

Commands change on installation

Col. John P. Rooney assumes command of ATC

Susan Hagan (ATSS)
ATC

In a change of command and retirement ceremony on June 21, Col. John P. Rooney assumed command of the U.S. Army Aberdeen Test Center, accepting the organizational colors from Col. Mary K. Brown, outgoing commander.

"We are here to conduct a long standing Army tradition – passing the guidon from one commander to another," said Brig. Gen. Michael Combest, commander of the U.S. Army Developmental Test Command and host for the ceremony. "It is an important occasion because it formally marks the closing of one chapter of this outstanding organization, Aberdeen Test Center, and opens another. It also allows us an opportunity to recognize the contributions of two great Soldiers."

To begin the ceremony, Chaplain (Capt.) Yun Kim gave the invocation. Following the invocation, two of ATC's Soldiers presented Mary Cahill, Brown's mother, with a bouquet of flowers as an expression of Brown's gratitude for her mother's love and support over the years.

Rooney's wife, Kathleen Rooney, was presented with a bouquet of yellow roses welcoming her to the ATC family.

The official party, consisting of Combest, Brown and Rooney, arrived in an M998 High Mobility Multipurpose Wheeled Vehicle

equipped with a U.S. Army Research Laboratory add-on-armor kit.

Following an 11-gun salute by the salute battery from the U.S. Army Mechanical Maintenance School, and rendition of honors and the national anthem by the 389th Army Band (AMC's Own), Sgt. 1st Class Richard Morgan, the senior enlisted Soldier and keeper of the colors, passed them to Brown for the last time. Brown then passed them to Combest, symbolizing the relinquishment of command responsibility. Combest passed the colors to Rooney, who, in accepting them, assumed responsibility for mission accomplishment and the welfare of his Soldiers, civilians, and family members. Rooney then entrusted the colors back to Morgan.

When the change of command was complete, Combest presented Brown with a retirement certificate, signed by Gen. Peter J. Schoemaker, U.S. Army Chief of Staff, and a certificate of appreciation signed by President George Bush. Brown also received the Legion of Merit award, signed by Brig. Gen. James R. Myles, commander, U.S. Army Test and Evaluation Command, for exceptionally meritorious service during her career.

Brown's husband, Brig. Gen. Mark Brown, received a certificate of appreciation signed by

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Photo by ERIKA JORDAN

Brig. Gen. Michael Combest, DTC commander, left, passes the ATC organizational colors to Col. John Rooney, incoming commander, during the change of command and retirement ceremony June 21.

143rd Ordnance Battalion change of command 'bitter sweet'



Incoming 143rd Ordnance Battalion commander Lt. Col. Linwood Clark Jr., left, and outgoing commander, Lt. Col. Robert Pastorelli, far right, stand at parade rest before the Soldiers of the battalion in Hoyle Gym during their change of command ceremony July 8.

Khaalid Walls
OC&S

Heavy rains brought a change of command ceremony for the 143rd Ordnance Battalion planned for outside indoors, but the weather did not dampen the spirit of pride and accomplishment that filled Hoyle Gymnasium July 8 as leadership was handed over with precision and order.

Lt. Col. Robert Pastorelli,

outgoing battalion commander, said moving on was bitter sweet for him. He said that he relished the accomplishments of the battalion under his leadership, but he would greatly miss the Soldiers he led.

In his two years in command, some 5,000 Soldiers completed advanced individual training and Pastorelli said not a single Soldier went AWOL on his watch.

"Today, I sadly give up my command, but I am also encouraged by the incoming commander, who will lead this great battalion into the future," Pastorelli said.

He amused the audience by saying he'll miss doing physical training with young Soldiers two decades his junior.

"I firmly enjoyed early-morning PT with 18 year-old Soldiers," he said.

In an intimate award ceremony prior to the change of command, Brig. Gen. Vincent

Boles, chief of Ordnance and commander of the Ordnance Center and Schools, presented Pastorelli with the Army's Meritorious Service Medal.

"In the Army's Master Data File, this medal costs \$7.47, but that's not its value... That is not its value," Boles pressed. "This is a token of appreciation from a grateful nation for your great performance."

Pastorelli's next assignment is at the Pentagon where he will serve as a staff officer on the Joint Staff.

He concluded his remarks by welcoming incoming commander and Baltimore native Lt. Col. Linwood Clark Jr.

Clark said he was grateful to be back home and looks forward to the challenge of leading a training unit.

"I'm excited about the opportunity to train Soldiers. I accept this great responsibility," he said.

Clark most recently served

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22nd Chemical Battalion holds first change of command

Joni Platt

22nd Chemical Battalion (TE)

With a different kind of military formation lining the parade field, the 22nd Chemical Battalion (Technical Escort) conducted its first change of command ceremony July 7 on the McBride Parade Field at Aberdeen Proving Ground.

Brig. Gen. Walt Davis, commander of the 20th Support Command (Chemical, Biological, Radiological, Nuclear and High-Yield Explosive) hosted the unique ceremony that included Army Soldiers and civilians on the parade field. Davis welcomed the distinguished guests, officers, Soldiers, Department of the Army civilians, family members and friends in attendance.

Addressing the troops and civilian workforce, Davis highlighted the long-standing service the 22nd Chemical Battalion has provided the nation in the War on Terrorism and weapons of mass destruction.

"Although the name of the unit is fairly new, the organization traces its lineage and distinguished history back to [more than] 60 years of distinguished service to our nation," Davis said. "In January 1943 and at the very height of World War II, this truly diverse and multi-talented unit was organized."

"Last fall, the U.S. Army Technical Escort Unit was discontinued and the 22nd Chemical Battalion (TE) was activated under the leadership of Lt. Col. Franz Amann. It was both a

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Original photo by DATA IMAGING TEAM, RDECOM
Illustration by BLAKE VOSHELL

Lt. Col. Patrick R. Terrell, second from left, receives the 22nd Chemical Battalion colors from Brig. Gen. Walt Davis, right, commander of the 20th Support Command (CBRNE). Command Sgt. Maj. Pedro Rodriguez, center, 22nd Chemical Battalion (TE), and Lt. Col. Franz Amann, former 22nd Chemical Battalion commander, observe the passing of the flag.

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Recycling schedule

The recycling pickup for Wednesday, July 27, is plastic, glass and metal. Put items in blue bags and place them on the curb.



Swimming, fishing prohibited until July 25

The Aberdeen Proving Ground Edgewood Area Wastewater Treatment Plant experienced a system bypass between 11:30 p.m., Saturday, July 16 and

5 a.m., Sunday, July 17.

The bypass, which was caused by the large amount of rainfall during that time, caused approximately 560,100 gallons of partially treated wastewater to be discharged into the Bush River.

No fishing or swimming will be permitted in the Beach Point area of the Bush River until Monday, July 25. The Maryland Department of Health and the Harford County health Department were notified of the event.

Route 22 gate closes tomorrow

Aberdeen Proving Ground's Harford Gate (Maryland Route 22) will be closed for renova-

tions beginning 10 p.m., Friday, July 22. It will remain closed for several weeks.

Beginning Monday, July 25, the Aberdeen Gate (APG Road/Aberdeen Boulevard) will be open for inbound traffic only from 4 to 9 a.m. It will be open for both inbound and outbound traffic from 9 a.m. to 10 p.m., Monday through Friday, excluding federal holidays. Access at this gate will be restricted to government ID holders only.

Trucks and visitors must use the Maryland Gate (Maryland Route 715).

The Wise Road Gate (Route 755) is closed until construction is completed. To support traffic flow,

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ECBC building Sample Receipt Facility

Jennifer W. Gaskill
Special contributor

Responding to the nation's urgent requirement to handle unknown suspect samples from the battlefield, the U.S. Army Edgewood Chemical Biological Center is designing and building a new facility. The Chemical Biological Radiological Sample Receipt Facility will be equipped to receive, triage, sample and analyze suspect samples coming from military theaters of operation, law enforcement agencies and intelligence organizations.

Funded as a fiscal year 2005 Military Construction-Army project, the SRF will cost \$13 million. It will require approximately 14 months to build, with site preparation and utility work beginning during summer 2005 and construction scheduled to begin in spring 2006.

Today, ECBC is using several existing facilities to meet this requirement. While the current buildings are safe, the technologies in the facilities are aging. ECBC's current facilities are not designed to handle the increased volume of samples or the potential configuration of weapons of modern-day warfare. The SRF will allow for the safe handling, evaluation, analysis, storage, and treatment of a variety of potentially lethal chemical, biological, radiological, and/or explosive-containing samples or improvised devices containing these hazardous materials.

Managing such items efficiently and safely requires stringent physical and operational laboratory controls. Building security will be high and closely monitored via intrusion detection, access control and remote observation areas. Real-time chemical agent monitoring will be maintained in laboratories that host chemical agents, and real time radiation monitoring will

be installed as appropriate. All exhausted air will be processed using HEPA and carbon filtration units, and areas where contaminants may be present are maintained at negative pressure. In addition, the SRF incorporates separate handling systems for municipal (sanitary sewer) and chemical waste streams, and liquid hazardous waste will be collected locally and disposed of by contractors.

The SRF will consolidate functions currently spread across ECBC's infrastructure to handle, analyze, and archive samples, and will be capable of 24-hour, 365-day per year operations. Existing sample handling and analysis technologies will be combined with new developments in high-throughput sample analysis, such as use of robotic sample handling for large quantities of samples potentially contaminated with biological materials and an explosive containment system with remote drilling capability.

In addition, to support the needs of law enforcement customers, the structure has been configured to support a solid chain of custody system, including high-throughput sample bar coding and preprocessing.

Within its 30,000 square feet, the SRF comprises two high bay sample receipt areas, one explosive receipt area, triage and sample preparation laboratories, and analysis laboratories for chemical, biological (up to Biological Safety Level 3) and radiological materials. These specialized facilities will allow support of a variety of ECBC, Department of Defense and other government agency mission requirements within the SRF. These activities fall into the following categories:

- **Suspect sample handling.** The SRF will provide a safe and environmentally sound facility for receipt, triage, analysis, and archiving of suspect samples containing chemical agents,

toxic chemicals, microbiologicals, toxins or radioactive materials.

- **Sample analysis.** The SRF will be used for analysis of chemical, biological, radiological, and explosives-containing media from DoD and civilian law enforcement and intelligence activities. This may include media such as air, water, soil, or manmade substances.

- **Treatment and storage of chemical agent-related waste.** A Controlled Hazardous Substances permit will be requested from Maryland Department of the Environment for the storage and treatment of hazardous waste, including agent-related hazardous wastes in specific portions of the SRF.

- **Single small-scale facility.** Under the terms of the international Chemical Warfare Convention treaty, which bans the development, stockpiling and use of chemical weapons, each member nation is permitted to establish a Single Small-Scale Facility for the production of chemical agents for research, medical, pharmaceutical and protective purposes. ECBC serves as the SSSF for the United States.

- **Storage of agent research and development stocks.** As part of the ECBC mission to manage the SSSF, the SRF will serve as the storage facility for the U.S. Research, Development, Test, and Evaluation stocks of chemical warfare material that are produced at Edgewood. These activities will be subject to a number



Photo courtesy of ECBC
Grading work begins on the U.S. Army Edgewood Chemical Biological Center's Sample Receipt Facility which will be equipped to receive, triage, sample and analyze suspect samples coming from military theaters of operation, law enforcement agencies and intelligence organizations.

of regulatory and inspection agencies such as the Nuclear Regulatory Commission and Centers for Disease Control that have oversight over the SRF's physical plant and operations.

The U.S. Army maintains rigorous standards and inspection regimens that must be strictly observed to ensure continuity of operations. Because of the potentially infectious nature of the materials received by the SRF, the Centers for Disease Control and Prevention sets the requirements for engineering controls in laboratory and storage areas. In addition, the U.S. Department of Transportation, the International Air Transport Association and the Federal Aviation Administration all govern the transport practices associated with delivering materials to the SRF.

ACS celebrates 40 years of service to community

ACS

Army Community Service will celebrate 40 years of self-help, service and stability to provide assistance for family related problems at Aberdeen Proving Ground and throughout the Army with a picnic 11 a.m. to 2 p.m., July 21 at the Maryland Boulevard Park.

The need for an organization such as ACS can be traced to the 1950s. As the numbers of families in the Army began to increase, the number of family-related problems also increased. The Army had no institutionalized response for these problems.

In 1963, Lt. Gen. J.L. Richardson, the Army deputy chief of staff for Personnel, took the initial action to establish an official family assistance program, which laid the foundation for ACS.

The creation of ACS in 1965 provided a flexible framework for the operation of a viable system of social services that allows emerging needs to be met and services that are no longer needed to be discarded to ensure that each program is adapted to the requirements and resources of the specific Army community.

Celestine Beckett, ACS director, commented on the commitment of ACS to fami-

lies and the military.

"We take pride in the military and the families that we serve at Army Community Service," she said. "Every day we place the Soldier and their families first to ensure a great quality of life."

The APG ACS is a comprehensive blend of quality of life programs in support of Department of Defense activities. Customer focused and business based, the programs offered are intended to provide support services, education, and information to assist the military, retiree, civilian, and family member population at APG and surrounding areas.

Before that time, responses to welfare and the social needs of the Army community frequently were made by volunteers, often Army wives. For many years, Army wives operated lending closets, thrift shops and nurseries, raised funds to help the needy, assisted in emergencies, taught and trained the inexperienced, and, through a grass-roots understanding of the Army environment contributed significantly to its stability.

An adverse aspect of these social service activities was that they often disappeared or stagnated when their originators transferred or left the serv-

ice.

The plan to create ACS met initial disapproval, as many senior officers resisted the concept. The general attitude was that the role of the Army was to win wars, not operate as a social service agency.

However, as military needs mounted and military families were disrupted due to Vietnam, personal difficulties increased. This focused attention on the need for an Army social services program to provide some means to cope with problems of rapid deployment and relocation, which adversely affected Soldiers and their families.

In its first two years of existence, ACS provided approximately a half million services to Soldiers and their family members.

Today, it provides over 5 million services annually. The number of ACS centers has increased from six in 1965 to more than 150 today. ACS volunteers numbering in the thousands provide major personnel support with little cost to the Army.

The ACS birthday picnic celebration is open to all families in the APG

community and will be held rain or shine.

Free tickets must be picked up at the Aberdeen ACS office, building 2754, 8 a.m. to 4:30 p.m., Monday through Friday or the Edgewood ACS office, building E-4630, 8 a.m. to 4 p.m., Monday through Thursday. For more information, call 410-278-7572/4372.



Photo by YVONNE JOHNSON
Celestine Beckett, Army Community Service director, poses with Capt. Thomas Stocks, U.S. Army Evaluation Center, during a ceremonial donation of a \$559.24 check to the Needy Soldier Fund July 13. AEC employees decided to donate excess Organization Day funds to a charitable organization and chose ACS.

MCSC welfare checks to boost APG, county programs

Carolyn H. Dawson
APG News

Recognizing the importance of community, the APG Military and Civilian Spouse's Club presented checks to various community organizations totaling \$2,100 at a ceremony held June 8 at the Ordnance Museum.

Each year MCSC holds apple pie sales to raise funds to be distributed to various community organizations to be used for the betterment of the community.

Six check recipients were selected this year.

"It's a wonderful opportunity to create unity within the APG community, and promote a relationship between the military and surrounding civilian communities," said MCSC Welfare Chairperson Gloria DeBerry.

Aberdeen High School received \$200 for its Science and Mathematics Academy, which just completed its first successful year of operation.

"We learned as much from our students as they learned from us," Donna

Clem said.

Located on the top floor of the high school, the academy is for gifted students strong in math and science.

"The future of this country is in technologies," she said.

Alpha's Glory Crisis Pregnancy Center in Aberdeen received \$500.

"The money will aid in the center's Mentoring Moms Program, and for the purchase of "Making Kids Mind without Losing Yours," a discipline for toddlers video," said Karen Wilson of Alpha's Glory.

APG Police Services Division received \$200. Accepting the check was Officer Mike "Big Mike" Farlow, who presented some McGruff the Crime Dog 'goodies' to the MCSC group, also talked about the friendly approach he is able to take with youth and the community in his role at McGruff House.

Farlow thanked MCSC and said the money will be used to purchase materials for Police Services Division.

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APG News

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Staff

APG Commander Maj. Gen. Roger A. Nadeau
APG Garrison Commander Col. John T. Wright
Public Affairs Officer George P. Mercer
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Editorial Assistant Marguerite Towson
Contract Photojournalists Yvonne Johnson, Carolyn H. Dawson
Graphic Designer/Web Designer Blake Voshell
Web site www.apgnews.apg.army.mil

Hungry twins eat on the go



Photo by RENEE MAIN, EDGEWOOD YOUTH CENTER
Amateur photographer and Edgewood Youth Services assistant manager Renee Main snapped this photo of twin fawns enjoying a brief breakfast before Edgewood's early morning traffic rush July 11.

Post retirement recognizes more than 300 years of service

Khalid Walls
OC&S

Three Soldiers and seven civilians ended their careers June 29 at the Ball Conference Center bringing to a close more than 300 years of combined military and federal service.

"These 10 national treasures we honor today, in their last formation, have left their handprints, their sweat and energy all in the defense of our constitution," said Brig. Gen. Vincent Boles, chief of Ordnance and commander of the U.S. Army Ordnance Center and Schools and host of the event, in his opening remarks.

As he continued his remarks, he cautioned the audience they would be long.

"Now, before I get into the substance of my remarks, I in advance, ask your indulgence...If you think it's going on too long, relax, you're sitting down, the AC works and it's 111 degrees in Baghdad. Some Soldier would think you have it pretty good," he said.

Boles held private meetings with each of the retirees before the ceremony to personally thank them for their service and wish them the best in their future endeavors.

He asked each of them several questions about their careers: what they would miss most, who had made a significant impact on them, and any parting advice.

They all shared interesting stories and words of wisdom. One theme weaved all of their stories together: the camaraderie and friendships they will miss.

Boles urged them to maintain those relationships and continue their service to country in other ways.

He ended his remarks by praising their collective achievements.

"They served not for the glory, nor riches or fame. They served for us. They thought we were worth it. With all the changes they have lived through, they have lived our values, embraced our standards, and served our nation. We have been touched for good by their efforts, their example and their sacrifice," Boles said.

Meet the retirees

Chief Warrant Officer 3 Kurt Schultz

Schultz of the U.S. Army Ordnance Mechanical Maintenance School retires in September after 23 years of service. He has numerous military awards, among them are the 2004 Outstanding Federal Employee of the Year and his role in leading his unit to a 2002 Army Award for Maintenance Excellence.

Sgt. 1st Class Kevin Yungandreas

Yungandreas of the U.S. Army Ordnance Mechanical Maintenance School retires in August after 24 years of service.

He has several military commendations, but places particular significance on his two Volunteer of the Year Awards from 1998 and 2001.

He and his wife have logged over 15,000 hours in volunteer services with the Army Community Service program.

Sgt. 1st Class James Ables

Ables of the U.S. Army Ordnance Mechanical Maintenance School retires in September after 20 years of service. He earned several military awards, but among his most significant achievements is his development of polymer training packets for Battle Damage, Assessment and Repair/Recovery, a cost saving measure for the Army. He also played a key role in developing a technical bulletin which outlined critical repairs on M1 Abrams tanks.

Stephen English

English of the U.S. Army Research, Development and Engineering Command retired earlier this month after 33 years of both civilian and uniformed service. He is a 2001 graduate of Harvard University's John F. Kennedy School of Government Senior Executive Fellows Program. During his career he held several high-profile technical subject matter expert positions, including his time as the technical advisor to the U.S. Arms Control and Disarmament Agency during negotiation sessions in Geneva, Switzerland.

Clifton Watson

Watson of the Civilian Human Resources Agency retired in June after 40 years of service both in uniform and as a civilian employee.

He worked in all areas of human resources, but had particular expertise in labor and employee relations.

He received numerous awards during his distinguished career including, letters of commendations and appreciation, commanders awards, performance awards and specials act awards.

Roland Polimadei

Polimadei of the U.S. Army Evaluation Center retired earlier this month after 43 years of service.

Early in his career, he authored four and co-authored 10 technical reports and two patents in effects on devices and circuits.

He completed his career as chief of the Non-Ballistics Survivability Division, Survivability Evaluation Directorate, AEC.

John Knapstein

Knapstein of the U.S. Army Research Institute of Chemical Defense retired earlier this month after 33 years of service. He has received several awards during his federal career including a 2002 Baltimore Federal Executive Board Silver Award for Community Service.

His plans for retirement are to spend more time bicycling, refereeing high school sports and working with his honey bee hives.

Edward Wilson III

Wilson of the U.S. Army Garrison, Aberdeen Proving Ground retired in June after 34 years of service. He has been highly recognized for his performance.

He has had gratification from various careers, including the summers he spent teaching math at the APG Math and science Camp. He plans to continue his commitment to community service groups during his retirement.

Kenneth Lancellotii

of the U.S. Army Center for Health Promotion and Preventive Medicine retired in May with more than 41 years of service.

He received numerous awards during his distinguished career including, letters of commendations and appreciation, commanders awards, performance awards and specials act awards.

His retirement plans are to sail and enjoy other outdoor sports.

Richard Coale

Coale of the U.S. Army Center for Health Promotion and Preventive Medicine retired in June after 29 years of service.

He has been awarded numerous commendations, among them is the Brig. Gen. Ursone Star Note and Commander's Coin for Test, Measurement and Diagnostic Equipment Excellence, which was noted in the U.S. Medical Command's Logistics Review Team Visit in February 2003.

He plans to do work in forest products and horticulture crops in his retirement.

Garrison recommends private insurance for service members

Yvonne Johnson
APG News

In the wake of a recent fire in an Aberdeen Proving Ground housing unit, the Garrison is urging service members to obtain private renter's insurance for their personal property.

"This recommendation includes those who live in government housing as well as those renting outside the gates," said Pat Hector, director of Housing.

Hector said that service members are briefed on the limitations of reimbursement for property loss or damage and advised in writing to obtain private insurance when they sign for government quarters.

"Sponsors review the

installation's resident use policy [AMSSB-GIO-H Form 178, Conditions of Occupancy for Military Family Housing] with counselors when they sign for their quarters," Hector said.

The form states that private liability insurance is an option of the resident and should also be considered as a safeguard against liability for damages to government property: "It is strongly recommended that you obtain private insurance for your residence. The government does not cover service members for all losses of personal property and household goods in their private residence. Military families, even those who live on post, should take advantage of private insurance policies to cover

their possessions from fire, flood, theft, vandalism, and unusual occurrences."

Hector said the assumption that renter's insurance is expensive and costly is often what keeps service members from seeking the coverage.

"Renter's insurance is relatively inexpensive and can often be obtained through the same company that insures your car," Hector said. "It provides a great peace of mind for the military family."



Photo by YVONNE JOHNSON

Items that may be covered in renters' insurance policies include clothing, toys and entertainment equipment like the water and smoke damaged items in the above photo, which was taken after an April 2004 fire in Patriot Village.

143rd

From front page

as an Army Campaign Plan planning officer at the Pentagon.

He holds a bachelor's degree in political science from Fairleigh Dickinson University and a master's degree in administration from Central Michigan University.

His military awards include the Bronze Star Medal, the Meritorious Service Medal with three oak leaf clusters, the

Joint Service Commendation Medal with one oak leaf cluster, the Army Commendation Medal with three oak leaf clusters, the Army Achievement Medal with one oak leaf cluster, the Army Reserve Component Achievement Medal, the Humanitarian Service Medal, the National Defense Service Medal, the Air Assault Badge, the Parachutist Badge, the Army Staff Identification Badge and the Secretary of Defense Identification Badge.

Correction

In the "KUSAHC Health, Fitness Day highlights education, fitness" article in the July 7 issue, Cheri Whiting was mistakenly identified in the photograph. It should read Peggy Doty, occupational health nurse.

In the "Julie Roberts to appear in Miller Lite concert" article in the July 14 issue, Nashville recording artist Terri Clark was incorrectly identified as Traci Clark.

The APG News regrets the errors.

POST SHORTS

the Magnolia Gate has been opened.

The Magnolia Gate hours and entry control is identical to the Wise Road protocol—government ID only, no trucks or deliveries. The Magnolia Gate hours are 4 a.m. to 8 p.m., Monday through Friday and closed on Saturday, Sunday and federal holidays.

Visitors should continue to use the Route 24 Gate, which is operational 24 hours per day, 7 days per week. Visitors will not be permitted to enter through the Magnolia Gate unless accompanied by a government ID holder.

Delays may be expected at various times.

Road closure continues

Grant Road at Skippers Point Road will be closed until the end of October.

The construction company C&R Environmental Associates will be readying the old family housing buildings for demolition.

Occupants are asked to keep children and pets out of this area. Police will be patrolling the area to make sure unauthorized persons stay out.

For more information, call Richard B. Dunham, Directorate of Installation Operations, 410-306-1163.

Unlicensed motorized vehicle use prohibited on APG

The Garrison commander has issued an unlicensed motorized vehicle use policy which states that "motorized scooters, mini-bikes, pocket bikes, and off-the-road motorcycles (unlicensed) may not be operated on any highway, roadway or sidewalk on APG to include the housing areas and service roads. All terrain vehicles (ATV), go carts, golf carts or similar vehicles may not be operated on any highway, roadway or sidewalk on APG."

The letter, dated June 16, 2005, further states that the

installation is too congested to allow for the safe use of these types of vehicles.

The policy is effective immediately.

For more information, contact APG police officer Joseph Davis, DLES, 410-278-2744.

ACS hosts family picnic today

Army Community Service will host its annual family picnic and celebrate 40 years of service 11 a.m. to 2 p.m. at the Maryland Boulevard picnic area. The picnic is open to all families in the APG community, and will be held rain or shine.

Free tickets must be picked up at the Aberdeen ACS office, building 2754, 8 a.m. to 4:30 p.m., Monday through Friday or the South ACS office building E-4630, 8 a.m. to 4 p.m., Monday through Thursday.

For more information, call 410-278-7572/4372.

APG holds College Fair July 26

A College Fair will be held 4 to 6 p.m., July 26 at the APG Recreation Center, building 3326. More than 20 colleges including TESST College of Technology, Cecil Community College, Community College of Baltimore (Catonsville, Essex, Dundalk), Towson University, Johns Hopkins University graduate programs, Goucher College graduate programs, University of Phoenix, Liberty University, Morgan State University, Service-member Opportunity College (SOCAD) and Army Green-to-Gold Program will be available. Also at the fair will be a Troops-to-Teachers Workshop, 4:30 and 5:30 p.m.; and a Financial Aid Workshop at 5 p.m.

For more information or to register for workshops, call 410-306-2043 or e-mail Tressie.Stout@usag.apg.army.mil.

RAB meeting

The Installation Restoration Program will hold its monthly

Restoration Advisory Board meeting 7 to 9:45 p.m., July 29, at the Edgewood Senior Center on Gateway Road.

The topic will be an update on the Bush River Study Area.

Board meetings are open to the public; all APG employees and citizens are invited. For more information, call the Information Line, 410-272-8842 or 800-APG-9998.

TRICARE briefing

Military families are invited to a briefing on the US Family Health Plan at Johns Hopkins, a TRICARE option, 6:30 to 8:30 p.m., July 28, in the APG Recreation Center television room.

For more information, to schedule a private consultation or to make a reservation, call 1-800-808-7347 or 443-287-2529.

Earn money in research studies on hearing

The U.S. Army Research Laboratory is conducting a study on hearing. Participants need to be 18 to 30 years old with normal hearing.

The time commitment is 3 to 4 hours, and each participant will be paid \$15 per hour. Employees of ARL and their relatives are not eligible.

Interested volunteers should contact Justin MacDonald, 410-278-5925, e-mail jmacdonald@arl.army.mil or Paula Henry, 410-278-5848, e-mail phenry@arl.army.mil.

USO-Metro holds job fair

USO-Metro will host a Job Fair at the Spates Community Club on Fort Myer, Va., 10 a.m. to 2 p.m., July 29. The event is open to all active duty military personnel who are transitioning out of the military.

For more information, call Dawn Ruth, 703-696-3279.

\$1 Bag sale at Thrift Shop

A \$1 bag sale at the APG Thrift Shop will continue throughout August.

Customers will be provided a 13-gallon bag to fill from items displayed in the shop's parking lot.

Shopping hours are 11 a.m. to 6 p.m., Wednesday; 10 a.m. to 2 p.m. Thursday; and 10 a.m. to 1 p.m., Aug. 6.

For more information, call 410-272-8572 during shop hours.

KUSAHC closes for Organization Day

Kirk U.S. Army Health Clinic will close at noon on Aug. 5 for Organization Day activities.

There will be no services available in the afternoon.

Disabled veteran

business owner issues to be addressed

Small business specialists from the Department of Justice will provide counseling for service disabled veteran-owned small businesses and an overview of the department's planned procurements, 9 a.m. to noon, Aug. 4, at the Drug Enforcement Administration Auditorium, 700 Army Navy Drive, Arlington, Va.

Pre-registration is required. To register, call 202-616-0545 by July 29. A government issued photo ID, such as a driver's license, is required to enter the facility.

Force Health Protection Conference scheduled for Aug. 9

The U.S. Army Center for Health Promotion and Preventive Medicine will host the 8th Annual Force Health Protection Conference Aug. 9 through 12 in Louisville, Ky. There is no cost to attend the conference and no registration fee, but there will be TDY expenses.

Sessions include the PAO-Marketing track and the general FHP tracks. The conference Web site is <http://chppm-www.apgea.army.mil/fhp/>.

For more information, call Jane Gervasoni, 410-436-5091 or e-mail jane.gervasoni@us.army.mil.

Fuel Station closes on Ozone Action Days

When forecasted code "Orange" and code "Red" Ozone Action Days occur, the Directorate of Installation Operations will close the government fueling stations from 9 a.m. to 3 p.m. at building 4029 in Aberdeen and building E-4017 in Gunpowder Neck.

Compressed natural gas and diesel fuel pumps will remain open during forecasted OADs. The use of compressed natural gas in dual fuel vehicles is strongly encouraged to reduce harmful air emissions, especially on a declared OAD.

In the event of an emergency, i.e., an emergency vehicle needs refueling between 9 a.m. to 3 p.m., call 410-278-2871/3414 or 410-436-3270 to request DIO personnel to open the pumps.

Army Operations Research Symposium slated for October

The TRADOC Analysis Center will sponsor the 44th Army Operations Research Symposium, AORS XLIV, Oct. 11 to 13 at the Army Logistics Management College, Fort Lee, Va. The theme will be "The Future Ain't What It Used To Be."

The cost is \$40 per person. The deputy under secretary of the Army invites everyone in the Army operations research community to support and par-

ticipate.

For more information or to register, visit <https://aorsxlv.com>, or call Capt. Michael Forbis at 913-684-7583/DSN 552-7583 or e-mail Michael.forbis@us.army.mil;

Rochelle Anderson at 913-684-7585/DSN 552-7585 or e-mail Rochelle.anderson@us.army.mil, or Lynn Leath at 913-684-9137/DSN 552-9137 or e-mail lynn.leath@us.army.mil.

Donations needed for CDC Adopt-a-Unit care packages

The Aberdeen Child Development Center's Parent Child Care Association is sponsoring an Adopt-A-Unit Care Package Drive throughout the year. For more information, call Jan Harvin, 410-306-1121 or e-mail janet.harvin@apg.army.mil.

The PCCA adopted the 385th Signal Company at Camp Doha, Kuwait. Harvin's husband is assigned to this unit.

Many of the young Soldiers are in need of supplies, phone cards, and moral support through cards, letters, pictures, etc.

The following items are suggested for donation:

Clothing: shoe laces for gym shoes and boots, brown T-shirts, boot socks, underwear, hand warmers

Food: Chips Ahoy cookies, individual packages (big bags often fill with dust if not eaten right away), other kinds of cookies, pasta and sauce, spices, smoked oysters and sardines, squeeze butter, Pringles chips, individually-wrapped licorice,

microwave popcorn, ramen noodles, macaroni and cheese, olives, pickles, peppers (lots of bubble wrap around these items), cereal bars, microwave pasta that doesn't need refrigeration, hot cocoa mix, soup mix, M&M's

Essentials: koozies to keep water bottles and cans cool, AA and D batteries, air freshener, stick-ups, Fabreeze, canned air to blow dust out of electronics, stress relief squeeze balls, sewing kit, Lysol wipes/wet ones, inflatable seat cushions, razors, ink pens

Entertainment: newspapers, magazines, DVD's, word puzzle books, paperback books, poker chips, board games

Health items: icy/hot patches, air activated heat wraps for sore muscles, foot spa, foot powder, vitamins

Miscellaneous: microwaveable plates and bowls, paper plates, holiday decorations, holiday cards and address books with entries for names and addresses.

LEAVE DONATION

To participate in the Voluntary Leave Program, use forms OPM 630, Application to Become a Leave Recipient Under the Voluntary Leave Transfer Program; OPF 630-A, Request to Donate Annual Leave to Leave Recipient Under the Voluntary Leave Transfer Program (within agency); and OPM 630-B, Request to Donate Annual Leave to Leave Recipient Under the Voluntary Leave Transfer Program (outside agency). Employees leaving the program should call Ronda McKinney, 410-278-8988, or e-mail rondamckinney@usag.apg.army.mil, to complete a termination form.

Employees eligible for donations in the Voluntary Leave Transfer Program

Audrey Alba	neuropathy)
Marian Bellis (fracture of left tibia)	Patricia Lynch
Dianna Blevins	Wayne Kaiser
Sarah Blevins	Beverly King (caring for husband)
James (Mike) Campbell	Danny Kopp (lung cancer)
Steven Clarke	William B. McLean (kidney failure)
Robert Cook	Tess Ramos (total hip replacement)
Barbara Crossley	Boyd Richards
Victoria Cwiernie (lyme disease)	Cheryl L. Roark
Carl Davis	James Royston
Shelia Davison (benign paroxysmal positional vertigo)	Leigh Sanders
Geraldine Eaton	Barbara Seker
John Gage	Steven Sheely
Renee Gaffney	Suzette Shields
Eleonor Gordon	Joyce Steinger
Susan Gorhan	Alison Tichenor
Traci Graham	Linda Tignor
Beatrice Heilpern	Charles Young (kidney and pancreas transplant)
Melanie A. Hoffman (parasinusitis, fibromyalgia condition)	Gary Tudor (heart valve replacement)
Richard Hoffman	Jerry Williams
Julie Hynson	Gerard Yursis
Janice Johnson (diabetic	

Community Notes

MOVIES

ADMISSION: ADULTS \$3.50, CHILDREN \$1.75
Building 3245 Aberdeen Boulevard

To verify listing, call 410-272-9008, or visit www.aafes.com and click on "Movie Listing."

MR. AND MRS. SMITH

Friday, July 22, 7 p.m.

Starring: Brad Pitt, Angelina Jolie, Vince Vaughn

John and Jane Smith are a couple who have been married for 6 years and things appear to be normal. But it appears that things are changing - they are seeing a marriage counselor. And what neither of them know is that they are professional assassins. However, they are both assigned by their employers to kill the same person. When they each try to take out the target, they get in each other's way and blow the job. Now they are told to go after the person who made them miss the target. And when they learn about each other, they try to take each other out. (Rated PG)

THE ADVENTURES OF SHARK BOY AND LAVA GIRL (FREE ADMISSION)

Saturday, July 23, 7 p.m.

Starring: Taylor Lautner, Taylor Dooley, Cayden Boyd, George Lopez

In The Adventures of Shark Boy and Lava Girl in 3-D

ten-year-old Max invents two imaginary superheroes with whom he plans great adventures. Miraculously, they really come to life. Soon he's blasting off to Planet Drool with Shark Boy, a kid raised by sharks, and Lava Girl, a girl who emits flames. They take him on the Train of Thought, bound for the yummy land of Milk and Cookies. But when Mr. Electric (Lopez) and his sidekick Minus try to do away with their dreams, the trio must fight back to save Max's imagination.

THE HONEYMOONERS

Saturday, July 23, 9 p.m.

Starring: Cedric the Entertainer, Mike Epps, Gabrielle Union, Regina Hall

New York bus driver Ralph Kramden (Cedric the Entertainer) and his pal Ed Norton (Epps) keep hunting for get-rich-quick schemes that will help them get rich, and quick. Luckily, their wives, Alice (Union) and Trixie (Hall), are there to keep them grounded and bring in some dough by waiting tables at a local diner. (Rated PG-13)

THURSDAY JULY 21 SUNSET CRUISE

The Chesapeake Heritage Conservancy, Inc. will offer a Sunset Cruise, 7 p.m., on the Skipjack Martha Lewis.

Tickets cost \$20 for adults and \$10 for children under 10 years of age.

The ship will cruise around the Susquehanna Flats and upper Chesapeake Bay. Reservations are suggested but not required.

Available tickets go on sale at the dock beginning at 6:15 p.m.

Alternate dates are Aug. 4 or 18.

For more information or for reservations, call 410-939-4078.

FRIDAY AND SATURDAY JULY 22 AND 23 MARGARITA NIGHT

The Chesapeake Heritage Conservancy, Inc. will offer Margarita Night, 7 p.m., on the Skipjack Martha Lewis.

Tickets cost \$30 per person.

The historical oyster dredger will cruise around the Susquehanna Flats area as margaritas are served and Jimmy Buffet tunes play.

Light refreshments and non-alcoholic beverages are available. Credit cards will be accepted.

For reservations, call 410-939-4078.

SUNDAY JULY 24 HEALTH FAIR

The Aberdeen Seventh Day Adventist Church is sponsoring a free Health Fair at the Festival Park in Aberdeen, 10 a.m. to 4 p.m. The theme is "Healthy Families Raising Healthy Children," focusing on the physical and the spiritual.

A variety of organizations, trained health professionals and community service workers will be available to take blood pressure screenings, as well as a CVS pharmacist, dentist and others to assist attendees. Information on nutrition, temperance and spiritual needs will be provided on women's and men's health.

There will be tables on upcoming vacation bible school, seminars, and a prayer board for anyone who wishes to place the name/s of friends/families deployed.

For the young or young at heart there will be a moon-bounce, balloons, sack races (leaping for God), parachute games, face painting, bible story telling with a puppet, drawings and door prizes given.

For more information, contact Debbie Wilson, 410-272-1487.

SATURDAY JULY 30 BASKET BINGO

Basket Bingo to benefit USNTC Bainbridge Historical Association will be held at VFW Post 8185, Route 222, Port Deposit.

Doors will open at 6 p.m., Bingo starts 7 p.m. Tickets cost \$10 person for all paper cards; extra packs cost \$5 each.

Food, beverages, baked goods, door prizes and raffles will be available.

For more information or to purchase tickets, call 410-

642-9297, or Anne Gibson, 410-378-3338.

SATURDAY

AUGUST 27 SUBMERGED AQUATIC VEGETATION (SAV) HUNT

Ever wonder why some grass grows underwater? Join The Estuary Center for canoeing and underwater grass exploration 1 to 5 p.m.

This free event is for ages 12 and older. Youths 12 to 16 must be accompanied by an adult.

Learn how to identify different plants, why they are an important resource to the Bay and what plants grow in the area.

For information, directions, or to make a reservation (required), call 410-612-1688 or 410-879-2000, x1688.

SATURDAY THRU SATURDAY AUGUST 27 THRU SEPTEMBER 17 HARFORD COUNTY HOLDS SENIOR OLYMPICS

The Harford County Department of Parks and Recreation will host the 10th Annual Senior Olympics - North Chesapeake Region at various locations throughout the county. The games are open to men and women in age groups 50 to 54, 55 to 59, 60 to 64, 65 to 69, 70 to 74 and 80 and older.

Team competition and events include volleyball, 3-on-3 basketball, aquatics,

archery, cycling, golf, horse-shoes, miniature golf, racquetball, track and field, football throw and more.

The deadline for registration is July 22.

Application forms are available by calling 410-692-7820 or 410-612-1606.

For more information and/or to apply as a volunteer, contact the department at 410-692-7820 or 410-612-1606.

SATURDAY, SUNDAY OCTOBER 8, 9 COLUMBUS DAY SOC- CERTOURNAMENT

The Greater Harford Soccer Club is now accepting online registrations for the 8th annual Greater Harford Columbus Day Soccer Tournament. The tournament will be held in Bel Air.

Approximately 200 teams including soccer clubs from New York, Pennsylvania, Delaware, Virginia, North Carolina and Maryland will participate.

The tournament is open to ages U-9 through U-19 for girls' teams and U-9 through U-15 in the boys' divisions.

For more information or registration, call Jeff Hess at 1-888-528-9009 (daytime), 410-806-0946 (evenings), e-mail Tourndir@ghsc.org, or visit www.ghsc.org/tourneys/tourney05.



Channel 21 features Pentagon channel programming

These programs are subject to change each week and will be updated accordingly.

Monday

Focus on the Force, 5:30 a.m.
 American Veteran, 9:30 a.m. and 9:30 p.m.
 Army Newswatch, 11 a.m.
 FJ Iraq/AF Prime Time, 1 p.m.
 State Department Briefing, 3 p.m.
 Around the Services, 5:30 p.m.

Tuesday

Around the Services, 8 a.m. and 8 p.m.
 Your Corps, 10:30 a.m.
 Focus on the Force, 1 p.m.
 State Department Briefing, 3 p.m.
 FJ Iraq/AF Prime Time, 4 p.m.
 Army Newswatch, 7 p.m.
 Navy/Marine Corps News, 9 p.m.

Wednesday

Around the Services, 8 a.m.
 Army Newswatch, 9:30 a.m. and 9:30 p.m.
 American Veteran, 1 p.m.
 Focus on the Force, 2 p.m.
 State Department Briefing, 3 p.m.
 FJ Iraq/AF Prime Time, 4 p.m.
 Your Corps, 5 p.m.
 Around the Services, 8 p.m.

Thursday

Around the Services, 8 a.m. and 8 p.m.
 Army Newswatch, 9 a.m. and 9 p.m.
 Navy/Marine Corps News, 11 a.m.
 Focus on the Force, 1 p.m.
 State Department Briefing, 3 p.m.
 American Veteran, 5 p.m.

Friday

Around the Services, 5:30 a.m. and 8 p.m.
 FJ Iraq/AF Prime Time, 9 a.m.
 Recon, 12:30 p.m.
 State Department Briefing, 3 p.m.
 FJ Iraq/AF Prime Time, 4 p.m.

Saturday

Around the Services, 5:30 a.m.
 FJ Iraq/AF Prime Time, 7:30 a.m. and 9:30 p.m.
 Engineer Update, 1:30 p.m.
 Opportunity Showcase, 3 p.m.
 Army Newswatch, 5:30 p.m.
 Battleground, 7 p.m.

Recon, 8 p.m.

Sunday

Army Newswatch, 5:30 a.m. and 4:30 p.m.
 FJ Iraq/AF Prime Time, 10:30 a.m.
 Your Corps, 11 a.m.
 American Veteran, 1 p.m.
 Navy/Marine Corp News, 3 p.m.
 Around the Service, 7:30 p.m.
 Battleground, 9:30 p.m.

Army Newswatch - Bi-weekly report on the men and women of the Army

Around the Services - From the Pentagon Channel NewsCenter, daily half-hour program featuring military news from top defense officials and the military services from around the world

RECON - A monthly information television program providing an in-depth look at a variety of topics, highlighting the accomplishments of U.S. Military men and women.

Your Corps - Monthly view of the men and women of the Marine Corps

Freedom Journal Iraq - A daily news program produced by American Forces Network Iraq. The program focuses on military missions, operations and U.S. military forces in Iraq

Navy Marine Corp News - A weekly look at the men and women of today's sea service.

Opportunity Showcase - A monthly program dealing with a variety of subjects that benefit small business owners, transitioning military members and other subjects of opportunity-produced by the United States Air Force

The American Veteran - A half-hour video news magazine designed to inform veterans, their families and their communities about the services and benefits they have earned through their service to America and to recognize and honor that service

Battleground - Every weekend, this series features historic films from WWII, Korean War, and the Vietnam War. A Pentagon Channel Original Series

Focus on the Force - A weekly program highlighting missions, operations and people of the U.S. military.

Commentary

The dog days of summer

Marguerite Towson
DOIM PAO

If I may, I will steal a line or two from James Herriot's book series All Creatures Great and Small: "All things bright and beautiful, all creatures great and small, all things wise and wonderful, the Lord God made them all."

It's no great secret that I am an animal lover. I forever tease a coworker about "eating Bambi" when she brings in venison stew or other dishes that feature the doe-eyed creature.

I'm not afraid to kiss my cat and I proudly brag about the two shelties I call my "grand-kids." I have treated all my pets like they were members of the family; I tend to get really attached to them.

I'm not an animal rights activist that protests the steaming of crabs and lobsters as cruel and inhumane, and I'm not a vegetarian. I almost bought a bumper sticker that said "I love animals – they're delicious."

Although the sight of a pickup truck with a load of big dogs in the back has never worried me personally, it is considered a dangerous situation. Pet safety rules say never allow a pet to ride in the back of an open pickup truck, even if restrained. Cages or crates may be thrown out in the event of an accident. Animals who are tied may attempt to jump out, resulting in strangulation or dragging the animal behind the vehicle.

And who would have thought that the enjoyment a dog gets from sticking its head out the window during a car ride would also have its dangers? Again, pet safety rules say if the dog's head can get outside of the window, chances are his whole body can. Dogs have jumped or fallen out of open windows of vehicles and become seriously injured...or worse.

Small particles could enter the dog's eyes or ears causing severe injury. Larger objects such as tree branches hanging over a street, or road construction signs could also cause injury to a dog whose head is outside of the vehicle.

If involved in an accident, a dog with his head outside of the window could, again, be seriously injured or even killed.

Dogs also enjoy the water. During a visit to the beach one year, I once saw two large dogs swimming out in the Atlantic Ocean alongside their companion's boat. Many breeds love to swim in lakes, rivers, ponds and even in Baltimore's Inner Harbor. But caution must also be taken with this activity due to hypothermia. This is especially true for lakes and rivers.

Signs of hypothermia include dilated pupils, stupor or coma, pale or blue gums, decreased heart and respiratory rate and shivering. The heart and kidneys may also be affected. If this is seen, wrap the animal in a blanket, using hot water bottles (or water balloons) next to the animal. Do not use a heating pad as this may cause burns. Transport to a veterinarian or emergency clinic as soon as possible.

I am always amazed at how people leave their pets to swelter inside cars, trucks or SUVs on hot summer days while they go shopping in comfort inside an air conditioned store. Leaving the windows rolled down a bit may allow some air inside the vehicle, but it doesn't keep the temperature down. An 85 degree day can heat up the interior of a car to 120 to 130 degrees Fahrenheit in 30 minutes or less. Whether the temperature is only mildly warm or extremely cold, it can still be harmful to pets.

According to the APG Veterinary Clinic, there have been several cases this summer where a family pet was either left tied outside without proper attention or left alone in an enclosed garage without food, water or proper ventilation. In each incident, APG Police responded and removed the suffering pet. The owners were given citations.

Whether you are going on vacation or just away for the day, weigh the options on pet care.

- Take pets along
- Have a friend or neighbor make frequent, daily visits to care for the pet

- Place pets in a kennel or pet boarding facility. Leaving a pet outside, tied to a tree or locked in the garage or quarters without someone to care for them is not an option.

Traveling with man's best friend

Most people should plan ahead when taking man's best friend along on a long road trip or just a short trip to the local convenience store.

Summer is peak travel time. Outdoor events and vacations can often keep pet owners in the company of their pets.

For mutual safety, pets should be restrained or confined at all times while riding in a vehicle. If unrestrained,

pets can be a serious threat to drivers and passengers, distracting or impairing their ability to drive. Also, without restraint, pets can get seriously injured during quick stops, sharp turns and accidents.

In most cities, there are no seatbelt laws to protect pets - as there are for drivers and passengers. For the best protection, it is recommended that dogs be restrained in a specially designed seat or harness. Most dogs will become accustomed to these quickly. In the event of a collision, cages, crates, barriers will provide the best protection for pets.

It is not safe for a dog to be left inside a car:

- When the temperature is approximately 73 degrees.

- When the temperature is well below freezing. This is especially important for shorthaired dogs.

- Extended periods of time. Owners may have no place to leave their pet while leaving the vehicle for an extended period of time, but that is no excuse for leaving a dog alone in a car longer than a half hour, even if it seems "safe" to do so.

- If the vehicle does not have adequate security features to minimize the likelihood of theft. Many dogs have been stolen from unlocked vehicles.

How to recognize the signs of a dog suffering heat exhaustion

- Body temperature above 104 degrees.
- Excessive panting or salivating
- Excessive barking as if in distress and trying to escape
- Dark or bright red tongue and gums
- Seizures
- Bloody diarrhea or vomiting
- Coma

Heat stroke

Most people are aware that leaving a pet in a locked car on a 100 degree day would be dangerous. Driving around, parking, and leaving a pet in the car for "just a minute" can be deadly.

Avoid heat stroke

Jogging is also dangerous in warmer weather. Dogs may jog with their owners every day and be in excellent shape, but as the weather gets warmer, dogs are still jogging in their winter coat (or a slightly lighter version) and can only cool themselves by panting and a small amount of sweating through the foot pads. Many dogs, especially the 'athletes' will keep running, no matter what, to stay up with their owner. Change the routine to early morning or late evening to prevent heat stroke.

Avoid walking dogs in areas that are suspected to have been sprayed with insecticides or other chemicals

Housing for pets

If pets are kept outdoors, they should have plenty of shade, a well-constructed shelter and access to fresh water at all times. Bring the dog inside during the hottest part of the day. Keep cats indoors. If living in a warm climate, it is a good idea to hose down the dog before leaving for work, mid-day or whenever able to provide extra cooling (if the dog is not over heated in the first place).

Short-nosed breeds, such as bulldogs and pugs, Boston terriers, lhasa apsos and shih tzus, large heavy-coated breeds, and those dogs with heart or respiratory problems are more at risk for heat stroke.

If heat stroke is suspected in a pet, seek veterinary attention immediately. Use cool water, not ice water, to cool pets. (Very cold water will cause constriction of the blood vessels and impede cooling.) Do not aid cooling below 103 degrees - some animals can actually get hypothermic, too cold. Offer ice cubes for the animal to lick until reaching the veterinarian.

Just because an animal is cooled and "appears" okay, do not assume everything is fine. Internal organs such as liver, kidneys, brain, etc., are definitely affected by the body temperature elevation, and blood tests and veterinary examinations are needed to assess this. There is also a complex blood problem, called DIC (Disseminated Intravascular Coagulation) that can be a secondary complication to heat stroke that can be fatal.

Water safety

People head for the lakes and rivers this time of year, and the family dog is often part of the fun. However, not all dogs are excellent swimmers by nature. If a pet has underlying health problems, such as heart disease or obesity to contend with, consider protecting it with a life preserver. If the pet is knocked out of the boat (perhaps getting injured in the process), or is tired/cold from choppy water or a sudden storm, a life jacket could save the pet's life.

Do not take an animal to the beach unless a shaded area and plenty of fresh water are available. Rinse the animal off after a swim in salt water.

Antifreeze is actually a year-round hazard. With the warmer temperatures of summer, cars over heat and may leak antifreeze. Antifreeze tastes sweet and is inviting to pets (and children). Call the veterinarian (or physician) immediately if any ingestion is suspected. A safe alternative to Ethylene Glycol antifreeze is available, it is called propylene glycol, and while it does cost a small amount more than 'regular' antifreeze, it is worth the peace of mind.

See DOG DAYS, page 13

Army chaplaincy celebrates 230 years of service

Office of the Chief of Chaplains

Army chaplains celebrate the 230th year of service to Soldiers and family members July 29. Aberdeen Proving Ground chaplains are offering a full day of activities.

A golf scramble starts at 8 a.m. at the Ruggles Golf Course. The event is open to all. An event fee of \$20 will be charged to military ID cardholders and \$25 to non-military personnel, and includes greens fees, cart and lunch. Registration forms can be picked up at the chaplain's office and must be returned with the fee by July 25. For more information, call Spc. Chad Emrick, 410-278-2886.

The APG anniversary concludes with a gathering of all Unit Ministry Teams at the installation chaplain's home for a barbeque and chaplain's historical display.

Historical perspective

From its establishment on July 29, 1775, by the Second Continental Congress, the Army Chaplaincy has had a long record of service for God and country.

The Army Chaplaincy is the oldest of the American Military chaplaincies, predating the Declaration of Independence by almost a year.

It has grown to be the largest diversified military chaplaincy in the world with chaplain and chaplain assistant de-ployments to every continent during its 230-year history.

Almost 14 percent of all Army chaplains have received battlefield decorations while serving as noncombatants in America's wars and conflicts. Some 400 chaplains have given their lives for their country. Six chaplains have been authorized to wear the Medal of Honor and four others received a special gold medal from Congress for heroism

during the sinking of the *Dorchester* in 1943.

Embedded in the chaplaincy's history are not only stories of incredible dedication, commitment, and selfless service by individual chaplains and chaplain assistants, but also accounts of adjustments to organizational change that enabled the Army Chaplaincy to endure.

A few examples of the challenges the chaplaincy has had to meet as an organization may illustrate this side of its history.

At the beginning of World War II, the Army Chaplaincy faced perhaps its greatest challenge. Only a generation old as

chaplains and assistants to provide religious support for Soldiers.

The attack of Pearl Harbor and Germany's declaration of war began a process of explosive expansion in the number of American military personnel.

Between 1940 and 1945 some 16 million men and women served in the U.S. armed forces, four times as many as in World War I. The Army Chaplain Corps grew to a total of 9,117 chaplains, 80 percent of whom had no prior military experience.

The challenges to the World War II Army Chaplaincy in terms of personnel expansion, doctrinal development, training, logistics, and organization foreshadowed later challenges of the same type but with lesser magnitude.

Ramping up the chaplaincy for service to Soldiers in Korea, Vietnam, Grenada, Panama, Southwest Asia, the Balkans, and in more than 100 other deployments from the Pentagon and World Trade Center attacks on 9-11 to Operations Enduring Freedom and Iraqi Freedom has engaged the attention of 15 chiefs of chaplains over the past 55 years.

The current transformation of the Army, which began in 1999, has launched both the Army and the Army Chaplaincy into a new revolution in military affairs. Fortuitously, this transformation began just two years before the War on Terrorism began.

In what may be the most far-reaching reorganization of religious support since World War II, the Army Chaplaincy will again be called upon to meet these new challenges.

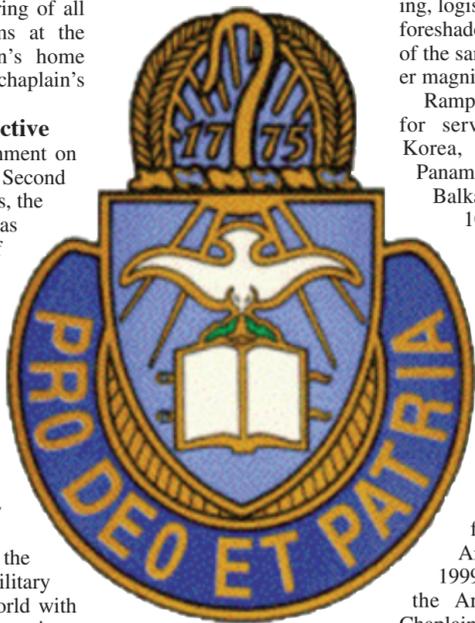
If its history is in any way prophetic, it will continue to do so – for its Soldiers, for chaplains, and for God and

country.

The occasion of the 230th anniversary of the Army Chaplaincy is a celebration of the constitutional right of

Soldiers, and all Americans, to the free exercise of religion even when serving in difficult and challenging parts of the world.

The motto of the Chaplain Corps in "Pro Deo et Patria," that is, "For God and Country," signifying duty and loyalty to the highest ideals.



a branch, the Chaplain Corps had barely 120 chaplains on duty in 1940. Chaplain (Col.) William Arnold was chief of Chaplains.

In April of that year, "the Carolina Maneuvers, an Army training exercise with 70,000 Soldiers, began at Camp Croft near Spartanburg, S.C. It was clear that the United States was preparing for war and would need a dramatic increase in the numbers of

Chapel services

Aberdeen Chapel, building 2485

Catholic

Sunday

8 a.m., Reconciliation (appointments anytime)

8:45 a.m., Sunday Eucharist

10 a.m., Faith Formation (September through May)

Monday and Tuesday

11:45 a.m., Weekday Eucharist (except holidays)

Wednesday

7 p.m., choir practice

Second Sunday

12:30 p.m., Catholic Youth of the Chapel (restarts in September)

Protestant

Sunday

9 a.m., Sunday School (September through May)

10:15 a.m., worship service

Thursday

7 p.m., choir practice (September through May)

Second Saturday

8 a.m., meetings for the Protestant Men of the Chapel

Meetings for Protestant Woman of the Chapel

7 p.m., Monday; 9:30 a.m., Thursday; and 6 p.m., Sunday

Gospel

Sunday

11 a.m., Sunday School

Noon, worship service

Tuesday

6 p.m., choir practice

Wednesday

7 p.m., Bible Study

Third Friday

7 p.m., Protestant Women of the Chapel – Women of Grace

Second and fourth Friday

7:30 p.m., prayer meeting

First Friday

11:30 a.m., Men's fellowship

Latter Day Saints

Sunday

2 p.m., Sunday service

Jewish

Thursday

Noon, luncheon with Rabbi

Islam

Friday

1:30 p.m., service, building 5447

Edgewood Chapel, building E-4620

Catholic

Sunday

10 a.m., Reconciliation (appointments anytime)

10:45 a.m., Sunday Eucharist

9:15 a.m., Faith Formation (September through May)

Wednesday to Thursday

11:45, Weekday Eucharist (except holidays)

Tuesday

7 p.m., choir practice

Thursday

7 p.m., Rites of Christian Initiation for Adults, adult discussion (September through May)

Fourth Sunday

12:30 p.m., Catholic Youth of the Chapel (restarts in September)

Protestant

Sunday

9:15 a.m., worship

Latter Day Saints

Sunday

1 p.m., service

For other faith groups, special programs, rites, sacraments or ordinances, call the Post Chapel at 410-278-4333.

To speak with a chaplain, first call the unit chaplain. If caller does not know their unit chaplain, call the chapel. After duty hours, in an emergency, contact the Staff Duty Officer, 410-278-4500.

Vacation Bible School

The APG Post Chapel will hold Vacation Bible School 6 to 8:30 p.m., Aug. 1 through 5. This year the chapel will embark on an exciting adventure as they travel with Chadder the Chipmunk and his friends on a "Serengeti Trek." Students will discover how to get wild about God.

Registration forms are available at the Chaplain's Office, building 2485.

For more information, call the Chapel, 410-278-4333 or Annette Emrick, 410-272-4460.



Morale, Welfare & Recreation

Youth bowlers bring home state championship



From left are APG Youth Bowling League and State Champions Raymond Burroughs, Ryan Anderson, Juan Ponce and Curtis Swauger.

Story and photos by **Carolyn H. Dawson**
APG News

APG's YABA Youth League has secured state champ status for the first time. Thanks to the hard work of its age 15 and up category, the APG youth bowling league ended its year with extra kudos, and more trophies, too at the Youth Bowling Awards Ceremony June 4.

"It's awesome," said Raymond Burroughs, 14, who has been bowling for 10 consecutive years, said of his teams' triumph. "We achieved something we can be proud of."

Last year the team came in 4th place. So this year, Burroughs and his teammates Ryan Anderson, 15; Juan Ponce, 17; and Curtis Swauger, 16, came up with a plan.

The plan, according to Anderson, was simple: to set a goal and achieve it.

"Our goal was to come in first place this year, and we

did. But we couldn't have done it without each other," Anderson said.

"We worked together as a team. If you got frustrated, it affected the others guys on the team and how everyone interacted," Ponce said.

Individual trophies

Boy's Handicap Game, Chris Denardi, 318

Boy's Handicap Series, Ryan Anderson 804

Boy's Scratch Game, Curtis Swauger 276

Boy's Scratch Series Vincent McCormick 646

Boy's High Average: Swauger, 171

Boy's Most Improved, Christopher Denardi, +23

Girl's Handicap Game, Ashley Taylor 280

Girl's Handicap Series Heather Miller 725

Girl's Scratch Game Angela Kerner 169

Girl's Scratch Series Megan Pace 399

Girl's High Average, Ashley Taylor, 154

Girl's Most Improved,

Brittney Shaw, +16
15 and under

In the age 15 and under category, another team of winners who snagged first place trophies was the Silver Sharks.

The two-year-old team is made up of Stefan Sexton, 12; David Sexton, 11; Kevin Carter, 10; and Christine Carter, 11.

"We worked hard, and did our best," Kevin Carter said. "Last year we came in second place, so we came up to first place this year."

"It's a good, fun sport, and you can play on a team with your best friend," David Sexton said.

Individual trophies

Boy's Handicap Game, Stefan Sexton, 243

Boy's Handicap Series, Kevin Carter, 669;

Boy's Scratch Game, David Sexton, 136

Boy's High Average, Kevin Carter, 95

Boy's Most Improved, Sam Cook, +18

Girl's Handicap Game,

Christine Carter, 247

Girl's Handicap Series, Michaella Patrick, 645

Girl's Scratch Game, Nae Nae Hamlin, 75

Girl's High Average, Christine Carter, 83

Girl's Most Improved, Nae Nae Hamlin, +10

Other bowling awards garnered at the State level competition held May 15 and 22 included Ponce who scored highest (with handicap) for all around bowler, and Curtis and Ponce taking first place in the doubles competition.

Bowling resumes in September

APG's 2005-2006 YABA league bowling starts back up on Sept. 10. There will be a rate increase of \$1 per week.

Coach Sandy MacDonald will be at the APG Bowling Center 11 a.m. to 1 p.m., Aug. 27, for early sign up.

For more information, call MacDonald at the APG Bowling Center, 410-278-4041.



Ryan Anderson, 15, bowls a strike during awards ceremony bowling June 4. An 11-year bowler, Anderson placed third in the individual event at State in a field of 225 youths.

APG lunch options

Recreation Center Snack Bar

Building 3326
Serves lunch Monday thru Thursday, 11 a.m. to 1:30 p.m.
For more information or to place an order, call 410-278-2621.

Ruggles Golf Course

Sutherland Golf Clubhouse
Building 5600
Lunch is served Monday thru Friday, 10 a.m. to 3 p.m.; Saturday thru Sunday, 7 a.m. to dusk.
For more information, call 410-278-7263.

Top of the Bay

Building 30
Lunch is served Monday through Friday, 11:30 a.m. to 1 p.m.
For more information or to place an order, call 410-278-3062.

APG Bowling Center Snack Bar

Building 2342
Fish strips, French fries, soda: \$5.85
Cold ham and cheese sandwich, (white bread only), choice of mayonnaise, lettuce or tomato, chips, soda: \$3.85
Both specials include one free game of bowling.
For more information or to place an order, call 410-278-4041.
Orders must be placed before 11 a.m.



Activities

Operating hours

The MWR Registration, Tickets and Leisure Travel Center is open from 9 a.m. to 5 p.m., Monday thru Friday, and 11 a.m. to 7 p.m., the first and third Friday of every month.

If that is a training holiday, the office will be open 11 a.m. to 7 p.m. on the Thursday prior.

For more information, call 410-278-4011/4907 or e-mail mwr_registration@usag.apg.army.mil.

Registration

Register for any MWR event by visiting the specific facility for the event, mailing in a registration form found in an MWR Program Brochure, visiting MWR Registration, building 3326, or visiting online at www.apgmwr.com.

Friday Social at Top of the Bay

Free munchies, music and games are featured at the Friday Social, 4 to 8 p.m. in the Down Under.

Additional beverages and food are available for purchase.

Rock climbing, darts, cards and table tennis are now being featured. Participants could win prizes and trips.

Jujitsu

These instructional classes in the "ancient art of hand-to-hand combat" are designed to enable the student to become proficient in the art of self-defense.

The course includes learning take-downs, grappling, gripping, and ground floor fighting to subdue an oppo-

nent.

The instructor for this course will be World Champion, Grandmaster Irving Soto, a 10th degree black and red belt, who has experience as an actor, stuntman, musician and was honored in the International Hall of Fame.

Start Smart Soccer for youths

Youths can register for Start Smart Soccer at the Aberdeen and Edgewood Youth Centers 5:30 to 6:30 p.m., Aug. 8 through Sept. 26.

The Start Smart Programs, created by the National Alliance for Youth Sports, help youths get ready for sports and

succeed in life.

It is a step-by-step approach that builds confidence and self-esteem, and makes sports fun.

Youths and parents can have a positive sports experience together.

Cost of the program is \$35 per person.

Register by appointment only at CYS Central Registration, building 2752, 410-278-7571 or the Edgewood Youth Center, building E-1902 on Wednesdays.

Introduction to Cooking

Class teaches basic cooking procedures used in preparing

home-cooked meals, special dinners, desserts, and other menu items. Cost is \$25.

Class meets on Wednesday, 6 to 8 p.m. at the Aberdeen Recreation Center. Register by Aug. 8.

Fly fishing techniques

Classes are for both beginner and experienced fly fishers.

The course covers fundamental mechanics and progression through advanced techniques.

Cost is \$25. Class meets on Friday Aug. 5 through 26 at the Aberdeen Boat Docks. Register by Aug. 3.

LIBRARY BOOK CORNER

Operating hours of the Aberdeen Library, building 3320, are 1 to 5 p.m., Saturday and Sunday and 11:30 a.m. to 6:30 p.m., Monday through Thursday and closed on Friday. For more information, call 410-278-3417.

The following is a list of some new books available at the APG MWR Library:

Dinner with a Perfect Stranger: an Invitation Worth Considering by David Gregory

Nick Cominsky accepts an invitation that he assumes is a gag: to have dinner with Jesus Christ himself. He soon finds out it's no laughing matter, and, despite his doubts and initial misgivings, he engages in a long conversation with the deity (who has jettisoned the long locks and sandals in favor of a Brooks Brothers haircut and blue suit).

The Architect by Keith Ablow

Architect Architect West Crosse, is hailed as a genius for his design skills. But underneath Crosse's art lies a dark soul, a man who wants to engineer human beings to match his perfect buildings. When a link surfaces among several bod-

ies, each dissected with a brilliant surgeon's skills, FBI forensic psychologist Frank Clevenger gets on the case.

Over Her Dead Body by Kate White

After getting the pink slip from another publication, Bailey Weggins takes a job reporting on celebrity crime for Buzz, a gossip magazine helmed by Mona Hodges. After Bailey discovers Mona's dead body in the editor's office, she is tapped to do the Buzz investigative article on the crime, and finds many likely suspects.

The library's Web site, www.apgmwr.com/recreation/libraries.html, provides access to the library's online catalog and also has a complete annotated listing of the library's new material, as well as a list of available films on DVD.

SCHOOL LIAISON/YOUTH EDUCATION

Upcoming Education available

Youth Services will present state certified Driver's Education classes 30 hours of instruction each and will begin on a Wednesday and end on Tuesday of the second week. There will be no classes on holidays. Parents and students must attend the first hour of class together (July 13, 16, 27, etc.) to review rules and procedures.

Class schedule Aberdeen Area, CPO Training Facility building 5467, 5:30 to 8:45 p.m.

Aug. 10 through 23
Sept. 14 through 27
Oct. 12 through 25
Nov. 9 through 22

Saturday class, 9 a.m. to 4:30 p.m.
Aug. 20 through Sept. 24

Nov. 5 through Dec. 3 Edgewood Area, Conference Center, building E-4811

July 27 through Aug. 9
Aug. 24 through Sept. 8 (closed Sept. 2 through 5)
Sept. 28 through Oct. 11
Oct. 26 through Nov. 8

Driver Classes

Nov. 28 through Dec. 9
Saturday class, 9 a.m. to 4:30 p.m.

Oct. 1 through 29
Students should bring their lunch to classes on Saturdays.

The cost is \$295 plus \$18 registration/membership fee for teens or family members 15 years of age or older, of military, retired, DoD (and DA) personnel and contractors who work at APG per student. Adults may also register on a case-by-case basis.

To register for classes in Aberdeen, call Christina Keithley, 410-278-7571 or Pat Palazz, 410-278-7479, building 2752. For Edgewood classes, visit the Edgewood Youth Center, building E-1902, Tuesday through Friday, 10 a.m. to noon, and 3 to 6 p.m.

For more information, call Greg Williams, Rules Driving School, Inc., 410-939-7008 or 937-2184, or Ivan Mehosky, 410-278-2857.

MSCS

From page 2

Birthright Pregnancy Resource Center in Bel Air, received \$400.

"The generous check will go toward our ministry, which is financed entirely by donations. We do not receive any federal or state funding," said Carol Maglov of Birthright.

The organization can provide emotional and specific support to young girls and women during and after pregnancy, and can provide layette, baby supplies and toddler clothes up until age 2.

Gold Star Operation of

APG received \$300 to help honor fallen Soldiers. Spearheaded by Elaine Valentin, the Gold Star flags are painstakingly hand-made with the names of Soldiers killed in action, then sent to their families.

Blue Star flags are also available for Soldiers currently in-service. Each flag costs about \$33, including postage.

Gold Star Operation of APG is funded entirely by donations, Valentin said.

Magnolia Elementary School, Grade 2 in Aberdeen received \$500 to take 100 children on field trips, said teacher Felicia Washington.

ATC

From front page

Schoomaker for his "unselfish, faithful and devoted service" and "unfailing support and understanding."

The ceremony also included a parade of vehicles and firing demonstration showcasing just a few of the more than 4,000 tests ATC conducted under Brown's command.

Focusing on the vehicles and equipment being used by Soldiers in the current war, the parade included the Abrams M1A2 System Enhancement Package, the Bradley Fighting Vehicle System A2, howitzers, several Stryker variants, and the M1151P1 HMMWV.

The M1151P1 HMMWV is the first HMMWV off the production line with an integrated armor production package. While not currently fielded, it is anticipated that the M1151P1 HMMWV will be available for the war effort later this year.

The firing demonstration featured the Common Remotely Operated Weapons Station, the Remote Weapon Station, a Bradley Fighting Vehicle System A3 and the Stryker Mobile Gun System.

Rooney comes to ATC from

DTC, where he was chief of staff.

"I am proud to join the ranks of Aberdeen Test Center," he said. "During the past two years I've been able to witness first hand the kind of difference you make every day for our Soldiers. It's because of your efforts that American lives are being saved on the battlefield, even as we speak."

Brown, ATC's 25th commander and first female commander, will retire in October after a career that spanned over 28 years.

"As a second lieutenant attending the Ordnance Basic Course here at Aberdeen, I wondered, with my peers, what mysterious testing those people behind the fence were doing," Brown said. "In my wildest dreams I never thought that I would one day come back to Aberdeen and command this great organization. I have absolutely had the best four years of my career right here."

During the four years Brown was commander, more than half a billion dollars were spent for tests and test support, 1.25 million miles were driven and more than 5 million rounds were fired, including 25 thousand large caliber.

22nd

From front page

sad and happy event, but also was a very significant milestone in the organization's history," he said.

Davis extended his best wishes to the incoming commander, Lt. Col. Patrick R. Terrell.

"I know you and B.J. are prepared for this tour of duty and will do well as you organize, train and lead your battalion; meeting tough command challenges head on and answering the call to duty in the service to our nation," Davis added.

In his farewell address, Amann reflected on his two years in command of the 22nd Chemical Battalion.

"The Army trained me on the aspects of the NBC warfare and groomed me in the fine art of leadership," Amann said. "However, the battalion has definitely introduced me to the ever-increasing complexities of my trade. The 22nd remains in the forefront of the chemical corps in its mission and national requirements."

Amann listed some of the battalion's many accomplishments during the past two years and noted that all the accomplishments were performed in the presence of actual chemical agents.

"Each mission is underscored by the fact there has never been an accidental release, injury to our personnel or the public or contamination to the environment," he said.

Amann expressed his deepest gratitude and respect to the personnel of the 22nd Chemical Battalion.

"Our motto - Times are Changing and we are Changing with Them - is appropriate," he said. "Your mission will continue to increase; the demand for your expertise will always be sought after; and the tools of your trade will constantly change."

Amann's next assignment will be with the battalion higher headquarters 20th Support Command (CBRNE), APG.

In a separate ceremony earlier that morning, Amann presented the Meritorious Service Medal for exceptionally meritorious service as the commander, U.S. Army Technical Escort Unit and 22nd Chemical Battalion (Technical Escort). His wife, Mary, received the Commander's Award for Public Service for providing unfailing leadership, motivational spirit, and untiring support as leader of the Civilian/Military Spouses and Family Readiness Group.

Terrell comes from the U.S. Army Human Resources Command where he served as chief, Chemical Branch, Officer Personnel Management Directorate.

"Contrary to many beliefs, this ceremony is not about commanders, but about the unit," Terrell said. "It demonstrates the seamless continuity from the past to the future. The ceremony allows us to remember our history and those who have gone before us."

"Today we also look to the future. Standing before you are some of the Guardians of the 22nd Chemical Battalion who comprise the shield that protects our nation from its greatest threat--the terrorist's use of chemical, biological, radioactive or nuclear weapons," he said.

"This is a threat we hope and pray is never unleashed upon our citizens or Soldiers. But hope and prayer alone are not enough to ensure the safety of our loved ones and our way of life."

"These Guardians stand ready every day to meet this threat. As in the past, we have changed to meet emerging threats and missions, and will continue to do that in the future," he added.

The 22nd Chemical Battalion (TE), formerly called the U.S. Army Technical Escort Unit, has over 60 years of experience in chemical/biological response, and has a long history of meeting the challenging needs of the nation.

Health & Safety

Safety in thunderstorms - use common sense

Ever since Benjamin Franklin flew a kite during a thunderstorm, lightning has been studied and researched. Lightning strikes cause millions of dollars in damages each year, destroying forests, homes, businesses and killing many people.

Age-old warnings against using the phone, stay away from the windows, don't take a shower, don't wash dishes and don't stand under trees during thunderstorms are still just as valid as ever. According to several lightning safety organizations, their rule of thumb is 'If you see it, flee it; if you hear it, clear it.'

Lightning can travel through the electrical, phone, plumbing, and radio/television reception systems. Lightning can also travel through any metal wires or bars in concrete walls or flooring.

When anyone is outside and unable to reach a safe area, they should stay away from anything metal - golf carts, golf clubs, bicycles, motorcycles and farm equipment. Stay away from wire fences, clotheslines, metal pipes, rails, and other metallic paths which could carry lightning from a distance.

In open areas, avoid natural lightning rods such as a tall isolated tree or small structure. Lightning often strikes as far as 10 miles away from any rainfall, and can even strike when the sky looks blue and clear.

Do not stand on a hilltop, in an open field, on the beach, or in a boat on the water. Stay away from open water. If anyone finds themselves in an open area, they should go to the lowest piece of ground available, but be alert for flash flooding.

• If anyone is isolated in an open area and they feel their hair stand on end (indicating lightning is about to strike), they should drop to their knees and bend forward putting their hands on their knees. Do not lie flat on the ground.

• If in the woods, seek shelter in a low area and under a thick growth of small trees.

• Don't use the telephone during the storm - lightning may strike telephone lines outside.

• Get out of the water and off small boats.

• Stay inside the vehicle if traveling. Vehicles offer excellent lightning protection.

• Don't use plug-in electrical equipment like hair dryers, electric tooth brushes, or electric razors during the storm.

• Stay away from open doors and windows, fireplaces, radiators, stoves, metal pipes, sinks, and plug-in electrical appliances.

• Stop tractor work, especially when the tractor is pulling metal equipment, and dismount. Tractors and other implements in metallic contact with the ground are often struck by lightning.

Guidelines to help everyone stay safe

When thunderstorms threaten the area, seek shelter inside a home, large building, or motor vehicle. If inside a building, avoid use of the telephone except in emergencies, and stay away from bathtubs, washing machines, water faucets, and sinks because metal pipes can conduct electricity.

Lightning ranks second only to floods for storm related

casualties in the United States every year.

Many deaths can be prevented if basic precautions are taken when thunderstorms are expected in an area. Listening to a radio to keep up to date on storms in the area is the first step in lightning safety.

A bolt of lightning can reach temperatures close to 50,000 degrees Fahrenheit in a split second, many times hotter than the surface of the sun.

Trees are frequent conductors of lightning to the ground. Since sap is a poor conductor, its electrical resistance causes it to be heated explosively into steam, which blows off the bark outside the lightning's path. It is commonly thought that a tree standing alone is more frequently struck, though in some forest areas, lightning scars can be seen on almost every tree.

Preventing lightning damage

One way to prepare is to install a lightning conductor or a lightning rod for preventing lightning damage to a building. A lightning conductor is a metal spike that is connected to earth by a low-resistance path. Should lightning strike a building, the current will travel through the conductor rather than through the fabric of the building, causing less damage.

Electrical equipment can be protected from lightning by a lightning arrester, a device that contains one or more gas-filled spark gaps between the equipment's cables and earth. Should lightning strike one of the cables, the high voltage will cause the gas in the spark gap to break down and become a conductor, providing a path for the lightning to reach the ground without passing through the equipment.

Safer locations

No place is 100 percent safe in a thunderstorm. Fully enclosed metal vehicles with the windows rolled up are good shelters, providing that no contact is made with any exposed metal inside or outside the vehicle.

When outside, avoid the following:

• High places and open fields

• Isolated trees

• Unprotected gazebos

• Rain or picnic shelters

• Baseball dugouts

• Communications towers

• Flagpoles

• Light poles

• Bleachers - stadium seating, metal or wood

• Metal fences

• Open top vehicles such as convertibles, tractors (contrary to myth, rubber tires are not protective)

• Golf carts

• Water - including the ocean, lakes, swimming pools, rivers

• Metal-shafted or conductive umbrellas, golf clubs, lacrosse sticks, baseball bats, shovels, or fishing rods

If anyone should find themselves trapped in an open area during a storm, they should position themselves close to the ground by squatting with their feet close together and on the

balls of their feet. Crouch in a ditch if possible. Avoid proximity to other people (minimum 5 meters or 15 feet). Since lightning spreads when it hits the ground, minimize as much contact area between the individual and the ground; do not lie on the ground in an attempt to minimize height. Remember, humans are good conductors of electricity, better so than air, and lightning tends to strike the highest thing in an area, because electricity will always take the path of least resistance.

Lone tall trees are particularly dangerous; the tree being moist, the electricity generally passes down underneath the bark, splitting it in all directions, and the lightning will pass to the best conductor near it. Cattle often seek shelter under trees during a thunderstorm and are frequently killed by strikes.

When inside avoid the following:

• The telephone - cellular and cordless telephone use is safe

• Taking a shower or bath

• Washing hands

• Washing dishes (basically anything to do with water)

• Washing clothes

• Any contact with conductive surfaces with exposure to the outside such as metal door or window frames, electrical wiring, telephone wiring, cable TV wiring, plumbing, etc.

• Using electrical appliances that plug into the wall

• Being near external windows and doors in general

• Using a radio or TV receiver with an antenna outside the house

Learn the thunderstorm danger signs: Dark, towering, or threatening clouds and distant lightning and thunder.

Have disaster supplies on hand, such as:

• Flashlight with extra batteries

• Portable, battery-operated radio and extra batteries

• First aid kit and manual

• Emergency food and water

• Non-electric can opener

• Essential medicines

• Cash and credit cards

• Sturdy shoes

A severe thunderstorm watch is issued by the National Weather Service when the weather conditions are such that a severe thunderstorm (damaging winds 58 mph or more, or hail three-fourths of an inch in diameter or greater) is likely to develop. This is the time to locate a safe place in the home and tell family members to watch the sky and listen to the radio or television for more information.

A severe thunderstorm warning is issued when a severe thunderstorm has been sighted or indicated by weather radar. At this point, the danger is very serious and everyone should go to a safe place, turn on a battery-operated radio or television, and wait for the "all clear" by the authorities.

(Editor's note: Information in this article is cited from <http://www.lightningsafety.noaa.gov/outdoors.htm> and <http://www.lightningsafety.noaa.gov/indoors.htm>.)

Important message for TRICARE prime patients seeking urgent care

KUSAHC

Effective since June 1, all urgent care through a civilian provider such as Patient First will require an URGENT referral from the primary care manager.

Urgent care conditions are those that do not threaten further disability or death if not treated immediately, but that require professional attention sooner than 24 hours to avoid the potential of such a threat. Examples are a rising temperature or a sprain.

If the Kirk U.S. Army Health Clinic call center representative states there are no same day appointments for urgent care, the call will be forwarded to a triage nurse in the

Pediatric or General Medicine Clinic.

If determination is made that urgent care is required, the Primary Care Manager will submit an urgent referral. If urgent care is required after hours, call the KUSAHC staff duty at 410-278-1725 who will ensure a referral is submitted by the patient's provider on the next business day. If a referral for urgent care is not received from the primary care manager, the patient may be billed under the Point-of-Service option. This means the patient will pay a higher cost-share and deductible.

Traveling with TRICARE Prime

In the event of an emergency

while traveling away from home, patients should call 911 or go directly to a hospital emergency room, not an urgent care center.

Emergency care does not require prior authorization but the patient's Primary Care Manager or Health Net should be notified within 24 to 48 hours or the next business day of any emergency inpatient admission. This gives the patient's PCM the opportunity to arrange for continuing treat-

ment once returning home.

If urgent care is needed by a patient while traveling near their home, contact the PCM first to coordinate urgent care at local urgent care facilities. If patient is out of the area, contact Health Net at 877-TRICARE

so they can help locate the nearest provider. If the patient does not coordinate their care through their PCM or Health Net, the care should still be covered under the TRICARE Prime point-of-service option as explained above.

DoD-funded device may be useful in breast cancer fight

Sgt. Sara Wood, USA
American Forces Press Service

A device for detecting early stages of breast cancer is being developed at the University of Pennsylvania and partly funded by the Defense Department.

Officials say the device has the potential to save some of the thousands of lives breast cancer claims each year.

The device, a pager-sized handheld unit known as "iFind," has been in the development process since 1993, and a prototype is now being tested, said Col. Janet R. Harris, director of congressionally directed medical research programs at Fort Detrick, Md.

The device is designed to be an accessory to self-breast exams, Harris said.

It works by sending a near-infrared light through the breast tissue, looking for areas of high blood flow, which can indicate an abnormality.

Britton Chance, emeritus professor of physics and radiology at the University of Pennsylvania Medical School in Philadelphia and developer of the device, said the light is absorbed by the extra blood in cancerous areas, therefore

sending less light back to the device.

If an abnormality is found, the device sounds an alarm and records the data and can be taken to a doctor for evaluation, Harris said.

The near-infrared light is safe and can be used often without risk, Harris said.

The goal is to market the device as a home-care item that would be available in drug stores and convenience stores, Chance said.

If research continues as planned, the device, which will probably cost about \$100, could be available in one or two years, he said.

Initial results from research on the device have shown to be accurate more than 90 percent of the time, Harris said. This device promises to be a very useful tool in the fight against breast cancer, she said.

"The research has been very, very promising," she said. "If we can detect problems earlier, there is a greater chance we can successfully treat them."

The DoD funding for this device is part of the DoD Breast Cancer Research Program, which began in 1992

when the Breast Cancer Coalition lobbied Congress for additional funding for research and prevention of breast cancer, Harris said. The program was assigned to the DoD because of its long history of biomedical research, she said.

Each year, an integration panel made up of scientists, breast cancer survivors and other experts meets to determine where the gaps are in research about breast cancer, Harris said. Based on these findings, a program announcement is put out soliciting proposals from scientists.

The list of proposals then goes back to the integration panel, and the members decide which proposals best meet the program's goal of detecting, preventing and treating breast cancer, she said.

The DoD program's unique partnership between the military, breast cancer survivors and scientists makes for strong, well-rounded results, Harris said.

"Our belief is that individuals working together and disciplines working together have a better chance of finding answers than one scientist alone," she said.

Mosquito fogging, spraying continues

Abdul Sheikh
DIO

Fogging and spraying for mosquitoes in the housing and barracks areas is held in Aberdeen at 6 p.m. on Wednesdays, and in Edgewood at 6 p.m. on Thursdays.

Fogging will not be done in rain or high winds, and swimming pool areas will not be fogged.

The training exercise areas will be fogged on alternate Mondays if the weather permits. In the FTX area, it is recommended that trainees use repellent to keep mosquitoes and other bugs away.

To ensure the health and safety of all residents, it is recommended that adults, children and pets remain in doors when the fog gener-

ator passes through their areas.

Parents should explain to their children that the fog is a pesticide used for killing mosquitoes and other flying insects, and that under no circumstances should the truck be followed or the pesticide inhaled.

Personal cars and trucks should be parked away from the fogging route. Motorists are reminded to avoid the fogging route during spraying.

Pest control personnel will make every effort to avoid accidentally exposing residents to the fogging material.

For more information, or to report a planned outdoor event on a fogging day, call 410-278-3303.

Waiving TRICARE deductibles and cost shares is illegal

Uniformed Services beneficiaries who use TRICARE Standard and Extra are responsible, under law, to pay annual deductibles and cost-shares associated with their care. The law prohibits health care providers from waiving TRICARE beneficiary deductibles or cost-shares and requires providers to make reasonable efforts to collect these amounts.

Health care providers who offer to waive deductibles and cost-shares or who advertise that they will do so may be investigated for program abuse and suspended or excluded as authorized providers.

According to Rose M. Sabo, Director, TRICARE Program Integrity, TRICARE Management Activity, "TRICARE prohibits any scheme designed to waive a patient's deductible or cost-share."

"One type of scheme comes in the form of a supplemental insurance program which covers co-payments or deductibles only for items or services provided by the entity offering the insurance. These programs can be identified when the 'insurance premium' paid by the beneficiary is insignificant and the premiums so low that they are not based upon actuarial

risks, but instead are a sham used to disguise the routine waiver of co-payments and deductibles. Such a scam can result in excessive utilization of items and services," Sabo said.

When Congress established beneficiary deductibles and cost-shares, their intent was to make the beneficiary a financial partner with the government. The cost-share encourages responsible beneficiary health care decisions when faced with choices, and acts to avoid waste of taxpayer dollars. Beneficiaries who have a financial risk associated with their health care decisions are more likely to choose cost-effective treatment for their medical conditions.

Beneficiaries should contact their local TRICARE Service Center for more information on deductibles and cost-shares. A list of TRICARE Service Centers and telephone numbers is located at <http://www.tricare.osd.mil/tricare-service-centers/default.cfm>.

If beneficiaries suspect provider or insurance fraud, they may report it by e-mailing fraudline@tma.osd.mil.

Sports

APG Soldiers, Perry Point veterans play softball



Sgt. Jose Guella relaxes in the shade with a patient during a softball game and picnic at the Perry Point Veterans Administration Medical Center June 21.

Story and photos by
Yvonne Johnson
APG News

More than 30 Soldiers from the U.S. Army Ordnance Center and Schools' Noncommissioned Officer Academy spent a sunny afternoon at the Veterans Administration Medical Center at Perry Point playing and interacting with patients during a softball game and barbecue June 21.

Staff Sgt. Brendan Roberts, small group leader, led members of Basic Noncommissioned Officer Course classes 23-05, 503-05, 27-05 and 22-05 to the event during which Soldiers escorted patients to and from their rooms, served meals, mingled and of course played softball.

"Basically we're spending the afternoon with them, sharing stories and developing friendships," Roberts said.

While many patients participated in the game others relaxed in the shade eating and chatting with the rest of the Soldiers.

In addition, 2nd Lt. Patricia Wakefield led OBC class 06-05 to the event to also serve as escorts to the patients.

Wakefield said that all participants were volunteers.

"It was no trouble coordinating this," she said. "Everyone wanted to take part in serving our veterans."

Sgt. Anthony Ridley coached the BNCOC players who won the game 20-10. Also the coach of the BNCOC intramural softball team, Ridley said the day went well.

"We've been having a great time," he said. "This is special because we don't get a chance to go out that much."

The Parkville American Legion Post #183 men and members of the ladies auxiliary grilled burgers and hot dogs for the event, led by post commander John Carpenter and auxiliary president Cecilia DeGraves.

Carpenter credited the auxiliary with, "making it happen."

"They do most of the work and they've been doing it for years," he said. "We just do the cooking."

"We're fortunate to have good weather today," DeGraves added, noting, "It rained and poured last year."



Sgt. Anthony Watson, Basic Noncommissioned Officer Course Class # 23-05, serves as the catcher for his team and a Perry Point Veterans Administration Medical Center patient waits for the pitch during a softball game and picnic between Aberdeen Proving Ground Soldiers and patients at the Perryville facility June 21.



Soldiers from the U.S. Army Ordnance Center and Schools' Officer Basic Course Class # 06-05 wheel Perry Point patients back to their dorms after the June 21 softball game.

Reich embodied spirit of Soldier-athletes at war

Tim Hips
Army News Service

Former Army World Class Athlete Program baseball pitcher Maj. Steve Reich, one of 16 servicemen killed June 28 when an MH-47D Chinook helicopter was shot down by enemy fire in eastern Afghanistan, was one of dozens of WCAP Soldiers waging the War on Terrorism.

Reich was one of eight members of the Army's 160th Special Operations Aviation Regiment, who, along with eight Navy SEALs, were aboard the chopper that crashed in the mountains near Pakistan's border during combat operations in support of Operation Enduring Freedom. He was serving his fourth tour of duty in Afghanistan.

A 1993 graduate of the U.S. Military Academy at West Point, N.Y., Reich, 34, of Washington, Conn., was a pitcher for USA Baseball's 1993 national team. He still holds Army records for career strikeouts (259) and innings pitched (260 2/3). He struck out 17 batters in a game once against rival Air Force.

Reich entered the Army's World Class Athlete Program in 1995 to train for the 1996 Olympic baseball team trials. WCAP is designed to give elite Soldier-athletes an opportunity to compete in the Olympics, world and national championships in numerous sports. The program provides Soldier-athletes as goodwill ambassadors for sporting events throughout the world and it helps the Army with recruiting and retention, said Paulette Freese, WCAP manager of the Army Community and Family Support Center.

Athletes in the program, however, live by the motto "Soldiers first."

Since the terrorist attacks of Sept. 11, 2001, at least 25 WCAP athletes have deployed to Iraq and Afghanistan alongside their brothers and sisters in arms.

"I just think that we had a special opportunity that had a timeline on it and I was real competitive at the times that I didn't deploy," said WCAP wrestler 1st Lt. Dominic Black. "I was doing something special, but at the same time, I was awaiting my turn to go to a unit that was going to deploy. The biggest thing

was to know that when it was my time, I was going to go."

Black eventually chose airborne school at Fort Benning, Ga., instead of a trip to Athens, Greece, to serve as Kerry McCoy's training partner for the 2004 Summer Olympics.

"I was feeling pretty hooah," said Black, who had served as McCoy's training partner in the 2000 Olympics at Sydney, Australia. "I was pretty fired up. I came back from Airborne school and deployed 30 days later.

"I have no regrets about it. I was excited to be in the 10th Special Forces Group [Airborne] and I was excited to deploy. I wanted the experience just to see what it was like, probably like any other Soldier. I was ready to take whatever challenge just to see how effective I could be." Black is among a long line of WCAP Soldiers who have deployed during wartime.

From the tight-knit wrestling community, Sgt. Charles Daniels, Sgt. Dave Nieradka and Sgt. Arron Hoaker have deployed to Iraq, as have All-Army boxers Staff Sgt. Corey Bernard, Sgt. Bradley Martinez, Sgt. Yamar Resto, Sgt. Michael Keopuhiwa, Sgt. Quentin McCoy, Staff Sgt. Christopher Downs and Sgt. Joe Guzman. Staff Sgt. Shaheed Shakir, also a boxer, has twice deployed to Iraq.

From the ranks of All-Army track and field, sprinter Spc. Rohsaan Griffin, distance runner Capt. Scott Goff and discus thrower Sgt. 1st Class Michael Mielke have served in Iraq. Lt. Col. Robert Harbison, who finished seventh in the 10-meter air rifle event in the 1996 Olympic Games, has served in Operation Desert Storm and Operation Iraqi Freedom.

Modern pentathlete Maj. Jim Gregory served in Afghanistan and Iraq. Team handball player 1st Lt. Sunny Chen, a military policewoman who represented the Army in the 2003 Pan American Games, also has served in both countries.

Capt. Curt Schreiner, a four-time Olympic biathlete, served in Iraq, as have biathletes Capt. Rob Rosser and Staff Sgt. Dan Westover, 1998 Olympians; Sgt. Lawton Redman, a 2002 Olympian; and Sgt. Doug Driessen. Spc. Elijah Hrbek, who competes in judo, also served in Iraq.

The WCAP is not confined solely to athletes. Maj. Anthony

Bare, a chief of sports medicine, is scheduled to deploy to Afghanistan in January, and former WCAP Commander Maj. Stephanie Tutton has served in Iraq.

"Based on the principle that Soldiers will be given the same opportunities as the people they defend, WCAP offers them an opportunity to compete at world-level sporting events," Freese said. "They come into the Army as Soldiers and they train as Soldiers — they just have unique skills. That's why they maintain their military structure and why we have a military detachment. And if they are called to war, they do go to war."

"Our philosophy has always been that if you are needed, then you will go. The majority of these Soldiers want to go. That same gung-ho mentality that makes them great athletes and makes them want to compete and win also makes them want to excel in their military skills."



Photo courtesy of USMA
Maj. Steve Reich, in this undated photo, pitches a baseball game for the U.S. Army Military Academy at West Point. Reich was a member of the Army World Class Athlete Program prior to his death June 28 when an MH-47D Chinook helicopter was shot down by enemy fire in Afghanistan.

Dog days

From page 6

Summer travel

If pet owners travel away from their normal veterinarian's location, they should check out the veterinary clinics/hospitals in the area that they are visiting, before the need arises. It is better to be prepared for an emergency and not have one happen than to panic in an emergency situation, wasting valuable time.

In addition to learning about the dangers of hypothermia, be warned of the dangers of a seemingly "solid" pool covering — the bubble-wrap solar cover for pools. Dogs can perish in pools with solar covers, perhaps thinking that the pool was solid.

The pool cover can actually trap the dog below the cover, leading to suffocation or drowning.

Keep animals well-groomed to stave off summer skin problems. Shaving a heavy-coated dog's hair to a one-inch length helps prevent overheating.

Don't shave the hair down to the skin,

though, or they will be robbed of protection from the sun. Cats should be brushed often.

Bring animals to the veterinarian for a spring or early summer check-up — including a test for heartworm, if the dog isn't on year-round preventive medication. Ask the doctor to recommend a safe pest-control program to combat fleas and ticks.

To prevent escape and/or accidental falls, make sure all windows in the home are properly screened.

Precautions:

- Leave dogs at home on warm days.
- On trips with the family pet, always carry a gallon of cold water for the pet.
- Don't let dogs ride loose in pick-up truck beds. The hot metal can burn a dog's paws, the sun and flying debris can hurt the dog, the dog can accidentally be thrown out of the truck if the brakes are suddenly applied, and the dog can jump out if scared or upon seeing something interesting to chase. Instead, use a crate to create a safer space for the dog if it won't fit inside the truck cab.
- Take dogs into the shade, an air conditioned area, or to the vet if there are signs of heat exhaustion, which include restlessness,

excessive thirst, heavy panting, lethargy, dark tongue, rapid pulse, fever, vomiting, glazed eyes, dizziness, or lack of coordination. To lower body temperature gradually, give the animal water to drink, place a cold towel or ice pack on the head, neck and chest, and/or immerse the dog in cool (not cold) water. Call a veterinarian.

- Don't force dogs to exercise after a meal in hot, humid weather. Exercise is best in the early morning or in the evening, and keep walks to a minimum.

- Never leave a dog standing on hot asphalt. His body can heat up quickly and his sensitive paw pads can burn.

- According to Maryland law regarding pets, it is against the law in most jurisdictions to leave a pet unattended in a standing or parked motor vehicle in a manner that endangers their health or safety.

Article 20, section 604, cruelty to animals includes

- Any person who overdrives, overloads, deprives of necessary sustenance, tortures, torments or cruelly beats or
- causes, procures or authorizes these acts or
- having the charge or custody of an animal,

either as owner or otherwise, inflicts unnecessary suffering or pain upon the animal, or unnecessarily fails to provide the animal with nutritious food in sufficient quantity, necessary veterinary care, proper drink, air, space, shelter or protection from the weather ... is guilty of a misdemeanor punishable by a fine not exceeding \$1,000, or imprisonment not to exceed 90 days or both.

Post residents should also refer to APG Housing Regulation 210-8, Control of Pets.

A person may use reasonable force to remove from a motor vehicle a cat or dog left in the vehicle in violation if the person is a law enforcement officer; a public safety employee of the state or of a local governing body; an animal control officer under the jurisdiction of the state or a local governing body; an officer of a society or association, incorporated under the laws of this state for the prevention of cruelty to animals, authorized to make arrests under the provisions of Article 10, section 604 of the code; or a volunteer or professional of a fire and rescue service.

(Editor's note: Author used http://www.paw-rescue.org/PAW/PETTIPS/DogTip_HotCars.php as a reference resource.)

Army announces greatest Army inventions for 2004

Larry D. McCaskill
RDECOM

Researchers and scientist with the U.S. Army Research, Development and Engineering Command centers and laboratories collected eight of the 10 awards presented recently as senior Army science and technology leaders gathered to recognize the U.S. Army's "Top Ten Greatest Inventions of 2004" in an awards ceremony June 8.

The Army-wide awards program is dedicated to recognizing the best technology solutions for the Soldier. The commanding general of the U.S. Army Materiel Command, Gen. Benjamin Griffin, and the U.S. Army Vice Chief of Staff Gen. Richard Cody, presented the awards to the selected teams.

Leading the list of RDECOM awardees are the U.S. Army Research Laboratory with three selections followed by the U.S. Army Armament Research Development Engineering Center with two and the U.S. Army Aviation and Missile Research, Development, and Engineering Center and the U.S. Army Communications Electronic Research Development and Engineering Center each receiving one award.

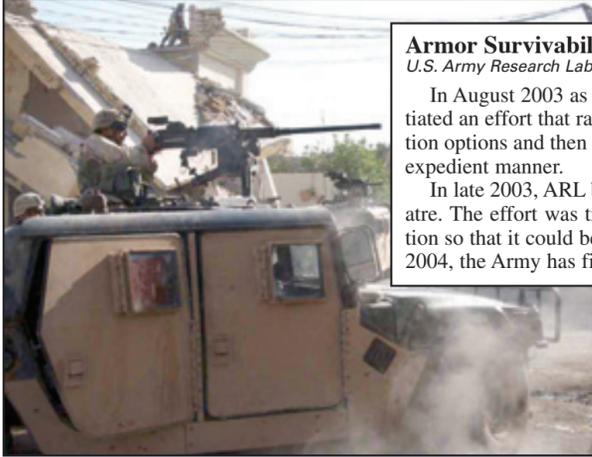
"As Gen. Cody and I sit here, I can tell you, we both have a great appreciation as previous division commanders for what is happening here," Griffin told the audience of scientists and researchers. "I appreciate and I am excited about what you are doing and I challenge you to continue doing what you are doing."

Award nominations were solicited and submitted from across the Army laboratory community.

Voting for the inventions was placed in the hands of the Warfighters themselves. Army units ranging from active duty divisions to the U.S. Army Training and Doctrine Command and the Army's vice chief of staff voted on the programs based upon their impact on Army capabilities (the breadth of use and magnitude of improvement over existing systems), inventiveness and potential benefit outside the Army.

Each of the 10 selected teams received a crystal award and team members received certificates of participation.

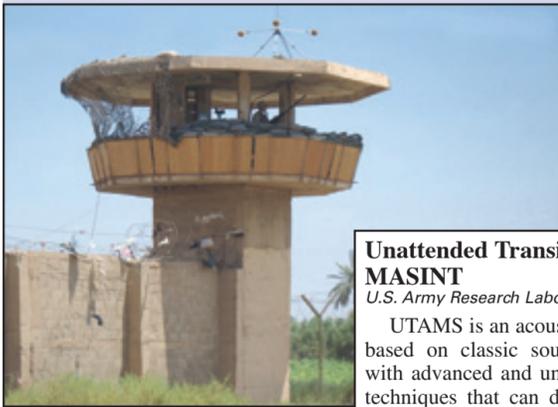
For more information, contact the RDECOM Public Affairs Office, 410-436-4345.



Armor Survivability Kit for the HMMWV
U.S. Army Research Laboratory - Weapons and Materials Research Directorate

In August 2003 as Operation Iraqi Freedom casualties were increasing, ARL initiated an effort that rapidly investigated high mobility multi purpose vehicle protection options and then quickly down selected to a solution that could be fielded in an expedient manner.

In late 2003, ARL began producing prototype kits that were later installed in the theatre. The effort was transitioned to the TARDEC, who further developed the solution so that it could be mass produced by the Army Depot System. As of December 2004, the Army has fielded more than 8,000 kits.



Unattended Transient Acoustic MASINT
U.S. Army Research Laboratory

UTAMS is an acoustic localization system based on classic sound ranging principles with advanced and unique signal processing techniques that can detect and isolate transient events such as mortar or rocket firings, munitions impacts, and other explosive events.

In its current configuration, each of the UTAMS' three to five acoustic sensor arrays independently processes the detected events based on statistics from the signal content against the background noise, computes line-of-bearing to the firing locations, and sends the line-of-bearing information to a central base station laptop computer via a RF radio link. The base station performs source localizations via correlation and triangulation techniques. Due to the short and accelerated schedule, only a crude transient classifier was implemented in UTAMS. ARL is currently developing a more robust classifier that further differentiates between mortar, rocket, RPG and small arm fire events.

Lightweight Handheld Mortar Ballistic Computer
U.S. Army Armament Research Development Engineering Center Armaments Engineering and Technology Center

A team of ARDEC engineers, in support of Product Manager Mortar Systems, developed a Lightweight Handheld Mortar Ballistic Computer System for all mortar weapon systems. The LHMBC program includes both hardware and software development. The software was developed via an in-house ARDEC effort, and the hardware was acquired through PM Common Hardware and the GSA schedule. The Personal Digital Assistant hardware is produced by Talla-Tech Industries in Tallahassee, FL.



Chitosan Hemostatic Dressing
U.S. Army Institute of Surgical Research U.S. Army Medical Research and Materiel Command

The chitosan dressing was originally developed by investigators at the Oregon Medical Laser Center and at the US Army Institute of Surgical Research, using funding from the US Army.

Chitosan is a biodegradable, nontoxic, complex carbohydrate derived from chitin, a naturally occurring substance. In an initial test of prototype laboratory-constructed dressings, this dressing significantly increased survival rates and reduced both blood loss and resuscitation fluid requirements following Grade V liver injuries in swine. The dressing is a freeze-dried chitosan-based dressing designed to optimize the mucoadhesive surface density and structural integrity of chitosan at the site of injury. This dressing is sold commercially as a 10 cm x 10 cm x ~2 mm thick square dressing with non-absorbable backing, and is packaged in a vacuum sealed aluminum pouch.

Electronic Information Carrier
U.S. Army Medical Research & Materiel Command Telemedicine & Advanced Technology Research Center

The Wireless Electronic Information Carrier is a wireless data storage device the size of a dog-tag that is capable of storing up to 4GB of data. The real power of the WEIC is its ability to securely and wirelessly read & write data within a range of 10 meters of medical devices such as the Battlefield Medical Information System Telemedicine and the Composite HealthCare System II-T. It also has a universal physical interface which ensures its compatibility with any commercial/government-of-the-shelf.

The Personal Information Carrier on the other hand, is an earlier non-wireless version with storage capacities up to 1GB. Like the WEIC, it is a rugged, low power consumption, flash memory device that is hardware and operating system independent.



IED Countermeasure Equipment
U.S. Army Research Laboratory

The IED Countermeasure Equipment is a radio-controlled IED countermeasure designed by ARL Soldiers, Survivability Lethality Analysis Directorate and Physical Science Lab New Mexico State University engineers to defeat certain remote controlled IEDs.

The SLAD/PSL team designed and built the system in less than four months by leveraging existing corporate knowledge and capability.

The ICE design is government-owned and is completely composed of commercial off the shelf technology. The Department of the Army IED Task Force identified ICE as a preventative solution to IED casualties and vetted the system through its confirmation process.

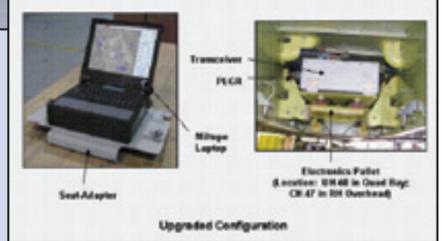


M107 Cal .50 Long Range Sniper Rifle
U.S. Army Armament Research Development Engineering Center Armaments Engineering and Technology Center

The M107 is a .50 caliber long range sniper rifle effective against light materiel & personnel targets. The M107 is used to attack various materiel targets such as parked aircraft; command, control, communications, computers, and intelligence sites, radar sites, ammunition, petroleum oil and lubricants and various other thin skinned materiel targets to include lightly armored vehicles. The M107 is used in a counter sniper role taking advantage of the longer stand off range and increased terminal effect when opposing snipers are armed with smaller caliber weapons.

Upgraded Aviation Force Battle Command Brigade & Below / Blue Force Tracking [Upgraded Aviation FBCB2 / BFT]
U.S. Army Aviation and Missile Research, Development, and Engineering Center Aviation Applied Technology Directorate and the Engineering Directorate

AMRDEC's Upgraded Aviation FBCB2/BFT is a paradigm-shattering communication and tracking system that provides global, real-time, situational awareness and command and control to/from air and ground platforms in a compact militarized package. Consisting of a Miltope Laptop Computer, satellite antenna and Global Positioning System receiver, BFT displays the air or ground platform's location on the computer's terrain-map display along with the respective location of other air and ground platforms. BFT can also be used to send and receive "e-mail" text messages.



Army Combat Uniform
Natick Soldier Center/PEO Soldier U.S. Army Research Development and Engineering Command

Recent events demonstrated the increased dependence on ground troops to accomplish our military objectives. Combat uniforms that provide camouflage protection in multiple environments are necessary such as desert, woodland and urban.

A new combat uniform was developed to increase performance capabilities through the application of new camouflage technologies, incorporation of functional fabric finishes, and design engineering for increased operational effectiveness. The development of the Army Combat Uniform with a Universal Camouflage pattern meets the US Army operational requirements.

The Chief of Staff of the Army approved the ACU to replace the Battle Dress Uniform and the Desert Camouflage Uniform.

