

Requesting Member: Congressman CHARLES W. DENT.

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

Account: Research, Development, Test and Evaluation (RDTE), Navy.

Legal Name of Requesting Entity: Curtiss-Wright Corporation, Engineered Pump Division.

Address of Requesting Entity: 222 Cameron Drive, Suite 200, Phillipsburg, NJ 08865.

Description of Request: \$1,000,000 for the Landing Craft Composite Lift Fan project which will support design, development and domestic manufacture of prototype composite material lift fans for application on current and next generation Navy landing craft vessels. This initiative addresses a persistent problem the Navy has been having with current generation metal lift fans, which are now replaced on average about every 2–4 months due to corrosion, wear and tear. Utilization of this composite material technology in current and future generation landing craft lift fans would result in maintenance savings and will increase the ship availability, critical in an ever-decreasing fleet budget.

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Account: Research, Development, Test and Evaluation (RDTE), Army.

Legal Name of Requesting Entity: Neuromonics, Inc.

Address of Requesting Entity: 2810 Emrick Boulevard, Bethlehem, PA 18020.

Description of Request: \$1,000,000 is included to support the Chronic Tinnitus Treatment Program, a breakthrough tinnitus treatment device (patented, FDA-cleared, and non-military clinically-tested) and program that is designed to interact, interrupt, and desensitize tinnitus disturbance for long-term benefit, especially in those suffering with chronic and severe tinnitus. The treatment program combines the use of acoustic stimulation with a structured program of counseling. The Army reports that tinnitus is among the top medical complaints of soldiers returning from OIF/OEF, particularly given the high incidence of Traumatic Brain Injury/mild Traumatic Brain Injury (TBI/mTBI). Until recently, no effective treatment program has existed to help individuals suffering with the effects of tinnitus. This funding will allow military researchers to implement the chronic tinnitus treatment program and develop important baseline data to determine the effectiveness, usefulness, and long-term benefit of the program for military servicemembers suffering with tinnitus.

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Account: Research, Development, Test and Evaluation (RDTE), Army.

Legal Name of Requesting Entity: International Battery, Inc.

Address of Requesting Entity: 6845 Snowdrift Road, Allentown, PA 18106.

Description of Request: \$2,400,000 is included for the Lithium Ion Battery Exchange Program to demonstrate the increased capability of the Lithium Ion 6TLi Battery as op-

posed to the current lead acid battery in the Army Theater of Operation. The 6TLi Battery Exchange Program will provide added capability of four times the energy, half the weight, a significantly longer life and enhanced combat readiness as compared to the current lead acid battery. The 6TLi battery has been engineered to the same dimensions of the current lead acid battery, allowing soldiers in the field to perform seamless exchanges. Additionally, the battery provides no hazardous material such as lead or acid, which limits major disposal charges.

#### HONORING THE 125TH ANNIVERSARY OF THE CHABOT SPACE AND SCIENCE CENTER

#### HON. BARBARA LEE

OF CALIFORNIA

IN THE HOUSE OF REPRESENTATIVES

*Wednesday, September 24, 2008*

Ms. LEE. Madam Speaker, I rise today to honor the extraordinary history of the Chabot Space and Science Center as it celebrates 125 years of serving our community and literally expanding our understanding of the universe.

In 1883 the Oakland Observatory was founded through a gift from the prestigious Mr. Anthony Chabot to the City of Oakland. Originally located in downtown Oakland, the observatory provided a public telescope to the community and served as the official timekeeping station for the entire Bay Area for decades. Anthony Chabot, a prominent businessman throughout the Greater Bay Area, died only five years after the creation of the observatory, however in that short time the observatory had already become an integral part of the community. Due to its increased use and immense popularity, the observatory has consistently grown and improved throughout the past century.

In 1915 the observatory was moved to the Oakland Hills, and in the mid-1960s the facility was considerably expanded with the addition of a 90-seat planetarium, laboratories, classrooms, workshops, an exhibit room, and a library. By this time, it had been renamed as the Chabot Science Center. Until 1977, the science center was staffed mainly by the dedicated personnel and volunteers of the Oakland Unified School District and visited frequently by public school students. Unfortunately, this ended when seismic safety concerns terminated access to the original observatory facility.

Eager to reinstate the educational opportunities such a facility would bring the young people of the Bay Area, the Chabot Observatory and Science Center (COSC) was formed in 1989 as a Joint Powers Agency with the City of Oakland, the Oakland Unified School District, and the East Bay Regional Park District. Guided by the Eastbay Astronomical Society, this collaboration has exemplified the energy and contributions of this remarkable non-profit organization which has facilitated the renewal and revitalization of the center in the last two decades. The fruit of many years of dedicated leadership from several community groups, individuals, and local elected officials, construction of the new Science Center began in May, 1998.

The Chabot Observatory and Science Center became the Chabot Space and Science

Center in 2000—a name which better conveyed the organization's focus on astronomy and the space sciences, while communicating both the broad range and the technologically advanced nature of programs available in the new Science Center. On August 19, 2000 the new 86,000-square-foot, state-of-the-art science and technology education facility on a 13-acre site opened to the public.

On September 13, 2008 the Chabot Space and Science Center celebrated its 125 year anniversary. The legacy, promising future, and unique character of the Chabot Space and Science Center stands as an accomplishment for our entire community. On behalf of the residents of California's 9th Congressional District, I am pleased to applaud the tireless volunteers, staff, and relentless supporters of this indispensable asset to our community. Most of all, I would like to congratulate the residents of the Greater East Bay for their participation in making the 9th Congressional District one of the most diverse, active, and enlightened areas in the nation. May the Chabot Space and Science Center continue to enrich the lives of our people for many generations to come.

#### EARMARK DECLARATION

#### HON. TOM COLE

OF OKLAHOMA

IN THE HOUSE OF REPRESENTATIVES

*Wednesday, September 24, 2008*

Mr. COLE of Oklahoma. Madam Speaker, pursuant to the Republican Leadership standards on earmarks, I am submitting the following information for publication in the CONGRESSIONAL RECORD regarding earmarks I received as part of H.R. 2638, The Consolidated Security, Disaster Assistance, and Continuing Appropriations Act, 2009:

Requesting Member: Congressman TOM COLE.

Bill Number: H.R. 2638.

Account: RDT&E.

Legal Name of Requesting Entity: "Ametyst Research Inc."

Address of Requesting Entity: 2610 Sam Noble Parkway, Ardmore, OK 73401.

Description of Request: An earmark of \$2,500,000 for advanced infrared systems development. Specifically, \$1,748,250 is for research, development, testing and evaluation; \$614,250 is for research equipment lease, and \$137,500 is for building lease. This project has the support of key officials within the Department of Defense and within the U.S. suppliers of key defense-related technologies to the U.S. Government. This request is consistent with the intended and authorized purpose of the ONR, RDTE, N account. While not required to do so, the State of Oklahoma and the host community City of Ardmore have committed non-federal dollars toward this national priority. The return on investment to DoD for enhanced research funding is significant. ARI's research is projected to reduce by a factor of five the DoD cost for high performance IRFPAs. ARI's defect characterization technology alone is estimated to result in \$5,000,000 of DoD savings over five years and \$100,000,000 over 10 years. Infrared Materials Laboratories are overcoming the technical/financial barriers preventing use of less expensive silicon substrates for high performance IRFPAs. All major U.S. infrared houses

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. JFTE 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.