had a well-rounded and robust curriculum.

"The overseas residency in Asia taught us so much about the global logistics and intricacies of global supply chain management far beyond what I could have imagined or learned from exposure to the U.S. facilities and cultures," Culbertson said.

Culbertson said she believes that DLA will benefit from her completion of the LOGTECH MBA program.

"I believe I can contribute more in terms of program management and leadership, but also in the areas of innovative process design, in the procurement and logistics process areas," she said.

The top three things Culbertson learned from the program were effective communication skills, effective collaboration and team building skills, and global logistics best practices, she said.

"As a giant in the global logistics arena, DLA should be able to benefit significantly through best practices and new services being offered by commercial transportation, storage, and shipping industries," Culbertson said.

Pillitteri said he uses his procurement and database systems experience to troubleshoot reporting processes within DLA Land and Maritime. He described his LOGTECH MBA experience as an intensive and sometimes stressful program.



Sherrie Culbertson (center), a supervisory procurement analyst for DLA Land and Maritime, receives a logistics-focused Master of Business Administration degree from Mark Kramer, president of the Institute for Defense and Business, and Navy Vice Adm. Mark Harnitchek, DLA director, at her Dec. 15 graduation from the IDB's Center of Excellence in Logistics and Technology Program. Courtesy photo

"The LOGTECH MBA will continue to prove its worth in dollars and sweat equity spent," Pillitteri said. "Its online nature added to the convenience of completing the program, but also led to an always connected feeling that, even after two years in the program, I have not quite learned how to manage and turn off."

Pillitteri stated that the learning environment will be a key benefit to DLA because the corporate-focused program allows graduates to bring corporate best practices back to government.

"Learning in a corporate-, rather than government-focused environment, LOGTECH MBA alumni are better able to understand the ramifications of DoD and local policies on our suppliers," Pillitteri said. "This leads to better negotiators, especially as we move toward a cost-cutting environment where every decision must be weighed to determine if it will add to material or service costs."

The top three things that Pillitteri learned from the program were logistics and workflow management theories, virtual environment collaboration, and time management, he said. "It would have been impossible to get through this program alone. Respecting the time of your teammates and clearly communicating how much time I had to give was a key in-

crement in maintaining a happy and productive team," Pillitteri said.

Culbertson and Pillitteri were part of the last LOGTECH MBA class. Syracuse University's Whitman School of Management is DoD's new academic partner for the program, and the degree will now be a Master of Science, said Patricia Proctor, program manager for executive development and professional enhancement in DLA Human Resources. The new two-year program is designed to meet the educational needs of the logistics community. Its curriculum consists of Web-based courses complemented by intensive on-site residencies, virtual residencies, and a 10-day international residency focused on global logistics and the supply chain industry. The curriculum is 85 percent online and structured to fit the schedules of busy professionals. Those who complete the program will be awarded a Master of Science degree with a concentration in supply chain management logistics and a certificate in supply chain management logistics from Syracuse University. Participants are required to complete a master's thesis.

Nominations for the program are solicited annually. *Nominations for the 2012-2014 program are due May 2.*