Project Location: Corvallis, OR; Eugene, OR; Portland, OR; Corvallis, OR

Description of Project: H.R. 3326 appropriates $2,500,000 for ONAMI Miniaturized Tactical Energy Systems Development. According to the requesting entity, the appropriated funds for this project will be used to support the development of miniaturized tactical energy systems for a wide range of military and subsequent commercial applications. According to the requesting entity, this will be a valuable use of taxpayer funds because Miniature Tactical Energy Systems address the growing problems of providing portable power (for tri-generation: electricity, heating and cooling) for forward-deployed Army forces.

Account: Research, Development, Test & Evaluation, Navy

Project Name: ONAMI Nanoelectronics, Nanometrology and Nanobiotechnology Initiative

Legal Name and Address of Requesting Entity: Portland State University; Oregon State University; University of Oregon; Oregon Nanosciences and Microtechnologies Institute, Portland State University, Portland, OR 97207

Project Location: Portland, OR; Corvallis, OR; Eugene, OR; Corvallis, OR

Description of Project: H.R. 3326 appropriates $2,500,000 for the ONAMI Nanoelectronics, Nanometrology and Nanobiotechnology (N31) Initiative. According to the requesting entity, this project would support collaborative research to generate new applications such as nanoelectronic devices to address the end of Moore's Law scaling, advanced solar cells, nanoscale chemical imaging for catalysis improvements in areas such as bioremediation and ethanol production, nanoscale biosensors for point-of-care health management, and biological cell imaging and measurement capabilities. According to the requesting entity, this will be a valuable use of taxpayer funds because nanoelectronics and nanomaterial-based sensors (electrical, magnetic, optical, thermal, biochemical) are critical developments for high-performance electronics and battle theater intelligence, but cannot be successfully deployed without commensurate advances in measurement and materials characterization methods (imaging, chemical analysis) at the nanometer scale.

Account: Research, Development, Test & Evaluation, Defense-Wide

Project Name: Northwest Manufacturing Initiative

Legal Name and Address of Requesting Entity: Manufacturing 21 Coalition, 1100 SW 6th Avenue, Suite 1425, Portland, OR 97204

Project Location: Portland, Oregon

Description of Project: H.R. 3326 appropriates $2,500,000 for the Northwest Manufacturing Initiative. According to the requesting entity, funds for this project would improve the performance of manufacturing companies and the products they create as part of the defense logistics pipeline. According to the requester, this will be a valuable use of taxpayer funds because it is part of a long-term investment strategy designed by industry leaders to concentrate federal, state, public and private resources to serve the needs of the Department of Defense by building the capacity of an entire region's manufacturing cluster to respond to immediate and long-term national needs.

Account: Research, Development, Test & Evaluation, Air Force

Project Name: ONAMI Safer Nanomaterials and Nanomanufacturing

Legal Name and Address of Requesting Entity: University of Oregon/Oregon State University/Portland State University/Oregon Nanosciences and Microtechnologies Institute, University of Oregon, Eugene, OR 97403

Project Location: Eugene, OR; Corvallis, OR; Portland, OR; Corvallis, OR

Description of Project: H.R. 3326 appropriates $2,000,000 for ONAMI Safer Nanomaterials and Nanomanufacturing. According to the requesting entity, this project would use proactive strategies to develop nanomaterials and nanomanufacturing methods which are inherently safer and not detrimental to the environment or health; this directly impacts the Department of Defense's need for high-performance materials. According to the requester, this will be a valuable use of taxpayer funds because the application of this research facilitates application of nanomaterials and manufacturing in important defense technologies including energy production and storage, nanoelectronics and nanophotonics, medical diagnostics and therapeutics, drinking water purification and environmental monitoring and remediation systems. Additionally, nanomaterials are the key to higher performance aircraft structural materials, coatings, fuel systems and electronics.

PERSONAL EXPLANATION

HON. HENRY E. BROWN, JR.

OF SOUTH CAROLINA

IN THE HOUSE OF REPRESENTATIVES

Tuesday, July 28, 2009

Mr. BROWN of South Carolina. Madam Speaker, on Monday, July 27, 2009, I was unable to make votes due to weather delays impacting my flight into Washington, DC. Below please find my personal explanation for the three roll call votes I missed that day.

Rollcall Number:	Had I been present, I would have voted:
647—Recognizing and celebrating the 50th Anniversary of the entry of Hawaii into the Union as the 50th State	YEA.
648—Waco Mammoth National Monument Establishment Act of 2009	NO.
649—Blue Ridge Parkway and Town of Blowing Rock Land Exchange Act of 2009	YEA.

EARMARK DECLARATION

HON. JO ANN EMERSON

OF MISSOURI

IN THE HOUSE OF REPRESENTATIVES

Tuesday, July 28, 2009

Mrs. EMERSON. Madam Speaker, pursuant to the House Republican standards on earmarks, I am submitting the following information in regards to H.R. 3326, the Fiscal Year 2010 Department of Defense Appropriations Bill.

Requesting Member: Rep. JO ANN EMERSON

Bill Number: H.R. 3326

Account: RDTE, A

Requesting Entity: Missouri University of Science and Technology

Address of Requesting Entity: 1870 Miner Circle, Rolla, Missouri 65409

Description of Request: Provide an earmark of $3,000,000 to research materials that will lead to advances in the storage and generation of power. To maintain a strong national defense, our nation must develop new devices from innovative polymer-based materials that have lower-power requirements, greater strength, lighter weight, higher sensitivity, and robustness to operate under extreme conditions. The research will provide materials that will lead to important advances in the generation and storage of power. The power generation systems would have advantages for military use over current systems in terms of weight, flexibility, and functionality.

Requesting Member: Rep. JO ANN EMERSON

Bill Number: H.R. 3326

Account: RDTE, A

Requesting Entity: Missouri University of Science and Technology

Address of Requesting Entity: 1870 Miner Circle, Rolla, Missouri 65409

Description of Request: Provide an earmark of $3,000,000 to complete a project to develop high performance alloy materials and advanced manufacturing of steel castings for new light weight and robotic weapon systems. This program would enhance defense component capabilities at a reduced cost. The program would also augment war fighter capability by increasing the mobility and reliability of weapons systems.

Requesting Member: Rep. JO ANN EMERSON

Bill Number: H.R. 3326

Account: RDTE, A

Requesting Entity: Missouri University of Science and Technology

Address of Requesting Entity: 1870 Miner Circle, Rolla, Missouri 65409

Description of Request: Provide an earmark of $6,000,000 to develop new, low-cost, sensors and an integrating network methodology for geospatial localization and tracking of explosive related threats and precursor materials using spatially distributed, multimodal sensors. This effort is consistent with the U.S. Army goals of assured mobility and force protection.

Requesting Member: Rep. JO ANN EMERSON

Bill Number: H.R. 3326

Account: RDTE, AF

Requesting Entity: Missouri University of Science and Technology

Address of Requesting Entity: 1870 Miner Circle, Rolla, Missouri 65409

Description of Request: Provide an earmark of $3,000,000 to develop fiber reinforced ultra-high temperature materials for hypersonic flight vehicles. Ultra-high temperature materials are imperative for the leading and trailing edges, and control surfaces, of future hypersonic vehicles. The proposed project would greatly advance the material selection and design capability for military systems projected to operate in the extreme environments associated with hypersonic flight. Success of this project would enable the United States to uphold its position of world leadership in these critical technology areas.

EARMARK DECLARATION

HON. RODNEY P. FRELINGHUYSEN

OF NEW JERSEY

IN THE HOUSE OF REPRESENTATIVES

Tuesday, July 28, 2009

Mr. FRELINGHUYSEN. Madam Speaker, pursuant to the Republican Leadership standards on earmarks, I am submitting the following information regarding a request for

funding I made of the House Appropriations Committee for inclusion in H.R. 3326, the Defense Appropriations bill for Fiscal Year 2010.

Specifically, all of the projects are included in Title IV, Research, Development, Test and Evaluation (RDTE).

RDTE, ARMY

Highly Integrated Lethality Systems Development. $4 million. The entity to receive funding is the U.S. Army at Picatinny Arsenal, Picatinny, New Jersey 07806. The Department of Defense has a clear requirement to close the capabilities gap identified by various military users including Remotely Operated Weapon Systems, Joint Services Small Arms, Program (JSSAP), and Future Force Warrior (FFW) to improve precision through coordination of technical and tactical fire control. The application of Coordinated Lethality will make all weapons and munitions products developed and supported by the Armaments Research Development Engineering Center (ARDEC) at Picatinny Arsenal more valuable to the warfighter. This program will help the U.S. Army to achieve success on the battlefield of the future, increasing combat power by networking sensors, decision makers, and shooters to achieve shared awareness, increased speed of command, higher tempo of operations, greater lethality, increased survivability, and a degree of self-synchronization.

Advanced Technologies, Energy and Manufacturing Science. $7 million. The entity to receive this funding is the U.S. Army at Picatinny Arsenal, Picatinny, New Jersey, 07806. This effort will identify solutions to meet a wide array of diverse challenges including Energetics & Insensitive Munitions (IM) development, Directed Energy & Laser Vulnerability of Weapons and Munition Systems, armaments power and energy, and advanced materials manufacturing processes. These technologies are the underpinnings for the evolutionary improvement and revolutionary invention of weapon systems for the Army's Future Force. They also will significantly improve Army capabilities by providing lighter weight, stronger and more durable materiel that will improve the readiness and performance of soldiers and their weapons systems and enhance battlefield survivability and sustainability. This program helps the Army to meet the urgent need to develop and field a breadth of innovative technology solutions to the joint warfighter with a focus on the lethality and survivability demands for munitions and armaments.

Developmental Mission Integration. $7 million. The entity to receive this funding is the U.S. Army at Picatinny Arsenal, Picatinny, New Jersey 07806. This program responds to the critical need for the U.S. Army Armament Research Development and Engineering Center (ARDEC) to have the capability and flexibility to ''bridge the gap'' between its armaments research activities and Current Force requirements through a dedicated effort to mature, update, prototype and ''spin out'' armament and munitions technologies needed by the warfighter in the near term (6 to 12 months). This program helps the Army develop, demonstrate and transition critical armaments, munitions and logistics technologies needed by Army Brigade Combat Teams and Special Forces prior to (i.e. reset periods) and during deployment.

Reliability and Affordability Enhancement for Precision Guided Munitions. $6 million. The entity to receive this funding is the U.S. Army at Picatinny Arsenal, Picatinny, New Jersey, 07806. Reliable precision guided munitions provide distinct advantages against a range of targets, where their use reduces risks to U.S. forces and can save U.S. lives. These weapons can also reduce unintended harm to civilians during combat, by producing less collateral damage to civilians and civilian infrastructure than unitary weapons. This program will meet the Army's urgent need to develop and provide a breadth of innovative technology solutions for joint warfighter with a focus on precision, safety, lethality and survivability demands for munitions and armaments.

Armaments Academy. $3 million. The entity to receive this funding is the U.S. Army at Picatinny Arsenal, Picatinny, New Jersey, 07806. This program would establish an ''Armaments Academy'' at Picatinny Arsenal that is recognized formally as the Department of Defense's executive agent for training and certifying armament engineers and scientists for all services. This academy would develop an exceptional workforce of employees with multiple and integrated skill sets, capable of adapting quickly to DoD's changing armament mission. In the process, the Academy would ensure a sustainable talent pool for the growth and development of DoD's armament development community, accelerate developing new incoming DoD armament Scientists & Engineers

(S&E) increasing productivity and value to DoD and the Warfighter.

Joint Munitions and Lethality Mission Integration. $2 million. The entity to receive this funding is the U.S. Army at Picatinny Arsenal, Picatinny, New Jersey, 07806. The Joint Munitions & Lethality Life Cycle Management Command (JM&L LCMC) was established to support the Army's overarching goal of transforming into a more lethal and agile force. This program will assist the integration and transition of research, development and engineering (RDE) technologies into Program Executive Office (PEO)/Program Manager (PM) systems. This effort will allow the JM&L to integrate critical munitions and lethality missions across all stages of the life cycle (R&D, Production, Sustainment and Demilitarization) to more efficiently and economically support the joint warfighter.

Rapid Insertion of Developmental Technology. $2 million. The entity to receive this funding is the Stevens Institute of Technology at Castle Point on Hudson, Hoboken, NJ 07030. Continued operations in Iraq and Afghanistan have necessitated the rapid development, qualification and fielding of newly developed military technologies that enhance lethality, situational awareness, and warfighter effectiveness and survivability. There exist opportunities to rapidly field developmental technologies through spiral development into existing and future systems. This ongoing program will address five areas of need for rapid development: Intelligent Armor Systems; Micro-ElectroMechanical Systems (MEMS) for Weapons Applications; Intelligent and Precision Weapon Systems; Manufacturing Sciences Modeling & Simulation and Microchemical Platforms for Nanoenergetic Materials and Critical Defense Chemicals. This funding will be used to enhance the Army's ability to accelerate the fielding of new systems and technology that are crucial to the success of ongoing military operations.

GreenArmaments/Rangesafe. $2 million. The entity to receive this funding is the Stevens Institute of Technology at Castle Point on Hudson, Hoboken, NJ 07030. During current and ongoing training and test operations the Army expends millions of rounds of ammunition containing heavy metals such as lead, tungsten and depleted uranium. This program is developing innovative technologies to reduce the environmental impact of Army armaments, munitions and operations on natural resources. All ongoing projects are aimed at directly supporting the Army's Environmental Requirements and Technology Assessment (AERTA), to allow the Army to maintain its training and test and production facilities at the top operational level enabling their continued use to ensure war-fighting readiness.

Armament Systems Engineering—ASEI2. $2 million. The entity to receive this funding is the Stevens Institute of Technology at Castle Point on Hudson, Hoboken, NJ 07030. The dynamically changing mission requirements in numerous and diverse points of engagement for the Army can only be met by efficient, accelerated and affordable development, integration and fielding of new capabilities and systems. This ongoing program is developing and implementing new methods and practices in systems architecture, system engineering methodologies and tools, systems integration and prototyping, modeling and simulation capabilities for complex and intelligent systems, and network system engineering.

Nano Advanced Cluster Energetics. $2 million. The entity to receive this funding is the New Jersey Institute of Technology at University Heights, Newark, New Jersey 07102–1982. Advanced Cluster Energetics (ACE) combines simple, established particulate coating and handling processes to achieve net shape manufacturing of energetic products with ''perfect'' composition uniformity, dramatically higher energy density and an order of magnitude smaller process cost. The Nano Advanced Cluster Energetics program (ν-ACE) seeks to extend ACE technology to incorporate nano-scale components that will result in performance gains even greater than those already demonstrated at the micro-level. There currently is no existing technology that can process nano-particulates at production scale. Nano ACE benefits will touch all aspects of manufacturing and performance of military munitions: 50 percent manufacturing cost reduction; insensitive munitions through encapsulated uniform compositions munitions products of superior packing density in the same volume leading to greater performance and a reduced logistics tail.

Lightweight Packaging System for Enhancing Combat Munitions Logistics. $2 million. The entity to receive this funding is Frontier Performance Polymers, Picatinny Innovation Center, Picatinny, New Jersey, 07806 The Army and Marines have learned in Iraq and Afghanistan that current ammunition packaging is too heavy and bulky. This program is initially focusing on developing advanced multifunctional lightweight materials, cost-effective fabrication processes and optimized packaging systems for 120mm mortar ammunition. Research has already resulted in a reduction of 30 percent in system weight and 20 percent in system cost. There has also been success with increased shipping capacity, greater portability by one soldier, ease of access to ammunition and reduced loading, assembling and packing costs. Acceleration of

this advanced material and fabrication capability for the production of the lightweight munitions packaging systems will ultimately enhance force readiness, reduce the logistics footprint, increase handling and supply efficiency, enhance safety and improve a soldier's mobility, agility and survivability, especially at the time of additional U.S. troop deployments to Afghanistan.

Ink-based Desktop Electronic Materials. $2 million. The entity to receive funding for this project to Honeywell Corporation, headquartered at 101 Columbia Road, Morristown, New Jersey 07962. Today's Army has a demonstrated need for low-production volume, short-use life and quickly-deployable electronics that enable field-based circuit design, implementation and repair. Ink-based printable electronics technology is faster and less expensive than traditional manufacturing processes and will allow electronic materials to be printed in the field much closer to the user. This program is developing specialized inks that are capable of fabricating electronics that would be printed on a desktop printer and then incorporated into communication technologies such as laptop computers, mobile phones, Radio Frequency Identification (RFID) tags, displays, antennae, radar, etc.

RDTE, AIR FORCE

M–PACT Pure Air Generator (PAG). $2 million. The entity to receive funding for this project is Marotta Scientific Controls, 78 Boonton Avenue, Montville, New Jersey 07045. This is a request is for Air Force RDT&E to develop an enhanced Small Diameter Bomb (SDB) Alternate Compressor System to be used in missile seeker cooling and pneumatic weapons ejection and designed to meet the specific operational requirements of the Small Diameter bomb. As a direct follow-on to current funding, enhancements are needed to improve the reliability of the system, ensuring higher performance and lower cost to the Air Force for the system over the product life cycle.

Large Area APVT Materials Development for High Powered devices. $2 million. The entity to receive funding for this project is II–VI Corporation, 20 Chapin Road, Suite 1005, Pine Brook, NJ 07058. This project is developing a domestic technology and manufacturing base for large area (100mm diameter), high quality silicon carbide (SiC) materials. These materials are needed for highly energy efficient, high frequency, and high power applications for the Department of Defense which has specific future mission requirements for solid state power substations, all-electric and hybrid vehicles (Air Force, Army and Navy), and next generation radar devices (Air Force and Navy), all of which will rely upon devices manufactured with Silicon Carbide (SiC).

RDTE, NAVY

Advanced Fuel Filtration (AFF) System. $1.5 million. The entity to receive funding is Filtration Solutions, 432 Sand Shore Road, Unit 8, Hackettstown, NJ 07840. This program seeks to finalize a system that was developed under the Navy SBIR program for the replacement of the DDG shipboard centrifugal fuel oil purifier. This equipment will save $25 million per year for the Navy from maintenance and operation cost after it is fully implemented to the DDG–51 and CG–47 class ships.

PERSONAL EXPLANATION

HON. TIMOTHY H. BISHOP

OF NEW YORK

IN THE HOUSE OF REPRESENTATIVES

Tuesday, July 28, 2009

Mr. BISHOP of New York. Madam Speaker, on July 27, 2009, I was unavoidably detained en route to the Capitol from New York. Due to my absence, had I been here, I would have voted in the following manner: rollcall No. 647, I would have voted aye; rollcall No. 648, I would have voted aye; rollcall No. 649, I would have voted ''aye.''

100TH ANNUAL PIKE COUNTY FAIR

HON. JEAN SCHMIDT

OF OHIO

IN THE HOUSE OF REPRESENTATIVES

Tuesday, July 28, 2009

Mrs. SCHMIDT. Madam Speaker, I rise today to recognize the start of the 100th annual Pike County Fair. In the mid-nineteenth century, 89 farmers, including former Congressman John Van Meter, formed the Pike County Agricultural Society. Unfortunately, the demands of the Civil War caused the dissolution of the society. But, on March 21, 1907, forty-three subscribers—local farmers and businessmen, purchased the initial stock of the Pike County Fair Board.

The first fair opened August 14th in conjunction with an opening on the Ohio Valley Racing Association circuit. The main attraction of the inaugural fair was harness racing. 10,000 people attended the three day fair. A harness racing track remains on the premises of the Pike County Fairgrounds, but races are now held a few days before the fair's opening. For three years, between 1954 and 1956, the fair did not occur due to a land lease disagreement. In 1957 the fair resumed after the signing of a new agreement and the construction of a new grandstand and horse barn.

The Pike County Fair continues to be a great event for all of the citizens of Pike County. Children for over 100 years have gained valuable tools for a successful life in agriculture as a result of their participation in the Pike County Fair.

Madam Speaker, I ask you to join me in congratulating the Pike County Fair Board for this momentous occasion and wish them continued success in the future.

PUTTING PATIENTS FIRST, NOT GOVERNMENT BUREAUCRATS

HON. KENNY MARCHANT

OF TEXAS

IN THE HOUSE OF REPRESENTATIVES

Tuesday, July 28, 2009

Mr. MARCHANT. Madam Speaker, Americans need health care reform, but we do not need a super expensive and inefficient government plan that will saddle our children with massive debts. With unemployment at 9.5 percent, its highest level in a quarter century, now is not the time to enact employer mandates that will lead to fewer jobs and rationed care.

I am opposed to government run health care. Over $60 billion is lost annually to health care fraud; just think of how much more money will be lost to waste, fraud, and abuse under a massive government takeover.

I stand in support of the Patients Choice Act sponsored by Congressman PAUL RYAN. This bill gives every American the opportunity to choose the health care plan that best meets their individual needs—and it ensures that our constituents will receive the same standard benefits as their Member of Congress.

Rather than allowing Washington bureaucrats to come between a patient and their doctor, the Patients Choice Act puts individuals in control. I am proud to co-sponsor the Patients Choice Act.

EARMARK DECLARATION

HON. MARY FALLIN

OF OKLAHOMA

IN THE HOUSE OF REPRESENTATIVES

Tuesday, July 28, 2009

Ms. FALLIN. 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 of 2010.''

Title of Project: Advanced Autonomous Robotic Inspections for Aging Aircraft

Amount of Project: $2,000,000

Account: Air Force, Operations & Maintenance

Project Recipient: Veracity Technology Solutions, LLC, 2701 Liberty Parkway, Suite 311, Midwest City, OK 73001

At my request, $2,000,000 was included in H.R. 3326, for Veracity Solutions in Midwest City, OK, to implement a fully automated autonomous robotic vehicle that has the capability to inspect for corrosion, as well as crack detection around fasteners for the KC–135 aircraft. Current inspection methods are both antiquated and time consuming, which has increased maintenance downtime and unnecessary refurbishment. A state-of-the-art nondestructive inspection system and training, which decreases maintenance costs and improves safety, will have the ability to detect corrosion and cracking on the KC–135 wing skins (and other aging aircraft). This system will allow for condition assessment of aircraft structures, as well as continuous assessment through the historical comparison of previous and present inspection results.

Specifically, the funding will be used for the technical personnel, facilities, and equipment required to develop an integrated system that includes a medical grade ultrasonic inspection system, an advanced impedance plane analysis eddy current unit, and an autonomous inspection vehicle that will allow engineers and depot crews to accurately and instantly identify defects and that are currently undetectable with traditional nondestructive inspection methods. The end product will provide a permanent record of the structural member which can be stored on the network for future comparison.

Title of Project: Joint Fires and Effects Trainer System Enhancements

Amount of Project: $2,500,000

Account: Army, Research, Development, Test & Evaluation

Project Recipient: Creative Technologies, 6255 West Sunset Boulevard, Suite 716, Los Angeles, CA