



Acquisition & Logistics Excellence

ARMY NEWS SERVICE (AUG. 25, 2006) U.S. ARMY MEDICAL RESEARCH & MATERIEL COMMAND EMPLOYEE EARNS NATIONAL BIG AWARD

Jerry Harben

FORT DETRICK, Md.—Jerome K. Maultsby has been selected for the 2006 Blacks in Government Meritorious Service Award. He is associate director of the office of small business programs for U.S. Army Medical Research and Materiel Command.

The BIG Award goes to one African-American soldier and one civilian each year.

“I have a passion for what I do,” Maultsby said. “I really like being able to provide assistance to people. You don’t get any extra money, but there’s satisfaction knowing you’re helping someone.”

Maultsby’s job is to help small businesses and minority institutions compete for contracts with USAMRMC. He gives them information that larger businesses have readily available, and ensures all potential contractors have fair opportunities to succeed.

“I try to educate, encourage, and empower small business and academia. That’s my goal,” he said. “There are a lot of prospective contractors who really want to learn good information on how to cut through the red tape. I’ve tried to demystify the process and tell people what they need to know, not what they want to hear.”

USAMRMC increased contract awards to small businesses from \$285 million in fiscal 2004 to \$383 million in fiscal 2005, or about 48 percent of the command’s contract awards.

“These noteworthy procurement metrics clearly demonstrate how Mr. Maultsby has effectively orchestrated mutually beneficial strategic business relationships,” stated the nomination for the award.

Maultsby is also an advocate for education of minorities. He was instrumental in forming the Maryland Research and Applied Sciences Consortium in 2004. The group comprises representatives from five Historically Black Colleges and Universities (HBCU), and minority institutions.



Jerome K. Maultsby is a recipient of the 2006 Blacks in Government (BIG) Meritorious Service Award. The national honor goes to one African-American soldier and one civilian each year. Photograph courtesy U.S. Army Medical Research & Materiel Command.

Before going to work for USAMRMC, Maultsby worked in acquisition during a 20-year Army career, retiring as a lieutenant colonel in 2001.

“I’m very humbled,” he said of the BIG Meritorious Service Award. “It’s quite an honor.”

Harben is with U.S. Army Medical Command at Fort Detrick, Md.

AIR FORCE MATERIEL COMMAND NEWS SERVICE (SEPT. 7, 2006) AIR FORCE RESEARCH LAB NAMES 2006 FELLOWS

Jill Bohn

WRIGHT-PATTERSON AIR FORCE BASE, Ohio —Air Force Research Laboratory officials are honoring seven scientists and engineers as new fellows during an annual awards banquet Sept. 19 at the National Museum of the United States Air Force.

Designed to recognize and reward AFRL’s most outstanding in-house scientists and engineers, the fellows program encourages further research and development



Acquisition & Logistics Excellence

by providing each new fellow a grant of \$100,000 per year for two years, in addition to his or her current budget.

The fellows to be honored this year are Dr. Paul Barnes, Dr. Hugh DeLong, Dr. Dennis Goldstein, Dr. Kumar Jata, Frank Marcos, Dr. Michael Murphy, and Carl Snyder.

“AFRL fellows are nominated by their directorates and selected by the AFRL commander through a highly competitive process that recognizes our very best scientists and engineers,” said Dr. Thomas Cruse, AFRL chief technologist.

Dr. Paul Barnes

Propulsion Directorate at Wright-Patterson AFB, is recognized for high-temperature superconductors. His efforts advanced the yttrium barium copper oxide-coated conductor. The YBCO conductor allows compact power for magnets critical to directed energy weapons.

Dr. Hugh DeLong

Air Force Office of Scientific Research at Arlington, Va., is a recognized leader in the area of ionic liquids. His scientific reputation has given the Air Force a position of leadership in the areas of compact power, corrosion, electrode position, nanocomposite research, bionanotechnology, biomimetics, biomaterials, and biointerfacial sciences.

Dr. Dennis Goldstein

Munitions Directorate at Eglin AFB, Fla., is internationally recognized in polarimetry research and optical correlation technology. His key scientific contributions include target and background signature phenomenology, scientific basis of on-munition processing making seekers “smart” enough to be autonomous, and controlled laboratory environment testing of sophisticated seekers.

Dr. Kumar Jata

Materials and Manufacturing Directorate at Wright-Patterson AFB, is recognized in the development, processing, characterization, and properties of metallic alloys for aerospace applications. His leadership in fatigue and fracture, friction-stir welding, aluminum-lithium alloy development, and corrosion research has been critical to Air Force systems.

Frank Marcos

Space Vehicles Directorate at Hanscom AFB, Mass., is an expert on the effects of the earth’s atmosphere on Air Force space systems. He developed a revolutionary ap-

proach to modeling the total density of the atmosphere and satellite orbital drag, now used operationally at Air Force Space Command.

Dr. Michael Murphy

Human Effectiveness Directorate at Brooks City-Base, Texas, is a leader in understanding the effects of human exposure to directed energy systems and non-lethal weapons, both areas of vital interest to the Air Force.

Carl Snyder

Materials and Manufacturing Directorate at Wright-Patterson AFB, is an international leader in the development and transition of fluids and lubricants for Air Force systems. The hydraulic fluids, greases, and di-electric coolants developed under his leadership are used in virtually all Air Force, Navy, and Army aircraft.

Bohn is with Air Force Research Laboratory Public Affairs.

AIR FORCE RESEARCH LABORATORY PUBLIC AFFAIRS (SEPT. 13, 2006) RESEARCH LAB SELECTIONS EARN SMALL BUSINESS AWARDS

Francis L. Crumb

ROME, N.Y.—Two small businesses nominated by Air Force Research Laboratory Information Directorate engineers have been selected as winners of the 2006 Tibbetts Award by the U.S. Small Business Administration. The award is named for Ronald Tibbetts who is considered the father of the congressionally directed Small Business Innovative Research (SBIR) Program.

Scheduled to receive the awards during ceremonies held Sept. 26 in Washington, D.C., are ITCN of Dayton, Ohio, and Lumidigm Inc. of Albuquerque, N.M.

ITCN, a small veteran-owned business with 18 employees, was nominated for the award by Barbara L. Frantom and Phillip H. Powers of the directorate’s Information Systems Division at Wright-Patterson Air Force Base, Ohio. The company is developing technology to identify aircraft network cabling problems.

Lumidigm, one of New Mexico’s 40 fastest-growing technology companies for the past two years, was nominated by Thomas J. Parisi of the directorate’s Information Grid Division at the AFRL Rome Research Site. The company has developed a sensor that collects identifying fingerprint information from both the surface and subsurface



of the skin—a radical departure from conventional optical fingerprint technology.

The SBIR program funds early-stage research and development at small high-technology companies. It is designed to stimulate technological innovation; increase private sector commercialization of federal research and development; increase small business participation in federally funded research and development; and to foster participation by minority and disadvantaged firms in technological innovation.

Selection criteria for the Tibbetts Award include the economic impact of technological innovation, business achievement and effective collaborations, and demonstrated state and regional impact.

Crumb is with Air Force Research Laboratory Public Affairs.

AIR FORCE PRINT NEWS (SEPT. 14, 2006) CHANGES TO ACQUISITION PROCESSES REDUCE DELIVERY TIME

Staff Sgt. C. Todd Lopez, USAF

WASHINGTON—Changes in the Air Force's acquisition community have already resulted in quicker delivery of capability to the warfighter, according to the assistant secretary of the Air Force for acquisition.

The Air Force acquisition community is changing the way it does business to deliver capability faster and at a lower cost, said Sue Payton during testimony Sept. 7 before the House Appropriations Committee defense subcommittee.

"The Air Force understands 21st century challenges must be met by continued leverage of our nation's technology leadership to counter the future threats in this rapidly changing world," she said. "Everything we do in Air Force acquisition is dedicated to getting an operational, suitable, effective, best-value and affordable product to the warfighter, in the least amount of time."

Payton told legislators that in order to better serve the warfighter, the Air Force has made changes to its acquisition process. One of those changes includes development of a rapid response assessment committee to eval-

uate acquisition requirements before a final capability development document is produced.

To aid in risk management and decision making on critical aspects of selected acquisition programs, the Air Force has established both an acquisition strategy panel and an Air Force review board.

"The senior level boards provide comprehensive reviews with appropriate checks and balances before major decisions are made," Payton said. "The [boards] tend to get at the systemic problems."

Payton also said the Air Force now considers sustainment of new acquisitions early on in the process, to calculate those costs sooner rather than later.

"This allows us to get the technical data necessary to support operations for sources of repair decisions in the future," she said.

Already, changes in the acquisition community have resulted in some successes for the Air Force, Payton said.

With the small diameter bomb, the Air Force ensured design and technology for the weapon was matured during the competitive process, instead of after a contrac-

"Everything we do in Air Force acquisition is dedicated to getting an operational, suitable, effective, best-value, and affordable product to the warfighter, in the least amount of time."

**—Sue Payton
Assistant Secretary of the Air Force for Acquisition**

tor was selected. Also, the Air Force established realistic program baselines at the onset. Those efforts ensured a more rapid delivery of that weapon to the warfighter, Payton said.

"This allowed us to provide the required assets to the field one month ahead of schedule, and to give commanders additional combat options as the units are getting ready to reply," she said.



When the United States Central Command Air Force commander wanted to deliver smaller sized weapons, with the same accuracy as that of the GBU-31 Joint Direct Attack Munition, the Air Force acquisition community responded. The new weapon would need to kill a target as effectively as the GBU-31 JDAM but work in a smaller area and cause less collateral damage. Air Force acquisition officials eventually delivered the 500-pound GBU-38 JDAM guided bomb.

“Pressing forward with these new processes, our acquisition team was able to rapidly analyze, test, and field this capability in 43 days for the F-15E Strike Eagle and in 52 days for the F-16 Fighting Falcon,” Payton said. “As you may recall, it was the F-16, employed with this new GBU-38, that eliminated al Qaeda terrorist Abu Mousab al Zarqawi.”

In past years, the Air Force has been the subject of much scrutiny on Capitol Hill over its acquisition practices. In fact, one senior Air Force official received jail time as a result of inappropriate acquisition activities. Payton said the Air Force acquisition community is now beyond those kinds of problems.

“I am convinced that the men and women of the Air Force, in this acquisition community, are committed to restoring public confidence and credibility in the acquisition process and our products,” she said.

Lopez is with Air Force Print News.

DEPARTMENT OF DEFENSE NEWS RELEASE (SEPT. 19, 2006) **DEFENSE SCIENCE BOARD CELEBRATES 50 YEARS**

Sept. 20, 2006, marks the 50th anniversary of the first meeting of the Defense Science Board (DSB). The DSB was formed as a recommendation of the Second Hoover Commission task force on research, chaired by then Bell Labs President Mervin Joe Kelly, in order to “canvas periodically the needs and opportunity for studies leading to radically new weapons systems.”

The DSB was formally established with the approval of its first charter on Dec. 31, 1956, by then Assistant Secretary of Defense (Research and Development) Clifford Furnas. Initial membership was 25 experts in science and technology headed by the DSB Chairman, Howard P. Robertson of the California Institute of Technology.

The DSB has undergone several adjustments to its charter since 1956, but its primary function remains to advise senior Department of Defense leadership on matters relating to science, technology, research, engineering, manufacturing, the acquisition process, and other matters that are of special interest to the DoD.

Membership today totals 42 individuals from industry and academia plus former DoD officials and retired flag officers. The current chairman is William Schneider Jr.; the vice chairman is Vincent Vitto.

The DSB Web site at <<http://www.acq.osd.mil/dsb>> provides access to reports, the latest DSB charter, and a detailed history of the DSB.

ARMY NEWS SERVICE (SEPT. 20, 2006) **RDECOM SWEEPS RESEARCH AND DEVELOPMENT AWARDS**

Trinace Johnson

ABERDEEN PROVING GROUND, Md.—The 2006 Research and Development Laboratory of the Year Competition award winners were announced Sept. 14 by the Department of the Army with five U.S. Army Research, Development and Engineering Command (RDECOM) organizations capturing top spots in every award given.

Twelve Army laboratories and two collaboration teams competed in research and development efforts, warfighter focus, support of soldiers in the war on terrorism, and homeland security.

Assistant Secretary of the Army for Acquisition, Logistics and Technology (ASAALT) Claude Bolton announced the following winners:

- **Large Research Laboratory:** Army Research Laboratory (ARL)
- **Large Development Laboratory:** Armament Research, Development and Engineering Center (ARDEC)
- **Small Development Laboratory:** Natick Soldier Center (NSC)

The two Collaboration award winners are:

- **ARL and Tank Automotive Research Development and Engineering Center (TARDEC),** for Powder Panel for Fuel Tank Protection
- **Natick Soldier Center and Army Research Institute of Environmental Medicine,** for Nutritionally Optimized First Strike Rations



"I am extremely proud of the dedicated efforts put forth by the labs and centers," said Maj. Gen. Rodger A. Nadeau, RDECOM commander. "This is a great accomplishment, not just for RDECOM, but for the soldiers who will benefit from the level of technology put out by our remarkably talented workforce," Nadeau said.

"I know that the winners of the RDL of the Year Awards worked exceptionally hard for their accomplishments, and we are very proud of their efforts. This is more than a win for them; this is a win for soldiers," said David J. Shaffer, deputy to the commander, RDECOM.

The RDL Awards Program was established in 1975 to honor Army research and development labs that have made outstanding contributions in science and technology, providing the Army's warfighters with the best capabilities in the world. The RDL awards recognize labs for their outstanding contributions and their impact on enhancing the capability of Army operational forces worldwide.

"The achievements of our centers and laboratories should demonstrate to soldiers the robust commitment of this command and its continuous efforts in providing soldiers the technology needed to defeat the enemy," said RDECOM Command Sgt. Maj. Eloy Alcivar.

RDECOM manages more than 17,000 military, civilians and direct contractors; with a multi-billion dollar annual budget; eight Labs, Research, Development and Engineering Centers; and nine International Technology Centers around the globe.

Johnson is with U.S. Army Research, Development and Engineering Command.

U.S. TRANSPORTATION COMMAND PUBLIC AFFAIRS (SEPT. 22, 2006) COMMAND RECEIVES TRANSFORMATION AWARD

Bob Fehring

SCOTT AIR FORCE BASE, Ill.—U.S. Transportation Command received a Leadership in Government Transformation award from the E-Gov Institute Sept. 16 for Enterprise Architecture work in support of the expanded Distribution Process Owner mission. The award recognizes best practices in developing and implementing successful Enterprise Architectures.

It was accepted by Steve Pierson, Command, Control, Computer and Communications Directorate, U.S. Trans-

portation Command, in a ceremony at the Ronald Reagan Building in Washington, D.C.

According to Pierson, Federal agencies are required to build architectures to better plan for capabilities and technology investments while ensuring agency programs receive funding.

Through Office of Management and Budget's Federal Enterprise Architecture and Department of Defense's Business Enterprise Architecture, this supply chain-based framework known as the Joint Deployment and Distribution Architecture is designed to create greater efficiencies and streamline inter-agency collaboration and communication.

"The latest challenge in expanding agency-based enterprise architectures is attempting to understand broader relationships and interdependencies among partnering agencies," Pierson said.

"U.S. Transportation Command has successfully pioneered an approach that has effectively aligned interdependent yet disparate enterprise architectures, enabling a holistic view of end-to-end scenarios, portfolios, and organizations," he noted.

"By working with the Office of the Secretary of Defense, Army, Navy, Air Force, Marine Corps, and the Defense Logistics Agency, U.S. Transportation Command has been able to map the interconnections between agencies without drastically altering individual agency architectures," Pierson continued.

"Benefits gained through this federated approach were the use of a reference model allowing participants to describe their business using a common language, resulting in an ability to view and display broader end-to-end processes including their seams," he explained.

"Of importance, the framework provides an outstanding foundation to support capability analysis, operational planning, program management and system development, and IT investment," Pierson added. "It is estimated this effort conservatively resulted in a cost avoidance of more than \$20 million."

Air Force Brig. Gen. Michael Basla, director of Command, Control, Communications and Computer Systems Directorate, U.S. Transportation Command, expressed his appreciation for the award.



"We are extremely pleased to have the efforts of so many people at U.S. Transportation Command, especially the enterprise architects, recognized by the E-Gov Institute with the distinguished Leadership in Government Transformation award," Basla said.

"Of course, the team didn't accomplish this alone," he noted. "U.S. Transportation Command worked with the Army, Navy, Air Force, Marine Corps, Defense Logistics Agency, and Office of the Secretary of Defense to map the interconnections between agencies, leveraging the great work done by individual agency architects."

Fehringer is a contractor with U.S. Transportation Command Public Affairs.

72ND AIR BASE WING PUBLIC AFFAIRS (SEPT. 22, 2006) **PROCESS IMPROVEMENT CLASS A PRIORITY AT OKLAHOMA CITY AIR LOGISTICS CENTER**

Brandice J. Armstrong

TINKER AIR FORCE BASE, Okla.—As another session of the Green Belt Training Course taught by The Lean Institute here shifts into high gear, Oklahoma City Air Logistics Center senior managers stress the importance of the class.

The Green Belt Training Course trains 20 students at a time and emphasizes Lean and Six Sigma tools including 5S + 1, value stream mapping and cause and effect diagrams. Since October 2005, more than 100 Lean classes have been offered.

"The course is meant to show us the power of process thinking and give us the basic tools to help us improve the way we do our work," said Air Force Col. Rick Matthews, OC-ALC vice director, who is enrolled in the current class.

Before a session begins, students are divided into teams and assigned a project to complete using techniques taught in the class.

"The purpose of a project is to ensure the students know how to apply techniques learned in the class into a real-world situation," said Wade Wolfe, Transformation, Integration, and Process Improvements Division chief with the Plans and Programs Directorate.

Projects assigned for the current session include reducing the time it takes to have a prescription refilled at the

base pharmacy, improving the mobility process in the 552nd Air Control Wing, reducing the process time for the Air Force Materiel Command purchase request form, and developing a more efficient way to ensure the 76th MXW is paid properly for work performed when repairing engine parts that exceed technical orders limits, Wolfe said.

The Green Belt Training course is a key component to meeting the challenge by Gen. Bruce Carlson, Air Force Materiel Command commander, to reduce costs and improving equipment availability, Wolfe said.

Since the program's induction, there have been several process improvements implemented, not only on the shop floor, but also in the administrative areas.

The F110 squadron in the 748th Combat Sustainment Group has improved the Air Force Technical Order-22 review and approval process. The benefits include an 88 percent reduction in overdue responses and a 54 percent reduction in average days open, which has lessened from 39 to 17 days, Wolfe said.

Armstrong is with 72nd Air Base Wing Public Affairs.

THE ARMY'S DISTRIBUTED LEARNING SYSTEM WINS 2006 EXCELLENCE IN ENTERPRISE INTEGRATION AWARD

NEWPORT NEWS, Va. (Sept. 14, 2006)—The Association for Enterprise Integration (AFEI) has recognized the Distributed Learning System (DLS), a program of the U.S. Army's Program Executive Office Enterprise Information Systems, as the government winner of the 2006 Excellence in Enterprise Integration Award. Given annually to one government and one industry project team for excellence and innovation in developing and deploying enterprise solutions, the award is intended to recognize achievement and best practices for projects that advance enterprise integration.

DLS demonstrated the best applications of technology and leadership to improve enterprise performance among the 30 government submissions for the 2006 awards program. The DLS nomination stood out because of its far-reaching implications to the entire Army.

DLS is the infrastructure that delivers distributed learning by bringing training to the soldier anywhere, anytime, 24/7. Using state-of-the-art technology, DLS streamlines training processes; automates training management



Acquisition & Logistics Excellence

functions; delivers training using electronic means; and enables military and civilian personnel, training developers, training managers, unit commanders, and training NCOs to access training using the Web.

DLS is responsible for fielding multiple training systems simultaneously, with the success of each program directly impacting the Army's ability to meet its training mission. To date, DLS has trained over 600,000 soldiers through one of the five components it supports: Digital Training Facilities, Enterprise Management Center, Army Learning Management System, Army e-Learning, and Deployed Digital Training Campuses. The components that make up DLS bring the Army one step closer to achieving its goal of providing one stop shopping for training information and resources.

For more information on the Army's Distributed Learning System, visit <www.dls.army.mil>. For more information on the Association for Enterprise Integration, visit <www.afei.org>.

LOGISTICS MODERNIZATION PROGRAM WINS BACK-TO-BACK AWARDS, CONTINUES TO TURN CORNER

Marlton, N.J. (Sept. 22, 2006)—If the Logistics Modernization Program's recent success is any indication, the future of Army logistics is bright. The Logistics Modernization Program (LMP) recently beat out 50 contestants to win the 2006 Excellence in Enterprise Integration Award during the Association for Enterprise Integration's (AFEI) Information Sharing Conference. Shortly after, LMP received an Honorable Mention in the Military Logistics Program of the Year award category during the Institute for Defense and Government Advancement's (IDGA) Military Logistics Summit. The two awards come at an important time as LMP continues to drive toward success.

"As the world's largest fully integrated supply chain planning and execution solution, these awards recognize the entire LMP Team and their dedication in supporting America's soldiers," said Army Col. Scott Lambert, project manager.

The Logistics Modernization Program (LMP) recently beat out 50 contestants to win the 2006 Excellence in Enterprise Integration Award during the Association for Enterprise Integration's (AFEI) Information Sharing Conference. Pictured at the awards ceremony held Sept 21, 2006, at the AFEI luncheon are from left: Sheri Thureen, Computer Sciences Corporation vice president and LMP program manager; Army Col. Scott Lambert, project manager, LMP; and Dave Chesebrough, president, AFEI. Photograph courtesy Association for Enterprise Integration.





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Computer Sciences Corporation is the prime systems integrator for LMP. CSC Vice President and LMP Program Manager Sheri Thureen commented: "The LMP Team is absolutely committed to delivering program excellence. This recognition for our team's successes in supporting our troops is a tremendous honor for all of us at CSC and the rest of the LMP Team."

Following on the heels of AFEI's award, at the IDGA Military Logistics Summit LMP received an Honorable Mention in the Military Logistics Program of the Year award category. LMP was acknowledged for its growth as one of the top innovators in logistics technology, LMP was also recognized for its efficiency in helping the Army and Department of Defense create a fully integrated environment that builds, sustains, and generates warfighting capabilities through an integrated logistics enterprise. In addition to showing measurable performance improvement, LMP's use of open, scalable information systems architecture and its unrivaled success at system availability, response time, automated processing, and security access put it ahead of other candidates.

As the cornerstone of the Single Army Logistics Enterprise, LMP provides national-level logistics business practices that revolutionize the Army's supply chain. By eliminating extensive manual intervention, LMP reduces the time, funding, and human resources required to process the millions of transactions the Army initiates on an annual basis.

Since its deployment in July 2003, LMP has utilized the best in Enterprise Resource Planning (ERP) technology, allowing for continual improvement in warfighter readiness and decision making.

LMP will be fully deployed in 2010 with the support of the Army's Program Executive Office, Enterprise Information Systems (PEO EIS). LMP will manage \$4.5 billion in inventory, process greater than \$5 billion in customer sales, manage more than \$7 billion in Army obligations, and be used by 17,000 professionals.

For more information about LMP, visit <<http://www.wlmp.com>>.

AIR FORCE PRINT NEWS (OCT. 2, 2006) AIR FORCE LAUNCHES YOUNG INVESTIGATORS RESEARCH PROGRAM

William J. Sharp

ARLINGTON, Va.—Air Force Office of Scientific Research officials announced Oct. 2 an award of approximately \$6.3 million in grants to 21 scientists and engineers who submitted winning research proposals through the Air Force's new Young Investigator Research Program.

The program is open to scientists and engineers at research institutions across the United States, and those selected will receive the grants over a three-year period.

Competition for YIP grants is intense. A total of 145 proposals were received in response to the AFOSR broad agency announcement solicitation in major areas of interest to the Air Force. Interest areas include aerospace and materials sciences, chemistry and life sciences, mathematics and information sciences, and physics and electronics. AFOSR officials selected proposals based on the evaluation criteria listed in the broad agency announcement.

"AFOSR is proud to participate in the President's National Competitive Initiative by supporting the exciting research of these 21 outstanding scientists and engineers," said Dr. Brendan Godfrey, AFOSR director. "The AFOSR Young Investigator Research Program will grow to at least 50 grants over the next three years."

The program supports scientists and engineers who have received doctorate or equivalent degrees in the last five years. Grant recipients must show exceptional ability and promise for conducting basic research.

The objective of this program is to foster creative basic research in science and engineering, enhance early career development of outstanding young investigators, and increase opportunities for the young investigators to recognize the Air Force mission and the related challenges in science and engineering.

Sharp is with Air Force Office of Scientific Research Public Affairs.

AMERICAN FORCES PRESS SERVICE (OCT. 4, 2006) DOD PROMOTES ENERGY INITIATIVES TO STRETCH DOLLARS, IMPROVE EFFICIENCY

Donna Miles

WASHINGTON—The Defense Department is exploring ways to make its weapon systems and facilities more fuel-efficient and less vul-



nerable to market fluctuations and controls, senior defense officials told Pentagon reporters today.

John J. Young Jr., director of defense research and engineering, said DoD is putting more emphasis on improving the efficiency of its operations—for national security as well as financial reasons.

DoD is the United States' biggest energy consumer, using more than 300 million barrels of oil every day. At those levels, a \$10-a-barrel price hike puts a \$1.3 billion dent in the defense budget and the funds appropriated to support the fighting force.

"When oil goes up \$10 a barrel, there's a billion dollars in things we don't get to do ... [for] the warfighter," Young said.

But heavy dependence on oil has other repercussions for the military, too, he said. The United States imports 58 percent of its oil, so there's no solid guarantee that it will always have access to the energy it needs.

A major goal in DoD's energy program "is making sure we ... have multiple options in a changing marketplace for assured access to the energy that is required for the military to provide the nation's security," Young said.

And for deployed troops, oil dependence boils down to an even more basic vulnerability, Young explained. The more fuel they need, the more convoys they need to put on the road to deliver it, and the more frequently they expose themselves to improvised explosive devices and other threats.

He cited "a desire to have renewable-type [energy] sources in Iraq and deployed locations so we ... potentially have to take less fuel to the deployed forces and therefore put fewer convoys at risk."

About three-quarters of DoD's oil consumption goes toward keeping the military on the move: its aircraft conducting sorties, its ships patrolling the seas, and its wheeled and tracked vehicles patrolling the streets of Iraq and Afghanistan.

The military is working to make these systems less oil-dependent without sacrificing capability, Young explained. It is looking into composite materials that make vehicles lighter and more efficient, and fuel-efficient engines and alternative fuel sources to decrease its dependence on fossil fuel.

The Air Force, DoD's biggest energy user, is considering setting a goal to reduce its fuel consumption in a way that doesn't shortchange training or operations, he said. The Marine Corps recently issued a solicitation for a new heavy truck that includes "a very specific and precise goal that decreased fuel consumption something like 15 to 20 percent" over its current Logistics Vehicle System.

"And so in each program space, we are going to set ... fairly aggressive goals for achieving additional efficiencies" that apply technological advances, he said. "And we have already been doing that."

Many of those same strategies are already proving successful as DoD reduces the fuel needed to keep its 570,000 buildings and facilities around the world humming, Philip Grone, deputy under secretary of defense for installations and environment, told reporters. These facilities consume about 22 percent of DoD's energy requirements, but more than 8 percent of the electricity they use comes from renewable energy sources, he said. DoD hopes to raise that level to 25 percent by 2025, setting the standard for the rest of the federal government as well as industry, Grone told reporters.

Throughout the military, Grone said, he sees a continued trend toward tapping diversified energy sources—particularly more renewable sources—that offer more efficiency and reliability to the fighting force. "That is where I see us headed in the course of the next 10 to 25 years," he said. "Conceptually, that is where we want to be."

Whether from an operational or support viewpoint, all energy conservation ultimately supports the fighting force because it frees up defense dollars for critical training and equipment, Grone said. As these initiatives increasingly take shape, "resources will be freed up to go for higher priority efforts in supporting the mission ... [and] the pointy end of the spear," he said.

Miles is with American Forces Press Service.

AIR FORCE MATERIEL COMMAND NEWS SERVICE (OCT. 6, 2006) **C-5 PROGRAMMED DEPOT MAINTENANCE EARNS ACCOLADES**

Damian Housman

ROBINS AIR FORCE BASE, Ga.—The C-5 Programmed Depot Maintenance team at Robins AFB earned the 2006 Chief of Staff Team Excellence Award in a ceremony in Washington, D.C.



C-5 Galaxy workers from Robins Air Force Base, Ga., received the 2006 Chief of Staff Excellence Award. The C-5 Programmed Depot Maintenance team improved processes through Lean initiatives and implementation of critical chain project management, increasing the capacity to do unprogrammed C-5 work.
U. S. Air Force photograph by Sue Sapp.

Air Force Chief of Staff Gen. T. Michael Moseley presented the award to the C-5 PDM Process Improvement Team in late September.

“The increased tempo of operations in the war on terrorism means our strategic airlift assets are in greater demand by the warfighter,” said Leigh Thompson, 559th Aircraft Maintenance Squadron deputy director. “We had to find a way to get C-5 (Galaxys) back in the war, and we have.”

Thompson said the team has improved its processes through lean initiatives and implementation of critical chain project management, increasing the capacity to do unprogrammed C-5 work.

“CCPM is focused on critical chain buffering, pipelining, and buffer management,” said Gail Turner, a scheduling supervisor. “It’s a new management process that helps managers focus on schedule and cost instead of managing at the lowest level.”

“We were having problems with damaged wire during removal and installation of the heat exchanger,” said Calvin Williams, an aircraft electrician. “We moved some of the wiring out of the way, and used a protective cover for other wires to prevent damage during the repair process.”

Another area of improvement was the repair of floor boards. The team had to identify the parts of the floor boards delaying completion of the process. “Floor boards were taking a lot of time. We were able to reduce floor board defects and cut flow days,” said Darrell Harman, the sheet metal work leader. “We are just trying to get the aircraft out to the warfighter as soon as possible. That’s the bottom line. Awards are nice, but we want better, faster ways to do things. The team has one vision, and that is to support the warfighter,” he said.

Robins AFB maintenance members also received four Shingo prizes and the Franz Edelman Award this year.

Housman is with Warner Robins Air Logistics Center Public Affairs.



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2006 U.S. ARMY ACQUISITION CORPS ANNUAL AWARDS CEREMONY

2006 Secretary of the Army Award for Excellence in Contracting

Barbara C. Heald Award

Winner: Kristina Jensen, U.S. Army Communications-Electronics Life Cycle Management Command (LCMC)

2006 Army Life Cycle Logistician of the Year Award

Army Life Cycle Logistician of the Year

Winner: Amelia (Amy) Barnett, PEO Missiles and Space, U.S. Army Aviation and Missile Life Cycle Management Center

2006 Department of the Army Research and Development Laboratory of the Year Awards

Large Research Laboratory of the Year

Winner: U.S. Army Research Laboratory (ARL)

Large Development Laboratory of the Year

Winner: U.S. Army Armament Research, Development and Engineering Center

Small Development Laboratory of the Year

Winner: U.S. Army Natick Soldier Center (NSC)

Collaboration Team of the Year

Winners: ARL and U.S. Army Tank Automotive Research, Development and Engineering Center, **and** NSC and U.S. Army Research Institute of Environmental Medicine

Secretary of the Army Acquisition Director and Project and Product Manager of the Year Awards

Acquisition Director of the Year at the Lieutenant Colonel Level

Winner: Lt. Col. James Simpson, Defense Contract Management Agency, Central Pennsylvania and Northern Iraq

Product Manager of the Year

Winner: Col. Philip Carey, PEO Intelligence, Electronic Warfare and Sensors, Infrared Countermeasures

Acquisition Director of the Year at the Colonel Level

Winner: Col. John Rooney, U.S. Army Test and Evaluation Command, U.S. Army Aberdeen Test Center (ATC), Aberdeen Proving Ground

Project Manager of the Year

Winners: Col. Jonathan Maddux, Program Manager Future Combat Systems (Brigade Combat Team) (FCS(BCT)), FCS(BCT) Network Systems Integration **and** Col. Mark Rider, PEO Ammunition, Maneuver Ammunition Systems—Direct Fire

Army Acquisition Excellence Awards

Individual Sustained Achievement

Winners: Maj. Carl Kimball, PEO Simulation, Training and Instrumentation, Assistant Product Manager for Live Training Systems, **and** William H. Weed, PEO Enterprise Information Systems, Medical Communications for Combat Casualty Care

Equipping and Sustaining Our Soldier Systems

Winner: North Atlantic Regional Contracting Office, U.S. Army Medical Command, Health Care Acquisition Activity

Information Enabled Army

Winner: ATEC Tactical Wheeled Vehicle Instrumentation Team, ATC

Transforming the Way We Do Business

Award Winner: Task Force Acquisition, Logistics and Technology, Office of the Assistant Secretary of the Army for Acquisition, Logistics and Technology

U.S. ARMY ACQUISITION SUPPORT CENTER NEWS RELEASE (OCT. 9, 2006) 2006 AAC AWARDS CEREMONY RECOGNIZES ACQUISITION STARS

ARLINGTON, Va.—The acquisition community held its 2006 U.S. Army Acquisition Corps (AAC) Awards Ceremony on Oct. 8, 2006, at the DoubleTree Crystal City Hotel. The event recognized the accomplishments of the acquisition workforce's most extraordinary members and the teams they lead. The ceremony's theme, "Celebrating Our Acquisition Stars," was a tribute to the uniformed and civilian professionals who work tirelessly behind the scenes to provide combatant commanders and their soldiers the weapons and

equipment they need to execute decisive, full-spectrum operations as they protect our nation's precious freedom.

"We honor some of the outstanding men and women—military and civilian—of the Army Acquisition Corps and the greater Army acquisition, logistics and technology workforce," remarked Claude M. Bolton Jr., Army acquisition executive and assistant secretary of the Army for acquisition, logistics and technology (ASAALT), who hosted the event. "It is clear that we have the world's best acquisition and logistics workforce to keep our Army the most capable land force on earth."



Acquisition & Logistics Excellence

“We serve a nation at war and a military force that is transforming while fighting and winning the global war on terrorism,” Bolton observed. “It is clear that we have charted the right course—increasing capability, flexibility, and sustainability—and that we must maintain the tremendous momentum we have built.”

U.S. Army Acquisition Support Center Deputy Director Col. Fred Mullins presided over the event as master of ceremonies. Current Army and retired senior leaders present included: Paul J. Hoepfer, former ASAALT; Lt. Gen. Joseph L. Yakovac Jr., military deputy to the ASAALT and director, Acquisition Career Management; Lt. Gen. Steven Boutelle, Chief Information Officer, G-6; Lt. Gen. (Ret.) John S. Caldwell, former ASAALT military deputy; Tina Ballard, Deputy Assistant Secretary of the Army (DASA) for Policy and Procurement; and Dr. Thomas H. Killion, DASA for Research and Technology and the Army’s Chief Scientist. Representing the DASA for Integrated Logistics Support was Larry Hill.

The evening’s presentations included the Secretary of the Army Excellence in Contracting Barbara C. Heald Award; Army Life Cycle Logistician of the Year Award; Department of the Army Research and Development Laboratory of the Year Awards; the Secretary of the Army Acquisition Director, Project and Product Managers of the Year Awards; and Army Acquisition Excellence Awards.

“One thing that I would like you to always remember is that we—each and every one of us—work for the soldier” Bolton explained. “Every day, America’s warfighters stand ready to make the ultimate sacrifice. They face threats that change—quite literally—overnight, and their success in meeting these challenges rests on our shoulders.”

For more information about the 2006 AAC Awards Ceremony, please contact Mike Roddin at (703) 805-1035 or e-mail mike.rodin@us.army.mil.

The U.S. Army Acquisition Support Center (USAASC) supports Army warfighter readiness by developing a world-class professional acquisition workforce, effectively acquiring and stewarding resources, and providing customers with the best possible products and services. For additional information about USAASC, visit <<http://asc.army.mil>>.

“By equipping our forces with electronic medical recording capabilities, MC4 PMO is providing the Army a distinct advantage on the battlefield like never before ... Every soldier benefits from having MC4 on the battlefield.”

**—Claude Bolton
Assistant Secretary of the Army
Acquisition, Logistics & Technology**

MEDICAL COMMUNICATIONS FOR COMBAT CASUALTY CARE PRODUCT MANAGEMENT OFFICE (OCT. 12, 2006) MC4’S BILL WEED RECOGNIZED WITH ‘06 ARMY ACQUISITION EXCELLENCE AWARD

FORT DETRICK, Md.—The Army’s Medical Communications for Combat Casualty Care (MC4) Product Management Office (PMO) was awarded the 2006 DoD Chief Information Officer Team Award for outstanding achievement in DoD information management based on the spirit and intent of the Clinger-Cohen Act of 1996 (Information Technology Management Reform Act) and vision of the DoD CIO.

Assistant Secretary of the Army for Acquisition, Logistics, and Technology Claude M. Bolton Jr., commended MC4 PMO for its impact on deployed service members, deployed medical forces, and combatant commanders supporting Operations Iraqi and Enduring Freedom.

“By equipping our forces with electronic medical recording capabilities, MC4 PMO is providing the Army a distinct advantage on the battlefield like never before,” Bolton said. “Every soldier benefits from having MC4 on the battlefield.”

In addition to fielding 15,000 systems and training 16,000 deployed medical professionals, MC4 PMO was lauded for introducing medical recording capabilities in Afghanistan for the first time, in addition to immediately deploying to New Orleans in support of Joint Task Force Katrina relief efforts. Weed was recognized for introducing electronic post-deployment health assessment capabilities on the battlefield, in addition to opening MC4’s new European Regional Technical Support Site in



Assistant Secretary of the Army for Acquisition, Logistics and Technology Claude Bolton (center) presents Bill Weed (right), Medical Communications for Combat Casualty Care Product Management Office (MC4 PMO) with the 2006 Army Acquisition Excellence Individual Award and commends Ben Pryor (left) as a finalist for the Army Life Cycle Logistician of the Year Award. Photograph courtesy MC4 PMO.

Miesau, Germany, to support units in the European Command.

“MC4’s resourcefulness and flexibility have proven to be a tremendous asset in the ever-changing Army environment,” said Kevin Carroll, Program Executive Officer, Enterprise Information Systems (PEO EIS). “MC4’s ability to meet new and emerging needs in the combat zone has enabled the capture of 1 million electronic medical records—a number that speaks volumes on its personal and global impact.”

MC4 integrates, fields, and supports a medical information management system for Army tactical medical forces, enabling a comprehensive, lifelong electronic medical record for all servicemembers, and enhancing medical situational awareness for operational commanders. Headquartered at Fort Detrick, Md., MC4 is under the oversight of the Army PEO EIS at Fort Belvoir, Va.

Media contact: Ray Steen, Public Affairs, MC4, at ray.steen@us.army.mil.

DEPARTMENT OF DEFENSE NEWS RELEASE (OCT. 26, 2006) **DOD ANNOUNCES MAINTENANCE AWARD WINNERS**

The Department of Defense announced today the annual winners of the Secretary of Defense Maintenance Awards, the Phoenix, and the Robert T. Mason Trophies recognizing excellence in field and depot-level maintenance.

The field-level maintenance awards honor military maintenance organizations for outstanding performance. The awardees—two from each category of small, medium, and large organizations—are chosen from active and reserve organizations that perform unit- or field-level maintenance. One of those organizations is singled out as the best of the best and receives the Phoenix Trophy.

2006 Phoenix Award

The 2006 winner of the Phoenix Award for field level maintenance is the 3rd Materiel Readiness Battalion, III Marine Expeditionary Force (MEF). Based in Okinawa, this battalion serves the entire III MEF. In fiscal year 2005, III MEF units deployed in support of Operation Iraqi Freedom, Operation Enduring Freedom, and various training exercises and humanitarian relief efforts. Despite supporting so many diverse missions, the battalion completed more than 13,500 intermediate repair orders in an average repair cycle time of 27.8 days, resulting in III MEF having an overall ground combat equipment readiness of greater than 95 percent.

Secretary of Defense Maintenance Awards

The other field-level maintenance organizations receiving Secretary of Defense Maintenance Awards are: Helicopter Anti-submarine Squadron Light 47, Helicopter Maritime Strike Wing for the Navy and 303rd Intelligence Squadron, Air Combat Command for the Air Force in the small category; the 297th Transportation Company, 2nd Chemical Battalion for the Army, and the 437th Maintenance Squadron/315th Maintenance Squadron (Reserve), Air Mobility Command for the Air Force in the medium category; and 3rd Maintenance Group, 3rd Wing for the Air Force in the large category.

Robert T. Mason Trophy

The Secretary of Defense Maintenance Award for depot-level maintenance, the Robert T. Mason Trophy, is presented to the major organic depot-level maintenance fa-



cility that exemplifies responsive and effective depot-level support to DoD operating units. It is named after a former assistant deputy secretary of defense for maintenance policy, programs, and resources, who served as a champion for excellence in organic depot maintenance operations.

The 2006 winner of the Robert T. Mason Trophy is the High Mobility Multipurpose Wheeled Vehicle Recapitalization Program at Red River Army Depot, Texas. Through this program, the Red River Army Depot restored nearly 2,800 primarily battle-damaged HMMWVs, exceeding planned output by 33 percent, while reducing average defects by 46 percent, shortening repair cycle time by 45 percent and lowering the average cost by 42 percent. Its workload for fiscal year 2006 consisted of 3,500 HMMWVs, a 26 percent increase over the year before.

These awards were presented Oct. 25 at the 2006 DoD Maintenance Symposium and Exhibition in Reno, Nev.

**AERONAUTICAL SYSTEMS CENTER
OFFICE OF PUBLIC AFFAIRS (OCT. 27,
2006)**

DOD SELECTS AIR FORCE CIVILIAN FOR DISABLED EMPLOYEE AWARD

Estella Holmes

WRIGHT-PATTERSON AIR FORCE BASE, Ohio —The beginning of the award reads, “outstanding DoD employee,” defining a career marked by a strong work ethic and many achievements before mentioning the life-threatening injury that changed his world 11 years ago.

Paul Gabriel, an electronics engineer at Aeronautical Systems Center’s Engineering Directorate, will accept the 2006 Employees with Disabilities Award during a special ceremony in Washington, D.C., in December. Gabriel was selected for the DoD award after having been similarly honored at the Air Force and Air Force Materiel Command level.

“Paul has contributed a tremendous amount of technical ability and hard work, with increased positive progress and results for the Joint Strike Fighter team,” said Air Force Col. James Godsey, deputy director of engineering at ASC.

But the challenge of working on one of the Air Force’s newest weapon systems does not compare to the challenge that Gabriel faced in 1995 when, while on his way to a class to complete his master of science degree in

mechanical engineering, an automobile accident left him a quadriplegic with little feeling below the neck. His attention was suddenly diverted from graduate school to two-and one-half years of intensive physical therapy.

Still, as Godsey said, “Paul has never let his disability get in the way of his dedication and talent.”

After the accident, Gabriel had to focus on learning how to do day-to-day tasks, but his desire to get his master’s degree remained. “I felt the need to finish what I started,” Gabriel said. He had to reinvent how to communicate in a time before voice-recognition computer software. One challenge was how to dictate mathematical equations involving complex expressions and Greek letters to non-technical helpers. He did his school work by patiently describing what to write and type to his wife and nurse. Gabriel continued school and completed his degree in May 2002, attending his graduation in his wheelchair.

When asked what is most challenging for him since his spinal cord injury, Gabriel said, “Everything. Putting one foot in front of the other is rather difficult, but the most difficult thing is learning that I have a limited amount of energy. Before the accident I could plug away at a task for hours. Now, I must measure my efforts, as I tire easily.” Constant neuropathic pain in his non-functioning limbs also makes it impossible to concentrate enough to work at times.

Upon preparing to return to work, special effort was made to find the right job fit for Gabriel “based on his particular talents and special needs” according to Ann Kreider, his supervisor in the engineering directorate.

As a weapon system integrity engineer, Gabriel’s talents were aligned with the task of designing an integrity program for the JSF.

“Doing the work is not a problem,” Gabriel says. “My disability is a minor inconvenience, which I have retrained myself to work around.

He often works from home using telecommuting capabilities. A special telephone and voice-activated computer were provided. From this venue, he is able to analyze systems for the JSF, making sure reliability, integrity, maintainability, and durability are designed into the system up front when changes are cheaper and more efficient. Changes made at a later time might result in extensive retesting and modifications.



Acquisition & Logistics Excellence

WRIGHT-PATTERSON AIR FORCE BASE, Ohio — Paul Gabriel, an electronics engineer at Aeronautical Systems Center's Engineering Directorate, will accept the 2006 Employees with Disabilities Award during a special ceremony in Washington, D.C., in December. Photograph courtesy Aeronautical Systems Center Public Affairs.



Gabriel works closely with his contract partners at Lockheed Martin Aeronautical Systems Co., Ft. Worth, Texas. Winning the award comes after years of accolades from fellow professionals at the plant.

"We are fortunate and honored to work with a technical expert of Paul Gabriel's caliber", said Paul Watson, Vehicle Systems Integrity, JSF Program. Colleague Mitchell Ratzloff added, "Paul Gabriel's contributions to the JSF Program have been tremendous. I am proud to have him as a peer and colleague."

Holmes is with Aeronautical Systems Center Office of Public Affairs.

Department of Defense News Release

Department of Defense Civilian Awards Presentations Announced

On Nov. 9, Deputy Secretary of Defense Gordon England presented two categories of distinguished civilian awards, the 51st annual DoD Distinguished Civilian Service Awards, and the 2nd annual DoD David O. Cooke Excellence in Public Administration Award. The Pentagon ceremony was hosted by the Director, Administration and Management Michael B. Donley.

The DoD David O. Cooke Excellence in Public Administration Award recognizes a DoD employee with from three to 10 years of federal service and occupies a non-managerial DoD position who exhibits great potential as a federal executive. This employee must emulate Cooke's dedication to service and spirit of cooperation and improvement in the department. The recipient of this year's award was [Lorena Castro](#), project engineer, Program Executive Office (Ships), Department of the Navy. Castro was responsible for the development of the acquisition and contracting strategy for procuring three research ships for the National Science Foundation.

The DoD Distinguished Civilian Service Award is the highest DoD-level award that a career civil servant can earn. It recognizes career employees for exceptional contributions to the DoD. The following received this award:

[Gus Guissanie](#), deputy director, Information Assurance, OSD/Networks and Information Integration/Chief Information Officer; [Thomas Harvey](#), principal director, Stability Operations, OSD/Policy; [Gail McGinn](#), deputy under secretary of defense for Plans, OSD/Personnel and Readiness; [Maurice M. Mizrahi](#), operations research analyst, OSD/Program Analysis and Evaluation; [Victor Ferlise](#), deputy to the commanding general for operations and support, Department of the Army; [Charles Gallaher](#), director, Joint Warfare Applications Department, Department of the Navy; [Bhakta Rath](#), associate director of research, Naval Research Laboratory, Department of the Navy; and [Lawrence Fielding](#), technical director, Aeronautical Systems Center, Department of the Air Force.