

capabilities to conduct development work for Biofuels, a strategic initiative under DARPA; Rolls Royce—through the Purdue University Technology Center (UTC); Caterpillar—long term test operations data; The Boeing Company—support and development of alternative fuels initiatives underway.

Justification for Use of Tax Dollars: In an executive act, President Bush has committed U.S. military installations to use green fuels. The Department of Defense is committed to approval of all aircraft for flight on synthetic fuel blends by the end of 2008. Furthermore, Boeing and Virgin intend to fly a green aircraft using bio-fuel. The Civil Aviation Alternative Fuel Initiative developed a roadmap for the integration of new fuel technologies into the aerospace industry. This project will maintain a multi-faceted National Testing Facility to support development and testing of alternative energy sources for aerospace equipment, assisting the federal government and the private aerospace sector in meeting their green fuel objectives.

DETAILED FINANCE PLAN FOR NATIONAL RADIO FREQUENCY—R&D AND TECHNOLOGY TRANSFER CENTER

The requested funds will be the only source of funding. Funds will be used as follows:

Establish the Center and Participant Coordination—900K—Staffing and training; management and project oversight; identify and technology to needs; select projects.

Start First Project—2,100K—Trial of process; develop needed maturity for transition to production; details of project spending: Salaries—1,400K; material—300K; test equipment and facility use—400K.

Start Second Project—2,000K—Proof process with lessons learned; develop needed maturity for transition to production; details of project spending: Salaries—1,300K; material—300K; test equipment and facility use 400K.

Total—5,000K.

Percent and Source of Matching Funds: None.

Justification for Use of Federal taxpayer dollars: Our Government spends billions of dollars each year on science and technology and research and development. Many groundbreaking technologies never make it to the intended uses simply because it is difficult and time consuming to bridge the funding gaps and acquisition administration requirements. National Radio Frequency (RF) R&D and Technology Transfer Center is intended to facilitate technology transfer to production, to promote small business initiatives, and to gain higher returns on research dollars.

HONORING ELIZABETH FOSTER

**HON. HENRY CUELLAR**

OF TEXAS

IN THE HOUSE OF REPRESENTATIVES

Tuesday, May 20, 2008

Mr. CUELLAR. Madam Speaker, I rise today to honor Mrs. Elizabeth Foster, who will be inaugurated as President of the Republic of the Rio Grande during the Webb County Heritage Foundation's annual Founders' Day Celebration at Texas A&M International University on May 10, 2008. Each year, the Heritage Foundation selects an individual who embodies outstanding commitment to historic preservation, and this year, that deserving individual is Mrs. Elizabeth Foster.

Elizabeth was born on December 5, 1920, in Mission, Texas, to her parents, Louis J. Kowalski, and Dorothy Newhall Kowalski. She spent her early childhood in Monterrey, Nuevo Leon, Mexico, where her father was involved in the tobacco business. In 1931, Elizabeth's family moved to Laredo, Texas, when she was 10 years old. Elizabeth attended Heights Elementary School, L.J. Christen Middle School, and graduated from Laredo High School in 1937. She portrayed Princess Pocahontas in the Washington's Birthday Celebrations of 1939 and 1941, and was presented by the Society of Martha Washington in 1940. She married John E. Foster on May 1, 1941. She had 8 children: John, Elizabeth, Dorothy, Alice, Mary, Edward, Sarah, and Stephen, and is a proud grandparent to 10 grandchildren. Mrs. Foster has admirably served the community of Laredo, Texas, through her civic work with the Daughters of the American Revolution, Ladies' Luncheon Club, and the Cotillion Club. She is also an active member of St. Patrick's Catholic Church.

Madam Speaker, I am honored to have had this time to recognize the dedication of Mrs. Elizabeth Foster to preserving the history of the City of Laredo, and for her inauguration as President of the Republic of the Rio Grande.

EARMARK DECLARATION

**HON. JOHN T. DOOLITTLE**

OF CALIFORNIA

IN THE HOUSE OF REPRESENTATIVES

Tuesday, May 20, 2008

Mr. DOOLITTLE. Madam Speaker, I submit the following:

Requesting Member: Representative JOHN T. DOOLITTLE.

Bill Number: H.R. 5658.

Account: Report Language.

Legal Name of Requesting Entity: Herlong Public Utilities District, Lassen County Board of Supervisors, Ft. Sage Unified School District, Susanville Indian Rancheria.

Address of Requesting Entity: P.O. Box 515, Herlong, CA 96113-0515.

Description of Request: Request that the Army promptly review the Herlong Public Utilities District (HPUD) proposal to privatize the water utility at Sierra Army Depot (Depot) and to convey the utility and offset the costs of the project if it is in the government's best interests. Currently, the Depot provides drinking water to the community of Herlong, and is not in compliance with State of California drinking water standards. Conveying the water utility to HPUD would save approximately \$4.5 million of the \$12 million currently estimated to bring the Depot into compliance with California State water standards. As HPUD is a local governmental entity, the matching requirement is not applicable.

EARMARK DECLARATION

**HON. MICHAEL T. McCAUL**

OF TEXAS

IN THE HOUSE OF REPRESENTATIVES

Tuesday, May 20, 2008

Mr. McCAUL of Texas. Madam Speaker, I wish to have my name disassociated with the following project. After this request was sub-

mitted to the House Armed Services Committee I instituted a personal earmark moratorium and do not want any earmarks in my name for Fiscal Year 2009.

I urge the Chairmen and Ranking Members of the House and Senate Armed Services Committees, as well as any conferees, to not put forward this earmark in my name or at my request in final Conference or Committee Reports.

Requesting Member: Congressman MICHAEL McCAUL.

Bill Number: H.R. 5856.

Account: Army RDTE (R-1 Line #133) PE 0605502A.

Legal Name of Requesting Entity: Applied Physical Electronics, LP.

Address of Requesting Entity: 5208 Electric Ave., Spicewood, Texas 78669.

Description of Request: The requested funding will be used for research to produce technology to support efforts against terrorist activities, to fund two endowed professors from the University of Texas for antenna design support and for signal and image processing, to acquire key capital laboratory equipment, and to hire 12 highly skilled professional engineers, as well as supporting staff. The UT professors will be funded to continue in their efforts to help design compact antenna structures, as well as the development of algorithms necessary for detecting and identifying explosives and controlling electronics used with Improvised Explosive Devices (IEDs). The necessary equipment and additional staff will further the development of APELC's technology into systems deployed for defense against IEDs and Rocket Propelled Grenades (RPGs), with the ultimate objective being the utilization of APELC's technology as integral components of future applicable DoD systems, including MDA, Army, Air Force, DARPA and the Navy.

EARMARK DECLARATION

**HON. PHIL GINGREY**

OF GEORGIA

IN THE HOUSE OF REPRESENTATIVES

Tuesday, May 20, 2008

Mr. GINGREY. Madam Speaker, in accordance with House Republican Conference standards and Clause 9 of Rule XXI, I submit the following member requests for the record. Funding for these requests was authorized in the National Defense Authorization Act for Fiscal Year 2009.

Requesting Member: Congressman PHIL GINGREY.

Bill Number: H.R. 5658.

Account: Army RDT&E, PE62786A, Line 27, Warfighter Technology.

Legal Name of Requesting Entity: Printpack Inc.

Address of Requesting Entity: 2800 Overlook Parkway, NE Atlanta GA 30339.

Description of Request: The budget request includes \$21.9M in PE62786A for Applied Research of new warfighter technologies of which \$5.3M is allocated for Joint Service Combat Feeding Technology. The \$2,100,000 added to this account will be used to develop new and innovative packaging and processing technologies for the Warfighter's combat rations. These funds will result in the ability to provide greater variety and more nutritional rations with longer shelf-life and reduced production costs. The objective of this effort is to

develop advanced thermal processing techniques based on the utilization of non-foil materials for military ration packaging. The importance of developing non-foil packaging materials will serve as a precursor to the next stage of the R&D effort which will investigate new and enhanced thermal processing techniques; specifically, Enhanced High Pressure Processing, EHPP, and Microwave Sterilization, MW, technologies. The EHPP and MW processing technologies have numerous advantages over conventional thermal processing; however, these processes cannot be used on current foil packaging because they cause blistering and flex cracking of the foil packaging material. Therefore, to achieve the advantages of advanced EHPP and MW processing, it is essential to use state-of-the-art, non-foil packaging materials. The development of advanced, non-foil packaging materials and utilization of innovative EHPP and MW processing techniques will result in the provision of rations with the following beneficial and enhanced qualities: greater variety, better taste, more nutrition, longer shelf-life, lower overall production costs, environmentally friendly, less volume and waste. The FY09 effort will consist of three stages and is budgeted as follows: Stage 1: Blistering, \$0.14M, Stage 2: Flex Crack Resistance, \$0.26M, Stage 3: EHPP & MW Trials, \$1.7M.

Requesting Member: Congressman PHIL GINGREY.

Bill Number: H.R. 5658.

Account: Defense-wide RDT&E.

Legal Name of Requesting Entity: Scientific Research Corporation.

Address of Requesting Entity: 2300 Windy Ridge Parkway, Suite 400 South, Atlanta, GA 30339.

Description of request: This program will utilize recently developed Wavelet Packet Modulation, WPM. The \$4,000,000 authorized will be used to implement design modifications for limited rate initial production, including form factor packaging changes for ruggedization and for integration with signal intelligence systems. Additionally, production readiness for integration with existing communications systems will occur. Finally, module testing will be subjected to continued assessment and utility testing on multiple platforms. The enhanced modules will then undergo a final government Production Readiness Review, paving the way for subsequent deployment. Covert WPM Communications Modules as communications links for multiple platforms, including unmanned aerial systems, provide a critical solution to special operations warfighters that require the ability to communicate covertly without detection. Funding is required for hardware and software engineering, integration, and test, 64 percent; specialized equipment 21 percent; specialized software 13 percent; and travel to U.S. Special Operations Command and to military test sites 2 percent. This request is consistent with the intended and authorized purpose of the U.S. Special Operations Command Special Operations Tactical Systems Development program.

Requesting Member: Congressman PHIL GINGREY.

Bill Number: H.R. 5658.

Account: Other Procurement, Army (Training Devices, Non-system).

Legal Name of Requesting Entity: Meggitt Training Systems.

Address of Requesting Entity: 296 Brogdon Road, Suwanee, Georgia 30024

Description of Request: The \$3 million authorized will continue the multi-year upgrade and modernization of existing firearms simulation systems in the Army National Guard necessary to meet the validated system standard. The modernization includes the conversion to digital systems and acquiring tetherless simulated weapons that allow better freedom of movement and enhanced realism than the tethered version. The Army National Guard views modernization as critical to resolving an immediate mandatory small-arms training need in support of the Guard's role in the global war on terrorism and homeland security. Of the 266 systems in the Guard inventory, 169 have not been upgraded. These funds will allow for the upgrade of approximately 45 of those systems.

Requesting Member: Congressman PHIL GINGREY.

Bill Number: H.R. 5658.

Account: Defense-wide, RDTE.

Legal Name of Requesting Entity: Georgia Institute of Technology.

Address of Requesting Entity: GTRI Cobb County Research Facility, 7220 Richardson Road Smyrna, GA 30080.

Description of Request: The \$6,000,000 authorized for Advanced Surface-to-Air-Missile (SAM) Hardware Simulator Development will reinvigorate the simulator development process and provide a simulator that can be used for electronic warfare, EW, development and testing while the simulator community revives its ability to develop and field SAM simulators. The funding will be used for research and charged to the Department of Defense at pre-negotiated rates.

One of the by-products of the collapse of the Soviet Union is that Russian SAM systems became available for purchase through FME/FMA programs. This has been a boon for the EW and test communities, DTE & OTE, in that they have been able to use actual SAM systems, as opposed to SAM simulators, to develop and test EW equipment and tactics against Russian SAM systems. While providing the aforementioned benefit, the availability of actual Russian SAM systems has had the negative effect of curtailing development of SAM simulators. At the same time, the Russians have continued to develop advanced SAM systems. Further, the Chinese have continued their development of advanced SAM systems, and other, third-world countries have been purchasing and modifying Russian SAM systems. Intelligence estimates are that these advanced and modified SAM systems will not be available for purchase by the U.S. in the foreseeable future.

The result of the above is that the U.S. EW and test communities are hampered in their development of EW equipment and tactics against advanced Russian and Chinese SAM systems, or against modified, third-world, SAM systems. This is particularly troubling because these threats are critical requirements drivers for many U.S. acquisition and upgrade programs including the JSF, AWACS, EF-18G, AARGM, J-UCAS, F-22, and JASSM. While it is believed that the simulator development community will recover its ability to field simulators of advanced SAM systems, such recovery will take a long time. Also, unless action is taken soon, the recovery will be hampered by the fact that the corporate knowledge needed to develop threat-representative simulator designs is being lost through retirement and personnel shifts.

Requesting Member: Congressman PHIL GINGREY.

Bill Number: H.R. 5658.

Account: RDTE N, PE#0603513N, Line 35, Shipboard System Component Development.

Legal Name of Requesting Entity: Global Technology Connection, Inc.

Address of Requesting Entity: 2839 Paces Ferry Road, #1160, Atlanta, GA 30339.

Description of Request: The \$2,000,000 authorized will be used to begin development of a Two-Screw Magnetic Drive pump system, 2-SMDPS, with diagnostic/prognostic capabilities in response to a Navy requirement. Approximately \$1,000,000, 50 percent, is for the engineering and design of the controls/micro-processor; the development of test protocols and collaboration on the algorithms/software; and \$1,000,000, 50 percent, on engineering addressing the pump design. The system will provide a diagnosis of pump components and provide a prognosis of the time-to-failure while identifying the affected components giving their current state and estimating remaining useful lifetime. This advanced pump system for naval ships that will not only increase safety for the ships' crews but also ensures there are no catastrophic failures during critical missions. In addition, it will provide savings on inventory and reduce the need for redundant systems, thereby reducing weight and freeing up space on naval ships.

Requesting Member: Congressman PHIL GINGREY.

Bill Number: H.R. 5658.

Account: Army, RDTE.

Legal Name of Requesting Entity: Georgia Institute of Technology.

Address of Requesting Entity: Institute of Bioengineering and Bioscience, 315 Ferst Drive, NW Atlanta, Georgia 30332-0363.

Description of Request: The \$3,000,000 authorized for the Center for Advanced Bioengineering and Solider Survivability, CABSS, will be used for critical needs in trauma treatment and post-trauma wound care and reconstruction. The funding will be used for research and paid out at pre-negotiated rates in accordance with Department of Defense policy. Specifically, funds will be used to: establish a seed grant program to identify novel technologies for treatment of musculoskeletal defects following trauma, develop oriented nano-fiber meshes for treatment of neurologic defects following injury to the extremities, develop biodegradable shape memory polymers for treatment of large bone defects, develop biodegradable shape memory polymers for craniofacial reconstruction, and test the effects of sustained delivery of osteoinductive proteins in tubular nanofiber mesh scaffolds on functional repair of large segmental bone defects. Past Congressional funding has been leveraged by CABSS to obtain additional funds from the Department of Defense.

Requesting Member: Congressman PHIL GINGREY.

Bill Number: H.R. 5658.

Account: O&M, ARMY, Off-Duty and Voluntary Education.

Legal Name of Requesting Entity: North Georgia College & State University.

Address of Requesting Entity: College Circle, Dahlonega, Georgia 30597.

Description of Request: These funds will expedite the creation of an Arabic Language and Culture Program at one of the nation's six senior military colleges. With its Corps of Cadets numbering nearly 650 and with an annual

commissioning of 45–50 2nd Lieutenants in the U.S. Army, North Georgia is centrally situated to make an immediate impact on training future military leaders for the threats that the Nation currently faces and will very likely face for the foreseeable future. These funds will create the infrastructure to provide Arabic language and culture training beginning with the fall 2009 semester. The University will pick up the costs for the program once the Federal funds have been exhausted. Of the \$350,000 authorized, \$227,000 will be used for personnel expenses for 3 faculty members to teach Arabic, \$23,000 will be used on equipment and software, \$37,300 will be used for students to study abroad and faculty development, \$30,000 will be used to provide students with a summer stipend. The remainder of the funds will be used for indirect costs.

Requesting Member: Congressman PHIL GINGREY.

Bill Number: H.R. 5658.

Account: Army Line 30, PE# 0603002A.

Legal Name of Requesting Entity: Smisson-Cartledge Biomedical, LLC.

Address of Requesting Entity: 502 Mulberry Street, Second Floor Macon, Georgia 31201.

Description of Request: The \$2,000,000 will be used for Research and Development on extracorporeal lung support therapy as an extension of the ThermoCor 1200 technology. As research shows, there is an unmet medical need for something better than conventional mechanical ventilation for acute lung injury, including exacerbations of chronic lung disease. Smisson-Cartledge Biomedical intends to pioneer an integrated system to provide an extracorporeal alternative for use outside of the surgical ICU. Their system would be designed for use by people who are not trained perfusionists or surgeons. The plan is to integrate the “smart” pump/circuit driver with an efficient compact gas exchange device for CO<sub>2</sub> removal and reoxygenation of the blood that will be infused at normothermic, body, temperature. The base technology will be further developed to provide this critical life-saving portable lung support for soldiers/patients that are inflicted with an acute lung injury. The authorized funds will complete this effort.

Requesting Member: Congressman PHIL GINGREY.

Bill Number: H.R. 5658.

Account: Aircraft Procurement, Army; 020 Utility Helicopter Mods.

Legal Name of Requesting Entity: Army National Guard Readiness Center.

Address of Requesting Entity: 111 S. George Mason Drive, Arlington, VA, 22204.

Description of Request: The \$5,000,000 authorized will be used for UH–60 Black Hawk Helicopter upgrades. The UH–60L Upgrades are \$1.5 million each and include: UH–60L Improved Durability Gearbox; UH–60L Flight control upgrades; UH–60L, IVHMS, Integrated Vehicle Health Maintenance System; UH–60L Overhead rescue hoist provisions; UH–60L Overhead Rescue Hoist; UH–60L Rescue Hoist Cable Guard; UH–60L Digital engine control unit; UH–60L Hydro mechanical unit; UH–60L Signal data converter; UH–60L Cargo hook upgrade to 9000 lbs.

The UH–60 Black Hawk helicopter is an essential capability of the National Guard. It provides units in every state with a multi-mission aircraft for search and rescue, utility lift, disaster relief and medical evacuation. The Army National Guard, ARNG, is authorized 782

Black Hawk aircraft, but is short of this authorization by almost 100 aircraft. This shortage requires ARNG units to loan or transfer Black Hawks in support deployments, training or state missions, resulting in a higher usage rate of available airframes. Additionally, more than 500 of the 782 National Guard aircraft are older UH–60A models, with an average age of approximately 25 years. The Army is procuring over 1200 UH–60M Black Hawks for utility, special operations and MEDEVAC missions to replace the aging UH–60A from operational units by 2016. The Army acquired 33 UH–60M Black Hawks by the end of FY07, and from FY09 to FY13, the Army plans to procure an additional 300 UH–60M Black Hawks (70 of those aircraft are programmed for ARNG units). However, without an accelerated procurement of the UH–60M, the Army National Guard will be operating more than 400 UH–60A helicopters beyond 2020. The ARNG and the Active Army developed a program to support the continued modernization of the ARNG Black Hawk fleet. Unfortunately, this program is not fully funded. The ARNG plan is to accelerate the fielding of UH–60M Black Hawks by 10 aircraft per year. Although the Active Army has programmed UH–60A recapitalization for the ARNG with Operations and Maintenance, O&M, funds, which includes an airframe life extension, fleet-wide product improvements and the replacement of components, the UH–60A to L upgrade is not funded. The UH–60L Black Hawk is more economical to operate and has 1000 lbs of additional lift than the UH–60A. The desired rate of UH–60 A to L upgrades is 38 per year. Funding the UH–60A to L upgrade will significantly improve the Black Hawk fleet, and assure that ARNG units are ready, deployable, and available to protect our national interests both abroad and at home. This ARNG aviation initiative has been identified by the Chief of the National Guard Bureau, CNGB, as FY09 “Essential 10—Top 25” unfunded priorities.

Requesting Member: Congressman PHIL GINGREY.

Bill Number: H.R. 5658.

Legal Name of Requesting Entity: USAF (2009 Unfunded Requirements List); Lockheed Martin Corp/Boeing Co/United Technologies Corporation.

Address of Requesting Entity: The Pentagon, Washington, DC; Marietta, GA/Seattle, WA/East Hartford, CT.

Description of Request: \$523,000,000 is authorized to advance procure F–22 long-lead items in FY2009 that are necessary for F–22 procurement in FY2010. The funds provide for production of supplier items in FY2009 that are required to produce 20–24 additional, Lot 10, F–22 aircraft in FY2010, such as specialty metal alloy and titanium structural parts, as well as engine, AMAD, RADAR, CIP, CNI, and Landing Gear parts. The USAF submitted this request as the number two priority on its FY2009 Unfunded Requirements List. Additionally, the Secretary of Defense testified that he would like to extend production of F–22 into 2010, in order to allow the next administration to determine future production of the F–22. Yet, to date, the Secretary has provided no defense budget funding request or supplemental budget funding request to do so. Without funds for Advance Procurement of another full lot, F–22 production line suppliers will be forced to begin shutdown activities by November of 2008, making it unlikely that the next

administration would have the necessary time or personnel in place to make such an important decision.

#### EARMARK DECLARATION

### HON. RAY LAHOOD

OF ILLINOIS

IN THE HOUSE OF REPRESENTATIVES

*Tuesday, May 20, 2008*

Mr. LAHOOD. Madam Speaker, in accordance with the Republican adopted standards on earmarks, I submit the below detailed explanation of the C–130 Squadron Operations Facility for the 182nd Airlift Wing, Illinois Air National Guard.

Bill Number: H.R. 5658, the Duncan Hunter National Defense Authorization Act of fiscal year 2009.

Provisions/Account: Air Force, MilCon Air National Guard, JLQN069160.

Name and Address of Requesting Entity: 182nd Airlift Wing, Illinois Air National Guard, 2416 S. Falcon Boulevard, Greater Peoria Regional Airport, Peoria, IL 61607.

Description of Request: This is a top priority for the Illinois Air National Guard. This project has already received architecture and engineering funding from the National Guard Bureau, and will be ready to utilize FY09 funds. This request would provide a properly sized and adequately configured facility to accommodate airlift squadron operations. The current facility is only 86 percent of the authorized space. It is extremely overcrowded and inadequate to support the ongoing airlift mission of this C–130 base. Upon completion of this project, the current Operations building will be reconfigured to address the critical space shortages of other base operations.

H. RES. 1086 RECOGNIZING NATIONAL NURSES WEEK ON MAY 6 THROUGH MAY 12

### HON. BETTY MCCOLLUM

OF MINNESOTA

IN THE HOUSE OF REPRESENTATIVES

*Tuesday, May 20, 2008*

Ms. MCCOLLUM of Minnesota. Madam Speaker, I rise today in strong support of the resolution recognizing National Nurses Week on May 6th through May 12th (H. Res. 1086). This resolution pays tribute to the safe, high quality, and preventative health care that nurses provide.

I am pleased to honor the essential role that nurses play in providing quality health care across our Nation. Each of us remembers experiences when a loved one needed health care and a nurse was the first person by the patient's side providing care and comfort. We all benefit from the commitment nurses make to their profession despite extraordinary challenges they face every day.

Nurses are the health professionals on the front lines of caring for Americans both at home and abroad. Our Nation's soldiers on the front lines rely on nurses for lifesaving aid as they serve our country abroad. Back in the States, nurses play an important role as the primary point of contact between the patient and the world of healthcare providing critical medical care for the patient and assistance for their families.