

will enable the effective delivery of therapies that take advantage of the narrow time window that eye injuries have for most effective treatment once damage has occurred. In addition, the development of effective treatments for these conditions could save the U.S. government hundreds of millions of dollars annually in preservation of combat readiness, improvement of the visual performance of re-enlisting soldiers and in reduction of long-term health care related costs.

For the priority titled "Flashlight Soldier-to-Soldier Combat Identification System (FSCIS)" which received \$4.5 million in H.R. 3326, SOCOM Special Operations Technology Development, the legal name and address of the receiving entity is ATR Electronics, 109 Ridgmont Ave, San Antonio, TX 78209. Friendly Fire (FF) is a serious problem for the U.S. military and its coalition partners. FF incidents occur frequently and cause unnecessary death and injury, and it weakens the resolve of some coalition partners. Per capita, U.S. FF casualties increased 300 percent during the 2003 Iraq invasion phase compared to 1991 Desert Storm. Efforts to reduce FF casualties through doctrine, training, and Blue Force Tracking have not succeeded. The Flashlight Soldier-to-Soldier Combat Identification System (FSCIS) RDT&E priority develops 13-prototype M4 rifle mounted/body worn radio communication devices that immediately identify friendly soldiers and equipment at the point of engagement. Follow-on Flashlight antennas can be mounted on vehicle platforms (tanks, etc.) and aircraft to create a single-system Combat ID capability that can be integrated into advanced communications systems. Congress provided \$2M in FY 2008 and \$5.6M in FY 2009 RDT&E funding. USSOCOM is the FSCIS sponsor.

For the priority titled "Field Deployable Hologram Production System" which received \$4.5 million in H.R. 3326, Army Military Engineering Advanced Technology, the legal name and address of the receiving entity is Zebra Imaging, 9801 Metric Boulevard, Suite 200 Austin, TX 78759. The Field Deployable Hologram Production System is needed by DOD to reduce the time now required to provide 3D imagery to deployed combat forces in Iraq and Afghanistan for intelligence and operation planning.

For the priority titled "Mobile, Oxygen, Ventilation, and External (MOVES)" which received \$3.4 million in H.R. 3326, Navy Medical Development account, the legal name and address of the receiving entity is SVTronics, 3465 Technology Drive, Plano, TX 75074. MOVES will provide critical life-saving capabilities to combat casualties in the field, and significantly reduce logistical costs and hazards. The MOVES anesthetic module will also eliminate the waste, work hazards, and need for additional training associated with anesthetic delivery technology currently used in field hospitals.

For the priority titled "Mobile Firing Range" which received \$1.5 million in H.R. 3326, Army Training Devices, Nonsystem account, the legal name and address of the receiving entity is Texas Army National Guard, PO Box 5218, Austin, TX 78763. Currently there is no opportunity to fire weapons for training or qualification without traveling to a certified range on a military installation. The TXANG Guard currently does not have access to any indoor ranges that can be used to fire the

M16/M4 which is the current armament for 90 percent of the soldiers within the Texas Army National Guard. The Mobile Firing Range will allow soldiers to train with their assigned weapons at home station. The value added is soldiers can train more than once a year during their annual qualification. The ability to have mobile ranges allows them to be collocated as needed to support deploying unit needs. This system is a training and force multiplier due to the negation of travel and lodging, and staging needed when conducting this training on a military facility.

For the priority titled "Intelligent Energy Control Systems" which received \$3 million in H.R. 3326, Army Electronics And Electronic Devices account, the legal name and address of the receiving entity is Williams Pyro, 200 Greenleaf Street, Fort Worth, TX 76707. This priority fully supports the Army Science and Technology Master Plan which requires focus on Logistic technologies that reduce logistics demand and technologies that reduce demand for consumables such as fuel and enhance the nation's assurance of sufficient energy for Army missions. Additionally, this is a follow on Priority to a Phase II award for the Small Business Innovative Research.

For the priority titled "NSW Protective Combat Uniform" which received \$2.5 million in H.R. 3326, Special Operations Forces Operational Enhancements account, the legal name and address of the receiving entity is Naval Special Warfare Development Group, 1636 Regulus Ave, Virginia Beach, VA 23461. This is an unfunded priority for the community. The use of the Protective Combat Uniform will reduce the detectability of SEALs by enemy forces. The textiles used in the PCU ensemble address signature reduction against visual and near-infrared sensors.

For the priority titled "Women In Military Service For America Memorial Foundation" which received \$2 million in H.R. 3326, Administration And Servicewide Activities account, the legal name and address of the receiving entity is Women In Military Service For America Memorial Foundation, 200 N Glebe Rd Ste 400, Arlington, VA 22203. The purpose of this funding is to bridge the difference between operating and maintenance expenses and the funds raised by the Women's Memorial Foundation to pay those expenses so that the Memorial and the Foundation can continue in operation. Without this funding, it will be impossible for the Foundation to stay in operation and keep the Women's Memorial open as one of the Mall's major Memorials. The Foundation is the only place in the country solely dedicated to researching and making available to DoD and Veterans Affairs officials, other government agencies, various organizations, and other interested persons, information about the history and achievements of military women. It is a source of strong, positive female role models for young boys and girls. About 200,000 people from around the world visit the Memorial each year and some 2.0 million have visited it to date. The Memorial has been designated as a "Safe Haven" in the event of a catastrophe in the District of Columbia or Northern Virginia as well as a site potentially being used as a command post by Homeland Security in the event of a disaster in this same area. The Memorial and the Foundation with its unique archive and collection of artifacts is one of the Nation's treasures and must be kept in operation.

For the priority titled "Portable Sensor for Toxic Gas Detection" which received \$2.6 million in H.R. 3326, Army Missile Technology account, the legal name and address of the receiving entity is General Atomics, 3550 General Atomics Ct., San Diego, CA 92121. The Portable Sensor for Toxic Gas Detection priority will save lives and tax dollars by delivering to the soldier on the battlefield a single, hand-held detector that can sense any combination of several toxic chemical weapon vapors in less than harmful concentrations. Currently, a separate team is dedicated to sensing and reporting deadly concentrations of chemical weapons on the battlefield. This was an acceptable model in battles past. The asymmetric tactics of today's enemy demand a more prevalent and protective sensor capability for our men and women in the urban warfare environment. This priority will deliver that needed capability required today and in the future.

#### EARMARK DECLARATION

### HON. TIM MURPHY

OF PENNSYLVANIA

IN THE HOUSE OF REPRESENTATIVES

Tuesday, July 28, 2009

Mr. TIM MURPHY of Pennsylvania. Madam Speaker, pursuant to the Republican Leadership standards on earmarks, I am submitting the following information regarding earmarks I received as part of H.R. 3326, the Department of Defense Appropriations Act, 2010:

Requesting Member: Congressman TIM MURPHY

Bill Number: H.R. 3326, the Department of Defense Appropriations Act, 2010

Account: 35 0603513N Shipboard System Component Development

Legal Name of Requesting Entity: Eaton Corporation

Address of Requesting Entity: 1000 Cherrington Parkway; Moon Twp., 15009

Amount: \$600,000

Description of Request: Funding will be used to develop a new 100 amp breaker that will complete a family of current limiting AQB circuit breakers used in electrical distribution systems onboard Navy combatant vessels. The new breaker will save size and weight, will eliminate the need for current limiting fuses, and will enhance both the survivability of the electrical system and the survivability of the ship's mission. The Navy presently uses current limiting electronic trip AQB circuit breakers in its electrical distribution systems at the 250 amp, 400 amp and 800 amp frame sizes. Missing from this family is a 100 amp frame size breaker. The new 100 amp AQB current limiting breaker will eliminate the need to use current limiting fuses and fuse bases. This will save about 30% space and weight. Circuit breakers can be re-closed after clearing a fault condition in the electrical system instead of the present situation wherein fuse units must be physically replaced. This enhances the survivability of the electrical system, which therefore enhances the survivability of the ship's mission. There are also logistic support savings. The funding will be used to militarize and shock harden an existing COTS commercial circuit breaker and to perform Navy QPL qualification testing.

I certify that this project does not have a direct and foreseeable effect on the pecuniary interests of me or my spouse.

I took extreme care to ensure that these projects are well vetted and strongly supported. The High-Shock 100 Amp Current Limiting Circuit Breaker appropriation is of particular interest to my district and importance.

Requesting Member: Congressman TIM MURPHY

Bill Number: H.R. 3326, the Department of Defense Appropriations Act, 2010 D

Account: 50 0603734A Military Engineering Advanced Technology

Legal Name of Requesting Entity: PPG  
Address of Requesting Entity: 4325 Rosanna Drive; Allison Park, PA 15101  
Amount: \$2,000,000

Description of Request: The objective of this program is to leverage nanotechnology to develop low cost multifunctional materials to be used to effectively treat and purify water for potable supply or return of wastewater. Water conservation and the demand for clean drinking water have and will continue to increase globally and many parts of the world are under stress in the ability to supply potable water to the masses. Water transportation is a significant logistical burden in the deployment of forces in the global war on terror.

I certify that this project does not have a direct and foreseeable effect on the pecuniary interests of me or my spouse.

I took extreme care to ensure that these projects are well vetted and strongly supported. Nanotechnology for Potable Water and Waste Treatment appropriation is of particular interest to my district and importance.

Requesting Member: Congressman TIM MURPHY

Bill Number: H.R. 3326, the Department of Defense Appropriations Act, 2010

Account: 16 0603123N Force Protection Advanced Technology

Legal Name of Requesting Entity: Curtiss-Wright

Address of Requesting Entity: 291 Westec Drive; Mt. Pleasant, PA 15666  
Amount: \$3,600,000

Description of Request: The Navy has unique requirements for high power density, low weight, low distortion and noise, high efficiency, high reliability, and reduced maintenance on its next generation electric drive ships. The service has been funding development of various propulsion motors for years, and has recognized the value of concurrently supporting development of the required motor drive to maximize system effectiveness. This project would support development of an advanced motor drive technology that is projected to improve system power density by a factor of 3 to 5 and reduce weight by a factor of 3 over commercially available drive systems; and reduce system losses approximately 2–3%. High Power Density Motor Drive technology is based on proven power conversion techniques that have been used for several decades in icebreaker and cruise ship propulsion systems. Integration with complimentary Navy motor development efforts will open up considerable advantage on the design of a complete Navy “system”, optimized for high demands of propulsion. This combination of motor drive with ongoing motor technology development will support all Navy requirements and enable usage of solid-state power electronic motor drives throughout the Navy combatant fleet. Requested FY10 funding would support design completion, manufacture and subscale proof of concept dem-

onstrations of a ship-worthy propulsion motor drive system.

I certify that this project does not have a direct and foreseeable effect on the pecuniary interests of me or my spouse.

I took extreme care to ensure that these projects are well vetted and strongly supported within the community. The High Power Density Motor Drive appropriation is of particular interest to my district and importance.

Requesting Member: Congressman TIM MURPHY

Bill Number: H.R. 3326, the Department of Defense Appropriations Act, 2010

Account: 35 0603513N Shipboard System Component Development

Legal Name of Requesting Entity: Converteam Inc.

Address of Requesting Entity: 610 Epsilon Drive; Pittsburgh, PA 15238

Amount: \$2,000,000

Description of Request: The Integrated Power System Converter (IPSC) forms the heart of the Navy initiated Integrated Power System (IPS) concept, and this development will provide significant advantages in size, weight and cost reduction across all IPS equipment. In addition, this system will significantly simplify the insertion of advanced weapons. The IPSC consists of power electronics configured to control the performance of ship propulsion motors, ship service distribution and high power weapons or sensors. Additional funding is required in 2010 to construct and test a relevant scale prototype, thereby increasing the Technology Readiness Level that is required for insertion into a Navy Acquisition program.

I certify that this project does not have a direct and foreseeable effect on the pecuniary interests of me or my spouse.

I took extreme care to ensure that these projects are well vetted and strongly supported within the community. The Integrated Power System Converter (IPSC) appropriation is of particular interest to my district and importance.

Requesting Member: Congressman TIM MURPHY

Bill Number: H.R. 3326, the Department of Defense Appropriations Act, 2010

Account: 172 0708045A End Item Industrial Preparedness Activities

Legal Name of Requesting Entity: National Center for Defense Manufacturing and Machining (NCDMM)

Address of Requesting Entity: 1600 Technology Way; LaTrobe, PA 15650

Amount: \$2,000,000

Description of Request: NCDMM was established in 2003 to address the DoD need for manufacturing expertise to reduce overall defense program costs (initial development and sustainability costs). NCDMM identifies specific defense manufacturing operations for improvement and implements more modern technology, resulting in reduced costs, shorter lead times and/or enhanced quality of manufactured components. While working with government facilities and large defense companies, outsourcing opportunities arise which are directed to the NCDMM Manufacturing Consortium, consisting primarily of local shops in Western Pennsylvania. Funding will cover four primary core activities including: 1) support of the Manufacturing Consortium and the VOICE program, which receives no other funding; 2) supplement training programs, which benefit

local shops and the U.S. industrial base in general; 3) provide for overhead and management of the organization; and 4) remaining funding will be directed to the NCDMM annual Project Call that enables NCDMM to find new opportunities and engage with new DoD customers.

I certify that this project does not have a direct and foreseeable effect on the pecuniary interests of me or my spouse.

I took extreme care to ensure that these projects are well vetted and strongly supported within the community. The National Center for Defense Manufacturing and Machining appropriation is of particular interest to my district and importance to my constituents.

#### EARMARK DECLARATION

### HON. KEVIN MCCARTHY

OF CALIFORNIA

IN THE HOUSE OF REPRESENTATIVES

*Tuesday, July 28, 2009*

Mr. MCCARTHY of California. Madam Speaker, pursuant to the Republican Leadership guidelines on earmarks, I am submitting the following information regarding earmarks I requested that were included as part of H.R. 3326, the Department of Defense Appropriations Act, 2010.

Requesting Member: Congressman KEVIN MCCARTHY

Bill Number: H.R. 3326

Account: Research, Development, Test and Evaluation, Navy (Marine Corps)

Legal Name of Requesting Entity: California Polytechnic State University

Address of Requesting Entity: 1 Grand Avenue, San Luis Obispo, CA 93407

Description of Request: \$3.5 million was included for the California Central Coast Research Partnership to continue existing projects and undertake new projects in specific research focus areas in conjunction with Office of Naval Research priorities, including power & energy; operational environments; maritime domain awareness; information analysis and communication; Naval warrior performance and protection; survivability and self-defense; and platform mobility. This project is expected to support research for the Department of Defense, while supporting Cal Poly's science and engineering faculty and students.

Requesting Member: Congressman KEVIN MCCARTHY

Bill Number: H.R. 3326

Account: Research, Development, Test and Evaluation, Navy

Legal Name of Requesting Entity: Electronic Warfare Associates, Inc

Address of Requesting Entity: 400 West Reeves Street; Ridgecrest, California 93555

Description of Request: \$2 million is included for the Navy Advanced Threat Simulator (NATS) to develop an advanced threat simulator to support development and testing of new electronic warfare systems that will operate against the latest threat surface-to-air missile systems currently being deployed in potentially hostile areas of the world. This project is expected to result in a more robust self-defense capability for our Naval aviators, upgrade China Lake's testing and training ranges, and continue to support local jobs in Ridgecrest.

Requesting Member: Congressman KEVIN MCCARTHY