

are cooperating with key aspects of this program. Results will be shared defense-wide. This research will: (1) dramatically lower the cost of high-performance IR, (2) create a stable, domestic supply of wafers for IRFPA array fabrication at all major U.S. infrared houses, and (3) put superior technologies into the hands of the U.S. warfighter more quickly.

Requesting Member: Congressman TOM COLE.

Bill Number: H.R. 2638.

Account: RDT&E, DW.

Legal Name of Requesting Entity: Oklahoma State University, University Multispectral Laboratories.

Address of Requesting Entity: 500 West South Ave., Ponca City, OK 74601.

Description of Request: Earmark is for the University Multi-spectral Laboratory UML/National Unmanned Aerial Vehicle/Systems (UAS) Test Center Facility to be located adjacent to Fort Sill, Oklahoma.

Funds will be executed as indicated below:

1. Runways/Taxiways (70 x 1,000 feet): \$400,000.
2. New Hangar and Work Shops: \$100,000.
3. Building Improvements: \$100,000.
4. Water/electric: \$50,000.
5. Tracking Equipment: \$150,000.
6. Communications Equipment: \$100,000.
7. Site Surveillance and Security: \$100,000.
8. JTTE and RF Test Equipment: \$100,000.
9. Employee Hires (Year 1): \$1,300,000.

Requesting Member: Congressman TOM COLE.

Bill Number: H.R. 2638.

Account: Other Procurement, Army.

Legal Name of Requesting Entity: Stanley Associates.

Address of Requesting Entity: 111 SW "C" Ave., Lawton, OK 73501.

Description of Request: Earmark is for Call For Fire Trainer II/Joint Fires and Effects Trainer System. In 2007, the United States Joint Forces command rated JFETS the best simulator for training of Joint Terminal Attack Controllers (JTACs) among all of the armed services. JFETS is a leading edge, immersive, virtual reality training simulation at Ft. Sill, Oklahoma. It trains joint observers prior to deployments worldwide with particular emphasis on Afghanistan, and Iraq. The Army and Marine Corps are the most frequent users of JFETS. Joint special operations units and Air Force JTACs are determining how to integrate JFETS into their training. This immersive simulation has unsurpassed realism by incorporating photorealistic graphics, advanced audio capabilities, and multiple stimuli for the joint observer. Perhaps JFETS' greatest asset is its ability to train students to make sound decisions in a multitasked, combat-like environment. The joint observer must be able to prioritize and action numerous battlefield requirements simultaneously. The simulation is scalable in that the environment can be somewhat forgiving or it can saturate the student. Rather than the traditional, sterile observation post in which indirect fires are adjusted onto a fixed target, JFETS dynamically presents a complex situation which requires engagement of multiple moving targets and immediate tactical decision making. Joint observers with combat experience in Afghanistan and Iraq have unequivocally commended JFETS' realism and versatility. The project is scalable and accordingly funds will be expended in the following manner:

1. Salaries & Wages: \$1,715,788.
2. Materials & Supplies: \$552,010.
3. Travel: \$24,163.
4. Subcontracts: \$1,993,753.
5. Fees: \$214,286.

Requesting Member: Congressman TOM COLE.

Bill Number: H.R. 2638.

Account: Operations & Maintenance, Air Force.

Legal Name of Requesting Entity: Veracity Technology Solutions.

Address of Requesting Entity: 2701 Liberty Parkway, Suite 311, Midwest City, OK 73110.

Description of Request: Earmark is for Advanced Ultrasonic Inspection of Aging Aircraft Structures. This project will enable the Air Force to deploy advanced ultrasonic inspection techniques that may dramatically reduce (by a factor of ten) the time required to inspect aircraft for defects. In order to continue operational readiness, the Air Force has identified numerous critical depot level NDI inspections that must be conducted and monitored for continued operation. These inspections can involve the detection of material losses as small as 0.030 inches in multi-layer, tapered, metallic structures. Presently, this is a labor intensive process requiring some disassembly and visual inspection of each metallic surface. The inspection process not only removes the aircraft from service for an extended period of time which negatively impacts readiness, but also adds significantly to Air Force maintenance costs. In addition, the deployment of this ultrasonic inspection technology will provide significantly improved identification and characterization of defects. This can be accomplished with little risk, as the technology is adapted from ultrasonic array technologies and medical grade imaging techniques that have been successfully implemented in the medical industry for many years. Funds will be expended in the following manner:

(1) \$500,000 to deploy an integrated wing inspection system whose feasibility has been demonstrated through successful Small Business Innovation Research (SBIR) Phase I and II projects and;

(2) \$750,000 to support additional proof of concept projects working in tandem with the KC-135 program office. Specifically, this funding will be used for the technical personnel, facilities, and equipment required to develop and deploy this technology.

Requesting Member: Congressman TOM COLE.

Bill Number: H.R. 2638.

Account: RDT&E, Army.

Legal Name of Requesting Entity: Institute for Creative Technologies.

Address of Requesting Entity: 13274 Fiji Way, Marina Del Ray, CA 90292.

Description of Request: Earmark is for the Joint Fires & Effects Trainer System. JFETS at Fort Sill, Oklahoma, a collaborative effort between the University of Southern California Institute for Creative Technologies and the United States Army Field Artillery School, has grown to three fully functional prototype training installations since its inception in 2003. Short of combat, JFETS creates a realistic, stressful, and demanding experience for soldiers undergoing training in the synchronization of fires and effects. To date more than 5,000 soldiers have been trained in the JFETS Urban Terrain Module, the Open Terrain Module, and the Close Air Support Module.

In FY07, the Joint Close Air Support Executive Steering Committee recommended that JFETS be certified to replace CAS Type 1 and Type 2 used for maintaining Joint Terminal Attack Control currency. JFETS is scheduled to transition from a university research prototype to a deployed training system with both government and commercial support at the end of GFY08 as a Program of Record within the United States Army.

Funds will be expended as follows:

1. \$1.5 MM for ICT research on IOTA and Terrain pipeline.
2. \$0.5 MM for subcontractor.

Requesting Member: Congressman TOM COLE.

Bill Number: H.R. 2638.

Account: RDT&E, Army.

Legal Name of Requesting Entity: Core Dynamics.

Address of Requesting Entity: 2275 Research Blvd., Rockville, MD 20850.

Description of Request: Earmark is for Freeze Dried Blood Technology Clinical Research. Initial R&D has proved that red blood cells can be successfully frozen, effectively producing freeze dried blood. Initial Research indicates that they can be reconstituted with sterile water and successfully transfused. Clinical research is now required to determine if this process can be replicated in large amounts and if the resultant, reconstituted blood retains viability once introduced into the bloodstream. Research indicated to investigate methods to freeze dry blood is outlined in the 2008 RDT&E Budget for applied research PE 0602787A—Medical Technology.

All funds will be used to complete the small-scale development and initiate the Small Volume In Vivo Survival testing beginning the process for FDA Submission of the freeze dried RBC product.

#### EARMARK DECLARATION

**HON. BILL SALI**

OF IDAHO

IN THE HOUSE OF REPRESENTATIVES

Wednesday, September 24, 2008

Mr. SALI. Madam Speaker, I submit the following for the RECORD:

Requesting Member: BILL SALI.

The bill number: H.R. 2638.

The account: Army National Guard, other Procurement, Army.

The legal name of requesting entity: Idaho National Guard.

Address of Requesting Entity: 4040 W. Guard St., Bldg. 600, Gowen Field, Boise, ID 83705.

Description: Provided an appropriation of \$1 million to upgrade current AB-FIST Trainers for the Idaho National Guard. AB-FIST trainers were fielded to the Idaho National Guard during the past decade to provide crew gunnery training for M2A2 Bradley Fighting Vehicles to all units including the Idaho National Guard. Our current AB-FIST Trainers will become obsolete and not useable until they are upgraded to work with the upgraded Bradley Fighting Vehicles the Idaho National Guard will receive. Gunnery training for Bradley Crews is essential for the combat readiness of the Idaho National Guard.

Requesting Member: Congressman BILL SALI.

Bill Number: Defense Appropriations Bill, FY09 H.R. 2638.

Account: Navy, RDT&E.

Legal Name of Requesting Entity: BAE Systems.

Address of Requesting Entity: 33964 N. Main Street, Bayview, ID 83803.

Description of Request: Provide an appropriation of \$480K in FY 2009 to fund the development of a shore based Large Scale Vehicle (LSV) Operations and Data Acquisition Enhancement at the Naval Surface Warfare Center (NSWC), Acoustic Research Detachment (ARD), Bayview, ID.

Approximately, \$140K for labor and \$340K for material purchases will be required. Labor breakdown is as follows:

Management: \$8,000.

Engineering Design: \$8,000.

Material Research & Purchasing: \$4,000.

Assembly: \$120,000.

This appropriation will fund a fiber optic link from the LSV radiated noise arrays in Lake Pend Oreille to the ARD shore based data acquisition laboratory and thereby replace an inefficient floating laboratory. This enhancement will greatly improve the utilization of resources during project testing at the ARD by eliminating the need for scientists and engineers to transit to the operations range on the lake for each underway and will improve the ability to monitor LSV range ambient conditions, from the ARD, reducing the number of weather terminated operations.

Requesting Member: BILL SALI.

The bill number: H.R. 2638.

The account: RTDE,N.

The legal name of requesting entity: University of Idaho, Microelectronics Research and Communications Institute located at Buchanan Engineering Laboratory, P.O. Box 441024, Moscow, ID 83844.

The single most damaging threat to the U.S. Naval Fleet is surface and subsurface mines. As noted in a letter from the Naval Surface Warfare Center at Carderock, the Navy "is actively developing technologies to enable electric power systems to meet future mission and affordability requirements of submarine and surface ships." In order to be successful, the impact of electric power and propulsion systems on electromagnetic (EM) signatures must be understood so that ships with such systems can operate successfully against mines and detection. The \$1,600,000 in requested funds will be used to continue research and testing work with the Navy's Acoustic Research Detachment (ARD) at Bayview to generate numerical and analytical models of ELF signals in shallow and deep water environments in order to mitigate the mine threat and to naval vessels that use electric propulsion; these models will be verified experimentally at Bayview given the unique features of Lake Pend Oreille and the experimental capability of ARD. Approximately, \$488,000 is for salaries, \$105,000 for materials, supplies, computers, travel, publications, etc., \$290,000 is for overhead and \$675,000 is for subaward costs and \$42,000 for tuition and fees. This is the last year of funding for this project.

Requesting Member: Congressman BILL SALI.

Bill Number: Defense Appropriations Bill, FY09 H.R. 2638.

Account: Navy, RDT&E.

Legal Name of Requesting Entity: BAE Systems.

Address of Requesting Entity: 33964 N. Main Street, Bayview, ID 83803.

Description of Request: Provide an appropriation of \$1.5 million in FY 2009 to fund the development of a Test Support Platform for the Naval Surface Warfare Center (NSWC), Acoustic Research Detachment (ARD), Bayview, ID.

Approximately, \$500K for labor and \$1.0 million for material purchases will be required.

Labor breakdown is as follows:

Management: \$20,000.

Engineering Design: \$50,000.

Material Research & Purchasing: \$30,000.

Assembly: \$400,000.

This appropriation will be used to assemble a platform that will be used on Lake Pend Oreille in support of various projects working through the ARD. The existing ARD test support platforms are old and require significant configuration changes each time these barges are utilized for various projects. This request is intended to greatly improve the future project support that will be provided by the ARD by developing a modern test support platform configured with modern systems, acoustically isolated generators, and an effective laboratory space.

#### EARMARK DECLARATION

##### HON. KEN CALVERT

OF CALIFORNIA

IN THE HOUSE OF REPRESENTATIVES

Wednesday, September 24, 2008

Mr. CALVERT. Madam Speaker, I have received congressional appropriations in H.R. 2638, the Consolidated Security, Disaster Assistance, and Continuing Appropriations Act, FY 2009, for three projects in California's 44th Congressional District which are described as follows:

Requesting Member: Congressman KEN CALVERT.

Bill Number: H.R. 2683.

Account: Standards Development—Research, Development, Test & Evaluation, Navy.

Legal Name of Requesting Entity: Naval Surface Warfare Center, Corona Division.

Address of Requesting Entity: Naval Surface Warfare Center Corona Division, 2300 Fifth St., Norco, CA.

Description of Request: The stated project has received a congressional appropriation in the amount of \$2,800,000. The appropriation is for a project which would continue work in the areas of Primary and Depot Maintenance calibration standards. Specifically the work will be done in the technology areas of Nuclear, Biological and Chemical (NBC), electro-optics, and physical-mechanical. The purpose of the work is to ensure measurement accuracy in support and maintenance of new advanced technology weapon systems, current weapon systems and associated support equipment. Specifically, the funding also continues efforts of calibration standards (hardware) in support of Nanoscale Dimensional Standards using Atomic Force Microscopy (AFM). Standards developed through this ongoing program provide continued measurement support and capability to ensure that our Nation's advanced weapon systems operate as designed and detectors accurately recognize threats.

Requesting Member: Congressman KEN CALVERT.

Bill Number: H.R. 2683.

Account: Defense Wide—Research, Development, Test & Evaluation.

Legal Name of Requesting Entity: Center for Nanoscale Science and Engineering, University of California, Riverside.

Address of Requesting Entity: 900 University Avenue, Riverside, CA.

Description of Request: The stated project has received a congressional appropriation in the amount of \$2,400,000. This project aims to take advantage of recent advances in nanomaterials and nanodevices to begin to address the issue necessary to take the electronics industry beyond the two-dimensional silicon based devices and wiring and to develop high density, 3D electronics technology together with associated packaging, portable power sources and heat dissipation solutions. UC Riverside has substantial expertise in the development of nanomaterials that offer extraordinary properties when properly engineered for these applications. The proposed effort will fund technology development studies in the following five areas: 3D integration of RF and Digital technologies; materials development for thermal management; materials development for 3D wiring; materials development for multi-technology isolation; and development of process equipment for advanced 3D processes and materials manufacturing. The availability of new approaches to very high density electronics and compact power sources that are built from the new generation of nanomaterials will greatly aid the DoD mission in providing advanced electronics and power in the battlefield.

Requesting Member: Congressman KEN CALVERT.

Bill Number: H.R. 2683.

Account: Defense Wide—Operations & Maintenance.

Legal Name of Requesting Entity: March Joint Powers Authority.

Address of Requesting Entity: 23555 Meyer Drive, Riverside, CA.

Description of Request: The stated project has received a congressional appropriation in the amount of \$1,200,000 for the purpose of demolishing existing structures on the northeast corner of the former March Air Force Base. The demolition of the buildings is necessary due to structural deficiencies, ADA compliance or prohibitive cost to meet modernization and current building code requirements.

#### EARMARK DECLARATION

##### HON. JOHN ABNEY CULBERSON

OF TEXAS

IN THE HOUSE OF REPRESENTATIVES

Wednesday, September 24, 2008

Mr. CULBERSON. Madam Speaker, pursuant to the Republican Leadership standards on earmarks, I am submitting the following information regarding earmarks I received as part of Bill Number: H.R. 2638—The Consolidated Security, Disaster Assistance, and Continuing Appropriations Act, 2009.

Requesting Member: Congressman JOHN CULBERSON.

Bill Number: H.R. 2638—The Consolidated Security, Disaster Assistance, and Continuing Appropriations Act, 2009.

Account: U.S. Army, Research, Development, Test and Evaluation account, Medical