

for the proposed project will help advance the development of novel techniques for enhancing vaccine efficacy to promote Force Readiness and general health of the members of the Armed Services and their dependents.

Requesting Member: JOHN M. MCHUGH

Bill Number: H.R. 3326

Account: Research and Development, Army

Legal Name of Requesting Entity: Syracuse Research Corporation

Address of Requesting Entity: 7502 Round Pond Road, North Syracuse, NY 13212

Provide an earmark of \$2,000,000 for the Foliage Penetrating, Reconnaissance, Surveillance, Tracking, and Engagement Radar (FORESTER). U.S. Forces currently have no radar capability to detect and track activity under foliage. FORESTER is an airborne sensor system that provides standoff and persistent wide-area surveillance of dismounted troops and vehicles moving through foliage. The Phase II funding will help transition FORESTER to the User community, and apply the technology to additional platforms and U.S. border security applications, providing U.S. forces a critical new capability to detect and track activity under foliage.

Requesting Member: JOHN M. MCHUGH

Bill Number: H.R. 3326

Account: Research and Development, Army

Legal Name of Requesting Entity: Welch Allyn, Inc.

Address of Requesting Entity: 4341 State Street Road, Skaneateles Falls, New York 13152

Provide an earmark of \$1,000,000 for the Personal Status Monitor (Nightengale). Welch Allyn is actively working on a project to monitor the health status of a soldier, remotely communicating the data to obtain the most appropriate level of care in a forward combat environment, which is essential for medical and military strategic decision-making. The Research and Development funding for this project will allow Welch Allyn to further develop its smart sensing technologies. These technologies provide on-body sensing of physiologic parameters that can be relayed to a remote server by means of a series of wireless relay devices for notification in the case of a critical or life threatening event. Specifically, the technology consists of wearable sensors with RF communication to observation stations, doctor's offices, electronic patient records, and hospital information systems, providing anywhere, anytime access to real-time or archived patient information. Applications include deployment on individuals or groups of individuals who are subject to catastrophic physiologic events such as military personnel, public safety personnel and those with cardiovascular disease.

EARMARK DECLARATION

HON. PETE OLSON

OF TEXAS

IN THE HOUSE OF REPRESENTATIVES

Tuesday, July 28, 2009

Mr. OLSON. Madam Speaker, to provide open disclosure pursuant to Republican standards on congressionally-directed funding, I am submitting the following information regarding funding that I support included in H.R. 3326, the Department of Defense Appropriations Act, 2010.

Requesting Member: Congressman PETE OLSON

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

Account: Other Procurement, Air Force

Name of Recipient: Texas Air National Guard

Address of Recipient: 147th Fighter Wing at Ellington Joint Reserve Base, Houston, TX 77034

Description of Request: \$2,000,000 in funding for the One Air Force/One Network Infrastructure. The funding would be used to upgrade the Air National Guard's core infrastructure of wired and wireless networks to the Air Force standard architecture. The resulting capability will significantly increase the readiness and agility of the Texas Air National Guard mission by ensuring network compatibility and interoperability across Air Guard, Air Reserve, and AF Active Duty bases.

Requesting Member: Congressman PETE OLSON

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

Account: Research, Development, Test and Evaluation, Army

Name of Recipient: University of Texas Medical Branch at Galveston

Address of Recipient: 301 University Boulevard, Galveston, TX 77555

Description of Request: \$5,000,000 in funding for the National Biodefense Training Center. The funding would be used to train staff working within containment facilities across the nation. There is a major need for a systematic approach to biological safety level -3 and -4 (BSL-3, BSL-4) containment training to prepare personnel in the safe and secure handling of infectious pathogens.

EARMARK DECLARATION

HON. CATHY McMORRIS RODGERS

OF WASHINGTON

IN THE HOUSE OF REPRESENTATIVES

Tuesday, July 28, 2009

Mrs. McMORRIS RODGERS. Madam Speaker, pursuant to the House Republican standards on earmarks, I am submitting the following information regarding earmarks I received as part of H.R. 3326, FY2010 Department of Defense Appropriations Act

Requesting Member: Congresswoman McMORRIS RODGERS

Bill Number: H.R. 3326

Account: RDTE, A

Legal Name of Requesting Entity: Washington State University

Address of Requesting Entity: French Administration Building, Room 324; Pullman, WA; 99164

Description of Request: Provide \$2,000,000 to develop epigenetic biomarkers for disease in military personnel. Washington State University and the U.S. Army are focusing on the war fighter's exposure to environmental compounds utilized by the military and/or toxic materials found in war zones. The Medical Technology program element within the Department of Defense budget funds applied research required to sustain a force of healthy, medically-protected war fighters to enhance their performance in training and occupational environments.

Requesting Member: Congresswoman McMORRIS RODGERS

Bill Number: H.R. 3326

Account: RDTE, A

Legal Name of Requesting Entity: Washington State University

Address of Requesting Entity: French Administration Building, Room 324; Pullman, WA; 99164

Description of Request: Provide \$1,500,000 for the Positron Capture and Storage project. Anti-matter positrons can be utilized in applications such as medical diagnostics (Positron Emission Tomography), defect characterization in materials, and fundamental physics research. When positrons en masse are squeezed into a single trap, the repulsion forces quickly become impossible to control. To overcome this, they will stretch a first generation trap into a tube of theoretically infinite length. The metal-coated tube walls will shield the low-density positron plasmas in each tube, thereby lowering the repulsive forces by 10,000-fold. An overall density will be achieved by miniaturization to micrometer scale. The research will benefit the U.S. Army by permitting advanced applications research into using positron energy for low earth orbit space platforms and other high altitude vehicles.

Requesting Member: Congresswoman McMORRIS RODGERS

Bill Number: H.R. 3326

Account: RDTE, A

Legal Name of Requesting Entity: University of Washington

Address of Requesting Entity: 301 Gerberding Hall; Seattle, WA; 98195

Description of Request: Provide \$5,800,000 for the Institute for Simulation and Interprofessional Studies project. This project enables the use of simulation technologies to improve the quality of health care education and improve patient safety. This project has a regional and Department of Defense mission. This program includes more than 6,000 active clinical faculty physicians. It will work with the Madigan Army Medical Center and the VA to demonstrate how healthcare skills training can be distributed throughout an entire region. This project will develop programs for training the global health professional workforce and leveraging these tools for the assessment and treatment of Traumatic Brain Injury and Post Traumatic Stress Disorder found in returning service personnel.

EARMARK DECLARATION

HON. CHRISTOPHER JOHN LEE

OF NEW YORK

IN THE HOUSE OF REPRESENTATIVES

Tuesday, July 28, 2009

Mr. LEE of New York. Madam Speaker, pursuant to the Republican Leadership standards on earmarks, I am submitting the following information regarding earmarks I received as part of the FY Defense Appropriations bill.

Requesting Member: Congressman CHRISTOPHER LEE (NY-26)

Bill Number: H.R. 3326

Account: Other Procurement, Air Force—028 Combat Training Ranges

Legal Name of Requesting Entity: Northrop Grumman Amherst Systems

Address of Requesting Entity: 1740 Wehrle Drive, Buffalo, NY 14221

Description of Request: Provide an earmark of \$1,000,000 for the Air National Guard

(ANG) Joint Threat Emitter (JTE) Savannah Combat Readiness Training Centers (CRTC)

The Joint Threat Emitter (JTE) system simulates electronic combat signals and is designed to provide realistic electronic warfare training for pilots and aircrew members. The Joint Threat Emitter will replace several older, harder-to-sustain and cost prohibitive threat emitters, and is specifically designed to allow for spiral development upgrades to ensure future threats are quickly integrated into its design.

The JTE has the capability to generate six modern threats from one platform and replaces more expensive, single-threat-per-platform units, which are more costly to support and do not have the flexibility to generate modern combat environments. The JTE capabilities, including the highly lethal double digital threats, add an essential element to ANG combat training ranges. The Savannah CRTC and Townsend Range Complex currently provides inadequate pilot training for real-world missions and pilots must train far from their home bases, which is more expensive and requires considerable transit time thereby reducing the time allocated for actual training. Modernization efforts are underway; however FY10 JTE funding is inadequate to procure the stated need of two (2) JTE systems at the Townsend Range Complex.

Requesting Member: Congressman CHRISTOPHER LEE (NY-26)

Bill Number: H.R. 3326

Account: Other Procurement, Navy—038 Submarine Acoustic Warfare System
Legal Name of Requesting Entity: Hydroacoustics, Inc.

Address of Requesting Entity: 999 Lehigh Station Road, Henrietta, NY 14467

Description of Request: Provide an earmark of \$2,000,000 for the Hydroacoustic Low Frequency (HLF) Sources for Trident and Virginia Class Submarines.

This project will accelerate deployment of acoustic signature protection to Trident and Virginia class submarines operating in the Atlantic. Additionally, it will help maintain the industrial capacity to design and build low frequency acoustic sources since HAI is the sole manufacturer of HLF systems in the United States. This project will fill a critical funding gap while the Navy programs funds to sustain HLF-1 procurement.

Requesting Member: Congressman CHRISTOPHER LEE (NY-26)

Bill Number: H.R. 3326

Account: Procurement, Marine Corps—010 Modification Kits
Legal Name of Requesting Entity: Carleton Technologies, Inc.

Address of Requesting Entity: 10 Cobham Drive, Orchard Park, NY 14127

Description of Request: Provide an earmark of \$1,000,000 for the Microclimate Cooling Unit (MCU) for M1 Abrams Tank.

The M1 Abrams tank was designed to combat the former Soviet Union on the fields of Europe and as such it does not have an air conditioning system. With the War on Terror taking place not in Europe, but in the extreme climate of the Middle East, tank crews have had to not only combat the enemy, but also the effects of thermal stress and heat stroke. Ambient temperatures of 125 degrees Fahrenheit can yield temperatures inside the tank approaching 150 degrees Fahrenheit

A vehicle-mounted air conditioning system has had minimal impact because body armor

and other field gear the soldiers are wearing prevent the body from being cooled. Likewise, any benefits of an air conditioning system are lost when the tank operates with its hatches open and crew exposed, as is most often the case in Iraq. The M1A1 version of the tank has no crew cooling system currently outfitted.

Use of the MCU will significantly reduce soldier thermal heat stress, greatly improve soldier alertness and performance, and reduce resultant soldier injuries and casualties. Currently soldiers have no way to cool core body temperatures in the heat of Afghanistan and Iraq operations. Some soldiers have resorted to using IV fluids in an attempt to cool core body temperatures. Use of the MCU will significantly reduce soldier thermal heat stress, greatly improve soldier alertness and performance, and reduce resultant soldier injuries and casualties. An Army medical study has demonstrated a soldier work time increase on helicopters from approx 1.0 hours without cooling to in excess of 5 hours with MCU. Similar results are found on tactical and combat vehicles.

Requesting Member: Congressman CHRISTOPHER LEE (NY-26)

Bill Number: H.R. 3326

Account: Research, Development, Test and Evaluation, Army—30 0603002A Medical Advanced Technology

Legal Name of Requesting Entity: Roswell Park Cancer Institute

Address of Requesting Entity: Elm & Carlton Streets, Buffalo, NY 14263

Description of Request: Provide an earmark of \$2,500,000 for the Advanced Cancer Genome Institute at Roswell Park Cancer Institute

Roswell Park Cancer Institute is seeking to develop an Advanced Cancer Genome Institute: a world-class program for the early detection, prognosis and treatment of cancer and other diseases through the establishment and use of cutting-edge genomics instruments and techniques that identify new cancer-related genes and that develop new anti-cancer drugs. Through an affiliation with the National Functional Genomics Consortium (NFGC), which fosters high-level collaborations in cancer genomics and proteomics, the research will benefit cancer sufferers throughout the U.S.

The advanced genomics program at Roswell Park can provide expertise and training in the use of genomics and rapid drug development technologies for investigators from the Department of Defense and other government agencies focused on emergency health threats. In the event of emergency health threats such as pandemic or a bioterrorism attack the facilities can be adapted rapidly to help identify pathogenic agents and to develop therapeutic agents. The techniques developed by researchers to identify a gene signature and personalized treatment will be useful in addressing health threats which affect our troops and the public at large.

Requesting Member: Congressman CHRISTOPHER LEE (NY-26)

Bill Number: H.R. 3326

Account: Defense Health Program—02 RDT&E Defense Health Program

Legal Name of Requesting Entity: Daemen College

Address of Requesting Entity: 4380 Main Street, Amherst, NY 14226

Description of Request: Provide an earmark of \$1,000,000 for Advanced Military Wound Healing Research and Treatment.

Applied research into acute and chronic wounds that will: Optimize wound recovery and outcomes; Develop an assay to predict wound healing; Develop an assay to predict scar formation; Integrate the new technology (assay) into treatment strategies; Develop composite wound applications to enhance wound closure.

Improving the healing of patients with acute and chronic wounds will decrease depression, increase function and independence, save limbs, and ultimately save lives. The new technologies we aim to develop can be readily adapted into military medical situations, would be suitable for military deployment in a military setting, and efficacious for use in civilian hospitals or other healthcare settings.

Requesting Member: Congressman CHRISTOPHER LEE (NY-26)

Bill Number: H.R. 3326

Account: Research, Development, Test and Evaluation, Air Force—2 0601103F University Research Initiatives

Legal Name of Requesting Entity: University at Buffalo

Address of Requesting Entity: 501 Capen Hall, Buffalo, NY 14260

Description of Request: Provide an earmark of \$1,000,000 for the UB Energy and Sensor Informatics Research and Translation Facility.

Increase research that will focus on energy informatics. This effort will include energy collection and storage research, nanostructured sensor materials and devices, and informatics associated with efficient and accurate use of the developed technologies. The acquired instruments will be applicable to: (i) chemical and biological sensors for health informatics, (ii) biometrics devices for identification and homeland security, (iii) semiconductor-based photovoltaic devices (solar cells) for energy collection, (iv) nanostructured energy storage devices (batteries), and (v) thermoelectric energy collectors. The facility will enable the development of new devices for homeland security, information technology, and health sciences.

Requesting Member: Congressman CHRISTOPHER LEE (NY-26)

Bill Number: H.R. 3326

Account: Research, Development, Test and Evaluation, Air Force—34 0603260F Intelligence Advanced Development

Legal Name of Requesting Entity: Janya Inc.

Address of Requesting Entity: 1408 Sweet Home Road, Amherst, NY 14228

Description of Request: Provide an earmark of \$1,000,000 for the Multilingual Text Mining Platform for Intelligence Analysts.

Extending the capabilities of Semantex, a text mining platform, to languages of great interest to DoD customers (Arabic, Urdu and Farsi). Semantex is a software platform for extracting useful information from unstructured text, such as open source news, email, social media (blogs, chat etc.) as well as message traffic.

The developed platform will support DoD intelligence applications where the current technology is insufficient, providing valuable multilingual multi-source intelligence to analysts and front-line warfighters in both tactical and strategic situations, increasing their effective bandwidth when processing intelligence information.

Requesting Member: Congressman CHRISTOPHER LEE (NY-26)

Bill Number: H.R. 3326

Account: Research, Development, Test and Evaluation, Defense-Wide—40 OSD 0603711D8Z Joint Robotics Program/Autonomous Systems

Legal Name of Requesting Entity: Lithos Robotics Corporation

Address of Requesting Entity: 4246 Ridge Lea Road, Suite 61, Amherst, NY 14226

Description of Request: Provide an earmark of \$1,000,000 for Autonomous Control and Video Sensing for Robots.

Integrate digital radio and autonomous vehicle control system with proven Video Motion Detection for continuous visual sensing to provide surveillance and response via access to denied areas in a variety of complex situations, including EOD, expeditionary force protection in battlefields and highly flexible SOCOM needs. The system will be rugged and easy to use so it can be sent into chaotic zones to conduct surveillance, ID threats, and possibly manipulate devices for threat reduction in manual, semi-autonomous, and fully autonomous modes.

The project will result in a persistent surveillance module integrated with a digital radio system, and with a control system for unmanned ground robots. The system can be used by DoD for: 1. Standalone surveillance, force protection, and EOD; 2. Mobile, autonomous or semi-autonomous surveillance and/or force protection, and EOD

Requesting Member: Congressman CHRISTOPHER LEE (NY-26)

Bill Number: H.R. 3326

Account: Research, Development, Test and Evaluation, Navy—50 0603609N Conventional Munitions

Legal Name of Requesting Entity: Veritay Technology, Inc.

Address of Requesting Entity: 4845 Millersport Highway, PO Box 305, East Amherst, NY 14051

Description of Request: Provide an earmark of \$1,000,000 for Improved Kinetic Energy Cargo Round (I-KEET).

The Improved KEET (kinetic energy, electronically timed) round project—initially funded through a Navy SBIR award and then enhanced by a Commercialization Pilot Program grant—accelerates development of a kinetic energy round and provides a non-explosive, lethal mechanism for projectiles. By using the internal propulsion mechanism found in the round to augment the kinetic energy imparted to the projectile by the gun found aboard Arleigh Burke-class destroyers, I-KEET ejects an even larger payload mass (19 lbs vice 17 lbs) in the forward direction at +760 ft/sec relative to the projectile, thereby doubling the kinetic energy and increasing the overall payload kinetic energy by 130% compared to the current round which ejects the payload from the rear. An increased dispersion technique provides a uniform dispersion pattern which increases the lethal area 2.2 times greater than the existing MK 182 round therefore the I-KEET round provides significantly improved surface ship defense against small, fast moving attack boats.

The USS *Cole* attack, hijackings of civilian ships by pirates and last year's incident where five armed Iranian patrol boats harassed three Navy warships in the Strait of Hormuz, point to the fact that a primary asymmetric challenge to surface combatants operating in a littoral environment are attacks by small, fast boats.

These emerging littoral threats have refocused Navy priorities for providing global assured access and maritime dominance in shallow water and coastal areas. This, in turn, has led to requirements for technologies to counter the threat, including munitions that fit existing weapons delivery systems that provide greater lethality through payload and dispersion patterns as well as being safer to store and transport aboard ship.

I-KEET will (1) Provide greater lethality through payload and dispersion patterns than the current Mk-182 round; (2) Use kinetic energy—not high explosives—to deliver the payload thereby making the rounds considerably safer to store and transport; (3) Fit existing gun systems so no costly delivery system modifications are needed; and (4) Provide better protection against small, fast, hard to target and disable, swarm boat attacks.

Requesting Member: Congressman CHRISTOPHER LEE (NY-26)

Bill Number: H.R. 3326

Account: Research, Development, Test and Evaluation, Navy—27 0603216N Aviation Survivability

Legal Name of Requesting Entity: Calspan Corporation

Address of Requesting Entity: 4455 Genesee Street, Buffalo, NY 14225

Description of Request: Provide an earmark of \$1,000,000 for Military Upset Recovery Training.

This program provides a critical training function; heretofore missing from military pilot training curricula. Data from other related research indicates that even military trained pilots, currently the best trained and most experienced in this regime of flight, are unable to consistently recover from loss of control events, an unanticipated, un-commanded aircraft maneuver that left unchecked leads to a out of control situation and potential accident without this type of specialized training. It is important to note that the current track systems (fighter/other) that both the Navy and Air Force have transitioned, streamlines the curriculum, condenses and focuses the flying training based on the type of aircraft the pilot will fly operationally, but reduces and eliminates much of the advanced handling and aerobatic maneuvers that all military pilots were required to be proficient in. Since the separate track system was implemented about 15 years ago, the current generation of medium and large military aircraft pilots has not been trained in these scenarios.

Realistic training for the very dynamic and disorienting events that lead to loss of control accidents cannot be trained in currently fielded aircraft simulators because these devices do not reproduce the critical accelerations and disorienting motions of the actual events. Training done in high performance aerobatic jet training aircraft, while helpful, does not duplicate the skill sets needed to recover a large aircraft and, in some cases, may transfer the wrong impression possibly resulting in a negative transfer-of-training effect that has been shown in itself to be dangerous. Furthermore, current flight training regimes do not address the critical training element not only how to recover from an extreme condition but, how to do so with inoperative controls due to system failure or battle damage. This training is geared towards military pilots operating a wide variety of transport, utility, and patrol aircraft. An important aspect of the upset maneuvers

used in training is applicability beyond the specific events trained. The broader purpose of this training activity is to teach pilots how to evaluate a never-before-seen situation and maneuver a large transport airplane back to a safe and stable condition. In the end, the goal is to combine expanded situational awareness, knowledge, and judgment with the requisite stick and rudder skill-sets to successfully master the many flying challenges faced over a career of military operational flying.

Continuation of this development effort with operational testing and further analysis of an In-Flight Simulation based training program will support advance of training critical piloting skills in the regime of upset recovery. The initial funding has allowed the In-Flight Simulator will be programmed to exhibit representative characteristics to include relatively heavy control forces and sluggish response so as to illustrate the inherent difficulty in recovering from Jet Upsets in this class of aircraft and to conduct initial evaluations to measure pilot performance and recovery quality. Follow on funding will be used to conduct further development and testing to ensure a program will be effective when implemented into primary test and training regimes.

Requesting Member: Congressman CHRISTOPHER LEE (NY-26)

Bill Number: H.R. 3326

Account: Research, Development, Test and Evaluation, Navy—15 0603114N Power Projection Advanced Technology

Legal Name of Requesting Entity: Moog, Inc.

Address of Requesting Entity: Seneca and Jamison Roads, East Aurora, NY 14052

Description of Request: Provide an earmark of \$2,000,000 for the Quiet Drive Advanced Rotary Actuator.

Moog will develop an advanced actuation system, a quiet, compact electro-mechanical device, using a hypocycloidal gear train that would be an enabling technology for the U.S. Navy, Future Naval Capabilities (FNC) These actuators will provide the Navy with a performance improvement and lifecycle cost advantage compared to today's hydraulic rotary actuator in its efforts to develop the all-electric ship and submarines. These systems will automate many systems, thus keeping sailors out of harm's way. The immediate naval application will be used on submarines (such as bow planes and other structures employing actuator technology). Actuators convert energy from hydraulic, air, or electric power to achieve mechanical movement and control of heavy or remote devices. Current Navy ships have between 100 to 3,000 actuators each. At present, these actuators typically use old style hydraulic technology. Successful completion of the technology will reduce shipboard personnel and reduce repair and maintenance costs. The Department of the Navy has repeatedly stated its desire for an all electric ship. Environmental hazards associated with hydraulic systems will also be eliminated by moving to an electric actuator. Under prior funding, there has been constructed an electric motor which is currently being evaluated. The present design does not meet the strict acoustic requirements of the U.S. Navy. The company, using internal funding, will analyze the prototype, correcting these and other technical issues. Computer models are now being constructed to aid in the analysis and physical

models will be built to verify the analytical conclusions. Alternate design concepts will be developed and analyzed with the best proposed as the system solution.

The military service need is well documented. In the 2007 Symposium conducted by American Society Naval Engineers/Department of Defense, the Office of Naval Research conducted a panel presentation on the need for the quiet drive technology as applied to Diagnostics and Maintenance in the all electric ship. Over the past 5 years, ONR has repeatedly stated that these actuators would provide the Navy with a performance improvement and lifecycle cost advantage compared to today's hydraulic rotary actuator in its efforts to develop the all-electric ship. Army's TARDEC also supports the work because the results will be able to be used for Advanced Electric Drives configurable to axle and wheel-end applications providing greater drive capabilities and high intelligence capabilities (current immediate use includes HUMVEEs and trucks). Existing military axle and wheel-end systems fail to provide adequate measurement and data retrieval that are needed to increase engine efficiency and torque while preventing breakdown or catastrophic event.

EARMARK DECLARATION

HON. ANDER CRENSHAW

OF FLORIDA

IN THE HOUSE OF REPRESENTATIVES

Tuesday, July 28, 2009

Mr. CRENSHAW. Madam Speaker, I submit documentation consistent with the Republican Earmark Standards.

Requesting Member: Congressman ANDER CRENSHAW

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

Account: RDTE, N

Legal Name of Receiving Entity: Orion Solutions, LLC

Address of Receiving Entity: 7545 Centurion Parkway, Suite 403, Jacksonville, FL 32256

Description of Request: I have secured \$2,000,000 in funding in H.R. 3326 in the RDTE, N Account for the Low Frequency Active Towed Sonar System (LFATS) Organic ASW Capability.

The purpose of this funding would be used to support the purchase of a Low Frequency Active Towed Sonar System (LFATS) to complete demonstration of critical Anti-Submarine Warfare (ASW) advancements and improvements.

This is a valuable use of taxpayer funds because the Chief of Naval Operations (CNO) has stated that Anti-Submarine Warfare (ASW) is his number one priority. ASW is critical to defend the sea base and assure access to and within the littorals in the face of the proliferation of quiet, technologically advanced submarines in the hands of nations that might choose to deny us freedom of the seas. This program provides the potential for key advancements in the area of ASW and works towards the CNO's highest priority.

There are no matching funds required for this project.

Requesting Member: Congressman ANDER CRENSHAW

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

Account: RDTE, N

Legal Name of Receiving Entity: Goodrich Engineered Polymer Products

Address of Receiving Entity: 6061 Goodrich Boulevard, Jacksonville, FL 32226

Description of Request: I have secured \$2,000,000 in funding in H.R. 3326 in the RDTE, N Account for the Advanced Manufacturing for Submarine Bow Domes and Rubber Boots project.

The purpose of this funding would be used to develop an out-of-autoclave (OOA) material systems and processing techniques to fabricate a submarine sonar bow dome and the associated rubber boot without the need for an autoclave.

This is a valuable use of taxpayer funds because developing advanced manufacturing techniques for submarine bow domes and boots provides a new opportunity to further drive down the cost of submarine construction. An approved out of autoclave material system will provide greater manufacturing flexibility while maintaining stringent reliability and quality requirements. Additionally, removal of the autoclave from the manufacturing process allows the fabrication of domes and rubber boots for larger submarines like the replacement SSBN.

There are no matching funds required for this project.

Requesting Member: Congressman ANDER CRENSHAW

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

Account: RDTE, N

Legal Name of Receiving Entity: OTO Melara North America, Inc.

Address of Receiving Entity: 1625 I St. NW., Washington, DC 20006

Description of Request: I have secured \$2,000,000 in funding in H.R. 3326 in the RDTE, N Account for the 76mm Swambuster Capability project.

The purpose of this funding would be to integrate the highly accurate fire control information from the MK 15 Close-In Weapons Systems with the high rate of fire, medium caliber, 76mm gun on FFG-7 class ships to provide FFG-7 class ships with protection against high-speed maneuvering surface threat.

This is a valuable use of taxpayer funds because it would be used to integrate the highly accurate fire control information from the MK 15 Close-In Weapons Systems with the high rate of fire, medium caliber, 76mm gun on FFG-7 class ships to provide FFG-7 class and possibly other Navy ships with a protection against high-speed maneuvering surface threat.

There are no matching funds required for this project.

Requesting Member: Congressman ANDER CRENSHAW

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

Account: RDTE, DW

Legal Name of Receiving Entity: L-3 Communications

Address of Receiving Entity: 13000 Route 73, Marlton, NJ 08053

Description of Request: I have secured \$1,000,000 in funding in H.R. 3326 in the RDTE, DW Account for the Low Cost Stabilized Turret project.

The purpose of this funding would be to develop a small (less than 15 lbs) Electro-Optical/Infrared (EO/IR) turret for use on low-cost expendable unmanned aerial vehicles.

This is a valuable use of taxpayer funds because the Force Protection Task Force has a requirement for a low cost autonomous surveillance of designated areas. Low Cost Stabilized Turret will provide a light weight, low cost solution for a flexible, efficient payload that is consistent with this requirement and the warfighter's needs, yet in a cost range consistent with the concept of expendable systems.

There are no matching funds required for this project.

Requesting Member: Congressman ANDER CRENSHAW

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

Account: RDTE, A

Legal Name of Receiving Entity: University of North Florida

Address of Receiving Entity: 1 UNF Drive, Jacksonville, FL 32224

Description of Request: I have secured \$4,000,000 in funding in H.R. 3326 in the RDTE, A Account for the Ruggedized Military Laptop Fuel Cell Power Supply project.

The purpose of this funding would be to develop, demonstrate and prototype a ruggedized Direct Methanol Fuel Cell (DMFC) powered laptop power supply.

This project is a benefit to DOD because it addresses urgent military requirements for extended-run power and offers spin-off potential for other products such as unattended ground sensors, handheld devices, GPS, and micro air vehicles. It will reduce reliance on batteries and greatly simplify supply chain for military field electronics.

There are no matching funds required for this project.

Requesting Member: Congressman ANDER CRENSHAW

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

Account: RDTE, A

Legal Name of Receiving Entity: Nanotherapeutics

Address of Receiving Entity: 13859 Progress Boulevard, Alachua, FL 32615

Description of Request: I have secured \$2,000,000 in funding in H.R. 3326 in the RDTE, A Account for the Anti-Microbial Bone Graft Product project.

The purpose of this funding would be to evaluate the ability to expedite the healing of open tibia and femoral fractures among injured U.S. soldiers thus preventing death or further injury from infections.

This is a valuable use of taxpayer funds because it would be used to evaluate the ability to expedite the healing of open tibia and femoral fractures among injured U.S. soldiers thus preventing death or further injury from infections. According to the U.S. Army Institute of Surgical Research, open fractures account for approximately 20 percent of all combat-related injuries in soldiers. Infection presents an enormous surgical challenge and leads to considerable loss of life. And, despite meticulous treatment, these fractures cause complications that can threaten the viability of the limb and even the life of the patient.

There are no matching funds required for this project.