



ARMY ALLIANCE, INC.

ANNUAL
REPORT

JUNE 2004

KEEPING OUR FUTURE STRONG!

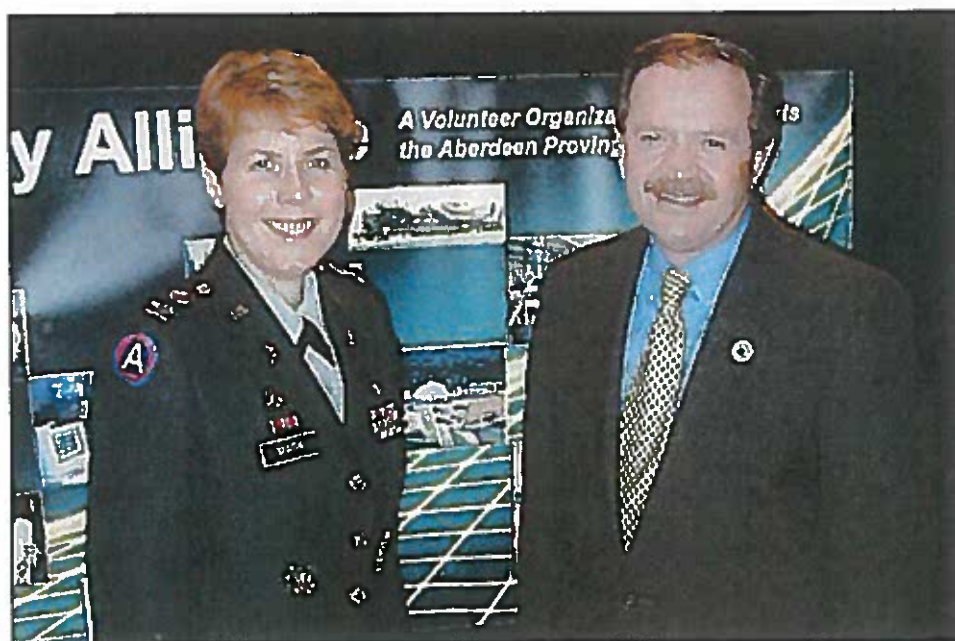


Purpose

The Army Alliance is a non-profit civic organization under Section 501 C (4) of the Internal Revenue Code. The overarching objective of the Alliance is the well being of programs and organizations at Aberdeen Proving Ground. Through the exchange of information and coordination of activities we hope to —

- ★ Maintain Aberdeen Proving Ground as an economic asset and resource to the northeastern Maryland region by supporting its organizations, programs, and missions.
- ★ Present a clear, coherent image of the technological assets of the Proving Ground and its value to the national defense.
- ★ Inform businesses and citizens of northeastern Maryland of the economic and cultural benefits of a strong military presence in the region.
- ★ Assist with the attraction of government and industry organizations to increase the economic viability of the Proving Ground.
- ★ Act as a coordinating body for various organizations, groups, clubs, and individuals who have similar interests in maintaining a healthy and stable Aberdeen Proving Ground.

We encourage you to contact the Army Alliance if you wish to support our efforts or if you have any questions concerning our goals and activities.



(L to R) Col. Mardi Mark, APG; James M. Harkins, Harford County Executive



The Nature of Alliance Business

This report is intended to serve as an annual overview and history, as a summary of activities for Alliance sponsors less involved in the program than the Board of Directors, and as a primer for those individuals and corporations who are not yet part of the Alliance community.

Alliance activities that directly support Aberdeen Proving Ground programs and organizations fall into two categories –

- **Major, generally long-term actions on matters that will have significant impact on the Proving Ground.** Examples of such efforts include our interest in the organization and location of Army test and evaluation organizations and readiness to ensure the Proving Ground fares well in the coming round of base realignment and closures. To provide a sense of scale, the potential impact of items in this category of effort is usually in terms of hundreds of jobs.

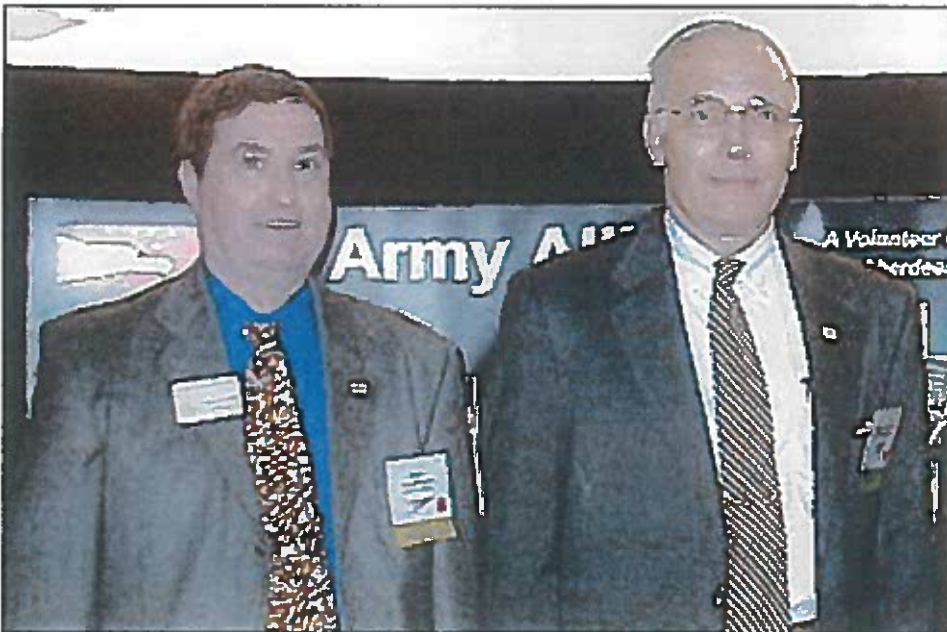
These actions usually take several years to reach conclusion. They invariably involve teaming with state and local organizations, and they all require repeated action by the Congressional delegation members and staff.

- **Actions that address the annual federal budget cycle, usually seeking funding for such things as the start-up, acceleration, or enhancement of programs and facilities.** These budget interests sustain the health of the Proving Ground infrastructure, and in a sense they "pay the rent" while we work the longer term, slower payoff issues. While the individual items often have a relatively small dollar value, collectively they can be quite significant in maintaining funding levels, jobs, and the organizational vitality that is necessary to assure the Proving Ground fares well in activities such as base realignment and closure. These efforts also serve to build relationships and maintain awareness of the Alliance while we work important, though less visible, long-term actions.

We begin the annual budget efforts in November of each year by having informal discussions with Proving Ground officials and others to collect ideas. Often federal action on the budget runs late and for many areas we must know the results on the current year budget before we can address initiatives for the coming year. We formally start the annual process in February or March by hosting a meeting of Congressional staff representatives. Following that, we select items to support based on several subjective criteria –

- the expected impact on the Proving Ground and the community
- the likelihood that the item would be funded in the absence of Alliance support
- the degree to which the Army has accomplished essential internal actions in support of the item
- the probability that our efforts will result in a successful outcome

For each of the items we select to support, the Alliance and Van Scoyoc Associates – who assist us in Washington – prepare a background paper of three to four pages for the Congressional delegation. In cases where the delegation staff request it, we also assist with the drafting of letters and the completion of required forms for our members of Congress to submit to the appropriations committees. As



(L to R) Doug Wilson, Mayor of Aberdeen; Wyatt H. Colclasure II, Vice President, Army Alliance

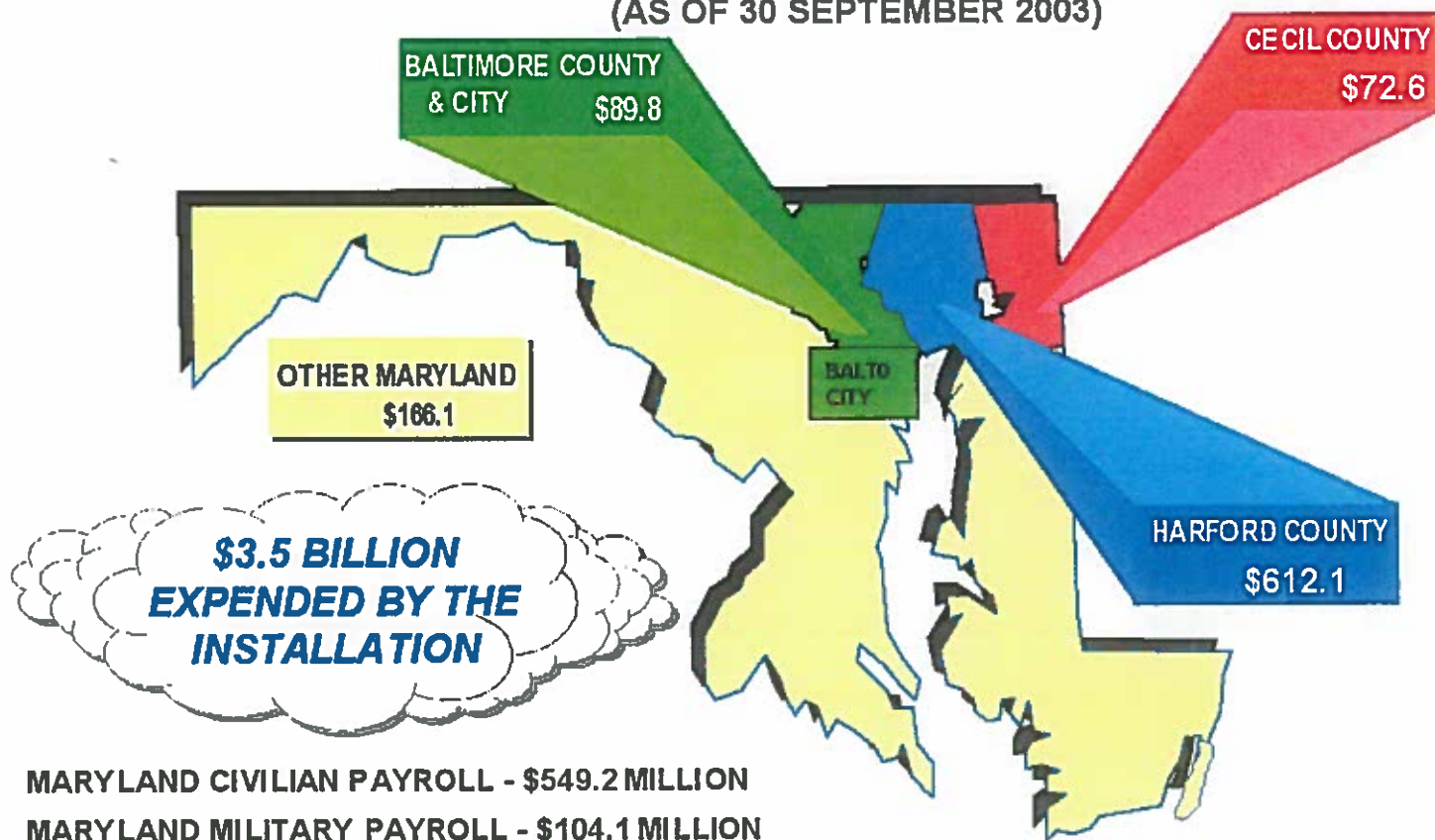


the budget process proceeds through the summer months we respond to questions from the delegation and budget committee staff.

Our close relationship with the members and staff of our Congressional delegation is our most valuable asset. We believe that relationship rests on a base of credibility, accessibility, and responsiveness. Maintaining our credibility means we can attempt support only for those proposals that have genuine merit and benefit the nation as a whole as well as our local interests.

The support of the Maryland Department of Business and Economic Development, the Harford and Cecil County governments, and the municipalities of Aberdeen, Bel Air, and Havre de Grace is essential to Alliance operations, and their cooperative, team relationship with the Proving Ground is a major factor in making our operations possible.

FY 03 ABERDEEN PROVING GROUND ECONOMIC IMPACT ON MARYLAND (AS OF 30 SEPTEMBER 2003)



MARYLAND CIVILIAN PAYROLL - \$549.2 MILLION
MARYLAND MILITARY PAYROLL - \$104.1 MILLION
CONTRACT DOLLARS AWARDED - \$287.3 MILLION
TOTAL IMPACT ON MARYLAND - \$940.6 MILLION



The Army Alliance 2004 – a Year of Change



Dr. Bill Richardson

As the Army Alliance begins its seventh year of supporting Aberdeen Proving Ground and its organizations, programs, and missions, we take note of both our successes and those areas where we have not yet succeeded. These are long term efforts and take continued work toward a grand vision. The vision, and much of this work, is directly attributed to Dr. Bill Richardson. As a Board member, and President for most of its existence, he has stimulated thought, communicated the vision, and worked hard to make the Alliance a success. The sole purpose of the Alliance is to support Aberdeen Proving Ground, and the Alliance judges its success by the strength of community support, favorable consideration of APG's funding requests, and increased interest in APG resources and activities from the business community.

Dr. Richardson has been steady, tireless, and effective in his efforts. He has engaged those in the political, business, and defense sectors. The Proving Ground, the community, and our nation's security have all shared the benefit. Dr. Richardson has described APG as The Army's Technology Center – A National Technology Asset. Aberdeen Proving Ground's superior reputation and high stature as a technology leader have been made better, and stand in tribute to his work.

This work includes the replication of the Alliance's efforts throughout the State of Maryland. In previous reports we noted that we had provided information or assistance to other Maryland communities, in their effort to establish Alliance-like activities. There are now five alliances in the state. The first was the Southern Maryland Naval Alliance, with focus on Patuxent River Naval Air Station; the Army Alliance came next. Now there are also the Indian Head Defense Alliance, the Fort Detrick Alliance, and the Maritime Technology Alliance, which supports the Carderock Division, Naval Surface Warfare Center, in West Bethesda, MD.

The Army Alliance received the Harford Award on September 24, 2003 from the sponsoring partners: Harford County Office of Economic Development, Harford Chamber of Commerce

and Harford Community College. This is a prestigious award, and we are grateful for the recognition and confidence in our activities. While it was awarded to the Alliance as an organization, it implicitly recognizes Bill's leadership. The Directors are grateful and wish him well in his future endeavors from his new home in Florida.

The Fiscal year 2004 Defense appropriation included four Alliance supported initiatives, providing a total of \$11.6 million for APG technology activities. There was also \$5 million for planning for the State Department's Center for Anti-terrorism and Security Training, or CAST. For FY2005 the Alliance is supporting initiatives which total \$109.8 million.

We continue work on our long term initiatives concerning the relocation of the Army Test and Evaluation Command (which has been an issue since 1999), and location of the headquarters of the new Research, Development and Engineering Command (RDECOM), which was officially established in March 2004. Both these issues are relegated to decisions to be made during the Base Realignment and Closure (BRAC) process. The Alliance will continue to support APG related interests by providing information and participating in related activities.

The Alliance does not work alone, and none of the successes above were accomplished solely because of Alliance activity. The Alliance will continue to coordinate its activities, in cooperation with others who have similar goals, for the benefit of Aberdeen Proving Ground. The following pages of this report describe the past year's effort, using that approach.

*The sole purpose
of the Army
Alliance is to
support Aberdeen
Proving Ground.*



Major Long-Term Actions

These activities involve work over a period of several years before coming to conclusion. Some must be addressed in the annual budget cycles, but others are solely matters of organization and location. These long-term actions represent the kind of effort that was most clearly envisioned for the Alliance when it was initiated.

Aberdeen Science and Math Academy.

In August 2004 the Aberdeen Science and Mathematics Academy will open its doors to the first 50 freshmen students representing all areas of Harford County. This will fulfill the vision that was presented to the Harford County Board of Education by the Army Alliance President, Dr. Bill Richardson. An Education Specification Committee had noted the urgent need to enhance the quality of mathematics and science instruction for high school students, and the need for an employment pool to fill future vacancies for technical

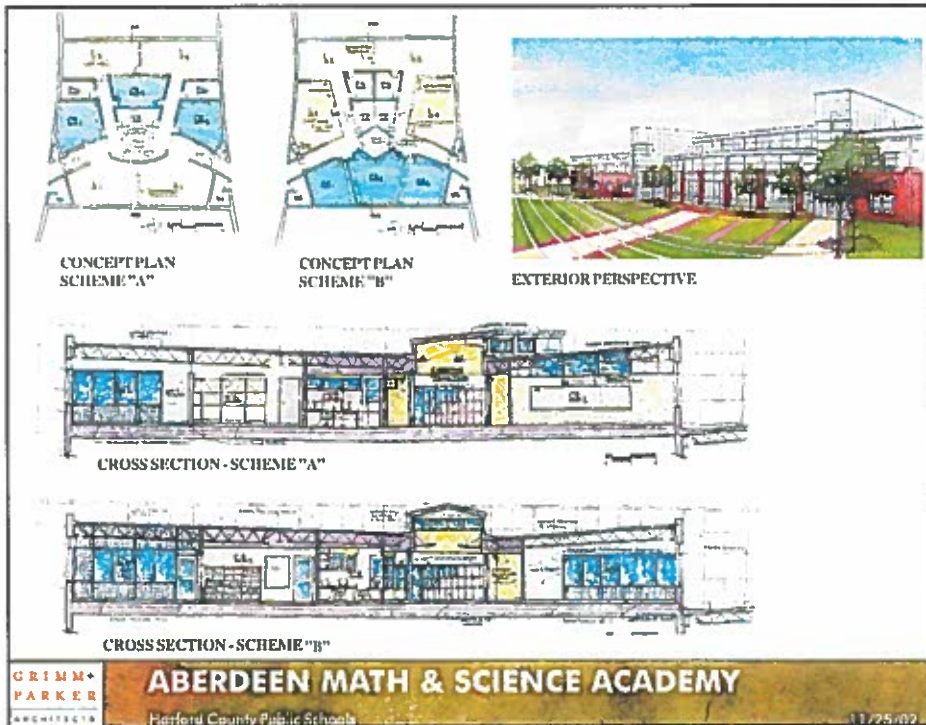
professional development. Several representatives of the Alliance have served on the Steering Committee that has brought the partnership between APG and the Harford County Public Schools to fruition. This partnership will provide a national prototype for science and mathematics magnet schools linked to the Department of Defense.

RDECOM Headquarters.

The Army Materiel Command established provisional headquarters of the new Research, Development and Engineering Command (RDECOM) headquarters in a 1 October 2003 ceremony at Aberdeen Proving Ground. The Army Materiel Command had a good rationale to locate the RDECOM headquarters at APG: a significant portion of the new command's assets are located here, manpower positions will be available for reuse with the disestablishment of the Soldier and Biological Chemical Command, and the Proving Ground is centrally located among the organizations the headquarters will oversee. Congressional delegations from six other states, particularly Alabama, continue to seek relocation of the headquarters. The permanent location of the RDECOM headquarters will ultimately be decided in the coming year through the Base Realignment and Closure 2005 process.

Integration and acceptance testing facility for the Advanced Amphibious Assault Vehicle (AAAV).

Organizations in ten regions competed to host General Dynamics' planned integration and acceptance testing facility for the Marine Corps' Advanced Amphibious Assault Vehicle, or AAAV. In April 2003, a 20-person proposal team that included Lieutenant Governor Steele, Congressman Ruppberger, Maryland Secretary for Business and Economic Development Melissaratos, and several members of the Congressional delegation staff met with General Dynamics at Fairfax, Virginia to deliver the oral presentation on the proposal. General Dynamics announced in August its decision to locate the testing facility in Prince William County, VA. Final negotiations have since stalled over environmental clean up costs, and General Dynamics has resumed consideration of remaining proposals from other locations. The APG AAAV team is reviewing options to continue pursuit of the testing facility. If the contract is awarded to the Proving Ground, it will result in a peak of about 400 additional high skill civilian and



positions at APG. The Alliance supported the concept of a magnet school program that leveraged the technology and expertise of APG. Through its efforts, a federal grant provided the seed money to design the high tech facility at Aberdeen High School. Continued emphasis by the Alliance resulted in an additional federal grant for high tech equipment and teacher



The fiscal year 2004 Omnibus Appropriations bill, which passed the Senate on January 20, 2004, included \$5 million to establish and begin operations of CAST at APG.

government positions and a capital investment of more than \$200 million for a program that could extend over 35 years. The effort invested in seeking the testing facility has been an extraordinary training tool on teaming and innovative means of doing business.

Location of Army Test and Evaluation Command (ATEC) Headquarters.

As far back as 1999, the Alliance sought the relocation of ATEC headquarters from leased space in Alexandria, VA, to Aberdeen Proving Ground. We were unsuccessful, in that the Secretary of the Army at that time issued a decision that the headquarters would remain in Alexandria. The ATEC headquarters is now seeking relocation to gain the security provided by a large military installation. They have requested construction of a \$32 million headquarters facility at Fort Belvoir in the fiscal year 2007 budget. We have assembled information demonstrating that the headquarters could be moved into existing facilities at APG within 17 months and with a savings of \$23.3 million in lease fees and construction costs. Relocation to the Proving Ground would also create an opportunity to establish a focused, efficient center of testing and evaluation excellence at APG. Co-located with the headquarters is one-half of one of the ATEC subordinate commands, the Army Evaluation Center, with the other half, about 150 people, located at Aberdeen Proving Ground. As there is no middle ground on this matter – APG will either gain or lose a significant number of manpower positions and the momentum of an improved Army testing organization – the Alliance and the Congressional

delegation are intensely interested in the outcome. Our present understanding is that the ATEC location decision, as with the RDE Command, will be made as a part of base realignment and closure deliberations in 2005.

State Department Counter-Terrorism and Security Training (CAST) Center.

The Antiterrorism Assistance Agency of the State Department conducts training for police and security personnel of other nations. Presently that training is conducted at seven sites across the US, and growth in requirements for the training exceeds their capacity. The Agency plans to establish a dedicated center, involving a staff

and faculty of about 200 and 7500 students each year. The Alliance has assisted State Department officials in becoming familiar with the Proving Ground and has supported the Congressional delegation in attempting to secure funding for the facility.

Senator Barbara A. Mikulski (D-MD) and Senator Paul Sarbanes (D-MD) announced January 26, 2004 that they secured \$5 million in federal funding to establish the Center for Anti-terrorism and Security Training (CAST) in Maryland. The fiscal year 2004 Omnibus Appropriations bill, which passed the Senate on January 20, 2004, included \$5 million to establish and begin operations of CAST at APG. Additional funding will be needed in future years to build the major facilities planned for CAST.

Base Realignment and Closure (BRAC).

The BRAC 2005 process is on schedule. With the release of BRAC evaluation criteria in February 2004, installations are providing information. Indications that the location of the RDE Command and ATEC headquarters will be determined as a part of the BRAC process are sufficient to make BRAC a major interest item for Aberdeen Proving Ground. BRAC planning has been less visible during Operation Iraqi Freedom, but as preparations become more intense we expect other significant possibilities for gains and losses to be identified. State and local governments across the country are allocating unprecedented funding to what might be called BRAC defense, and we expect base realignment and closure to be a significant part of the national environment in 2004.





Legislative Interests for Federal Fiscal Year 2005

The Alliance is supporting an unprecedented number of initiatives for possible funding in the fiscal year 2005 budget. In part this is due to the inclusion of several items for which partial funding was provided in earlier years and continuation funding is needed to bring the projects to conclusion. It also reflects the impact of an expanded Alliance board, with more board members who are familiar with the detailed needs of APG organizations. As in FY 2003, the fiscal 2004 budget was completed late in February. However, due to the ongoing war effort, no supplemental budget was projected for discretionary projects. Therefore, this year, unlike last, we were required to make the difficult decisions to down-select to fewer items. This reduced number of candidates does not necessarily mean more items will be funded – e.g., for the military construction program we will feel successful if one of our two projects is

funded – although it still allows the delegation choices on where to place their support among credible, vetted needs.

As in FY04 our FY 05 interests span four of the 13 budget areas that make up the federal budget. They are briefly summarized in the following paragraphs and accompanying tables. Note that we provided two sets of complementary but not identical papers. The first goes to our congressional delegation and represents those projects that present the best opportunity for funding in the FY05 budget. The second goes to the State of Maryland and will feed into the Governor's legislative priorities. This set also includes several projects that, while important to APG and the state, are not appropriate for submission as a funding request in the formal budget process.

CONGRESSIONAL DELEGATION PAPERS

Center for Antiterrorism and Security Training (CAST)	\$47.0M
LISA Inspector-Handheld CB Agent Sensor	\$6.5M
Spinel Tactical Armor Manufacturing Technology	\$6.0M
Biomanufacturing cGMP Upgrade	\$1.0M
Knowledge Management Center of Excellence (w/Morgan State University)	\$10.0M
NBC Survivability Analysis at ARL/APG	\$5.0M
Rotorcraft Survivability Assessment Facility	\$5.5M
Joint Warfighter Test & Training Capability	\$12.0M
Army-Supported Science & Math Academy	\$1.3M
Chemical, Biological & Radiological Sample Receipt Facility	\$13.0M
Information Science & Supercomputing Center	\$2.5M
TOTAL:	\$109.8M

STATE OF MARYLAND PAPERS

Center for Antiterrorism and Security Training (CAST)	\$47.0M
LISA Handheld Inspector-CB Agent Sensor	\$6.5M
Spinel Tactical Armor Manufacturing Technology	\$6.0M
NBC Survivability Analysis at ARL/APG	\$5.0M
Rotorcraft Survivability Assessment Facility	\$5.5M
Joint Warfighter Test & Training Capability	\$12.0M
Army-Supported Science & Math Academy	\$1.3M
Chemical, Biological & Radiological Sample Receipt Facility	\$13.0M
Information Science & Supercomputing Center	\$2.5M
SUNDSSEN	\$9.8M
Force Protection Gates—APG	\$14.8M
Location of ATEC HQ	
Location of RDECOM HQ	
TOTAL:	\$123.4M



*LISA-Inspector—
A revolutionary
new threat agent
sensing capability
for joint military
and homeland
security applications.*

Commerce, State and Justice budget.

- **Center for Anti-Terrorism and Security Training (CAST), \$47 million.** Seed money of \$5 million was provided in the FDY04 budget. The residual is requested in FY05. We continue to believe the best means to fund the State Department's CAST facility would be an enhanced use leasing approach that would require no (or significantly reduced) up-front investment by the government. On the possibility that avenue is not taken, and considering the investment of effort and political capital the delegation has already made in CAST, the option of supporting the project for full funding in FY05 is being retained.

National Defense budget.

- **LISA-Inspector, a Transportable Chemical and Biological Agent Sensor, \$6.5million.** The LISA (Laser Interrogation of Surface Agents) is intended to provide standoff detection and identification of chemical warfare agents for Chemical Biological reconnaissance systems. Fiscal year 2003 funding of \$2.7 million was used to develop a prototype system, which was successful at speeds up to 32 mph. This new project will begin development of a 2-person transportable version called LISA-Inspector to provide real-time screening and inspection, especially well suited to homeland defense/ security scenarios. Examples of uses would be as a portal inspection device at facility and installation entrances or as a conveyor-based sensor for baggage and mail. ITT Industries has committed to placing a manufacturing facility in the APG area if the program is successfully completed.
- **Spinel Tactical Armor Manufacturing Technology, \$6.0 million.** A total of \$6 million is requested in the FY 05 Department of Defense Authorization and Appropriations bills to support further development of optically transparent materials for use in windows and missile domes. This funding will also support a major technology transfer initiative at the Army Research Laboratory at Aberdeen Proving Ground. The military needs laser and optically transparent material that is hardened (armor quality) and has reasonable cost. Such a material is needed for windows and lenses, especially the domes that protect missile sensors. The combination of extreme hardness and high broadband transmission from the UV through to the mid-

wave IR wave lengths, coupled with the potential for substantially lower production costs, has made newly developed "Spinel" armor the material of choice for the Multi-Service Joint Common Missile. There is only one small U.S. company (Technology Assessment and Transfer, Inc., Annapolis, MD) which produces optical quality Spinel.

- **Biomanufacturing cGMP Upgrade, Edgewood CB Center, \$1 million.** This funding is needed to bring the Edgewood Chemical and Biological Center's biomanufacturing facility into compliance with the Food and Drug Administration's "current Good Manufacturing Practices" (cGMP) guidelines in order to produce critical biotechnology products for Department of Defense and Department of Homeland Security requirements. A cGMP-qualified facility would allow the production of biotechnology products needed by the defense medical community as well as the quantities of materials needed for Phase I and Phase II clinical trials. This latter capability is crucial because both DOD's medical defense and commercial biotechnology companies are finding it extremely difficult to secure cGMP manufacturing services, which severely delays product availability.
- **Continuation of Morgan State University/ Army Research Laboratory Knowledge Management Center, \$10 million.** Another FY04 carry-over, this funding would provide for the continuing operation of the Army Knowledge Fusion Center at the Army Research Laboratory and the associated Army Knowledge Management Center of Excellence located at Morgan State University. The Army vision for its Objective Force is to have the capability to put combat forces anywhere in the world within 96 hours after liftoff. This objective force will be a fully mobile, fully-communicating, agile, and situation-aware lightweight force that is dependent on inter-netted command, control, communications, computers, intelligence, surveillance, and reconnaissance. This highly mobile future force has an increased need for advanced Information protection tools and techniques to ensure survivability in a forward-deployed, energy-constrained, bandwidth-constrained, and hostile mobile environment. The program was initiated during the past year with funding supported by the Alliance and the Congressional delegation. This additional



*NBC Survivability/
Vulnerability
Analysis funding is
being requested
for testing and
analysis critical
to supporting the
fielding of military
systems that can
survive the effects
of nuclear,
biological and
chemical weapons.*

funding will ensure effective and efficient research, development, test and evaluation and deployment of knowledge management technologies on the battlefield, in homeland defense, and throughout the Army.

- **NBC Survivability/Vulnerability Analysis, Army Research Lab, \$5 million.** This funding is being requested for testing and analysis critical to supporting the fielding of military systems that can survive the effects of nuclear (blast, electromagnetic pulse), biological (toxic effects) and chemical (toxic effects, corrosive material effects) weapons. Without this effort the Army risks fielding systems that will not survive an NBC attack and will put soldiers' lives at risk. Army Regulation 70-75 requires that NBC survivability be a part of the formal requirements documents for all equipment that is considered to be mission critical. In the absence of adequate test data or analysis, the requirement is often waived or by-passed. Currently the Army has hundreds of systems in development that require NBC survivability assessment. Without adequate resources, only a few of the highest priority systems will be addressed. In addition to funding for this program, at the suggestion of a member of the Congressional delegation staff the Alliance is exploring the possibility of statutory language that would require greater attention to NBC survivability.

- **Rotorcraft Survivability Assessment Facility, \$5.5 million.** Given recent events involving attacks on U.S. helicopters an urgent need exists within the Department of the Defense and the Army for a unified national laboratory capability to conduct rotorcraft research and testing in a highly controlled, efficient and effective manner. Previous funding has supported the development of the preliminary design for this effort. FY 2005 funding is needed to finalize the design and complete the fabrication and the construction of the experimental facility. Therefore, \$5.5M is required to complete the construction of the Rotorcraft Survivability Assessment Facility. The Department of Defense has not included this funding in its FY05 budget planning. Army aviation system planners, developers and users rely on the Army Research Laboratory's Survivability/Lethality Analysis Directorate (SLAD) to provide accurate/timely analyses of rotary-wing aircraft combat vulnerability and air defense munitions lethality. Recent worldwide events have added emphasis on understanding the vulnerability of U.S. helicopters to a variety of threat munitions. The proposed research facility will provide new and improved capabilities for conducting ballistic vulnerability/lethality research on modern Army and other U.S. service and foreign threat rotary-wing aircraft and air-defense munitions for new system development and in-service product improvements.



- **Joint Warfighter Test and Training Capability, \$2 million.** Funding is requested to initiate engineering, planning, design, development, site preparation and installation of a Joint Warfighter Test and Training Capability (formerly called Human Effects Research, Development, Test and Evaluation (RDT&E) Center) at Aberdeen Proving Ground. There exists an urgent national security requirement to conduct RDT&E associated with the prevention, mitigation and treatment of human injury associated with blast, ballistic and shock threats. The current War on Terrorism, the increasing threat from asymmetric weapons and tactics, and the proliferation of cheap – but lethal – weapons, has greatly increased the need for this capability. One other area of great concern are the injuries associated with the collapse of a structure due to the blast from a near proximity bomb, i.e., a vehicular bomb or some other form of terrorist/asymmetric



weapon. Preliminary testing has been conducted in this area; however, there is still a great need to establish the potential injuries and injury mechanisms relating to this environment. Past development of protective equipment has lacked the current advances in medical and biomechanical knowledge and research techniques.

Labor, Health and Education budget.

- **Additional Funding for the Science and Math Academy, \$1.3 million.** This is a carry-over from FY04. We sought \$2 million in the FY03 budget for technology to go into the magnet program, and slightly less than \$700,000 was provided. With the encouragement of the Congressional staff, we are soliciting consideration of the balance needed.

Military Construction budget.

- **Sample Receipt Facility, Edgewood Chemical Biological Center, \$13 million.** This is another carry-over from FY04. The situation regarding possible terrorist attacks has, if anything, gotten worse in the wake of the war on terror. The number of suspect chemical and biological agent samples that must be analyzed has greatly expanded, and even a single suspected large-scale agent release would result in thousands of samples that must be analyzed and identified. To cope with the workload that presents, a modern facility using robotic systems is needed to inactivate the samples, make them safe for analysis in analytical laboratories, and archive them for forensic and law enforcement purposes. As this is written chemists at the Edgewood center are engaged in analyzing samples from Iraq. This facility would also replace an aging "chemical transfer facility" that is the only source for chemical agent reference standards used throughout the country in developing chemical agent protection equipment and procedures. The foundation of the facility is crumbling due to water seepage, and in recent years \$3 million has been spent to remedy the problem, without success. It is in the budget for FY06, but that will not meet the need as the current facility may not be able to operate at full capacity that long. Acceleration of the funding for an FY05 start is necessary to ensure continuous operations are maintained. Because of that and the area of work it addresses, we suspect it has the best chance among our MILCON proposals for FY05 funding.

- **Information Science and Supercomputer Center, Army Research Lab, \$2.5 million.** Another carry-over from FY04, this request has been reduced to \$2.5 million. This will permit the initiation of project planning and design. The Army Research Laboratory contingent at APG has one of the world's largest supercomputers, but it is housed in facilities that date to before 1965. The ARL has been seeking a modern facility for more than ten years, but each year it has slipped further into the future. Both the computing capability and the space to house it are saturated. Two roles of the APG computing activity illustrate its importance: it is the only Department of Defense supercomputer used for processing classified information, and an important role of the staff is intrusion detection for a significant portion of the DOD computer networks.

State of Maryland Papers.

- **Small Unit Distributed Simulation Environment (SUNDSSEN), \$9.8 million.** This will enhance the capability of the current simulation environment for the individual combatant, in order to achieve high fidelity and full immersion simulation for distributed small units. Current national and international security issues demand unprecedented efforts to develop distributed, human-in-the-loop simulations to research the impact of individual combatant techniques, tactics, and procedures using integrated technologies on team performance and mission effectiveness. The SUNDSSEN is envisioned as a network of state-of-the-art, fully immersive (3-D audio, 3-D video, and omnidirectional locomotion) simulators for dismounted combatants. SUNDSSEN at Aberdeen Proving Ground, MD will be a fully networked and interoperable simulation environment with the Aberdeen Test Center, APG, MD; the Dismounted Battlespace Battle Lab (DBBL), Ft. Benning, GA; and the Program Executive Office for Simulation Training and Instrumentation (PEO STRI), Orlando, FL in order to leverage each organization's expertise to address issues of technology integration for the Future Force.
- **Anti-Terrorism/Force Protection/Gates System-APG, \$14.8 million.** This project addresses gate and security deficiencies at APG, which have limitations and liabilities that impair adequate observation, inspection, and prevention of security threats. Many of



the improvements being recommended were not needed prior to 911, but the increase in threat levels has created new anti-terrorism/force protection standards that cannot be met with the current facilities. Temporary measures in use to meet the standards are inefficient and result in traffic backups and lost time, make snow removal difficult and do not allow separate inspection areas for trucks. Some of the gates contain inadequate perimeter barriers. The project will provide active and passive barriers, reinforced wall barriers, truck canopies, new lighting, variable message sign and other signage, control barrier gates, electronic gate arms, sliding electric gates, planter barriers and rumble strips. The project will also construct truck inspection pits and scales, visitor centers, guardhouses, and guard booths. This will also result in better access to the post for civilian visitors.

- **Location of HQ Army Test & Evaluation Command (ATEC).** The headquarters of the Army Test and Evaluation Command (ATEC) and its subordinate Army Evaluation Center (one half of AEC is co-located with the headquarters, the other half is at Aberdeen Proving Ground) will be relocated from leased space in Alexandria, VA, to either Fort Belvoir or APG. Relocation to APG would save \$25-30 million compared to relocation to Belvoir and achieve a number of other desirable outcomes. In 2002 the Secretary of the Army made a "decision in principle" to relocate the headquarters to APG and consolidate it with the Developmental Test Command already located at APG. We would like to work with the Maryland Congressional delegation to finalize this matter with the relocation of ATEC and AEC to the Proving Ground. The delegation should particularly guard against the possibility of the Army opting to allocate ATEC to one state and the new Research, Development and Engineering Command (RDE COM) to another as a response to political considerations. Relocation of ATEC to Fort Belvoir requires construction of a new building at an estimated cost of \$15 million plus \$2.3 million a year for the four-six years until funding is obtained and the facility completed.

- **Location of the HQ for the US Army Research, Development & Engineering Command (RDECOM).** This action requires no new authorization or funding appropriation. The relative merits of potential sites favors APG, but there has been significant pressure from the Congressional delegations of Virginia, New Jersey, and particularly Alabama. Recently, retired Lt. Gen. James Link (former commander, Redstone Arsenal) has drafted a "target list" of military programs around the United States that he would like to see moved to Redstone Arsenal during the next round of base closures and consolidations. This includes RDECOM. It seems likely the Secretary of the Army will ultimately make the location decision. The Maryland Congressional delegation should express to the Secretary their support for location of the command at APG. The delegation should particularly guard against the possibility of this organization being traded off to another state simply as a means of balancing political demands. The headquarters of the Soldier, Biological and Chemical Command, or SBCCOM, at APG has been disestablished. A new headquarters, the RDECOM, has been provisionally established in its place at APG. It includes six research, development and engineering centers, the Army Research Laboratory (ARL), the Army Materiel Systems Analysis Activity (AMSAA), and various smaller organizations.

All of these requirements are solidly in the best interest of the nation and the Proving Ground – and all of them will significantly enhance the technology base of the region.



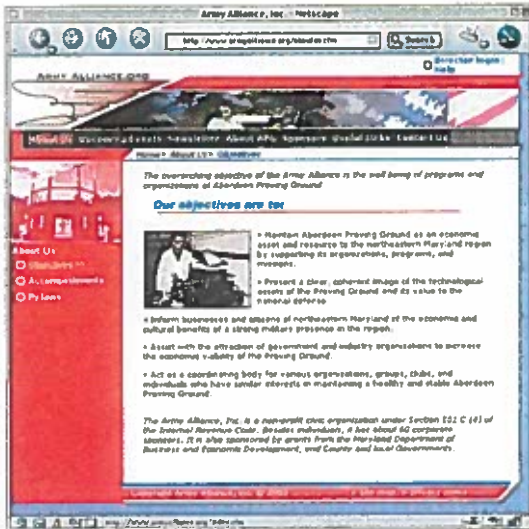
Other Alliance Activities and Partnering

In addition to initiatives that directly influence the well being of the Proving Ground, the Alliance performs a variety of supporting activities essential to our mission. Some representative examples are –

- **State of Maryland federal priorities.** Each year the Maryland Department of Business and Economic Development gives the Alliance the opportunity to nominate issues for the State of Maryland list of priorities for federal legislative activity. That annual list and the accompanying background papers are used by the governor's Washington office in addressing state legislative interests, and the governor and other state officials lend their support to items in the package. This year the Alliance submitted ten items to the State. Nine of them dealt directly with APG; the tenth supported the Aberdeen Science and Math Academy.
- **Maryland Military Strategic Planning Council.** The Alliance continues to work with this group to create community awareness about the Base Realignment and Closure Act in 2005. The state department leaders, presidents of state military alliances, congressional staffers and similar organizations

- **Alliance website.** A committee of Alliance board members has established an Alliance website. It is identified as www.armyalliance.org, which has private as well as public areas to facilitate the coordination of sensitive matters within the organization without revealing them to competing enterprises. The sponsors' section permits the inclusion of descriptive paragraphs and contact information for Alliance corporate sponsors.

meet across the state. The Army Alliance and Office of Economic Development hosted the Maryland Military Strategic Planning Council as part of their community outreach for Harford and Cecil Counties in March 2004. Representatives from each municipality, Harford and Cecil County Governments, Harford County Chamber of Commerce and other like organizations met with key State of Maryland department heads.



www.armyalliance.org



Financial Matters

The Alliance is clearly in the information business: we gather, consolidate, package, coordinate, and exchange information. In order to be successful we must constantly acquire information and provide it to those who can act on it to the benefit of Aberdeen Proving Ground. This effort is continual and involves considerable expense.

We are fortunate that the amount of financial assistance we receive allows us to accomplish our mission in an effective manner. During the past year we received revenues amounting to approximately \$200,000, of which 95 per cent was in the form of grants from the State of Maryland, Harford and Cecil Counties, Aberdeen, and Havre de Grace. The remaining Alliance income was in the form of contribu-

tions from the business community and individuals. Our largest category of expense, over \$175,000 was for gathering, packaging, and distributing information. That funding supports two major contracts for educational services in the Washington area that serve as a conduit for information among the Alliance, the Pentagon and the Congress. An additional contract provides professional guidance and executive services between the Alliance and the educational contractors. Only two per cent of our expenses are for administration.

The Alliance board of directors, who are also individual sponsors, provide most of the interface with Proving Ground organizations and much of the administrative effort, perform their work without payment.

Success & Change

For the Proving Ground, the 2003-2004 has been a year when Operation Iraqi Freedom continues to place ongoing demands on Proving Ground organizations. For the Alliance, we have assisted other similar Alliances in their set up of organizations and continue to work closely with the Maryland Department of Business and Economic Development in support of the Proving Ground's needs.

As a volunteer Board, we have had to delegate much of our activity and learn new processes. As we close out the 2003-2004 year of Alliance operation, some observations are—

- Our positive experience continues in dealing with our expanded Congressional delegation:

Senators Sarbanes and Mikulski; and Congressmen Bartlett, Gilchrest, and Ruppertsberger. It has been impressive to see the interest, responsiveness, and cordiality of all the delegation members and their staff working together to represent the needs of Aberdeen Proving Ground. The Alliance also honors the memory of Ms. Shirley Stoyer,

who had served as a staff representative for Congressman Gilchrest and who also worked

for the former Congressman and now Governor Ehrlich. Ms. Stoyer will truly be missed by the members of the Army Alliance.

- With the guidance that the locations for the RDE Command and the headquarters of the Army Test and Evaluation Command will be determined as a part of the BRAC process, we need no additional reasons to view the outcome of BRAC 2005 as crucial to the future of APG. We feel certain, however, that there will be additional major decisions impacting us, and we believe the odds favor gains rather than losses.
- Proving Ground personnel are continuing to work at partnering activities with civilian developers and industry for the best use of installation real property assets and reduction of base operations costs. This trend bodes well for growth at the installation and favorable outcomes in BRAC.

We believe events of the next few years will determine the future of Aberdeen Proving Ground for decades. Our role in shaping those events depends on competency, credibility, and availability. In return for the continuing support of our granting agencies and our corporate and individual sponsors, we cannot promise a success every time, but we can promise our best effort to maintain and direct those attributes toward the well being of Aberdeen Proving Ground and the economic development of Northeastern Maryland.



(L to R) Warren Mullins, Battelle; Mike Hayes, Maryland Department of Business & Economic Development; Barney Michel, EAI; Aris Melissaratos, Secretary, Maryland Department of Business & Economic Development



ARMY ALLIANCE, INC.

Alliance Support

Financial support of the Army Alliance is open for participation by any person or organization that supports our goals and objectives. Our contribution levels allow all interested parties to participate to the extent of their ability.

Contributions to the Alliance are not deductible for tax purposes as charitable contributions, but may be submitted as a business expense.

The contribution categories are as follows.

☆☆☆☆
SPONSOR

\$2,500 or more annually

☆☆☆
SPONSOR

\$1,000 or more annually

☆☆
SPONSOR

\$250 or more annually

☆
SPONSOR

\$50 or more annually *

**Open only to individuals*

Granting Agencies

The Alliance receives funding support from five government agencies. The following organizations have supported the Alliance's efforts in many ways, including extensive personnel assistance in addition to significant financial grants.

Maryland Department of Business and Economic Development

Harford County Government

Cecil County Government

City of Aberdeen

City of Havre de Grace



Corporate Sponsors

Financial assistance from our corporate sponsors, together with grants from our supporting government organizations, is essential to the existence of the Alliance. In addition to financial assistance, several of our corporate sponsors demonstrate their commitment to the success of the organization with supplies, manpower, and facilities. This corporate support is essential not only from a financial standpoint, but also as evidence that Alliance activities represent the interests of the region.

☆☆☆☆ SPONSORS

Battelle Eastern Science
Technology (BEST) Center
Dynamic Science, Inc.

EAI Corporation
ITT Industries
Jacobs Sverdrup

MTS Systems, Inc.
Northrop Grumman IT
SAIC

☆☆☆ SPONSORS

TRI-S Incorporated

☆☆ SPONSORS

APG Federal Credit Union
Applied Research Associates
ATK Tactical Systems Company, LLC
Bechtel National, Inc.
Booz Allen Hamilton
Boyle Buick
Cox Real Estate
Delta Graphics & Communications
Four Points Sheraton
Harford Bank
Harford County Association of Realtors, Inc.

Harford County Board of Education
Hess Hotel Groups
Maryland Technology Development
Corporation (TEDCO)
OptiMetrics, Inc.
ORSA Corporation
SciTech Services
Slavie Federal Savings Bank
Smiths Detection
SURVICE Engineering Company
University of Maryland

☆ INDIVIDUAL SPONSORS

Individual sponsors are an important component of the Alliance in that their participation serves as a measure and illustration of the breadth of community support for our objectives.

Roy Albert
Ron Benfield
Alan Benton
Franklin M. Bradley
Joe Brooks
Roger F. Brown
Bryan Buckland
Denise Carnaggio
John Carrico
Eugene C. Chandler
Veronica L. Chenowith
Wyett H. Colclasure II
Andrew G. Ellis
George J. Englesson

Dean Ertwine
Larry Harris
Joseph Huber
Robert L. Johnson
Steven Hugg
James C. Kelton
John W. Kiesel
James F. LaCalle
Jenny Leonard
Barney Michel
Raymond G. Pollard III
Doris Powers
Wally Quintrell
Arend H. "Pete" Reid

Bill Richardson
Mike Ritondo
Wilson R. Rutherford III
Mark Schlottman
Donnell "Beetle" Smith
Charles Solloway
Larry Sowa
Joe Swisher
Paul A. Tennant
Joe Traino
Raymond "Tim" Wittig
William Yeakel



ARMY ALLIANCE, INC.

Army Alliance 2003-2004 Leadership

The members of the Alliance board of directors are elected to three-year terms at the annual dinner meeting in June of each year. Following that meeting the board elects its officers to annual, renewable terms. In keeping with his long-stated intention, Dr. Bill Richardson is stepping down as the Alliance President this year.

This promises to be a year of transition for the Board. We anticipate electing up to six new directors this year, in addition to the four directors who are standing for reelection.

BOARD OF DIRECTORS

Bill Richardson (President)

Wyett Colclasure (Vice President)

Denise Carnaggio (Secretary)

Robert L. Johnson (Treasurer)

Alan Benton

Bryan Buckland

John Carrico

Andrew G. Ellis

Dean Ertwine

Larry Harris

Joseph E. Huber

Jenny Leonard

Barney Michel

C. Warren Mullins

Wally Quintrell

Arend H. Reid

David C. Robinson

Wilson R. Rutherford III

William B. Seccurro

Bill Yeakel

LIAISON

BG J.M. "Mike" Hayes USMC (Ret)



This publication was funded in part by the Maryland Department of Business and Economic Development.



ARMY ALLIANCE, INC.

1201 TECHNOLOGY DRIVE ★ ABERDEEN, MD 21001

410.638.2511 ★ FAX 410.638.2514

WWW.ARMYALLIANCE.ORG