



Volume 9, Number 1

April, 2009

• We make war that we may live in peace. – **Aristotle**

• In war there is no substitute for victory. – **General Douglas MacArthur**

• Once we have a war there is only one thing to do. It must be won. For defeat brings worse things than any that can ever happen in war. – **Ernest M. Hemmingway**

• “but for a soldier his duty is plain. He is to obey the orders of all those placed over him and whip the enemy wherever he meets him.” – **General Ulysses S. Grant, letter to Washburne, June 19, 1862**

• Always forgive your enemies--nothing annoys them so much. - **Oscar Wilde**

• War is an ugly thing, but not the ugliest of things. The decayed and degraded state of moral and patriotic feeling which thinks that nothing is worth war is much worse. The person who has nothing for which he is willing to fight, nothing which is more important than his own personal safety, is a miserable creature and has no chance of being free unless made and kept so by the exertions of better men than himself. – **John Stewart Mill**

• Never give in -- never, never, never, in nothing great or small, large or petty, never give in except to convictions of honour and good sense. Never yield to force; never yield to the apparently overwhelming might of the enemy. – **Winston Churchill**

## *Our Newly Elected President and Spouse*



*Bob and Linda Heine*

**ROBERT L. HEINE**

**MAJOR GENERAL (RETIRED),**

**U. S. ARMY**

**WILL BE TAKING OVER AS OUR NEW**

**PRESIDENT IN NOVEMBER, 2009**

*(See complete bio on page 3)*



## Letter from the President

As I sit at my keyboard to compose yet another letter from the President+ message I find it hard to believe in just 8 months I will be completing my term in office. It really does seem that it just began.

During the last few months our board presented the Person of the Year+ award to Joanne Sova. Joanne has been such an integral part of what we and the TEC do on a day to day basis. The award is richly deserved. I don't know what we'd do without her.

Speaking of terms ending, it is my pleasure to announce that we have recently filled a vacant position on our board. MG Robert Heine has accepted the position of President-elect and will assume the office of President of the ENCOM Association this coming November. I have worked for Bob while he was AC/S Materiel. He is committed and there is no question he will do an exemplary job during his term of office.

Plans are currently in the works putting together a 20 year reunion of the unit's deployment to Desert Storm. Tentative plans have this event scheduled for the fall of 2010 in the Oak Brook area. The weekend will include a dinner/dance and picnic. The board is currently developing a database of those who were deployed and will begin contacting as many individuals as possible to get feedback as we make our plans. We hope everyone will make an effort to attend.

In the next few months our membership chairman, Tom Ryterske, will be sending out notices for the bi-annual dues. We also encourage everyone to consider a lifetime membership.

With each passing year our organization attracts more members and the quality of our activities continues to be upgraded. I encourage each retiree to join the association and take advantage of what we offer. As with any organization, it is only as good as the members who make it up.

Thank you again for your support!



SGM(R) DAN LOPATOWSKI  
ENCOM ASSOCIATION, PRESIDENT

## Desert Shield/ Desert Storm Reunion

Initial planning for a Desert Shield/Desert Storm (DS/DS) deployment reunion in September of 2010 has been started. While final plans have not been completed, it looks like the reunion will be held at a hotel in the Oak Brook, Illinois area. The planned schedule of events will include a reception on Friday evening, dinner on Saturday evening, an informal breakfast on Sunday, and a picnic on Sunday. During the day on Saturday there will be several informal events to include a shopping trip to Oak Brook Center, golf, tour of downtown Chicago, etc. The picnic on Sunday is planned to be held at Cantigny Park in Wheaton, Illinois. Cantigny has a large static display of military equipment and the First Division Museum.

Presently the planning committee includes Dan Lopatowski, [lopat416@sbcglobal.net](mailto:lopat416@sbcglobal.net), Jack Kotter, [bgkotter@sbcglobal.net](mailto:bgkotter@sbcglobal.net), and Bill Hawes, [wjhawes@sbcglobal.net](mailto:wjhawes@sbcglobal.net). Anyone interested in helping with this event should contact any of the people referenced above. While we are looking for additional people to work on the committee, any ideas would also be very welcome. As plans are firmed up, they will be posted on our web site (<http://www.encomassociation.info/>).

Over the almost 18 years since the redeployment, many people have moved and we have lost contact with them. We are presently working on obtaining current contact information for these lost individuals. We have the original deployment orders for both the Headquarter and the Facility Engineer Detachments to help with this project. We are also interested in developing a list of other individuals that had a close relationship with the 416<sup>th</sup> ENCOM during its deployment for DS/DS to invite them to the reunion.

If someone is viewing this article but was not sent the newsletter by email or snail mail, the Association does not have your current contact information. To insure that our mailing list is current, forward your current address and email address to Jack Kotter at [bgkotter@sbcglobal.net](mailto:bgkotter@sbcglobal.net) or 381 Windemere Way, Bourbonnais, IL 60914-1515

## 416th ENCOM ASSOCIATION

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**ROBERT L. HEINE**  
**MAJOR GENERAL (RETIRED),**  
**U. S. ARMY**



**M**AJOR GENERAL ROBERT L. HEINE was commissioned in the Chemical Corps upon receiving a Chemical Engineering degree from Auburn University in December 1968. He remained at Auburn to complete his Master of Science in Chemical Engineering before completing his initial active duty for training.

Major General Heine transferred to the Corps of Engineers in 1974. He served as a platoon leader, company executive officer, and company commander with the 478<sup>th</sup> Engineer Battalion (Combat)(Corps), commanded the 810<sup>th</sup> Supply Company, and then returned to the 478<sup>th</sup> for several staff assignments. His field grade assignments included Chemical Officer, 364<sup>th</sup> Engineer Group, Executive Officer of the 983<sup>rd</sup> Engineer Battalion (Combat)(Heavy), and S3 of the 364<sup>th</sup> Group. He commanded the 983<sup>rd</sup> Engineer Battalion from February 1990 through August 1993. Following command, he served as Real Property Maintenance Activity Manager for the 416<sup>th</sup> Engineer Command Facility Engineering TDA, and Assistant Chief of Staff-Materiel at the 416<sup>th</sup> Engineer Command. He served as Chief of Staff, 416<sup>th</sup> Engineer Command from October 1996 through May 1999. He became the Deputy Commanding General for Mobilization and Training, U.S. Army Maneuver Support Center, Fort Leonard Wood, in May 1999 and was promoted to Brigadier General on 1 December, 1999. He assumed command of the 416<sup>th</sup> Engineer Command and was promoted to Major General on 1 June 2002. Under his command, the 416<sup>th</sup> mobilized for Operation Iraqi Freedom from January through July, 2003. In January 2005, he was again mobilized and transferred to Multi-National Forces-Iraq, with service as the Director of Operations, Iraq Reconstruction Management Office, U.S. Embassy-Baghdad, where he served through June 2006.

Major General Heine served on the Army Reserve Forces Policy Committee from May 2000 through October 2003 and on the Reserve Forces Policy Board from October 2003 through his retirement on 31 July 2006.

Major General Heine is a graduate of the Chemical Officer Basic Course, the Engineer, Chemical, Ordnance, and Quartermaster Officer Advanced Courses, the Army Command and General Staff College, and the Army War College. His awards and decorations include the Distinguished Service Medal, the Legion of Merit with two oak leaf clusters, the Bronze Star Medal with oak leaf cluster, the Meritorious Service Medal with two oak leaf clusters, the Army Commendation Medal with oak leaf cluster, the Army Achievement Medal, the Office of the Secretary of Defense Identification Badge, the Army Staff Identification Badge, and the Engineer Regiment's Silver and Bronze de Fleury Medals. For his service with the US Embassy Baghdad, he was awarded the Department of State's Superior Honor Award.

Major General Heine is currently the Principal Engineer Strategic Advisor at Concurrent Technologies Corporation, providing professional services to the Corps of Engineers and Army Engineer School, and is a registered Professional Engineer in Michigan. He has served as the Senior Mentor for deploying Army Reserve Component Engineer Brigades since July, 2007.

## Reduced Violence Aids Iraq Reconstruction Efforts, General Says

By Gerry J. Gilmore

AMERICAN FORCES PRESS SERVICE

WASHINGTON, Jan. 26, 2009 . Greatly reduced violence in Iraq over the past year has aided in the completion of a multitude of reconstruction projects that benefit the Iraqi people, a senior U.S. military officer posted there said yesterday.

Five years ago, the U.S. Army Corps of Engineers Gulf Region Division was tasked with overseeing a great deal of the reconstruction effort in Iraq, Army Maj. Gen. Michael R. Eyre, the GRD commanding general, told reporters during a news conference held in the organization's Baghdad headquarters. The GRD in Iraq, Eyre said, consists of more than 600 federal civilian employees and service members, plus thousands of contractors. The organization also includes more than 400 Iraqi employees, he said. GRD-managed construction projects employ 25,000 to 30,000 Iraqis daily, Eyre said, noting that nearly 75 percent of his organization's active contracts are awarded to Iraqi businesses.

Eyre said he is humbled and amazed by the remarkable progress that has been achieved along the reconstruction front in Iraq since he took command of the division in October 2008. Such projects, he said, include new or renovated schools, health clinics and hospitals, new or upgraded water treatment and power plants and more. The greatly improved security situation has really allowed the reconstruction progress to advance, Eyre said, and we are turning projects over to the government of Iraq every week.

Recent surveys demonstrate that most Iraqis' No. 1 concern today is obtaining essential services, Eyre said. In the past, he noted, Iraqi citizens' top concern was security. We continue to work nonstop with our Iraqi partners to improve the quality of life for all Iraqis, Eyre said. More than 4,400 Iraq reconstruction projects valued at nearly \$7 billion have been completed since January 2004, he said. Meanwhile, the GRD continues to partner and coordinate with senior Iraqi government officials, Eyre said, to ensure that everything we do is building toward completed projects that meet the needs of the people of Iraq. In this endeavor, he added, the Iraqi government is in the lead, while the GRD takes a supporting role. The GRD's reconstruction projects are providing Iraqis essential services such as energy, water, education, security and health care facilities and transportation, said Richard A. Hancock, the GRD's director of programs, who accompanied Eyre at the news conference.

Just last week, Hancock said, a new water treatment plant was opened that has the capability to provide clean drinking water for more than 190,000 residents of Baghdad's Sadr City district. The Sadr City water treatment plant is among more than 800 water-supply projects that have been completed throughout Iraq, Hancock said. These projects, he said, have directly impacted the quality of life, health and well-being for more than 5 million people.

Meanwhile, Hancock said, a soon-to-be-completed expansion of the electrical power plant at Qudas, north of Baghdad, will have the capacity to add 180 megawatts of electricity to Iraq's power grid. These added megawatts are equivalent to enough power for 180,000 homes, Hancock said, noting that the Iraqis will take over management of the plant this spring.

The GRD also has turned over 132 primary health clinics and 41 hospitals to the Iraqi Ministry of Health, Hancock said. These hospitals and clinics provide modern facilities for the treatment of millions of patients in all parts of the country, Hancock said, while ensuring a clean and modern workspace for health care workers. To attract top-notch physicians, Hancock said, many of the larger health care facilities offer off-site housing for doctors.

It's also important, he said, to acknowledge the key role that education plays in Iraq's future. We have built or renovated more than 1,100 schools, Hancock said, that provide Iraqi children with the kind of quality facilities they deserve. Other reconstruction efforts, Hancock said, are geared toward adult education needs, such as the dormitory, classroom and auditorium renovation projects now under way at a 1,400-student vocational school in Iskandaria, south of Baghdad. One of the best parts of that school, Hancock said, is that as students graduate we are putting many of them right to work on the construction site, expanding the school that they just graduated from [and] using the skills they just learned.

# The Mobilization of the 416<sup>th</sup> TEC-Iraq

## 400 days (series)

On November 6<sup>th</sup>, 2008 the 416<sup>th</sup> Theater Engineer Command - Iraq was mobilized and the concept of the Deployable Command Post (DCP) became a reality. Seventy-four personnel strong and several weeks of intense training already in hand, the 416<sup>th</sup> was ready to conduct their unique operation within Iraq.

But before we report on the operation in Iraq, this story shall focus primarily upon the preparation of the 416<sup>th</sup> personnel during their three-week mobilization at Ft. McCoy, WI.

The pace of this three-week training period was much different than what was experienced at the Regional Training Center (RTC) in September as we began to place the finishing touches on our preparation before deploying to Iraq.

At the mobilization site we continued to receive more clothing and equipment for our journey overseas. We again went through all of our records to ensure all required documents were in place. It was sort of a triple and quadruple check at this point. We also all relished getting more immunizations, including smallpox for some of us lucky ones! This is one of those high maintenance types of immunization. We then went back for more issued items, including our custom-fitted body armor. While this piece of equipment is heavy, bulky, and cumbersome, it most assuredly could save your bacon and was perhaps the most important piece of gear that we possessed.

We next turned our attention to a staff exercise to allow our unit personnel to operate together in a controlled scenario. Our staff has not operated in this respect since we were first notified of our impending deployment last March. And even though once in country we will not be together to operate in such a capacity, our personnel performed remarkably well and learned a great deal during this military decision making process (MDMP).

Then the fun really began as we got to play outside in the cold Wisconsin environment. So much for acclimation to the desert environment! One such day we were to defend a base camp. This is something you learn early in your military career. But one afternoon we had several Lieutenant Colonels and Master Sergeants manning fighting positions and freezing in place! I am uncertain if anyone informed our trainers that this is something you really did not need to practice much. In fact, I told my fighting position partner that if the time came when a Lieutenant Colonel and Master Sergeant were manning fighting positions then the war was not going too well!

We finished up our training at Ft. McCoy with a few real life scenarios. The first was a live fire range that was interesting because we were to engage pop up targets at close range, which is the type of combat currently occurring in Iraq and Afghanistan. This particular range however had several targets that would popup, all of which were different. You, the shooter, had to positively identify your target before taking your weapon off of safe and subsequently firing. There were friendly targets or non-combatants, and then the bad guys. Positive identification was the key here. Safety was also stressed over and over because you were moving with a loaded weapon and had to turn to face your targets, so it was imperative that everyone was alert and knew exactly where their weapon muzzle was at all times. Most of our unit was also using the newer M4 rifles, the smaller and lighter cousin of the M16. I had my trusty M9 pistol to fire this day. This was excellent training and our cadre on the range was exceptional.

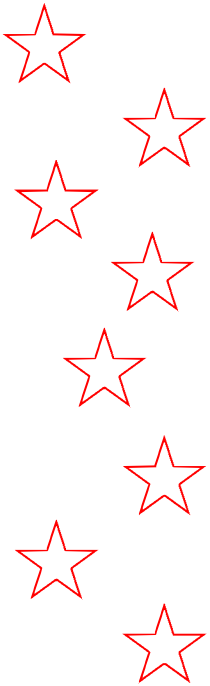
[Continued on page 6]

## The Mobilization of the 416<sup>th</sup> TEC-Iraq

[Continued from page 5]

We also went back through some training we had received at RTC. Room clearing procedures are being stressed at mob sites because this is the type of war that was being waged in Iraq, and while we would never master these skills in such a short time, at least we had a good clue if ever faced with this type of situation.

The last of our training was revisiting convoy operations. The key here was staying alert so you would stay alive. About 65% of the casualties in Iraq are a direct result of IEDs (Improvised Explosive Devices). It has become a real life chess match where the insurgents detonate IEDs using certain tactics, techniques, and procedures (TTPs) and then we counter these techniques, which in turn forces them to change procedures, and so on.



### End of mobilization training

Then we had our four-day pass for the Thanksgiving holiday. Of course, it was far too short and that Sunday was incredibly difficult for all unit members. Saying good-bye for three weeks is one thing, but now it was time to bid farewell for the better part of a year.

We finished our mobilization experience with a farewell from a few of our unit leaders, including COL John Lendrum our Chief of Staff and COL (P) Chestnut our new Deputy Commander, who wished us well and knew the mission we were about to embark was a big one for the unit, the Army Reserve, and the United States of America. Failure in the mission was not an option as there would be many eyes upon us and all in the 416<sup>th</sup> were and are up for the challenges that lie ahead. We will not fail.

The next in this series will come from Iraq.

*Photo and story by:*

LTC MITCHELL R. WAITE, PH.D.

16<sup>TH</sup> TEC-IRAQ

# East Coast Reunion – Manassas, VA

14 March 2009

## East Coast Reunion – Manassas, VA:

As interest for an event in Hawaii was minimal, we have decided to move up the Manassas, Virginia reunion event planned for next year to this year. Make your plans for the weekend of 17-19 July 2009. A special group hotel rate of 89.00 per night has been secured with Four Points Sheraton-Manassas, which is located just minutes from the Manassas Battlefield Park. The hotel facilities are recently remodeled and the rooms are beautifully furnished along with new LCD TVs, and all the amenities.

In addition to many local attractions in the Washington DC area, the Manassas Battlefield will be Celebrating the 148th Anniversary of First Battle of Manassas on Saturday, July 18, 2009. Activities include: Special Ranger Tours of battlefield; Ranger Talks on facets of first battle and campaign; living history participants offering demonstrations of musket and artillery firing; infantry and artillery tactics, soldier life encampment; living history impressions of Union and Confederate soldiers. Our group may qualify for free passes and details on this will be updated as they become available.

For the golf enthusiasts, there are a number of first rate golf courses in the area to choose from, and more information on this will be provided in the official weekend schedule. The new Air and Space Museum Annex is easy access 20 minutes from the hotel, and right next to Dulles International Airport. For those interested in shopping and sightseeing in old town Manassas there are walking tours of the old train station, museums, and other historic sites within the area, and a packet of information for these sites will be provided to you when you arrive for the weekend.

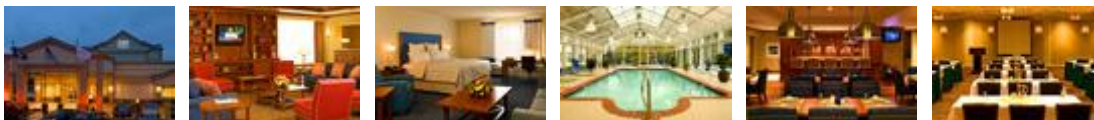
The guest speaker for Saturday evenings dinner/social event, and the cost of the dinner is still to be determined, however updated information will be provided as we approach this date.

DOUGLAS PATTERSON, LTC (RET)

[dtpwarrior@msn.com](mailto:dtpwarrior@msn.com)

## Four Points by Sheraton Manassas Battlefield

10800 Vandor Lane · Manassas, Virginia 20109 · United States  
Phone: (703) 335-0000



### Overview

Convenience is Key. Four Points by Sheraton Manassas Battlefield is located 25 minutes southwest of Washington, D.C. We are easily accessible from I-66, US 234 and US 29 and convenient to all Washington, D.C. area airports. Not to mention attractions such as the Civil War Museum, Battle of Antietam, Historic Downtown Manassas Museum, Bull Run Park, Prince William Fairgrounds, and Nissan Pavilion.

Get comfortable. Relax in one of the 158 spacious rooms that Four Points by Sheraton Manassas has to offer. Enjoy dinner and drinks at Applegates or simply relax by the pool. Don't want to skip your daily workout? Try out our state of the art equipment in our fitness center. At the end of the day get comfortable in the Four Points by Sheraton Four Comfort Bed.

The Perfect Spot for Business or Pleasure. No matter what brings you to town, Four Points by Sheraton Manassas Battlefield has what you need. Hosting a function? We offer 6,000 Sq Ft. of banquet and conference space which can host all social and corporate functions, with full service catering available.

# ANNUAL 416TH ENCOM ASSOCIATION MEETING TO BE HELD 07 NOV 2009 AT ARGONNE

## Cuban Fence Project Reunion

**The reunion is to be hosted  
at Ft. McCoy, WI.  
4-6 June 2010**

The Joint Chief of Staff GEN James E. Cartwright has the event on his long range planning calendar. He will have 40 years in the military in 2010.

More information will follow as it becomes available.

YOUR OLD TROOPER  
DAVE PAWLUS  
RET

## Treasurer's Report

Submitted by COL (Ret) William Hawes

Opening Balance (Aug. 31, 2008).....	\$5,285.48
Income (None) .....	\$ 00.00
Expenses	
ø8 Annual Meeting Net cost.....	-\$73.65
ø8 East Coast Meeting Refund ..	-\$32.00
Closing Balance (Mar. 31, 2009) .....	\$5,179.83

## Brief History of the Corps

The Office of History has created a web-based publication that offers readers succinct but pertinent information on the general history of the Corps of Engineers and its functions. Click on the link to go to the web site.

<http://www.usace.army.mil/History/Pages/Brief.aspx>

For a more comprehensive history of the Corps, please see the Office of History Publication The U.S. Army Corps of Engineers: A History. Copies may be requested on our publications page or you may access a high-resolution PDF version of the book on the site.



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### The U.S. Army Corps of Engineers: A Brief History

**Introduction**



Plan of the military academy at West Point, New York.

George Washington appointed the first engineer officers of the Army on June 16, 1775, during the American Revolution, and engineers have served in combat in all subsequent American wars. The Army established the Corps of Engineers as a separate, permanent branch on March 16, 1802, and gave the engineers responsibility for founding and operating the U.S. Military Academy at West Point.

Since then the U.S. Army Corps of Engineers has responded to changing defense requirements and played an integral part in the development of the country. Throughout the 19th century, the Corps built coastal fortifications, surveyed roads and canals, eliminated navigational hazards, explored and mapped the

Introduction

- Beginnings - 1805
- Improving Transportation
- Mexican & Civil Wars
- The Growing Nation
- World War I
- Multipurpose Development