

training, operations and manufacturing. It will also support workforce development initiatives throughout the state.

Request as named in the report: Protective Self-Decontaminating Surfaces

Requesting Member: ADERHOLT

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

Account or Provision: RDT&E—DW

Legal Name of Requesting Entity: Ventana Research Corp. (VRC)

Address of Requesting Entity: 139 Barnes Drive, Suite 2, Tyndall AFB, FL

Description of Request: \$1,600,000 for ACD&P project of self-decontaminating surfaces for long-lasting personnel (e.g. clothing) & shelter (e.g. hospitals) protection from Chem/Bio (& nerve gas) attacks. Light-activated decontaminating material produces singlet oxygen, a mild oxidant, to destroy CB agents. Demonstrated the material traps & stores excess singlet oxygen during periods of sun & artificial light. Stored singlet oxygen is released to provide indoor & outdoor protection of 8+ hours during no light & dark periods. Further, no protection loss demonstrated in intense Arizona sunlight 39+ hours during 100+ degrees days. Completed FY07 Individual Protection (IP) ATD milestones. Started FY08 IP ACD&P phase & initiated nerve gas protection ATD for ACD&P in FY10 and will continue ACD&P effort in FY09. Technology: Sun or artificial light activates the decontaminating material to produce singlet oxygen, a mild, short-lived oxidant that effectively destroys chemical/nerve & biological agents. This long-lasting & durable capability for around-the-clock protection using sun or artificial light is the heart of the invention. Our FY10 request is prompted by the need for including nerve gas and nuclear decontamination capability. This will involve added-on tasks to the program in terms additional test and evaluation efforts. Nerve gas protection effort will address chemistry efforts and tests, nuclear protection disposable, absorbent materials.

Progress: (1) Mustard gas stimulant treated fabric tests demonstrated self-decontamination capability after exposure of 39 days to the intense AZ summer sun; (2) Kappler Provent fabric treated with VRC Decon Dye Coating demonstrated standard industrial practice can be used for first-article production of garments for breathability, field laundering, & durability testing; (3) VRC Decon Dye Coating showed no adverse effect upon Provent fabric's breathability, an essential Joint Service Lightweight Integrated Suit Technology (JSLIST) Ensemble requirement; (4) Airtight seam-bonding process demonstrated with Provent Fabric dyed with VRC Dye Coating enables standard protective suit manufacturing procedures eliminating protective coating application after suit completion, a more costly approach; (5) NMR & UV-Visible Spectroscopy showed Ventana Decon Dye Coating efficiently traps visible light-generated singlet oxygen in repeated release & oxidation a mustard gas & VX stimulant to decontaminated product in darkness; (6) UV-Visible Spectroscopy demonstrated to be a more cost-effective QA tool than conventional NMR inspection; (7) Live tests will be performed at the Defense Science & Technology Laboratory (distl), Proton Down, UK, during the week of April 27, 2009, additional tests are planned for 2Q09 & 3Q09. Samples have been provided to Dr. Stephen Lee, Chief Scientist, Ofc. Director U.S. Army

Research Office, for coordination & ITAR, export/import matters & permits.

The requested FY10 program under JPM-CBD's leadership addresses: (1) Perform ATDs on VRC Decon Dye coatings to add nerve gas & radiological agent (disposable garments & coatings) protection; (2) Conduct operational validity tests (ACD&P) of preselected Light-Activated CBNR Protective systems; (3) Continue pre-production of protection systems at Kappler & Ventana for several ACD&Ps of representative JLIST materials, components & suits & upgrade facilities to full production status.

Request as named in the report: Remote Monitoring and Troubleshooting (RMAT) Project

Requesting Member: ADERHOLT

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

Account or Provision: OP.N

Legal Name of Requesting Entity: Intergraph  
Address of Requesting Entity: 170 Graphics Drive, Madison, AL 35758

Description of Request: \$2,320,000 for RMAT will integrate with shipboard local control and monitoring systems by networking them together and providing secure shore-based remote monitoring of those systems in real time. Through the use of sensors, networks, and software-based controllers, RMAT will provide the means for monitoring and troubleshooting various shipboard systems that are vital to ship operations, and allow engineers from various shore-based locations to collaborate in a real-time secure environment. RMAT will enable faster response times and mitigation of damage caused by engineering casualties, blast, fire, flooding, and equipment malfunction. Implementation of RMAT will increase the level of sensor data fusion, situational awareness, and survivability of the ship, as well as its ability to successfully complete its mission. The change from analog systems and manual data collection will save thousands of man-hours every year. Without funding for this effort, a need will exist to continue maintenance of obsolete hardware-based control panels and large redundant watch-standing and damage control repair parties that rely on slow, outdated, and error producing control systems and information management techniques.

Request as named in the report: Transitioning Stretch Broken Carbon Fiber to Production Programs

Requesting Member: ADERHOLT

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

Account or Provision: RDT&E—Defense Army

Legal Name of Requesting Entity: Hexcel Corporation

Address of Requesting Entity: 3300 Mallard Fox Drive, Decatur, AL 35609

Description of Request: \$3,200,000 for composite structure on existing military aircraft has saved weight and reduced O&M costs. However, a solution to the high cost and unrealized weight benefits of these structures is badly needed. Studies done in conjunction with the major aircraft manufacturers show that while composite material properties predict a weight savings of about 50% is achievable, only about 10–20% is being realized in today's designs. The problem is that the composite materials that are currently available in the marketplace cannot be formed into the

complex geometries necessary to realize the true weight savings available. This results in pressure at the design stage to reduce the complexity of parts so they are more fabrication friendly. If the designer holds firm on the part complexity, automated fabrication techniques are often ruled out due to the challenges of forming complex geometries with these processes. The end result is added weight and cost to the structure. Stretch Broken Carbon Fiber (SBCF) technology affords more weight reduction opportunities than any other solution under evaluation by the DoD. SBCF product forms offer a pseudo plasticity akin to metals that makes the forming of complex geometries much easier. These products can be used in all of the automated composite processes currently being used by fabricators including fiber and tape placement and engineered textile approaches for fabricating net shape preforms used in resin infusion processes. The focus of this program will be two-fold. First, funding will be allocated to various composite part fabricators to develop robust processes to mold full size prototype parts with SBCF product forms. Second, funding will be allocated to generate a Mil-HdBk-17 approved database. Both tasks are necessary to take this technology into production.

Request as named in the report: Cooperative International Neuromuscular Research Group

Requesting Member: ADERHOLT

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

Account or Provision: RDT&E—Defense Army

Legal Name of Requesting Entity: Children's National Medical Center

Address of Requesting Entity: 111 Michigan Avenue, NW., Washington, DC 20010

Description of Request: \$3,280,000 for funds will be used for ongoing research and testing using molecular patches, to see if the same improvements experienced by dogs in clinical trials can be extended to humans with muscle damage. The funds will be used for ongoing research and testing using molecular patches, to see if the same improvements experienced by dogs in clinical trials can be extended to humans with muscle damage. This research benefits both warfighters (in terms of combating the effects of biological warfare attacks), and also potentially the civilian population who suffer from similar muscle tissue deterioration.

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## PRINCIPIA COLLEGE SOLAR CAR

### HON. JOHN SHIMKUS

OF ILLINOIS

IN THE HOUSE OF REPRESENTATIVES

Wednesday, December 16, 2009

Mr. SHIMKUS. Madam Speaker, I rise today to honor the achievements of the Principia College Solar Team at this year's Global Green Solar Challenge.

Thirty-two teams from around the world traveled to Darwin, Australia for a 3000 kilometer race across the Australian outback in solar powered cars. Only nine teams were able to finish the grueling challenge, included among them was this outstanding group from Elsah, Illinois. Principia's Ra7 finished seventh in the world in this year's race and third among American entries.

While other teams spent millions from corporate sponsorships, the Principia team spent less than \$180,000. The winner, Tokai University of Japan, was sponsored by Sharp Electronics, a leader in solar engineering. This year's runner-up was sponsored by the European Space Agency. When the race was over, Principia earned the Safety Award from race officials, their fourth overall and first in international competition.

I want to congratulate John Broere (Director of Engineering Science), Joe Ritter (Assistant Dean of Academics) and the members of the Principia College Solar Team on their outstanding achievement. Their efforts have done much in accelerating this exciting field of scientific exploration.

IN RECOGNITION OF DOROTHY  
BRYANT

**HON. IKE SKELTON**

OF MISSOURI

IN THE HOUSE OF REPRESENTATIVES

*Wednesday, December 16, 2009*

Mr. SKELTON. Madam Speaker, let me take this means to recognize Dorothy Bryant from my hometown of Lexington, Missouri. Mrs. Bryant will be retiring at the end of this year after thirty years of dedicated service to the Lafayette County Sheriffs Department.

Mrs. Bryant began working for the Sheriffs Department on January 21, 1980, and since then has worked for five different Sheriffs of Lafayette County. She has worked for the current Sheriff, Kerrick Alumbaugh, for nine of her thirty years. A loyal and dedicated employee, Mrs. Bryant has worked tirelessly to serve the residents of Lafayette County.

Madam Speaker, Dorothy Bryant has helped keep the people of Lafayette County safe for the past three decades. I trust that my fellow members of the House will join me in wishing her the very best in her well-earned retirement.

HONORING LARRY KELLNER,  
CHAIRMAN AND CHIEF EXECUTIVE  
OFFICER OF CONTINENTAL  
AIRLINES INC.

**HON. JOHN ABNEY CULBERSON**

OF TEXAS

IN THE HOUSE OF REPRESENTATIVES

*Wednesday, December 16, 2009*

Mr. CULBERSON. Madam Speaker, I rise today to honor Larry Kellner, chairman and chief executive officer of Continental Airlines Inc, the world's 5th largest airline. In May 2001, Larry Kellner was elected president of the airline and to the Board of Directors, and in March 2003, he was named president and chief operating officer. In December 2004, Mr. Kellner became chairman and chief executive officer, where he has promoted international growth at Continental Airlines and has fostered the company's unique culture, putting emphasis on strong internal communication and giving employees the tools to provide outstanding customer service.

Throughout Mr. Kellner's 14-year career at Continental, the company has won more awards for customer satisfaction than any other airline. In 2009, FORTUNE magazine

ranked Continental the No. 1 airline on their annual airline industry list of "Most Admired Global Companies" for the 6th consecutive year. Continental Airlines also employs 41,000 system-wide and nearly 12,000 in Houston, Texas.

Prior to joining Continental, Mr. Kellner was executive vice president and chief financial officer of American Savings Bank, owned by The Robert M. Bass Group. Prior to that, he was executive vice president and chief financial officer of The Koll Company, a private real estate investment and construction firm.

Kellner graduated magna cum laude with a bachelor of science in business administration from the University of South Carolina, where he served as Student Body President. In addition, the University of South Carolina presented him with the Distinguished Alumni Award in 1998.

Mr. Kellner is active in numerous community and civic organizations. He currently serves on the board of directors for Marriott International and the Air Transport Association. On the civic front, he is a member of the board of directors for the Methodist Hospital, YMCA of Greater Houston, the Greater Houston Partnership, the Spring Branch Education Foundation, and Central Houston, Inc., and is a member of the Boy Scouts of America National Executive Board. Mr. Kellner also serves on the advisory boards of the March of Dimes and Teach for America, and is on the development board of the University of Texas Health Science Center at Houston. He resides in Houston with his wife, Susan, and their four children.

After more than 14 years at Continental Airlines and 5 years as its CEO, Mr. Kellner will leave the company at the end of 2009 and will head Emerald Creek Group, LLC, a new private investment firm based in Houston.

Congratulations to Larry Kellner for his many achievements throughout his career at Continental Airlines and the best of luck in his future endeavors.

SHILOH MISSIONARY BAPTIST  
CHURCH 100TH ANNIVERSARY

**HON. JOHN SHIMKUS**

OF ILLINOIS

IN THE HOUSE OF REPRESENTATIVES

*Wednesday, December 16, 2009*

Mr. SHIMKUS. Madam Speaker, I rise today to honor Shiloh Missionary Baptist Church of Mount Vernon, Illinois for reaching the centennial milestone.

Shiloh Missionary Baptist Church opened in 1909 on Vaught Avenue in Mount Vernon and held services at the location throughout 1960's. After being sold, the congregation was unable to find a new location. Being unwilling to dissolve their tight-knit congregation, the Shiloh Missionary Baptist family held services at a member's home for years before acquiring property on Conger Avenue in Mount Vernon.

In spite of adversity, including a disastrous fire in 1999, Shiloh Missionary Baptist Church has held true to its mission in the community and has become a part of Mount Vernon. Its congregation continues its outreach ministry to troubled youths and many others in the community.

I want to join with the members of this House in congratulating Reverend Lawrence

James and the men and women of Shiloh Missionary Baptist Church on celebrating one hundred years of good works, to thank them for all they do for our community and to wish them another hundred years of success.

FREEDOM CAPTIVATES THE  
HUMAN SPIRIT

**HON. FRANK R. WOLF**

OF VIRGINIA

IN THE HOUSE OF REPRESENTATIVES

*Wednesday, December 16, 2009*

Mr. WOLF. Madam Speaker, last week I spoke at a moving exhibit at the Heritage Foundation which featured a collection of 50 paintings by Ukrainian artist and gulag survivor Nikolai Getman.

Mr. Getman spent eight years in a Siberian gulag. Following his harrowing experience he secretly undertook to chronicle his time in the Soviet forced labor system because he said he was "convinced that it was my duty to leave behind a testimony to the fate of the millions of prisoners who died and who should not be forgotten."

These 50 paintings are the fruit of 40 years of work on the part of Nikolai. They are a powerful testimony of one's man's triumph over totalitarianism. They ought not be relegated to the annals of history. While the Soviet Union no longer exists, those who seek to suppress freedom, be they in North Korea, China or Egypt, are still with us.

I submit my remarks from the Heritage Foundation event:

"Experience and the record had convinced me that communism is a form of totalitarianism, that its triumph means slavery to men wherever they fall under its sway, and spiritual night to the human mind and soul."

These words were spoken by famed Communist party member, Soviet spy and ultimate defector, Whitaker Chambers.

In testimony before the House Un-American Activities Committee, Chambers said that in spite of what he knew to be true of communism, he believed he was "leaving the winning side for the losing side" but that was "better to die on the losing side than to live under communism."

Of course we know that Chambers' fear proved to be untrue. That communism, as Ronald Reagan predicted, was destined for the "ash heap of history." That the gulags of that era, depicted before us tonight, were destined to be relics of the past.

Ronald Reagan modeled how to confront repressive regimes like the Soviet Union. He spoke truth to power. He boldly pressed the Soviets to respect the fundamental human rights of their own people. He raised the cases of dissidents by name.

He did this because of a fundamental belief that the US. constitution was a "covenant we have made not only with ourselves, but with all of mankind"

Reagan once said, "Coersion, after all, merely captures man. Freedom captivates him."

Indeed freedom captivates the human spirit and ultimately triumphs over tyranny whatever form it takes.