



## **MESSAGE TO THE REGIMENT #93:**

### **“The Engineer Blast”**

September, October 2012

**A. Overview:** The Office of the Chief of Engineers is pleased to forward this 93rd version of **“The Engineer Blast”**.

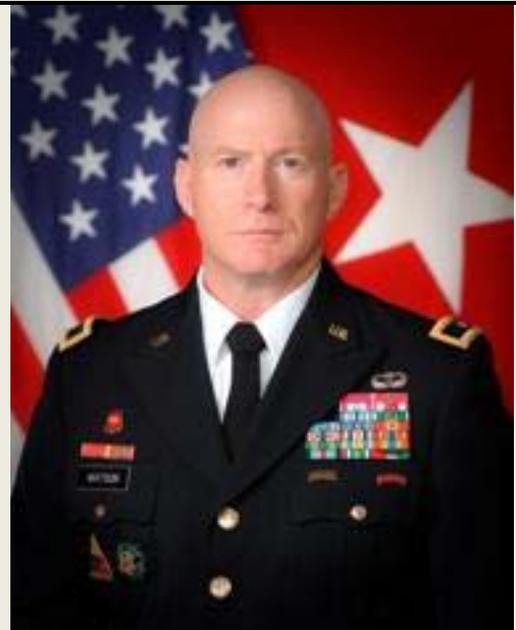
Thanks for all you do and stay safe – enjoy the **“BLAST!!”**

NOTE: In order to further enhance communications from the major entities of the Engineer Regiment to the field, the Office, Chief of Engineers (OCE) is facilitating a process to spread Engineer knowledge from the United States Army Corps of Engineers (USACE), The United States Army Engineer School (USAES), Engineer Branch, other Engineer agencies, and our office in the Pentagon. All links should work for .mil computers.

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**The following general officer was promoted to the rank indicated below**

Major General Bryan G. Watson is currently serving as the Deputy Director for Joint and Coalition Warfighting J-7, Joint Staff, Suffolk, Virginia.



**CSM assumes responsibility: Ward becomes Transatlantic Division’s First Senior Enlisted Advisor**

WINCHESTER, Va., August 3 – Army Command Sgt. Maj. Roy Ward assumed responsibilities as the U.S. Army Corps of Engineers Transatlantic Division’s (TAD) first command sergeant major during an assumption of responsibility ceremony July 31 at TAD Headquarters in Winchester, Va. [More:](#)

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**B. The U.S. Army Corps of Engineers (USACE) provides the following information:**

- 1. USACE Commanding General visits Everglades:** "USACE has one of the largest environmental restoration and sustainability roles in the federal government, and the Everglades restoration is our largest project of this kind," said Lt. Gen. Thomas P. Bostick, commanding General of the U.S. Army Corps of Engineers. "After viewing first-hand the enormous challenges facing Everglades restoration and meeting with our partners in this effort, [More:](#)
- 2. Afghanistan Engineer District-South builds strong in 2012:** KANDAHAR AIRFIELD, Afghanistan-- Building on the significant public infrastructure progress that was achieved in fiscal year 2011, the Afghanistan Engineer District-South closed fiscal year 2012 having awarded 102 contracts and achieved almost 96 percent of its construction placement goal for the year; an 8.5... [More:](#)
- 3. The 412<sup>th</sup> Theater Engineer Command offers the following: [Facebook](#), [412th Engineer Association](#),**

The 310<sup>th</sup> Engineer Company Multi Role Bridge (MRB) has been reactivated into the United States Army Reserves at Fort A.P Hill 13 October 2012. The 310<sup>th</sup> Engineer Company was first constituted into the United States Army 25 February 1943 as the 676<sup>th</sup> Engineer Light Equipment Company. Between 1943 and 1950 the unit was activated and inactivated a total of six times finally deactivating 09 August 1950, at Fort Myer, Virginia. The 310<sup>th</sup> Engineer Company is credited with campaign participation in World War II campaigns Rhineland, Ardennes-Alsace and Central Europe.



Reactivating the 310<sup>th</sup> Engineer Company (MRB) was the 411<sup>th</sup> Engineer Brigade Commander Colonel John Seeley and the 365<sup>th</sup> Engineer Battalion Commander Major Michael Trofinoff. Major Trofinoff welcomed the 310<sup>th</sup> Engineer Company (MRB) to the 365<sup>th</sup> Engineer Battalion and spoke on the new 15.5 million dollar, 33,000 sq ft USAR Center that was built to support the 310<sup>th</sup> Engineer Company (MRB) on Fort A.P Hill.

Captain Dustin Lahiff assumed Command of the 310<sup>th</sup> Engineer Company (MRB) from Chief Warrant Officer Keith Hafemann. [More:](#)

New Jersey native takes command of 207th DLD  
FORT BRAGG, N.C.--Col. Christopher Stockel (Left), a native of New Jersey and incoming...[MORE](#)

Ricchiuzzi takes helm of 206th Army Liaison Detachment  
FORT JACKSON, S.C.--Col. Mark Ricchiuzzi, a native of Buffalo, N.Y., takes command of...[MORE](#)

[National Guard prepares for 'perfect storm'](#)

Oct 26, 2012

More than 61,000 National Guard personnel along the eastern seaboard are available for duty if and when Hurricane Sandy makes landfall sometime next week, Guard officials said today.



4. [The 416<sup>th</sup> Theater Engineer Command](#) offers the following: [Bridge Magazine](#), [Facebook](#), [Flicker](#).

[Check at the latest Bridge Magazine](#)

5. [Transatlantic Division \(TAD\)](#):

#### **USACE gives Wounded Warriors on Kandahar Airfield a little slice of home**

KANDAHAR AIRFIELD, Afghanistan – U.S. Army Corps of Engineers employees support recovering Wounded Warriors on Kandahar Airfield by donating items and volunteering to host Wounded Warriors on the Afghanistan Engineer District-South compound for movie night, game night, holiday celebrations and inpromptu get-togethers.

[More:](#)



6. [Afghanistan Engineer District North \(AEN\)](#). [Freedom Builder](#)

7. [Afghanistan Engineer District South \(AES\)](#).

Date	Title	Author
10/26/2012 <b>New</b>	<a href="#">Experiential learning program prepares Afghans for facilities operations, maintenance</a>	Jasmine Chopra-Delgadillo
10/15/2012	<a href="#">USACE builds another facility for Afghan National Security Forces</a>	Karla Marshall
10/8/2012	<a href="#">USACE gives Wounded Warriors on Kandahar Airfield a little slice of home</a>	Karla Marshall

8. To view "[The Corps Environment](#)", a quarterly newsletter, you are invited to click on the hyperlink:

### **Contingency Engineer Management Course FY-13 Course Schedule**

At the forefront of preparing military and civilian engineer leaders from the entire Joint engineer family for deployment into the USCENTCOM AOR, is the Contingency Engineer Management Course, or CEMC. Now in its' third full year, CEMC has prepared over 2500 engineer personnel for the demanding environment presented by the US Central Command Area of Responsibility.

We are pleased to announce the FY-13 course schedule, as follows.

- **5-8 Nov 12 in Mobile, AL.**
- **18-21 Feb 13 in Mobile, AL.**
- **22-25 Apr 13 in Mobile, AL.**
- **29 Jul -1 Aug 13 in Mobile, AL.**

CEMC provides the 'must have' knowledge on engineering, procurement, construction management, master planning, environmental concerns, contingency acquisition, fiscal law and ethics in the contingency environment, standard contingency designs, JFUB planning and execution, the engineer capacity in theater toolkit and the various engineer reachback systems in place today. CEMC is jointly sponsored and operated by the US Army Corps of Engineers and US Army Central – and capitalizes on the synergy of having experienced USACE civilians and seasoned military engineer personnel from all services combined into a single setting. The class is centrally funded by USACE and USARCENT, so

there is no cost to the student other than travel, lodging and associated TDY. If you're an engineer headed to, or planning in support of operations in the USCENTCOM AOR, CEMC is highly recommended.

You can find additional information and register for any of the upcoming classes at the following URL: <https://eportal.usace.army.mil/sites/RSC/default.aspx>

The CEMC POCs are:

Mr. Chip Marin, USACE LNO to USARCENT, [albert.marin@arcent.army.mil](mailto:albert.marin@arcent.army.mil); 803-885-8219; DSN 965-7542.

SFC Ryan Keitt, USARCENT Engineer Staff; [ryan.keitt@arcent.army.mil](mailto:ryan.keitt@arcent.army.mil); 803-885-8191.

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## **C. The [US Army Engineer School \(USAES\)](#) provides the following information:**



### **From the Desk of the Commandant**

Below you will find a link to a survey that will assist in our development of the best Course of Action as we move forward with the Echelons Above Brigade (EAB) Construction Company redesign. This survey is derivative of the passion and hard work displayed during the seminar we held here at Fort Leonard Wood in July, 2012, which was well attended by all three components, and seeks to create construction capability that will be responsive across the full range of military operations. The Engineer Construction Company Redesign is part of the larger EAB Redesign that your regiment is undertaking as we look towards the challenges of providing responsive engineer support at the point of need in the Army of 2020 and beyond. There will be numerous opportunities for you to lend your voice to the discussion, through the EAB Redesign Community of Practice, numerous video- and teleconferences, and through the face-to-face interaction that I glean from all of you as I travel throughout our regiment.

I ask that you take a moment to complete the attached survey and feel free to pass along to as many stakeholders within your organization, so that we may get the best representative feedback of the total regiment. This is where the Swiss-Army knife of the Army is forged.

Target audience for this survey is E6 and above with construction experience.

[http://www.wood.army.mil/gaosurvey/General/engineer\\_company.htm](http://www.wood.army.mil/gaosurvey/General/engineer_company.htm)

### **Engineer Commandant's Reading List**

Over the summer, I decided to update the existing Engineer History Reading List to broaden its coverage. Regimental CSM Terrence Murphy, Regimental CWO Scott Owens, and the USAES Command Historian Dr. David Ulbrich all provided valuable input on what books would be best to develop our Engineer Soldiers and dedicated Civilians, across our Regiment, Field Army, and Corps of Engineers agency together.

The resulting "Engineer Commandant's Reading List" augments and does not supplant or duplicate the

“Army Chief of Staff’s Reading List” to guide the self-development of Engineer Soldiers and Civilians. It is my expectation that every unit, directorate, center, district, and division in the Engineer Regiment and USACE embark on a reading program using the books in these two reading lists. Among the possible means of executing such reading programs are individual studies, group discussions, thematic analyses, or published book reviews. Dr. Ulbrich will gladly assist leaders in developing a reading program that best supports their organization.

In closing, I hope every member of the Army Engineer Profession – Soldier and Civilian – will find reading these books to be as beneficial as I have throughout my career. Life-long learning is a major goal of today’s Army. Learning at others’ expense and through other’s experience is a very efficient way to achieve wisdom far beyond our experience levels. It is a truism that “...if you want a new idea, start by reading an old book...” A directed reading and writing program in our units and sections will help us develop our critical thinking and increase our base of knowledge by learning through others’ experiences. The “Engineer Commandant’s Reading List” can be found at the following publically accessible link:

[http://www.wood.army.mil/usaes/library/documents/ENGR\\_CMDT\\_READING\\_LIST\\_2012.pdf](http://www.wood.army.mil/usaes/library/documents/ENGR_CMDT_READING_LIST_2012.pdf)

Essays!

PETER A. DELUCA

Brigadier General, USA

94<sup>th</sup> Commandant U.S. Army Engineer School and Regiment

### **Fall Regimental Command Council**

The Fall Regimental Command Council (RCC) has been approved! The dates for the RCC are 6-8 November and will be at Fort Leonard Wood, Missouri. The target audience remains the same - Bde/TEC Commanders and CSMs, COL level district commanders, CW5s, and selected key Engineer billets (OCE Director, FORSCOM Engineer, ASCC Engineers, COCOM Engineers, USACE G3 and CSM, CTC Engineers ....).

Products from the Fall RCC will be available through the USAES public webpage:

<http://www.wood.army.mil/usaes>

### **From the Desk of the Deputy Assistant Commandant (Army Reserve)**

It has been a busy summer for YOUR Engineer School and wanted to ensure you were made abreast of the major things that we were doing with the field. One of the bigger initiatives that we have been working here is the Echelons Above Brigade (EAB) Redesign. We held a Construction Company Redesign Seminar here at Fort Leonard Wood during the period 10-12 JUL 12 and the participation was humbling. We had a mixture of all three (3) compos totaling 57, with four (4) brigades, nine battalions, two (2) ASCCs, among others in attendance. The resounding message was that the companies as they are today, specifically horizontal or vertical pure, need to be changed. Courses of Action were analyzed using both qualitative analysis (based on participants experiences), as well as quantitative analysis (based on value, weight and attributes developed by the seminar as a whole). The process will continue, but it is safe to say that the new EAB Construction Company will have some mixture of both horizontal as well as vertical assets, and that the potential exists for both a light and heavy variant. The next step in this process will be a survey that will be out to the field shortly. Many thanks to those commanders who were able to spare their best for this important event.

Other aspects of the EAB Redesign include the development of a potential Engineer Special Operations Forces (SOF) Support Squadron, and the staffing and development of concepts continues with members of the SOF community. The Geospatial Redesign at EAC level is also being staffed internally prior to going out to the field for comment. Lastly, AC/RC Roles and Integration, to include the definition of an Operational Reserve for our Regiment, continues.

The EAB Redesign Community of Practice is the entity that looks at the totality of the EAB force and serves as a sounding board for synchronization as well as frank discussion on the future challenges our

force faces. The EAB Redesign teleconference continues every 2-3 weeks based on events within the Regiment and we have been humbled to have a majority of the ASCCs, Brigades, as well as numerous staff agencies at the Joint, and Department of the Army level regularly participating. For those desiring to join the Community of Practice, feel free to send me an e-mail and I can add you to our growing community of passionate stewards of our Regiment.

Our last FY12 Battalion and Brigade Pre-Command Course was held here at Fort Leonard Wood 6-17 AUG 12. We had a great mix of Colonels, Lieutenant Colonels, and Command Sergeants Major from our Active, Reserve and National Guard components attend. I remind our entire readership that both incoming battalion and brigade commanders as well as their incoming Command Sergeants Major are encouraged to attend this valuable course. The class not only provides the opportunity to see the latest state of the Regiment, it more importantly allows those about to assume command the ability to interact with their peers. I have included the classes for FY 13 to aid in your planning:

<u>Class</u>	<u>Report date</u>	<u>Start date</u>	<u>End date</u>	
Class 003-13	03 Feb 13	04 Feb 13	15 Feb 13	All
Class 005-13	24 Mar 13	25 Mar 13	05 Apr 13	
Class 007-13	12 May 13	13 May 13	24 May 13	BSTB
Class 009-13	21 Jul 13	22 Jul 13	02 Aug 13	All (-MP)

I look forward to maintaining the passion and momentum we experienced during ENFORCE as we move forward towards the Army of 2020. Your Engineer School is here to support you in the field.

Thank you all for what you do in the service of our Nation.

As always, I can be reached at adam.roth@us.army.mil.

“Essayons!”

Adam S. Roth

COL, EN

### **2/82D’s Joint Readiness Training Center (JRTC) Lessons Learned**

*The Sappers of “The Beast” parachuted out into the darkness in the land of Atropia. Their mission to assess, clear, and repair the flight landing strip (FLS) no later than P+8 hours in order to enable the buildup of combat power...*

The United States Army Engineer School (USAES) recently sent a team of Small Group Leaders and Lessons Learned personnel to 2/82D’s Joint Readiness Training Center (JRTC) rotation in October of 2012. This rotation would serve as the Mission Readiness Exercise (MRE) for the 2<sup>nd</sup> Brigade Combat team’s Global Response Force mission set. The USAES personnel focused their collection efforts on Alpha Company, 2<sup>nd</sup> Brigade Special Troops Battalion during the first 72 hours of the exercise to glean lessons learned for future forcible entry operations. The cadre of JRTC and the CALL will have a more in depth collection of AARs following the conclusion of the exercise. This collection effort will assist the Engineer Regiment to include our Joint partners in the mission to keep the military and more specifically, the Army, in an increasingly needed role in projecting force from the United States as the Army of 2020 becomes the most CONUS based force ever.

The collection of lessons learned can be found at the following link:

<https://www.us.army.mil/suite/files/38067312>

### **Engineer and Mechanic Advanced Training at NCTC Gulfport, MS**

Did you know that you can further your construction and mechanical training at Gulfport, MS at little cost to your unit? Since 1996, Charlie Company, 169<sup>th</sup> Engineer Battalion has operated Carpentry/Masonry Specialist (12W) Advanced Individual Training (AIT) as a 7 week course under an Inter-service Training Review Organization (ITRO) agreement with the Navy and Air Force at the Naval Construction Training Center (NCTC) on the Naval Construction Battalion Center, Gulfport, MS. NCTC has operated for 45 years to train and educate Navy Seabees in basic and advanced construction and mechanical skills. NCTC offers specialty courses through the Special Construction Battalion Training (SCBT) program called “F Schools”. Courses provide advance training in construction skills to individuals assigned to other military construction units. In an effort to continue joint engineer training, NCTC accepts course requests from the Army to train Soldiers on vital skills prior to deployment or projects.

NCTC currently offers the following F-School courses: Power Actuated Tools (1 day), Heavy Construction I (5 days), and Heavy Construction II (12 days) and Army units can forecast and send Soldiers through F-School through MIPR funds to the Navy.

To schedule one of these courses, units must plan at least 2 months in advance for availability. Contact SFC William Vandegrift at [william.vandegrift@navy.mil](mailto:william.vandegrift@navy.mil) at 228-871-3621 or 1SG Sheila Stewart at [sheila.stewart1@navy.mil](mailto:sheila.stewart1@navy.mil) at 228-871-2709 for more information and specific questions regarding scheduling, funding, lodging and travel. Funding for courses depends on the number of seats requested and availability. Some courses may require the requesting unit to cover individuals' transportation and food. Other courses may require units to MIPR funds to the Navy.

See the U.S. Army Engineer School's website at <https://www.blackboard.wood.army.mil/> for more contact information and Engineer training.

Power Actuated Tools is a 1-day course designed to provide E-1 through E-7 a Hilti Operators License in accordance with approved Hilti technical and tool operation manuals, safety, operation, cleaning and preventive maintenance on Hilti low velocity powder actuated tools to include only the 451 and the 460.

Heavy Construction I is a 5-day course designed for 12W Soldiers to provide individuals with the knowledge and skills to perform sketch development, lay out, assembly and erecting Heavy Timber Bridges using tools, equipment and materials.

Heavy Construction II is a 12-day course designed to train 12W and 12H in the basic knowledge and skills required to plan and supervise pile driving operations using common pile driving rigs. While in the course, individuals will plan high risk construction training, prepare simple construction drawings and specifications, and make accurate estimates of materials, equipment and manpower requirements.

Heavy Construction I is a prerequisite to attend Heavy Construction II.

### **Sapper Leader Course at Fort Leonard Wood, MO**

The Sapper Leader Course is designed to reinforce combat engineer skills that young leaders learn during other phases of PME such as the Advanced Leader Course (ALC), while focusing their learning on the small unit leadership skills and techniques they need to lead combat engineer units (light and heavy) at the squad through company level. Students who are most successful in the course are mature, competent, physically fit leaders.

In FY11, the SLC graduation rate was 62%. Of the third who did not meet course standards, 12% were administrative (medical, emergency leave, discipline, lack of motivation) and the remaining 26% did not meet graduation criteria. Of those who did not meet graduation criteria, many failed events on which their Battalion Commander certified their proficiency prior to their entry to the course: Academics, 12-mile road march, Land Navigation, and the APFT. The remaining course failures were due to getting "No-Go" leadership grades in patrolling.

As a whole, the patrolling failures were mostly due to immaturity and a lack of command presence. When Sappers are pushed outside of their normal comfort zone, as they are in the patrolling phase, those students who are mature and experienced often excel. It is the students who lack these traits that do not fare well at the course.

In order for units to set their Soldiers up for success, they need to conduct a well planned and developed train up which will prepare their Soldiers both physically and mentally. There is a physical train up plan listed on the [Sapper Leader Course website](#) and units should train their Soldiers on the individual tasks listed in the [Sapper SLC Pamphlet](#) (also located on the web site). Additionally, units need to train their Soldiers on patrolling and conduct practical exercises in a field environment in order to extend the Soldier's comfort zone. If this is not feasible at your unit, we recommend sending your Soldiers to a Pre-Ranger Course where they can be put into stressful situations and execute small unit tactics prior to arriving at the SLC.

The SLC has seen a recent trend of personnel in reserved slots not showing up at the course for the report date, personnel in reserved slots showing up at the course and failing the APFT and/or height/weight, and personnel coming to the course and scoring under a 220 on the APFT. The APFT and height/weight are an entry requirement to the course. There are no re-tests. If a prospective student fails either event, they are denied entry to the course. Furthermore, there are at least 3 students (10% of allocated ATRRS reserve slots) who show up each class and score under a 225 on the APFT. These students usually do not make it out of the General Subjects Phase due to injury and, thus, take a slot away from other well-qualified Sappers in the Regiment.

Finally, a reserved reservation in ATRRS and meeting the course ATRRS priority fill pre-requisites is the only way to guarantee a slot to the Sapper Leader Course. However, if you are in a wait status in ATRRS, we encourage you to contact the course 30 days prior to your report date to determine if there is additional slot availability. The demand for slots is extremely high and, consequently, we do not encourage personnel to "walk on" to the course as the chance of them getting in is extremely slim. POC: MAJ Kevin R. Golinghorst, email: kevin.r.golinghorst.mil@mail.mil

### **Calling all 12Ys!**

The NGA Army Reserve Drilling Individual Mobilization Augmentee (DIMA) program is actively seeking enlisted 12Y (Geospatial Engineers). The NGA DIMA program runs split operations between Denver, CO, Springfield, VA, and St. Louis, MO and is looking for the best MOS qualified E5 through E7s at all locations. If you are a MOS qualified 12Y that would like the flexibility of drilling with a DIMA unit at one of NGA's sites, please let us know. For more information regarding the NGA DIMA program please contact SFC Carol Murphy at [reservenst@nga.mil](mailto:reservenst@nga.mil).

### **The Joint Engineer Operations Course (JEOC) Update**

The JEOC Team in coordination with US Pacific Command (USPACOM) successfully completed Joint Engineer Operations Course Class 12-05 from 17-21 Sep, 2012. The class was attended by a total of 73 students from all services. The class comprised 34-US Army Engineer, 14-US Navy Engineers, 7-US Marine Corps Engineers, and 18-US Air Force Engineers.

The JEOC Program has been very successful during the FY 12 Training Year. The course educated over 300 Service engineers. The program was able to support one OCONUS class in direct support to USPACOM in addition to the four base classes offered at the Service engineering schools. The course will conduct a course review at Quantico, VA with the support of the engineer representatives from each service. The objectives of the Quantico JEOC Course Review will be to capture lessons learned, review current lesson updates, and publish the FY 13 JEOC Program plan.

The team is preparing to conduct JEOC 13-01 at the US Marine Corps University at Quantico, VA from 29 October -2 November, 2012. We are currently filling JEOC Class 13-02, hosted by the US Army Engineer School in April, 2013 and JEOC Class 13-03, hosted by the Air Force Institute of Technology, Wright-Patterson, AFB, OH in June, 2013.

JEOC Graduates, as a reminder, the JEOC has been added to the database for military education on ORBs and ERBs. The code is "XCH" which will show as an entry that reads "Joint Engineer Operations." Battalion-level S-1s should now be able to add JEOC to your ORBs/ERBs and send the certificates to iPERMS as supporting documentation.

The course continues to meet the training and education requirements of Service engineers from around the world. The JEOC is on schedule to educate over 375 Service engineers in their Joint Staff Engineer roles and responsibilities this training year. In addition to the programmed student load, the JEOC team is preparing to conduct two OCONUS JEOC class; one combined class in support for USEUCOM and USAFRICOM as well as a class in support of USPACOM.

The schedule below outlines the four core JEOC Classes for this year.  
Schedule:

- JEOC 13-01: 29 Oct- 2 Nov 2012 @ Quantico, VA (USMC Engineer School)
- JEOC 13-02: 15-19 April 2013 @ Fort Leavenworth, KS (USA Engineer School)
- JEOC 13-03: 24-28 Jun 2013 @ Wright-Patterson, AFB, OH (AFIT)
- JEOC 13-04: 12-16 Aug 2013 @ Port Hueneme, CA (CECOS)
- JEOC 13-05: TBD Feb 2013 @ Germany (USEUCOM/USAFRICOM)
- JEOC 13-06: 16-20 Sep 2013 @ Pearl Harbor, HI (USPACOM)

As a reminder, the Pre-requisite dL phase is open 90 days prior to class start date. To enroll, use the link: <https://engineer.bb.wood.army.mil/webapps/portal/frameset.jsp>  
Log in using your AKO login and password. You may contact Mr. Dwayne Boeres at (573) 563-7065, or [dwayne.boeres@us.army.mil](mailto:dwayne.boeres@us.army.mil) .

JEOC POC is Shawn Howley, at 573-563-5088, email: [shawn-howley@us.army.mil](mailto:shawn-howley@us.army.mil)



### **Engineer Museum Wins Army Historic Foundation Outstanding Museum Achievement Award for Excellence**

Each year the Army Historical Foundation recognizes one Army Museum with the Army Historical Foundation Outstanding Museum Achievement Award. Of the 61 museums in the Army Museum System, the Engineer Museum was selected for 2012. The Engineer Museum was recognized for its response to an F-3 tornado that struck the Museum complex on New Year's Eve 2010. In addition to a plaque, the Engineer Museum was presented a \$1,000 check from the Army Historic Foundation.

Over 1,000 historic artifacts were in the 13 buildings struck by the tornado. Thirty-eight artifacts we never recovered, and 9 more were so badly damaged they could not be restored. The tornado created extreme havoc at the Engineer Museum. By executing a well designed and rehearsed disaster response plan, the museum staff was able to minimize the impact of the tornado on the museum, its collection, and its operations. Due to the prior disaster planning, professional response, and immense help from the staffs of the Chemical and Military Police Museums the damage was minimized.

(In the photo: CSM (Ret) Jimmie Spencer (left) from the Army Historical Foundation presents Engineer Museum Director, Troy Morgan (right) with the award plaque.)

USAES on the Network:

- [Engineer School Public Page](http://www.wood.army.mil/usaes) (<http://www.wood.army.mil/usaes>)
  - U.S. Army Engineer Regiment on [Facebook](#)
  - [USAES Request for Information](#)
  - [Engineer School Knowledge Network \(ESKN\)\\*](#)
  - [Commandant's Corner \(Forum for Regimental Senior Leaders on milBook\)\\*\\*](#)
  - [Engineer Battalion Command Forum\\*\\*](#)
  - [Regimental Command Sergeant Major's ORP \(Forum for the Engineer NCO community on milBook\)\\*\\*](#)
  - [Senior Engineer Warrant Office Group on milBook\\*\\*](#)
  - Engineer Personnel Development Office [public page](#), [EPDO Group on milBook\\*\\*](#)
  - USAES Historian [public page](#), [Group on milBook\\*\\*](#)
- \*AKO authentication required, \*\*DEERS authentication required

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## **D. The Engineer/ Enlisted /Warrant/ Officer Branch provides the following information:**

Engineer Leaders -

A quick update to what I sent last week regarding the FY13 Retention Mission and the Commander's Allocation Process (CAP). As a reminder for those who may not have dug into the slide set or gotten the briefing, 12B10 is "capped" in FY13 to 911 reenlistments. In the first two weeks of the FY we have already hit 20% of that target.

I would ask you all to ensure those Sappers who make your quality cut and are in the retention window reup ASAP, as procrastination may lead to reclassification. Please work with your retention teams to ensure we're retaining quality within the MOS (and barring/flagging the rest).

Thanks!

LTC Daniels

LTC Michael Daniels

Engineer Enlisted Branch Chief

EPMD-HRC

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## **E. The Office of the Chief of Engineers provides the following information:**

[DVIDS - Video - Media Round Table with Maj. Gen. Bryan Watson](#)

[www.dvidshub.net/.../media-round-table-with-maj-gen-bryan-watson](http://www.dvidshub.net/.../media-round-table-with-maj-gen-bryan-watson) - Cached

Aug 11, 2012 ... **Major General Bryan Watson** the USFOR-A Dir. Engineering discusses base closure and transfer throughout Afghanistan at a media round ...

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### ENGINEER CAPABILITIES FORT AP HILL, VIRGINIA

**GENERAL**: Fort A.P. Hill, Virginia provides excellent opportunities for meaningful and relevant Full Spectrum Engineer Training. The Installation is roughly 76,000 acres in size, with 44,000 acres of maneuver area and a 32,000 acre Range Complex. The maneuver space can support mounted maneuver for STRYKER vehicles and below. Track vehicle maneuver is currently limited to the tank trail network. The Range Complex consists of 41 Ranges and demolition sites that support the full range of Engineer operations and systems.

#### **MINE WARFARE**

Thirty One (31) training areas approximately 44,000 acres in size that support all aspects of Inert mine warfare and IED training.

Twelve (12) lane Minehound training site with varying material composition for ground penetrating radar (GPR) IED detection and identification training.

Ten (10) lane AN/PSS-14 GPR training lanes with varying material composition for ground penetrating radar (GPR) IED detection and identification training.

Homestation training lane with 12 miles of varied terrain and road surfaces, built up areas, traffic circles, culverts and guard rails that support all aspects of mounted and dismounted IED and Route Clearance training.

Multiple Urban Objective areas that support IED and Mine Training (OBJ A – C, CACTF, UAC and Afghan Village).

Full complement of IED simulators, mine training, and mine sweeping kits available at the Fort AP Hill Training Support Center.

#### **DEMOLITIONS**

Eight (8) Demolition sites that support basic demolitions including line clearing, Bangalore, cratering and shape charges.

One (1) demolition breaching facility that supports cutting, flex, water impulse, and shape charges. Breaching mediums consist of concrete, cinder block, wood, steel, brick and chain link fence.

One (1) 8 room live fire shoot house with demolition door breach capabilities.

Flexibility to support demo shots in excess of 100lbs (TNT Equiv) and field expedient demolition with prior coordination through range control.

Multiple concrete and timber trestle bridges that support inert bridge demolition operations.

Ability to incorporate demolition operations in a combined arms live fire scenario up to and including company level.

### COMBAT CONSTRUCTION

Thirty One (31) training areas that support the construction of bunkers, shelters, and field fortifications.

One designated training location for heavy equipment operator training.

Opportunities to participate in post sponsored vertical and horizontal construction projects.

### DIRECT VEHICLE OPERATIONS

One (1) advanced vehicle operator course with ten (10) challenging obstacles that support wheeled vehicle training. Course is designed for wheeled vehicles up to and including the MRAP family of vehicles.

Hundreds of miles of improved roads, unimproved roads and tank trails that support wheeled vehicle operator training and convoy operations.

Two (2) maneuver ranges that support convoy live fire operations allowing soldiers to employ weapon systems up to and including .50 cal and 40mm TPT.

Basic structures located in motor pools to support vehicle maintenance operations.

Loading ramps available for on loading and off loading operations.

### RECONNAISSANCE

Hundreds of miles of roads and trails that present limiting curves, grades, water crossings and bridges that support all aspects of reconnaissance operations.

Multiple material stock pile points and water points that provide for Engineer reconnaissance training.

Range operations section available to assist in developing challenging reconnaissance scenarios.

### BRIDGING/WATER OPERATIONS

One (1) dry gap training site for military fixed bridge training.

One (1) prepared site to support military float bridging and rafting operations.

Multiple sites that support small boat operations, including a tidal section of the Rappahannock River.

Helocasting is authorized on designated watersheds with prior approval and clearance from the Operations Section Range Control.

## AIR OPERATIONS

Ability to support all aspects of Air Operations including, but not limited to; sling load, rappelling, para drops and aerial extraction systems.

Two (2) Drop Zones , 1,750 yds – 32 seconds at 1 -800 yds.

Assault Landing Strip C-130/C-17 capable.

Multiple LZs throughout the training complex to support Engineer training.

Jessica Glusing (804) 633-8188 (Training Areas) [Jessica.j.glusing.civ@mail.mil](mailto:Jessica.j.glusing.civ@mail.mil)

Justin Jacyshyn (804) 633 - 8748 (Live Fire Training) [Justin.c.jacyshyn.civ@mail.mil](mailto:Justin.c.jacyshyn.civ@mail.mil)

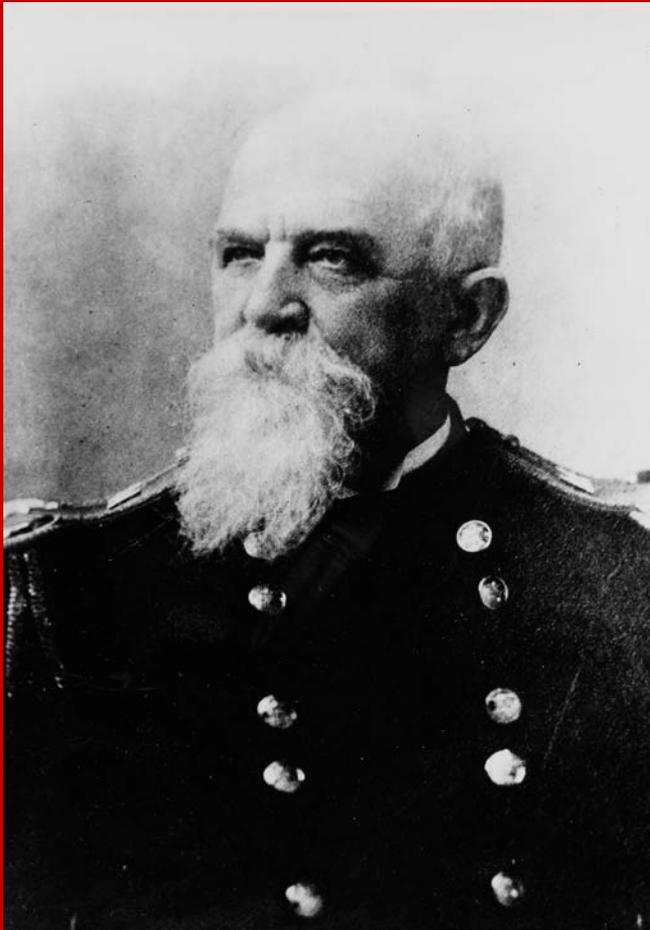
-or-

CSM Keith Whitcomb (804) 633-8205

[Keith.r.whitcomb.mil@mail.mil](mailto:Keith.r.whitcomb.mil@mail.mil)

You can always find all the Messages to the Regiment at our [AKO site](#) and linked at the bottom of this document —AKO Login is required.

## **F: Engineer History: The 18th Chief of Engineers – BG William Price Craighill**

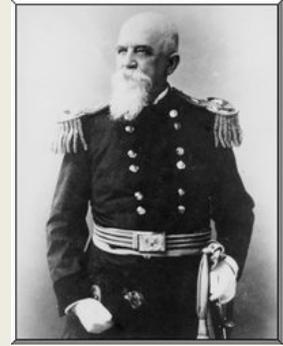


### **Brigadier General William Price Craighill**

*Chief of Engineers*

*(May 10, 1895–February 1, 1897)*

William Craighill was born on July 1, 1833, in Charles Town, Virginia (now West Virginia). A classmate of Sheridan, Hood, and McPherson, Craighill ranked second in the Military Academy Class of 1853 and was commissioned in the Corps of Engineers. After working on several Atlantic Coast forts, he taught engineering at the Military Academy in 1859–1862. Another Virginian who stood for the Union, Craighill was division and department engineer during the Civil War and worked on the defenses of Pittsburgh, Baltimore, San Francisco, and New York. After that war, he superintended construction of defenses at Baltimore Harbor and Hampton Roads. He headed the Engineer Office in Baltimore Harbor and Hampton Roads, from 1870 to 1895, overseeing river and harbor work in Maryland and parts of Virginia and North Carolina. When the Corps began to build locks and dams on the Great Kanawha River in West Virginia in 1875, Craighill assumed charge there as well. He completed the first of the moveable wicket dams built in the United States, after visiting France to study their use. He became the Corps' first Southeast Division Engineer. Craighill established the camp for the Yorktown surrender celebration, the first of the sanitary type later adapted to U.S. Army camps. He was a member of the Board of Engineers in 1886–1889. He was appointed Chief of Engineers by President Cleveland in 1895. He retired two years later and died January 18, 1909, in Charles Town, West Virginia.



Civil War Union Army Officer. In 1862 he published the "[Army Officer's Pocket Companion: A Manual for Staff Officers in the Field](#)", a work that greatly aided the many citizen-soldier Union Army officers who had no previous military training prior to the Civil War.

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The Craighill Channel, so named for William Price Craighill, a key figure on the Lighthouse Board who had supervised the engineering surveys of the channel, forms the first leg of the maintained channel from Chesapeake Bay to the Patapsco River and Baltimore Harbor. The channel leads from the mouth of the Magothy River to the southern end of Belvidere Shoal. The rising importance of Baltimore as a port persuaded Congress to set aside \$50,000 in 1870 to widen the Craighill Channel to 500 feet and deepen it to 22 feet. However, without range lights, the channel was unusable at night. The Lighthouse Board moved to remedy this situation in 1871 writing "this channel has the advantage of saving about five miles in distance to large vessels bound to Baltimore from the lower bay; avoids much, if not all, of the dangers usually experienced from the accumulation of ice in the lower part of the Brewerton Channel during the winter; is much easier navigated, or would be if range beacons were established." While eventually two sets of range lights would be constructed along the channel, totaling four lighthouses in all and forming an upper and lower range, the original plans called only for the lower range lights. [More:](#)

### THE ENGINEER



### BUTTON

The Corps of Engineers' oldest and most time honored insignia is the exclusive Essayons Button. It has not changed in basic design since the war of 1812. It is still the required button for the Army Engineers' uniform.

Evidence which could establish the actual facts concerning the designing and adoption of the Essayons Button probably burned at West Point in 1838, when the building containing the library and earliest official Corps of Military Academy records caught fire.

However, while early Army regulations mentioned the "button of Engineers... with only the device and motto heretofore established", apparently no authoritative detailed description of the button appeared until 1840. The Army prescribed new uniforms on February 18, 1840, in General Orders 7, AGO, which officially described the button as follows:

An eagle holding in his beak a scroll with the word, 'Essayons,' a bastion with embrasures in the distance, surrounded by water, and rising sun; the figures to be of dead gold upon a bright field."

In 1902, when the Army adopted "regulation" buttons, it allowed only the Corps of Engineers to retain its own

## G. Special Interest: 864th Engineer Battalion Alumni Reunion

864th Engineer Battalion Alumni Reunion held their annual reunion in historic Washington, D.C. from 27 September – 30 September, 2012. This year's reunion had the largest turnout on record with over 84 former Pacemakers and family members in attendance. Several former battalion commanders as well as the present battalion commander, LTC John Henderson, attended the event. The Pacemakers toured DC's famous sites to include the Arlington National Cemetery, Marine Corps, Air Force, World War II, Vietnam, Korean War, and Lincoln Memorial monuments. With WWII and Vietnam veterans present, the group paid tribute to the Pacemakers who made the ultimate sacrifice in each of those wars. The assembled alumni placed a rose at the base of the memorial with a note remembering each Soldier and commemorating all they gave for our country's freedom. As the former Pacemakers called the group to attention and saluted their lost friends and comrades, a somber wave of gratitude swept over not only the Pacemakers but also those civilians that happened to be at the memorials at the time.

Although many attendees shared war stories, tales of lonely and harsh deployment conditions, and stories about lost friends, the most common thing shared throughout the event was laughter. A mix of all ranks, the former Pacemakers connected with each other and remembered the memories from their time in the unit. In addition, the WWII and the Vietnam Pacemaker alumni came together to make an incredibly generous gift of over \$ 1200 to the Able Fund which supports the 555th Engineer Brigade's wounded and fallen Soldiers and their family members.

The 2013 864th Alumni reunion will take place in Nashville, TN from mid-September to mid-October timeframe. The Alumni Association encourages all former Pacemakers (and the immediate family members of deceased Pacemakers) to join. As the saying goes, "The more the merrier!" Annual membership dues are \$0 for active duty personnel and \$10 for all others; Lifetime Membership is \$25. Please contact Bill Mills at [millsengr@yahoo.com](mailto:millsengr@yahoo.com) to join.



**H. Recurring Links:** [Engineer Casualties](#) ; [PASSAGES](#) ; [The Engineer Update](#) ; [Military OneSource](#) ; [Essayons Forward](#) ; [The Engineer Magazine](#) ; [Current PERSCOM Messages](#) ; [412<sup>th</sup> ENCOM](#) ; [The West Point Department of Civil and Mechanical Engineering](#) ; [Engineering Knowledge Online](#) ; [The USACE Installation Support Community of Practice Portal](#) , [Topographic Engineering Center](#) ; [United States Army Engineer Research and Development Center](#) ; [The West Point Department of Geography and Environmental Engineering](#) ; [Joint Task Force North](#) ; [ENGINEER UNIT REGIMENTAL LINKS](#) ; [Maneuver Support Center of Excellence](#)

[Check your entire Official Military Personnel File \(OMPF\)](#)

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## I. Engineers Supporting Engineers—Professional Organizations Links:

“The appearance of external hyperlinks does not constitute endorsement by the U.S. Army of this Web site or the information, products, or services contained therein. For other than authorized activities such as military exchanges and MWR sites, the U.S. Army does not exercise any editorial control over the information you may find at these locations. Such links are provided consistent with the stated purpose of this Web site.”

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1. [Army Engineer Association](#): [AEA News](#); [Army Engineer Association Programs](#); [Membership](#).

For more info, email Jack O'Neill, [xd@armyengineer.com](mailto:xd@armyengineer.com)

Jack O'Neill  
Colonel, US Army Corps of Engineers (Retired)  
Executive Director, Army Engineer Association  
703-428-6049 [www.armyengineer.com](http://www.armyengineer.com)

For AEA Member information -- please share with anyone you know who may have an interest in this program. Members may validate member status at the member portal - at [www.armyengineer.com](http://www.armyengineer.com).

Every Engineer MOS soldier is eligible for membership in the Engineer Regiment's fraternal organization, the Army Engineer Association.

AEA is the nucleus of the Regimental network, providing information and services to Engineer **Soldiers** now serving and **Veterans** through:

- Bi-monthly magazine, Army Engineer
- Discount insurance and banking services through AFBA
- Career and Job Services
- Memorials to Units and Individuals
- Support to Engineer Fallen and Wounded
- Performance Excellence Awards for Junior and Senior Personnel
- Academic Scholarships for Individuals and Family Members
- Support to the Army Engineer Museum

## 2012 COL Harold M. Beardslee Memorial Scholarship Awardees

This year's winners of \$1,000 scholarships are:

PV2 STEPHEN D. MINER | Calais, ME  
SSG ADAM A. PASTOR | FLW, MO  
SSG ADAM SMITH | FLW, MO  
CPT DANIEL P. BRADY | Rolla, MO  
CAROLYN J. PEARSON | Champaign, IL

### Popular Downloads

- **The Evolution of Fort Leonard Wood from 1941 to 2010.** Photographic essay that shows how much the "home" for Army Engineers has changed over the years.
- **The Inseparable Bonds of Engineer Service:** Click [here](#), for a 12-page PDF file to learn more about why being an Army Engineer veteran is so special.
- **Engineer OCS Graduates:** Click [here](#) for an 8-page PDF file about Engineer OCS, Fort Belvoir, VA 1966-1967.
- **Engineer Equipment Development over the Years:** Click [here](#) for a first hand report written by a retired Army Combat Engineer, who went on to a very successful career with Caterpillar, Inc.
- **Women in Engineering:** Click [here](#) to read about women who once served in the military as engineers, and who later went on to successful careers with industry...pathways opening for them by their excellence.

\* AEA is now on Facebook -- <http://www.facebook.com/pages/Army-Engineer-Association/154530869611>

\* See Engineer Regiment NEWS at AEA website - <http://www.armyengineer.com>

## 2. [Society of American Military Engineers](#) : [The Military Engineer Online](#) : [Membership](#) [SAME Current eNEWS](#)

### a. Individual Memberships

SAME Individual Memberships offer professionals in the A/E/C field the opportunity to develop important business contacts through [national and regional events](#), and build those relationships further through our worldwide network of [Posts](#).

Stay on top of developments in the A/E/C field through our industry-leading publication, [The Military Engineer](#) magazine, where you'll learn important information from the field about everything from contracting and design to environment and emerging technologies.



Continue your professional education at our many special events, among them the annual [Federal Programs Briefings](#) and the [Joint Engineer Training Conference & Expo](#).

b. **Individual Member Applications:** [Join Online!](#) To download Individual Member applications as a PDF to be completed and mailed or faxed, please select from the following:

- [Uniformed Services](#)--active, guard, reserve and civilians employed by a uniformed service [PDF]
- [Public and Private Sectors](#)--individuals not employed by DOD, USCG or USPHS, including Young Members [PDF]
- [Student Member](#) [PDF]
- [Retired Member](#) [PDF]

- [Life Member](#) [PDF]

c. "The Society of American Military Engineers (SAME) is currently undertaking a grass roots effort to reach out to aspiring engineering and architects at local universities. SAME membership is FREE for students and also provides them opportunities for leadership, mentorship and potential internships or first jobs. To learn more about the SAME college outreach program and how to help set up a chapter at your university or a university near you, please visit [www.same.org/college](http://www.same.org/college) or send the Ben Matthews an email at [samecollegeoutreach@gmail.com](mailto:samecollegeoutreach@gmail.com).

d. **Deployed Engineering Team:** Get *The Military Engineer* and *SAME News* delivered directly to you! Complete our [temporary deployment form](#) and we will send your SAME materials to you onsite while serving in your area of operational responsibility (AOR). This free service is just one of the many ways SAME salutes our members. [Click here to provide your temporary AOR contact information.](#)

e. **Transitioning from military service?** Retiring from the Federal Government? Looking for a new and exciting position in the A/E/C industry? If the answer to any of these questions is YES, place your resume on the [SAME Job Center](#) web site. *The service is free for SAME members.* The site has been or is being utilized by over 300 companies that through their placement of job announcements have access to your resume

### 3. [Army Engineer Spouses' Club:](#)

a. The Army Engineer Spouses' Club (AESC) would like to personally invite you to become a member. Membership is open to spouses of all Active, National Guard, Reserve, Retired US Army Engineers and all USACE Civilian employees worldwide. AESC offers a monthly Castle Gram newsletter and activities in the greater Washington DC area as well as scholarship opportunities. For more information, please visit our website, <http://armyengineerspouses.com/> When at our website, don't forget to visit our Castle Boutique – you don't have to be a member to order, just click the shopping cart!

b. **Membership Benefits:** Becoming a member of the only worldwide Engineer network for those other than Active Duty Military, you will receive a 10% discount at the Castle Boutique -our online Engineer boutique- receive the monthly newsletter- the Castle Gram- be able to join others for monthly outings in the DC area & receive the yearly Red Book -Castle Directory.

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"To the Core; for the Corps"

Former "Messages to the Regiment"

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Alternate response email address is [usarmy.pentagon.hqda-occe.mbx.daen-zc@mail.mil](mailto:usarmy.pentagon.hqda-occe.mbx.daen-zc@mail.mil)