

FALL 2011

# CECOM T DAY

## FINDING EFFICIENCIES, FUNDING THE FUTURE

From the  
**COMMANDER**

News  
**BRIEFS**

**EFFICIENCIES**

Dedication to  
**EXCELLENCE**

ONE VISION. ONE MISSION. THE WARFIGHTER

# Report Suspicious Behavior and Activity

## **SURVEILLANCE**

Are you aware of anyone recording or monitoring activities, taking notes, using cameras, maps, binoculars, etc., near a key facility?

## **DEPLOYING ASSETS**

Have you observed abandoned vehicles, stockpiling of suspicious materials, or persons being deployed near a key facility?

## **SUSPICIOUS PERSONS**

Are you aware of anyone who does not appear to belong in the workplace, neighborhood, business establishment, or near a key facility?

## **SUSPICIOUS QUESTIONING**

Are you aware of anyone attempting to gain information in person, by phone, mail, e-mail, etc., regarding a key facility or its personnel?

## **TESTS OF SECURITY**

Are you aware of any attempts to penetrate or test physical security or procedures at a key facility?

## **ACQUIRING SUPPLIES**

Are you aware of anyone attempting to improperly acquire explosives, weapons, ammunitions, dangerous chemicals, uniforms, badges, flight manuals, access cards, or identification for a key facility or to legally obtain items under suspicious circumstances that could be used in a terrorist act?

## **DRY RUNS**

Have you observed any behavior that appears to be preparation for terrorist activity, such as mapping out routes, playing out scenarios with other people, monitoring key facilities, timing traffic lights or traffic flow, or other suspicious activities?



Call 911 if there is an emergency or immediate threat.  
Call the nearest Joint Terrorism Task Force (JTTF)  
to report suspicious activity or behavior (see below).  
Submit information electronically at <https://tips.fbi.gov>



Albany (518) 465-7551  
Albuquerque (505) 889-1300  
Anchorage (907) 276-4441  
Atlanta (404) 679-9000  
Baltimore (410) 265-8088  
Birmingham (205) 326-6166  
Boston (617) 742-5533  
Buffalo (716) 856-7800  
Charlotte (704) 377-9200  
Chicago (312) 431-1333  
Cincinnati (513) 421-4310

Cleveland (216) 522-1400  
Columbia (803) 551-4200  
Dallas (972) 559-5000  
Denver (303) 629-7171  
Detroit (313) 965-2323  
El Paso (915) 832-5000  
Honolulu (808) 566-4300  
Houston (713) 693-5000  
Indianapolis (317) 639-3301  
Jackson (601) 948-5000  
Jacksonville (904) 721-1211

Kansas City (816) 512-8200  
Knoxville (865) 544-0751  
Las Vegas (702) 385-1281  
Los Angeles (310) 221-9100  
Los Angeles (310) 477-6565  
Louisville (502) 583-3941  
Memphis (901) 747-4300  
Miami (305) 944-9101  
Milwaukee (414) 276-4684  
Minneapolis (612) 376-3200  
Mobile (251) 438-3674

Newark (973) 792-3000  
New Haven (203) 777-6311  
New Orleans (504) 816-3000  
New York City (212) 384-1000  
Norfolk (757) 455-0100  
Oklahoma City (405) 290-7770  
Omaha (402) 493-8688  
Philadelphia (215) 418-4000  
Phoenix (602) 279-5511  
Pittsburgh (412) 432-4000  
Portland (503) 224-4181

Richmond (804) 261-1044  
Sacramento (916) 481-9110  
Salt Lake City (801) 579-1400  
San Antonio (210) 225-6741  
San Diego (619) 565-1255  
San Francisco (415) 553-7400  
San Juan (787) 754-6000  
Seattle (206) 622-0460  
Springfield, IL (217) 522-9675  
St. Louis (314) 231-4324  
Tampa (813) 253-1000  
Washington, DC (202) 278-2000

# from the **EDITOR...**



**D**ecember is a very special time of year. Generally, it is the time of year when friends and families come together to celebrate the holiday season. We reflect back on the past year and make plans for the next. Often, we start the year with New Year's resolutions. Things like, I'm going to spend more time with the family, I will lose 20 pounds, or I'll run a marathon this year—all very admirable aspirations, time and again starting with grandeur and ending with a dusty treadmill in the corner. But this year will be different... yeah right! Whether or not we keep our personal resolutions is truly immaterial in the larger scheme of things. Because, there is no doubt, we are perched at the precipice of change. For CECOM, the change starts at the top.

In this issue we welcome several new key leaders to the CECOM Team, including the Deputy to the Commanding General, Gary Martin, and the new command sergeant major, Command Sgt. Maj. Kennis Dent. Additionally, there were significant changes among CECOM's sub-organization leadership.

As the Army searches for efficiencies across the force, our command is leading the charge and highlighting those efficiencies like LRC's Power Generation for the Future or SEC's Software Acquisition License Management.

We'll also look at the success of Tobyhanna as being one of a handful of organizations to achieve the Aerospace Standard—something truly remarkable in its bailiwick.

And finally, we draw attention to what makes CECOM so successful in such a competitive field—our people. Whether it's two men who collectively have dedicated more than fifty years to federal service or two women whose entrepreneurialism has led them rolling into new venues (quite literally)—our people are making a difference.

As this year winds to an end and you begin to reflect on the past year... here's something to think about. The United States has been at war for more than a decade. More than 1.2 million troops and 30,000 civilians have volunteered to stand in harm's way. CECOM and her sub-organizations have contributed to the fight with nearly 1,800 personnel to more than 32 locations around the world. CECOM has been, and will continue to be relevant in the fight. With new leadership, new programs and new employees, the way ahead is ripe with opportunity.

Remember, CECOM Today is your publication. If you have a story the rest of the command should know about, get in touch with me or your local public affairs representative. The leadership loves hearing about the day-to-day operations in the field.

One Vision, One Mission—**the Warfighter.**

A handwritten signature in black ink, appearing to read 'Kelly Luster', written over a light gray background.

Kelly Luster  
*Editor-in-Chief*

**CECOM Commanding General**

Maj. Gen. Randolph P. Strong

**Chief, Public Affairs**

Robert DiMichele

**Editor-in-Chief**

Kelly Luster

**Editorial Advisor**

Andricka Thomas

**Designer**

Solari Creative, Inc.

**Address**

U.S. Army Communications-Electronics Command  
 Public Affairs Office  
 6002 Combat Drive  
 Floor 1, Room D1-310A  
 Aberdeen Proving Ground, MD 21005

**DISCLAIMER:** CECOM Today is an authorized CECOM publication for members of the Department of Defense and interested entities. Contents of CECOM Today are not necessarily the official views of, or endorsed by, the U.S. Government, the Department of the Army, or CECOM. This publication aims to raise awareness about CECOM's services available to the Warfighter by informing readers about the CECOM mission; why our services are relevant and essential in today's transforming Army; communicate CECOM's impact made on the Warfighter; and update readers on the command's priorities and foci. The editorial, content of this publication is the responsibility of the U.S. Army CECOM Chief of Public Affairs, Robert DiMichele. The magazine is published three times a year and distributed electronically and in print. Electronic versions of the publication are posted to the CECOM homepage at:

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**About the Cover**

U.S. Air Force Capt. Luke Bates, a 56th Rescue Squadron combat rescue officer, uses a PRC-117G manpack radio, equipment maintained through CECOM Life Cycle Management, to update the operations desk on the progress of dive missions during an exercise at Stanford Training Area in Thetford, England. (photo by Airman 1st Class Lausanne Morgan)

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by Kelly Luster

## From the Commander

## New Leadership for CECOM



by Kelly Luster

## Honesty, Discipline, and Morale

Clockwise from Top left: Maj. Gen. Randolph Strong, CECOM Commander, welcomes Gary Martin, the new Deputy to the Commanding General; Command Sgt. Maj. Kennis Dent accepts the colors during his assumption of responsibility ceremony; Stephen Laskowski, electronics technician, works with a laptop computer that is part of the Medical Communications for Combat Casualty Care, or MC4, system; Advanced C4 Solutions PM Dave McComas adjusts the UHF SATCOM antenna on the roof top of the FORSCOM Operations Center at Fort Bragg, N.C.



by Tony Medici

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# Shifting Focus, Finding Efficiencies

*by Maj. Gen. Randolph P. Strong*

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As the final days of 2011 fall from the calendar and the biting cold of January whips in from the Chesapeake Bay, I pause to reflect on what has been a challenging, but successful year for CECOM. If someone had asked what challenges I thought we would face in completing the BRAC move, the farthest from my mind would have been earthquakes, hurricanes, snow storms and power outages. In all cases, we prevailed and our command completed what has been characterized as one of the most, if not the most, successful BRAC moves across the Department of Defense. Nearly 70 percent of our workforce made the transition from Fort Monmouth to Aberdeen Proving Ground. We dedicated the buildings on our new C4ISR Center of Excellence Campus in the names of our institutional founders. And we had a major change in the leadership across the command. None of which affected our mission or number one priority—supporting the Warfighter—a fact about which I am very proud.

Recently, we welcomed the arrival of my new Deputy, Gary Martin, who has been serving as the Executive Deputy to the Commanding General of U.S. Army Research, Development and Engineering Command here on APG. His skills and leadership abilities will be a welcome enhancement to our team. Additionally, CECOM's new command sergeant major, Command Sgt. Maj. Kennis J. Dent, arrived from his previous assignment with the 516th Signal Brigade, Fort Shafter, Hawaii. Command Sgt. Maj. Dent's commitment to the welfare of our Soldiers and civilians is akin to mine. The value added by the arrival of these two key leaders is immeasurable, and it is my pleasure to welcome them to Team CECOM.

While we have come through this time of change very successfully, we stand at the threshold of a new and even more demanding era. The United

States has been at war for more than a decade and in that time more than 1.2 million Soldiers and 30,000 civilians have volunteered to stand in harm's way. CECOM's contributions to these efforts included more than 1,800 personnel deployed globally at more than 32 locations. In addition to combat operations, our Army provided much needed humanitarian relief to Haiti, Japan, Pakistan and the Philippines. In fact, some of the first assets employed on the ground in these disaster-torn regions were C4ISR systems.

Across the force, many have paid in blood, sweat and tears. However, the Army—both Soldiers and civilians—remains resilient and strong. Believe me when I tell you, leaders across the force know the sacrifices you and your families have made. Our forces and resources have been stretched to the breaking point. And though pushed to your limits, never has one of you said, "No Sir, I can't do that." More often than not, you salute and drive on. The nation owes you a debt of gratitude.

We face uncertain times ahead. As forces continue to drawdown in Iraq and Afghanistan, the DoD and the Army as institutions, are entering a time of reshaping the force. Increasing fiscal constraints have placed us all on notice—we must all find ways to operate more efficiently. In the coming months and years, when we are asked to do less with less, our mission is still critical in the ARFORGEN Cycle requiring greater oversight. We will have to tighten our belts and find places to cut, but we will not fail those who need our services most—the Warfighter.

Remember, while our forces are returning home, the war is not over yet. We still face a determined enemy

who will do things we will not. The terrorist threat continues and is persistent. Hybrid threats made up of conventional, irregular, criminal and terrorist capabilities will continue to test our forces. These threats will avoid our strengths and attack us asymmetrically. Therefore, the Army must equip the force in the 21st Century to meet the challenges allowing the Army to maintain the decisive advantage over any enemy we face.

The country, DoD and Army are shifting priorities from being a nation at war to one whose main concerns are vital national interests. The business of kinetic warfare will become less salient while the country refocuses on the 21st century and the Army's top priority—the network—the centerpiece of Army modernization. This too, will be one of our main priorities. CECOM is technologically proficient, although geographically dispersed, with the lion's share of our workforce postured at what has become the Army's home to technology and enduring home of C4ISR, Aberdeen Proving Ground, to lead the effort in network modernization, interoperability testing and certification. By leading the charge, CECOM will be instrumental in providing a decisive advantage to the total force. Network modernization will ensure all of our forces and mission partners have the right information, at the right time, in the right place.

I look back on the myriad accomplishments CECOM experienced in 2011 knowing that 2012 will yield even more successes further solidifying our significance in the Army and at Aberdeen Proving Ground. I wish you all a Happy Holiday season and great prosperity in the coming year.

One Vision, One Mission—**the Warfighter.**



# Honesty, Discipline, and Morale.

by *Command Sgt. Maj. Kennis J. Dent*

Those are the makings of a great team.

As I progressed

though the noncommissioned officer ranks, I've gained a great deal of education through both formal and informal means. The most important attribute we can glean from any experience is teamwork. Although great talent fills stadiums and a strong defense wins games, teamwork wins championships. I am ecstatic to join the CECOM team of Soldiers and civilians which is the embodiment of that value.

This is an exciting time to join the CECOM team as it refocuses its priorities in light of the mission shifting from downrange to optimizing the integration of the Network modernization effort. Our Soldiers and civilians are returning home as the drawdown effort continues and our mission execution strategies will continue to evolve. As we continue to drawdown forces in two theaters of operation, our role in the RESET mission will be vital to ensuring units cycle through the ARFORGEN process and are mission ready. However, as we continue to face increasingly shrinking budgets, we must persevere toward becoming leaner and more efficient making CECOM even more effective in today's 21st Century operating environment.

Part of that change is focusing in on the development of the Network. We will engage our partners and customers to maintain our relevance as the first choice provider of C4ISR equipment and services. In doing so, it becomes vitally important

to identify efficiencies and exhibit discipline in our thinking and tactics to deliver the best and most cost-effective services to our customers. Discipline in our work ethic and dedication to streamlining our business processes and training opportunities will prove invaluable as we navigate through this shift in focus.

During my tenure here, I will endeavor to visit and seek feedback from all of our team members, partners, and customers and share that feedback with the CECOM workforce.

We are embarking on a climate of less—fewer resources and personnel. That's why it is imperative that the morale of our CECOM workforce is one of being mission-focused for the benefit of the end user—the Soldier. I will labor to create a climate of reliability and resiliency—the very attributes I expect of the CECOM workforce.

I am confident in your ability to take CECOM to the next level as we engage with our Joint, coalition and interagency partners. Your reputation of superior customer service and support to the Soldier precedes you all. As a Signal NCO, I am no stranger to the phenomenal work you do each day to support the Soldier. I am both humbled and privileged to serve and support the vital lifeline that connects the Soldier—CECOM. The prospect to join the CECOM team of Soldiers and Civilians is one I embark on with great vigor looking forward to a rewarding and a unique opportunity to serve among the best of the best.

One Vision, One Mission—**the Warfighter.**







**Master Sgt. James Zabain Young**, the Communications-Electronics Command Southwest Asia Support Operation Senior Enlisted Advisor (CECOM, SWA, SPO), begins his typical day in Kuwait at 4 a.m. by running seven miles and then working out at the gym. By 7:30, he's at his desk reviewing email to see if any high priority issues cropped up over night. By 9 a.m. Young is meeting with various representatives ensuring CECOM's daily mission, the retrograde and drawdown of equipment from Iraq, is meeting requirements and benchmarks. A short time later, he heads out to the yards to ensure things are running smoothly and equipment is heading in the right direction—either back to the United States or to Soldiers in the fight. He then meets with command teams to discuss how CECOM can help them fulfill their missions. Young said the great thing about his job is he is helping the Warfighter get the equipment they need to communicate on the battlefield. During his 18 year career, Young has deployed five times—four times to Iraq and once to Kuwait—but is due to head home by the end of the year.

**Cindy Boyer**, CECOM Software Engineering Center Field Support Directorate, just returned from Baghram, Afghanistan, where she was assigned as support manager for the 401st Army Field Support Brigade. Boyer was responsible for day-to-day support and coordination of 157 deployed contractors ensuring functionality, integration and interoperability of more than 15 mission-critical Command, Control, Communications, Computers, Intelligence, Surveillance, and Reconnaissance systems. Boyer's work included resolving integration issues between the systems she was responsible for and an additional ten systems deployed in theater, making sure key intelligence assets shared information and critical force protection systems were constantly mission-ready. According to Boyer, mission successes are much more satisfying because of the challenges of the Afghan environment. A former Soldier herself and no stranger to deployments, Boyer developed a real appreciation for the challenges of our troops face daily in theater. "There are only so many roads and passes through the mountains. (They) know and face the dangers every time a convoy goes out" she said. "What we do supporting our Warfighters is crucial."



## ▶ Depot expertise provides cutting-edge medical technology to Warfighter

by Justin Eimers, TYAD

Expert personnel at Tobyhanna Army Depot have combined their skills with cutting-edge technology to provide the Warfighter battlefield-access to a military medical information system.

Since fiscal year 2009, the depot has fielded, repaired and programmed more than 10,500 handheld devices, and 5,600 laptops and mobile servers, which are part of the Medical Communications for Combat Casualty Care, MC4.

MC4 is a comprehensive medical information system providing access to Soldiers' lifelong electronic medical records, streamlining medical logistics and enhancing situational awareness for Army medical forces. The depot began its support of this mission in 2004.

Finding the key to successful productivity of MC4 devices has been all about adapting to change while looking forward, says Stephen Laskowski, electronics technician in the Command, Control, Communications (C3)/Avionics Directorate.

"Technology has changed a great deal from the programming perspective," Laskowski said. "We use to load electronic medical recording, EMR, software using floppy disks. Now, computers are booted from a CD and then imaged with a server."

This process has dramatically cut the time for software integration. Prior to using a server, imaging 24 laptops took three hours to complete. Now, the same number of computers can be imaged simultaneously in 35 minutes. The team also streamlined the handheld device programming process with the help of a memory card duplicator.

The depot has a memorandum of agreement with CECOM that is renewed annually. The depot has outperformed the agreement requirements year after year, increasing customer satisfaction, states Benjamin Pryor, deputy of logistics management for MC4 at Fort Detrick, Md.

"Has Tobyhanna surpassed expectations? Yes, they have," said Pryor. "We provide the depot major software updates every six months to a year. Tobyhanna has done well in handling this challenge."

To date, technicians have fielded nearly 50,000 MC4 ruggedized laptops, servers, handheld devices and printers. Tobyhanna has ensured those mission-critical systems end up in the hands of deployed medical forces.



Stephen Laskowski, electronics technician, demonstrates the capabilities of a Motorola personal digital assistant that can be programmed to contain medical reference materials and patient records.

by Tony Medici

## SEC Software to make Army food service more efficient

by Pat Devine, SEC

What do software engineers have to do with feeding Soldiers in Afghanistan? As it turns out, a great deal! In early 2012, the CECOM Software Engineering Center will field the Army Food Management Information System, AFMIS, to forward operating bases and supply support activities in Afghanistan and train food service personnel on its operation.


AFMIS provides automated support for operation of the Army's worldwide food program. According to George Dixon, SEC's AFMIS Project Officer, with AFMIS, users can order, receive, inventory and account for field rations. "The system supports dining facility tasks such as menu planning, meal production, recipe management, head count, scheduling labor, cash collection and equipment replacement," said Dixon.

The Army food program in Afghanistan is currently supported via a "pull" system that requires ordering by individual line item

and quantity. "Unit requirements are consolidated manually at class I yards and the Army Budget Office has to process many unnecessary obligations and accrual transactions for food purchases," said Dixon. "Since AFMIS automatically records and reports obligations and accruals, this fielding will significantly reduce budget office efforts."

AFMIS also allows units to order on a "push" basis. "The unit simply reports its present-for-duty strength and food is provided based on an authorized theater menu. AFMIS rolls-up unit requirements into consolidated warehouse orders, while preserving the unit's requirements for issue," said Dixon.

AFMIS may not make those mashed potatoes taste better but, once fielded, it will save the Army money by reducing paperwork and improving efficiency.



Soldiers standing in chow lines at home and in Overseas Contingency Operations, will benefit directly from the implementation of AFMIS by reducing costs and improving efficiency.

# > CECOM suborganizations



Lane Collie, Director LRC

## Lane Collie assumes role as Director, Logistics and Readiness Center

by Jennifer Brady, LRC

This past August, the Logistics and Readiness Center, LRC, welcomed a new Director, Lane Collie, replacing Dave Sharman. Mr. Collie oversees a global organization of more than 2,000 employees through management of its eight directorates. These directorates support national inventory control point, national maintenance point, security assistance to allied nations, production and industrial base management and planning, integrated logistics planning, and field technical assistance. These organizations encompass more than 20 countries and 100 sites.

This is not Collie's first role within CECOM. He began his career as an equipment specialist for the Ground Support Equipment Aviation System Command in St. Louis, Mo. Next, he moved to the Communications-Electronics Command, then at Fort Monmouth, N.J., working as an Integrated Logistics

Support Manager, ILSM, for Project Manager FireFinder, and later as an ILSM and Project Leader for Program Manager Tactical Endurance Synthetic Aperture Radar. He left Fort Monmouth to serve as a Logistics Staff Action Officer in Maintenance Policy for the Deputy Chief of Staff for Logistics, G-4, at the Headquarters of the Department of the Army, in Washington, D.C.

Collie was appointed to the Senior Executive Service in 2007 as the Principal Deputy G-3 for Operations, a position he held in addition to his role as Executive Deputy for Supply Chain and Industrial Operations with the AMC in Fort Belvoir, Va. In this capacity he exercised leadership and policy responsibility for integrated logistics support planning and supply chain operations across the Army Materiel Command enterprise.

Collie held his first Town Hall meeting recently, and plans to hold these meetings quarterly. He plans to hold these quarterly as a way to promote two-way communication with the LRC workforce.

# welcome new leadership

## Kramarich takes command of USAISEC

by Delle C. Lambert, ISEC

After heavy thunderstorms and lightning tried to washout the change of command rehearsal, the U.S. Army Information Systems Engineering Command, ISEC, Fort Huachuca, Ariz., welcomed a new commander and bade farewell to the outgoing commander under cloudless, sun-filled skies.



by Amy McLaughlin

Col. Sylvester "Sly" Cotton, Maj. Gen. Randolph Strong, and Col. Kris Kramarich render a salute to the colors while the 36th Army Band plays the national anthem. Cotton relinquished command to Kramarich on Fort Huachuca, Ariz., Aug. 12.

Col. Sylvester "Sly" Cotton relinquished command Aug. 12, 2011, of ISEC to Col. Kris Kramarich in a traditional ceremony hosted by Maj. Gen. Randolph Strong, commanding general of the U.S. Army Communications-Electronics Command.

Strong presented Cotton with the Legion of Merit medal for his accomplishments as the ISEC commander.

Cotton thanked the ISEC team for supporting him and the Soldiers on the front line. "That's why we come to work every day," he said.

"The Soldiers on their fourth and fifth tours deserve to know that we are doing everything within the realm of the possible to provide them with real-time secure access to the most advanced communications networks in the world," he added. "We simply cannot afford to provide anything less."

Cotton mentioned ISEC's many successes over the past two years, credited the workforce for their hard work and expressed his pride in being able to serve as their commander.

Kramarich, who hails from Belgrade, Mont., was commissioned a Distinguished Military Graduate into the Military Intelligence Corps in 1990 and later transferred to the Signal Corps, is no stranger to Fort Huachuca.

"I began my career on this post 21 years ago with my eyes closed," she said, addressing the ISEC team. "I return with them much wider open; but I know during my time with ISEC, you will open even further."

Kramarich said she looks forward to commanding ISEC and sharing the Army's information technology mission of providing quality services to both home stations and deployed areas of operation.

"I'm honored to join the ISEC family," she concluded.

## ▶ CTSF takes HBSS on road to tactical success

by David G. Landmann, CTSF

There was a time when the words “Host-Based Security System” struck terror into the hearts of the program managers of Army tactical software systems.

Those days, however, are rapidly fading into dim memory, thanks to the cooperative efforts of Central Technical Support Facility, CTSF, engineers and testers, and PEO-Command, Control, Computers-Tactical, PEO-C3T.

Between them, CTSF and PEO-C3T personnel transformed a mandated cyber security system that seemed to crash every system into which it was integrated, into a powerful weapon for fending off attacks on military software.

The CTSF first began looking at HBSS in 2010 when it was handed over to the facility’s System of Systems Integration, SoSI, branch, and network engineer Ricardo Chapa. It was apparent from the CTSF’s first association with HBSS a little more than two years

ago, that the MacAfee-based software security suite was not just another system. It came to the CTSF along with a mandate from Army Cyber Command that it would be fielded no later than June 30 of this year.

As of mid-April, the official word was that HBSS had to be integrated into all of the Army’s Programs of Record, PORs, deemed interoperable by that time.

So Chapa began the arduous task of integrating the HBSS security suite into tactical PORs, and HBSS made its first appearance on the test floor on April 18.

According to Connie Landmann, the CTSF test officer in charge of examining HBSS, the system was then injected for pilot testing into ten Software Block 2 PORs, and those systems were tested against 30 selected mission threads.

“We had some trouble getting started,” Landmann said, “because we were using system-specific policies (code that allows HBSS to perform within specific software).”

As a result of the procedures that evolved during pilot testing, a permanent lab was established in cooperation with PEO-C3T on the CTSF 12 West test floor to test and develop HBSS policies. “The lab was created in June,” she said, “to provide a place to do HBSS integration work on new software, and to do test-fix-text work.”

As a result of the pilot testing and the integration and policy development work done in the HBSS lab, interoperability testing of HBSS in the SWB2 environment went very smoothly, both Landmann and Fishman reported.



by David G. Landmann

Central Technical Support Facility Director, Col. John C. Matthews, is briefed on the operation of the CTSF’s Afghan Mission Network lab by Test Operator Talaya Johnson. CECOM’s CTSF is leading an international team in the development, integration, and evaluation of the network now in use by coalition tactical units in Afghanistan.

## Did you know?

CECOM’s Central Technical Support Facility is the hub of the Army CIO/G-6’s Federation of Net-Centric Sites (FaNS), a network that enables distributed testing of system interoperability across the United States.

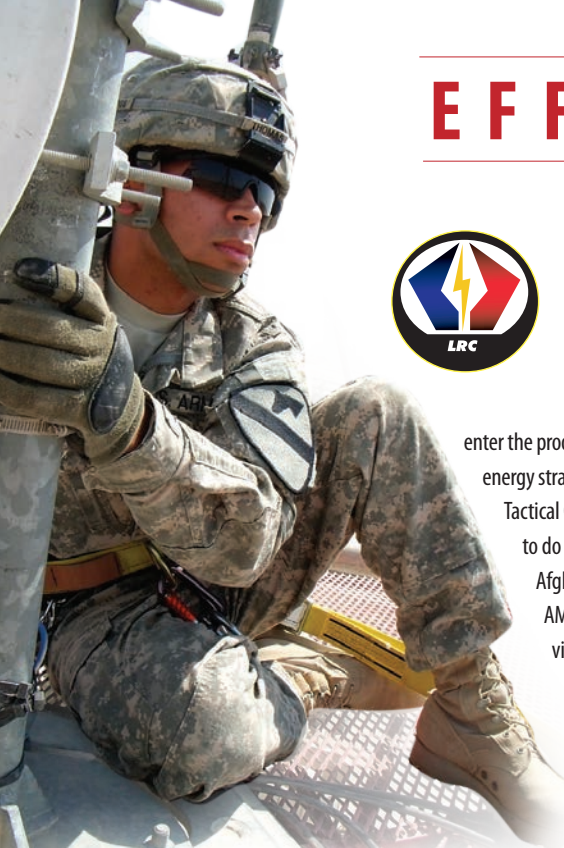
# CECOM

Moving  
**EFFICIENCY**  
from the  
drawing  
board to



the  
**BATTLEFIELD.**

# EFFICIENCIES



## Power Environmental Directorate: Power Generation for the Future

This summer, PM Mobile Electric Power's Advanced Medium Mobile Power Sources, AMMPS, family of generators was Type Classified Standard, granted a Full Materiel Release and approved to enter the production and deployment phase at a key moment of DoD's operational energy strategy. With a 21 percent fuel savings advantage over the predecessor Tactical Quiet Generator, TQG, family, the AMMPS program stands ready to do its part in significantly reducing the Army's fuel consumption in Afghanistan. With a production cost 20 percent less than the TQG, the AMMPS family of generators represents a significant leap forward in virtually every aspect of tactical generator performance.

Logistics and Engineering Operations, Back-to-Basics Overview, FORSCOM, has begun an initiative called Back-to-Basics on the maintenance of their equipment. By returning to a system in which Soldiers perform unit and organizational level maintenance that in the recent past has been conducted by a Source of Repair, SOR, this back-to-basics change will save hundreds of millions of dollars in the RESET process across the Army and will also ensure Soldiers are being trained to perform the essential Tier I maintenance tasks designed for them to conduct.

by Spc. Jason Pagan

Pfc. Roberto Alvarado reorients the line of sight for an antenna on top of a signal tower at Forward Operating Base Marez in Mosul. By realigning the antenna, Alvarado fixed connectivity issues for 3rd Bn., 8th Cav. Regt.



## ISEC teams with PM I3MP

A significant part of ISEC's success during BRAC was their ability to establish a teaming relationship with PM Installation Information Infrastructure Modernization Program, I3MP. ISEC spent a significant amount of time and effort coordinating with our BRAC customers outside plant and networking requirements with ongoing PM I3MP efforts. This arrangement has been instrumental in creating efficiencies with the I3MP schedules, designs, and prioritization at each BRAC affected installation. Without an ISEC and PM I3MP teaming arrangement, there would be a significant risk of re-working already completed modernization efforts in order to include each BRAC customer's unique IT requirements.





## Testing, Verification and Validation

Program managers turn to the Central Technical Support Facility, CTSF, for testing, verification, and validation when they add new capabilities to their systems, or when new demands are placed on those systems. Currently, CTSF test officers, operators, and engineers are testing a new version of the Force XXI Battle Command-Brigade and Below, FBCB2, software because it contains an update that must be fielded prior to January for the continued operation of the system. The CTSF will expedite the necessary testing, complete a report on the software, and forward that report to CIO/G-6 well within the necessary time frame. The CTSF's trained, expert and experienced personnel make actions like this possible.



## Overhead reductions save \$30 million

An across-the-board review of last year's budget requests helped save Tobyhanna Army Depot about \$30 million by reducing select overhead expenses for maintenance and base operations directorates by more than 10 percent. Finance experts in Tobyhanna's Resource Management Directorate joined forces with functional analysts to lead an effort to review budget requests and identify where reductions could be made; effectively stopping a steady increase in costs since fiscal 2006.

Nearly every piece of information needed to fix complex electronics equipment is readily available at an employee's fingertips. Tobyhanna Army Depot's Paperless Initiative Project delivers thousands of digitized technical publications from a central data repository to computer screens across the depot. Implementing innovative technologies has resulted in the scanning, archiving, and consolidation of more than 153,000 publications previously stored on shelves in the Technical Library.



## SAM/CALM to save big dollars

Every organization uses software and every organization is concerned about saving money. Through their Software Acquisition Management/Centralized Acquisition License Management (SAM/CALM) initiative, the Software Engineering Center helps organizations do just that. SEC centralizes procurement of commercial off the shelf software and manages software maintenance renewals, licenses and software assets. Their software acquisition experts reduce the cost of procurements by consolidating requirements, using existing government software agreements, reusing licenses, etc. SAM/CALM has consistently achieved annual savings of more than \$2 million.

## Profile of Excellence:

## TYAD 3rd organization to achieve exclusive standard

by Anthony Ricchiazzi, TYAD

Tobyhanna Army Depot just joined an elite group of public and government organizations that have earned certification in internationally recognized standards for quality.

TYAD is the first military installation and only the third organization of any type in the world, to achieve certification to both Aerospace Standard (AS) 9100 Revision C and AS9110 Revision A, said Larry Bulanda, Quality Management Division, QMD, chief.

The AS9100/9110 certification signifies the depot's commitment to meet or exceed increasingly stringent industry requirements as a world-class supplier of defense systems and related products to civil and military markets, according to QMD officials. The division is part of the Productivity Improvement and Innovation Directorate.

"Companies and other private and government public organizations here and abroad require AS certification before they will consider doing business with another organization," said Bulanda.

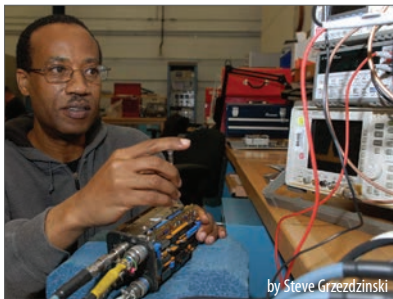
The depot was audited by AS officials in July. Rimas Bildusas, a senior quality assurance specialist in QMD, said the four auditors pointed out several strengths, including the depot's experience and expertise in core products.

"They noted our workforce is very knowledgeable and skilled in many areas to accomplish customer requirements, and depot personnel are committed to a professional work environment," said

Bildusas. "Not only are the work areas organized and refined by Lean events and 6S audits, but continual improvement to enhance operations was evident from on-going upgrades."

Although the auditors were impressed with depot personnel and operational efficiency, some improvements were made to earn certification.

"During the preparation period, there were a lot of questions on requirements



Abe May, electronics mechanic, performs an analog adjustment for the AN/ANPN-209 radar altimeter.

and processes that did not have established answers; there were many mid-process changes as they became available," said Paul Sumski, Multipurpose Cable Fabrication Branch, Systems Fabrication and Support Directorate. "Everyone worked hard to help achieve certification."

Bulanda said there are three standout accomplishments.

"Tool control is one. We worked with personnel in the Tool Crib Operations Branch to build hundreds of Process Tool Boxes that were placed in AS shops," he

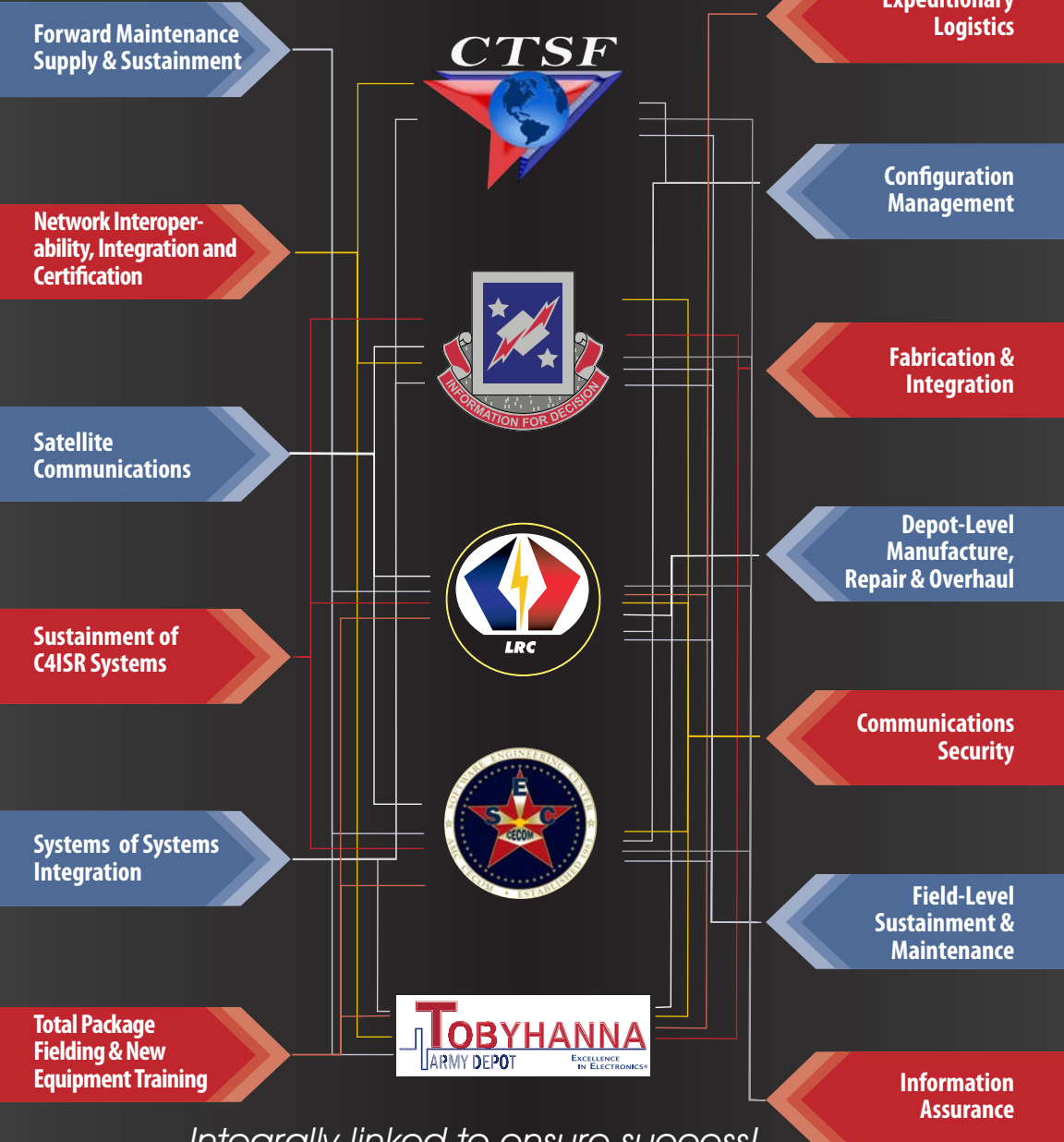
explained. "This gives the technicians in those shops improved tool control, helping to eliminate potential foreign object damage, FOD, from loose tools."

Another important accomplishment was the development of the FOD program. FOD is basically loose equipment or other objects that may damage equipment if not stored or disposed of correctly. QMD personnel in conjunction with Information

Management personnel developed a voice over slide show and hands on training to identify and eliminate FOD problem areas. American Federation of Government Employees, AFGE, Local 1647 assisted with the implementation of depot Regulation 702-23 Foreign Object Debris and Foreign Object Damage Prevention, Control, Awareness Program and Tool Control, which governs the program.

The third standout is the development and implementation of the Qualified Task Listing, or QTL, Form ELTY-6251, a document that meets the AS requirement to have a record of an employee's qualifications to perform assigned tasks.

"Obtaining AS certification is a big accomplishment by the total depot team," said Brad Jones, director of Productivity Improvement and Innovation. "Almost every part of the depot had a hand in the success. It shows that the quality of work performed by the depot workforce meets very rigorous industry expectations."



*Integrally linked to ensure success!*

# SEC employee changing lives through STEM outreach, one student at a time

by Jessica Rigdon, SEC

Anthony Lambert knows about volunteering.

Raised in El Paso, Texas, Anthony learned what it really meant to give back to his country and community. He grew up in a proud Army family where his father volunteered to fight for his country and his mother actively volunteered in their community.

"I was raised to believe I have an obligation to give back to my community," said Lambert. "I am not originally from Maryland, but I live here now and this is my community."

Lambert is doing just that as a mentor in the CECOM Software Engineering Center, SEC, Education Outreach Program at Aberdeen Proving Ground, Md.

Lambert is one of a group of SEC employees who volunteer their time at Edgewood Middle School to meet with students in need of a mentor. The volunteers provide career planning, guidance and homework help, but Lambert says that the mentoring goes far beyond school work.

"I was there to give a little guidance and to be a sounding board for them. If the students had a problem, they used me to help them think critically through it."

But it wasn't just about the homework or the studying he said. Some students used the time to talk about personal issues. Lambert said kids aren't the only ones getting something out of the program.

"You definitely learn a lot from the students—a lot about yourself. As you get older your problems seem more complicated, but when you look at it like a kid, you see it should be easy."

Math and science are the main focus of the mentor program, but his focus is dedicated to providing a window of opportunity for kids to enjoy school. Lambert hopes he can inspire his students to eventually pursue careers at SEC.

The mentor program is closely supervised by Margaret "Peg" Taibi, a guidance counselor from Edgewood Middle School. She pairs students and mentors, depending on the student's needs and how they will benefit from the program. "It is a wonderful

opportunity for our students to communicate and share with an individual about any academic challenges they encounter at school and receive the caring support from a dedicated mentor," says Taibi. Through this program, the students are also exposed to the world of careers in science, technology, engineering and mathematics otherwise known as STEM.

Kim Hoyle, SEC Employee Development and Education Outreach Coordinator, is a strong advocate for the program because of its ability to foster an interest in math and sciences. "What we're doing is a great way to give back to our local Army community as well as SEC because we are creating our workforce of the future," said Hoyle.

The STEM Initiative is a collective effort at Aberdeen Proving Ground to engage local students in coursework promoting their interest in science and technology education programs. Through the SEC outreach program, mentors open the door for students to view math and science in a new light.

Hoyle believes in addition to being a mentor, you are seen as an extra support system for the student.

"These kids need positive role models and examples of what they can become," says Hoyle. "If we can improve one kid's life, then it's worth it." As a part of SEC's strategic plan for education outreach, Hoyle is currently working closely with Edgewood Middle School to partner even more mentors with students.

"SEC has a strong commitment to STEM outreach," says Nelson Keeler, SEC director. "As a sustainment organization, we know it is in the Army's best interest to sustain and improve our ability to recruit a world-class workforce. In our minds, recruitment starts in our local community schools, where the STEM foundation is laid."

Early in the middle school years is the best time to expose students to the world of STEM careers. "This is a time in a young person's life where we can spark a genuine interest, which eventually could lead to a future career," said Taibi.

But SEC's STEM Mentor Program is just one of a number of STEM initiative programs at APG. In 2009, in response to

community interest, APG Garrison Commander, Col. Orlando Ortiz, created Team APG, a group of tenant organizations working together with the installation's school liaison office to revitalize the connection between APG and the local schools. SEC's participation in STEM began with this effort and continues to focus on the positive impact the program has on students.

"There is a significant shortage of kids interested in science and technology in Harford & Cecil counties—we are working hard to change that," said Hoyle.

SEC Director Nelson Keeler is another advocate of the outreach program. "Thanks to the Army's Base Realignment and Closure and the addition of the Team C4ISR Center of Excellence, we have a commanding presence that cannot be ignored," says Keeler. "The STEM APG project is trying to boost the number of students entering college in a STEM major, hopefully motivating them toward careers in their own backyard—careers working at APG for the U.S. Army."

The program is always looking for committed individuals who are willing to dedicate their time and energy to making a difference for a student through mentoring. Taibi believes just about anyone can be a mentor. She stresses a mentor is "a person who can build a supportive, caring partnership that is based on trust."

Lambert enjoys volunteering, and says that he hopes his efforts foster a burgeoning interest in school. He points out "The kids I see in the program are incredibly smart. Although some have many challenges in school, it is not because they aren't very intelligent in their own way. Each student is different and poses a unique challenge; it is my goal to help them look beyond it to reach their fullest potential." When it all comes down to it, he said, volunteering is all about making a difference.

"If with just an hour out of your day you could possibly change someone's life, then what are you waiting for?"

Anthony Lambert, a school partnership mentor volunteer from the Software Engineering Center, assists Chukwumobim "Chummy" Ofoche, an 8th grade student and mentee from Edgewood Middle School, with homework questions.



by Jessica Rigdon



## Project manager/

by Delle C. Lambert, ISEC

Brad Amon began working for the Army Materiel Command, AMC, in May of 1989 as a maintainability engineering intern. In 1991, he was assigned to the Jefferson Proving Ground, JPG, in Indiana working on test instrumentation for high-explosive ordnance. When JPG was closed due to Base Realignment and Closure, BRAC, he moved to Dugway Proving Ground as a Lockheed contractor in 1994.

Amon came back to the Army as a civilian at Fort Huachuca in January 1995. Since 1995, he has worked at the United States Army Information Systems Engineering Command, ISEC, and has been dedicated to the development of Combat Service Support, CSS, Automated Information Systems Interface, CAISI, from 1997 to present. "I find CAISI challenging and rewarding. Teaching the Soldiers about CAISI and working with them to develop better ways to use technology to accomplish their job is thrilling."

CAISI provides deployable network

“Although there have been many challenges through the years, the CAISI team has always persevered and come through for the Warfighter.”

~Brad Amon

# former intern, riding CAISI roller coaster

equipment for Army Logistics units worldwide. CAISI fills a critical role in logistics support and advancement. By providing wireless communications, CAISI reduces set-up and tear-down time, covers a broader area, and supports more users in a given area with data speeds high enough to support web-based logistics. It puts the logistics community on the path to providing real-time logistics data and enabling faster requisitions. This makes CAISI an important tool in providing responsive and efficient support to our combat operations.

Today, the Army owns more than 39,000 current versions of wireless CAISI 2.0 bridge modules. They are used in at least 3,200 separate, worldwide locations. Amon said he has traveled to Korea, Germany, Italy, Kosovo, Afghanistan, Iraq, Japan, and throughout many locations in the U.S., to train and support the Warfighter. Army logistic technologies and DoD information assurance requirements are continuously evolving. Amon stated we have to keep adapting the system and focus on making it more reliable, maintainable, secure, and easier for the Warfighter to employ. "We take pride in the fact that CAISI is built to be

Soldier-owned and operated. No support contractors are required to deploy permanently with the units to support the system.

Working out of the new CAISI lab located at Fort Huachuca, Ariz., a team of six ISEC engineers and a computer scientist worked diligently to improve the CAISI system. Those forming the current team are: Clyde Roark, Systems Engineer; Tanya Renteria, Computer Scientist; Richard Sinclair, Systems Engineer; Mike Chasse, Systems Engineer; Brad Amon, Lead System Engineer; and Rodney Harp, Electronics Engineer.

"My team and I enjoy the challenge of CAISI, it is like taking a ride on a rollercoaster," said Amon. "It is always moving and sometimes changing directions very fast. Although there have been many challenges through the years, the CAISI team has always persevered and come through for the Warfighter."

In addition to his busy work schedule, Amon spends a great deal of time with his seven children and nine grandchildren who participate in softball, football, and track within the Sierra Vista community.

## Did you know?

Under the direction of Project Manager, Defense Communications and Army Transmission, PM DCATS, ISEC is providing engineering support for the Modernization of Enterprise Terminals, MET, program in Southwest Asia SWA. The MET program is designed to modernize the Army's aging fleet of enterprise satellite communications, SATCOM, earth terminals.



## Employee's experience and dedication saves CECOM \$1 Million

By Jennifer Brady, LRC

Approximately 20 years ago, more than 550,000 troops were mobilized and deployed to Kuwait and Iraq for Operations Desert Shield and Storm. Additionally, 7,000,000 tons of equipment and supplies, a true logistical nightmare by any measure, were also moved into the theater. As operations concluded and forces began withdrawing from the country, leaders were faced with the prospects of what to do with all of the gear once used to decisively defeat the enemy as well as to provide life support and sustainment to troops. It was either financially or logistically not cost effective to move everything back to the United States. By some estimates, “mountains of metal” stayed behind as troops were welcomed home with open arms. Flash forward to 2011. . .

Leaders are once again faced with the prospect of moving “mountains of metal,” but this time, they are prepared so history doesn't repeat itself. While the Department of Defense has charged each branch of the armed services with finding coveted dollars and savings in this time of financial constraints, recognizing early on not everything will make the return trip to American soil—there are organizations whose employees have already found ways to save, such as CECOM's Freddie Puckett.

“Freddie is very reliable and I depend on him. I know when I give him a tasker he's going to stay with it until it's complete.” ~ Jim Roberts, C4ISR, RSC Site Manager

Puckett, a contractor since 2006, working in support of CECOM's Logistics and Readiness Center, Field Sustainment Support Division, Regional Support Centers, Fort Bragg, N.C., deployed to Joint Base Balad, Iraq, to support the Electronic Systems Support Center's Iraq mission by providing administrative and logistical support to the RSC manager. In his new role, Puckett supported several programs located on CECOM sights at Joint Base Balad including Trojan Spirit, Prophet Systems, COTS Radios, and Guardrail.

“I was responsible for all infrastructures for two CECOM sights located in Ballad,” said Puckett. “[But] It was the day-to-day operation for which you couldn't plan.”

According to William Roberts, chief, CONUS East/Europe Branch, Puckett performed his duties in an exemplary manner even as the overall programs he supported grew from small operations to large operations, requiring additional infrastructure support.

“When I started in Iraq we had 50-60 people,” said Puckett. “At our height we had 200. . . as the number of people grew so did the infrastructure.” Through his efforts of working with the 402nd Army Field Support Brigade Staff and other Force XXI Contractor Agencies, he was able to provide the infrastructure support required to ensure the various programs had what was needed to provide the Warfighter with the best support possible.



Due to his vast experience, both in and out of uniform as a Department of the Army Civilian and Contractor having served his country for nearly 48 years, Puckett initiated a vigorous storage container program which saved the government more than \$1 million. The program he initiated required a monthly inventory of more than 350 storage containers. During the inventories, leased containers were identified. Puckett then worked diligently with the Program Managers on sight to consolidate stored items thus reducing the number of containers required. By searching for efficiency from within the organization and consolidating on-sight storage, Puckett launched an effort to turn-in leased containers, thus eliminating monthly leasing fees. Through his efforts, more than 200 leased containers were turned-in and his overall container number dropped from 350 to less than 180 containers on sight.

After his deployment to Iraq came to a close, Puckett had his sights set on returning to where it all began and retiring—Fort Bragg, N.C. Almost five decades ago, Puckett was a young infantry Soldier who attended Basic Training, Advanced Individual Training, and “Jump” School (the Basic Airborne Course) at Bragg and spent his first duty assignment at the Home of the Airborne.

However, recognizing the contributions he made and his breadth and depth of knowledge, leadership at the Fort Bragg RSC called on Puckett in Jan. 2010, to fill a void and directly support the FSSD RSC Manager. Earlier this year, Puckett assumed the duties of the Deputy Site Lead and is responsible for overseeing day-to-day operations in support of the customers.

“Freddie is very reliable and I depend on him,” said Jim Roberts, C4ISR, RSC Site Manager, and Puckett’s supervisor. “I know when I give him a tasker he’s going to stay with it until it’s complete.”

Freddie Puckett, the Deputy RSC Manager, Fort Bragg, N.C. at right, obtains repair information from Thanh Hoang, on AN/PAS-13 maintenance requirement.



# Tobyhanna Army Depot: Center of Radar Excellence

by Anthony Ricchiazzi, TYAD

A large, white radome dominates the high ground at Tobyhanna Army Depot. It symbolizes the growing number of radars and sensors, including Air Defense, Air Traffic Control, Ground Surveillance, Airborne, Shipborne, Range Threat systems and critical Counter Fire systems, which Tobyhanna personnel maintain and support for the Army, Air Force, Marine Corps and Navy.

"Tobyhanna has been repairing and testing radars since the 1960s," said Col. Charles Gibson, commander of Tobyhanna Army Depot. "So we have extensive capability and experience in this critical commodity."

Tobyhanna has flexible and modern facilities to handle today's radars and accommodate additional systems. The depot's Antenna and Radar Range Campus offers 12 distinct radar test sites comprised of multiple test pads and specialized support facilities and equipment. Indoor testing includes several anechoic chambers, Near Field Probes, an elevated temperature burn facility and rain testing. Outdoor testing includes modified Munson Road facilities (used to ensure systems will function after being driven over rough terrain) and a Tower Track calibration range.

The indoor and outdoor facilities were designed and installed with flexibility in mind to rapidly adjust to changing missions and meet technical advancements. These facilities enable the depot to support not only current repair and overhaul missions, but upgrades, modifications and technical insertions as well. "We do not need to take the radars to any other facility, we can do it all here," George Galaydick, electronics engineer, Production Engineering Directorate.

The latest additions to the depot's 50 years of radar support are the Marine Corps' AN/TPQ-46 Firefinder Radar, the AN/TPS-59 Tactical Ballistic Missile Detection and Tracking Radar and the AN/TPS-63 Air Surveillance Radar. These radars transferred to Tobyhanna from the Marine Corps Logistics Base Barstow, Calif., as a result of a 2005 Base Realignment and Closure decision.

"The Marine Corps AN/TPQ-46 Counter-Fire Radar was a natural fit for Tobyhanna, since it is essentially a version of the Army's



Workers recently constructed a high-tech radome that will be used to repair and test Marine Corps radars. The 77-foot radome is part of multi-million dollar construction and renovation projects around the depot to prepare for the arrival of AN/TPS-59 radar antenna workload. Other test facilities include a 330-foot communications tower. Overhaul capability will reside in 60,000 square feet of newly renovated space within the industrial complex.

The depot can test up to three Air Force AN/TPS-75 radar systems and one stand alone antenna simultaneously. Several systems are completely overhauled and tested each year. The radar is used for operations and control of tactical aircraft.





by Steve Grzezdziński

Dan Nawrocki, electronics mechanic, connects test cables to feed points on an MST-T1 (a) Multiple Threat Emitter System, MUTES, antenna wave guide system. The systems are an Identify Friend or Foe tracking and training simulator that provides threat signals to train aircrews to evade enemy weapons.

AN/TPQ-36 system, which is already fully supported by the depot with existing facilities and highly trained personnel,” said Deputy Commander Frank Zardecki.

The surveillance radars are supported with new testing facilities and repair capabilities, such as the 77-foot diameter protective radome, a signal source and target tower, and a Far-Field Antenna Pattern Range complex capable of supporting a broad range of frequencies.

The depot supports more than 20 major radar systems, including the Firefinder family of radars, the Lightweight Counter Mortar Radar, Air Force Air Defense Radars, Air Traffic Control and Landing Systems, and Electronic Warfare Range Threat simulators. In fiscal year 2010, the depot completed the repair and overhaul of more than 100 major radar systems and countless secondary radar items for both Defense Department and Foreign Military Sales customers.

“So whether it’s air defense, counter-fire, air traffic control, navigation, long range surveillance, threat simulators, mine detectors or even interrogators and transponders, Tobyhanna has the tools, skills and facilities to support mission-essential tasks,” said Mark Viola, chief of the C4ISR Maintenance Division, Production Engineering Directorate.

Tobyhanna has more than 500 employees dedicated to radar systems support, including the largest concentration of electronics mechanics with radar skills in the Defense Department.

Facilities, experience and personnel make Tobyhanna the Defense Department’s one-stop-shop for radar sustainment, engineering, redesign and environmental testing. The depot’s reach is global, operating a number of Forward Repair Activities throughout the world, said Joe Salamido, chief of the ISR Engineering Branch, Production Engineering Directorate.

Tobyhanna is always looking to the future, Viola said. “On the horizon are some of the latest Defense Department radars, including the Firefinder EQ-36, Ground/Air Task Oriented Radar (G-ATOR), AN/TPY-2 Ballistic Missile Defense Radar, Deployable Radar Approach Control (D-RAPCON), and the new Joint Threat Emitter systems and sensor suites onboard Unmanned Aerial Vehicles.”

“As new systems like these move from manufacturer support to organic, Tobyhanna will be there to ensure that the nation’s Soldiers, Sailors, Airmen and Marines continue to see in new and better ways and survive the challenges of tomorrow’s battlefield,” Gibson said.



by Steve Grzezdziński



## Test operator/entrepreneurs roll into skating rink business

by David G. Landmann, CTSF



When she was just 13, Jennifer Alpizar, in a video-taped interview, announced she would someday own and operate a roller skating rink.

Now, Alpizar and her sister, Jessica Gordon, both senior test operators at CECOM's Central Technical Support Facility at Fort Hood, Texas, have made Jennifer's teen prognostication come true.

They are now the official, signed-sealed-and-delivered, owner-operators of a brick and mortar skating rink in Temple, a small city located about 25 miles northeast of Fort Hood.

It was probably one of those things that was destined to happen.

According to Jennifer she might well have been born with wheels on her feet.

"I (roller) skated competitively from the time I was four," Jennifer recalled. "I spent my whole life competing."

Competition took Jennifer on the road. The road took Jennifer abroad.

And younger sister Jessica was right on her heels.

"We traveled everywhere together," Jennifer said.

When she won a national skating competition, Jessica was there. In 1989, when she won third place in world competition, Jessica was there, too.

Skating became contagious in the family, even when the sisters weren't on the road.

Their mother, Jennifer said, started working at their hometown rink, a place appropriately called Skateway, in Whitehall, a small town located in Pennsylvania's Lehigh Valley.

"Jessica's first job was there, and I worked there too. I taught... we all worked there together. Fun time," she said.

Jennifer taught skating in her teens into her twenties at various rinks. Her competitive days, however, came to a close with a career-ending injury.

Time passed, and Jessica joined the Army, where she met her husband, Doug Gordon, in Korea. Doug, by the way, is also one of the owners of what is now the family rink, and he's also currently working on the CTSF campus as a field service engineer with the Command Post of the Future (CPOF) system.

The Army – and maybe fate – brought Jessica to Fort Hood and the CTSF, where she noticed that the area was full of potential skating rink customers, many of them Soldiers and their families.

But skating rinks? Not so much.

It was just about then, when one sister was visiting the other, they watched the video-taped “someday I want to own a rink” interview. After that, fate led to some serious planning.

“Over the course of two years, we made it our goal to do this,” Jennifer said.

They came up with a business plan. They researched and produced a marketing plan. They worked on securing funds with the Small Business Administration. They hired a consultant whose specialty was skating rink operation.

About a year ago, the sisters and their spouses – by that point, Jennifer’s husband, Alberto, had become involved in the project – discovered a skating rink for sale just a few miles west of Fort Hood.

“But after several months of research,” Jennifer said, “we determined that it just wouldn’t work out.”

Then, the sisters turned to the Temple area, where they found Skate Haven.

“The original owner, Stanley White, who opened the rink in July of 1969, was ready to retire. So (our wanting to buy the business) worked out well for him, and well for us,” she said.

On March 31, Jennifer and Jessica and their respective spouses became the owner-operators of their very own skating establishment.

“We started running the business as Skate Haven, because Mr. White has tons of school parties and events lined up,” Jennifer said. “But on June 20, closed and started renovations

involving a complete interior and exterior redo, and new rentals (skates).”

The renovations included expansion of the existing snack bar, expansion of the snack bar menu, the addition of café seating for parents and family members, and an enlarged arcade area.

One of the more noticeable facets of the renovation was the rink’s new name.

“We changed the name to Wheels Skating Center,” Jennifer added.

“That’s Phase One of two phases. Phase Two will be done next summer. We’re going to expand so we can offer party rooms,” she said.

Jennifer staged a grand opening ceremony for Wheels in August.

“The mayor of Temple was there, and we made it a retirement ceremony for Mr. White. It was awesome,” she said.

So, on nights and weekends, the sisters are living what began as Jennifer’s dream, and became that of Jessica and the two husbands.

“We’re now doing birthday parties, all kinds of fundraisers. We also have a roller derby team,” she said.

But does running Wheels mean retirement from the CTSF?

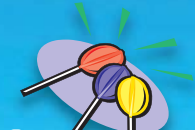
“Nope,” Jennifer said.

“We’re staying at the CTSF.”

And that is how they are planning to roll.

## Did you know?

Collectively there are 1,446 COMSEC accounts within the Department of Defense supporting Communications Security operations. Annually, it takes 70,000 unique Communications Security keys to secure critical voice and data circuits within the Department of Defense and supported Civil Agencies (Communications Security Logistics Agency, LRC).



Passwords

Network Diagrams

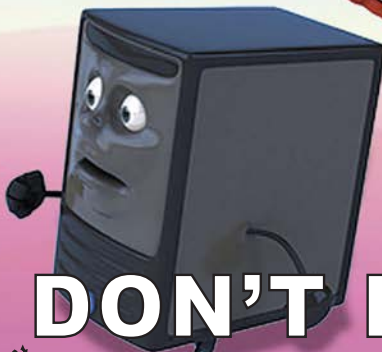


Satellite IDs

IP Addresses

Network IDs

CDs



# DON'T FEED THE HACKERS

Protect your Network Infrastructure  
Maintain OPSEC Awareness

Think. Protect. OPSEC

INFORMATION SYSTEMS ENGINEERING COMMAND



“The partnership between CECOM RESET, Tobyhanna, ESP and ITT provide world class service to our Soldiers to ensure that their Radios, Night Vision Devices and Tactical Wheel vehicle communications systems are RESET/Installed in a very short time. This collaborative team ensures that our Soldiers have the best equipment possible for our Soldiers to train on.”

~Scott Marcle, Plans & Equipping Branch Chief in the LOC

“The expedient and professional manner in which [I]SEC executed the installation of the SIPRNet infrastructure for the 18th Airborne Corps command group is above reproach. We also appreciate the superb caliber of support they consistently provide to the Fort Bragg Network Enterprise Center and the Military Construction Program here at our post.”

~Perry L Mills, Branch Chief, Infrastructure Support Branch, Network Enterprise Center, Fort Bragg, N.C.

“Whenever I get the opportunity to talk to our end user, the Soldier, they are always eager to tell me how they could not perform their mission without the capabilities CECOM SEC provides them and they only want more of our support.”

~Ned Keeler, SEC Director

“When a Soldier, Sailor, Airman, or Marine approaches the depot’s Communications Security Forward Repair Activity with broken equipment, they know their equipment issues will be resolved. Technicians will repair the equipment or exchange it for working equipment to assure maximum operational availability of assets in theater.”

~Ron Cappellini, director, Communications Systems, Tobyhanna Army Depot



by Sgt. Canaan Radcliffe

**One Vision, One Mission – The Warfighter**

# Highlights

## CTSF Supports NIE

by David G. Landmann, CTSF

CECOM's Central Technical Support Facility at Fort Hood, Texas, recently supported the Army's new Agile (acquisition) Process by providing a unique selection of services to nine systems in line to participate in the fall Network Integration Evaluation, NIE, event at Fort Bliss, Texas, and White Sands Missile Range, N.M. (FBTX/WSMR).

“CTSF's mission is to provide a unique, innovative, and scalable environment, with skilled and dedicated personnel, using qualified synergistic processes to support DOD's net-enabled strategic vision.”

The services—network integration, risk reduction, and information assurance assistance—allowed the nine Systems Under Evaluation, or SUEs, to “plug in” to a test network representative of the one used at FBTX/WSMR in the October 12.1 NIE event.

CTSF system of systems engineers examined SUEs including the Network Operations Virtualization Package, the DRS Company Command Post, The JTRS WNW Network manager with Ground Mobile Radio, the Soldier Radio Waveform Network Manager, Advanced Meshnets Technology, SideHat with ITT Soldier Radio-Rifleman, the Tactical Transportable Tropospheric (3T) Scatter, the Wireless Network after Next, the Oceus 3G, 4G Tactical Cellular, and the Joint Capabilities Release Enhanced Mission Command.

The CTSF was able to provide participating SUEs with familiarization with the NIE infrastructure and integration issues, preparation for information assurance scans, proven risk reduction processes, and expertise in the field of engineering support.

The Agile Process enables the Army to cut down the time it takes for industry to propose systems for eventual fielding, and the time those systems are actually fielded.



Just because you're working hard doesn't mean you're hardly working. Central Technical Support Facility (CTSF) Test Operator Susan Doran makes herself as comfortable as possible as she goes over the data she recorded during a test of the software that is built in to a Bradley Fighting Vehicle. The CTSF routinely tests platform software systems by connecting the electronics in host vehicles directly to its 40,000-sq. ft. test floor.



# Did you know?

SEC is one of 15 designated Agents of the Certification Authority for the U.S. Army, supporting the assessment and authorization of hundreds of tactical and enterprise systems. As part of its cyber-security mission, SEC performs information assurance engineering that “bakes” security into warfighting systems for 20 major customers.

## Investigate, articulate, litigate

by Pat Devine, SEC

Among the life cycle software solutions and services the Software Engineering Center provides is its support to government trial teams, lawyers, legal staff and contracting centers for investigations and litigation. The SEC Data Forensics Litigation Support Team, or DFLST, bridges the legal and information technology fields and consists of experts experienced in collecting, processing, analyzing and presenting data for legal proceedings. These highly trained IT specialists have advanced data collection and recovery process training, advanced knowledge of hardware, software and the global information grid infrastructure and broad knowledge of media storage devices. They are proficient in applying the Federal Rules of Civil Procedure related to electronic discovery and litigation and in maintaining evidence and collection logs.

The facts of an investigation and success of litigation commonly are built upon electronically stored information or ESI which includes all kinds of data like email, charts, calendar entries, voicemail, text messages, data bases, etc. The SEC team can process ESI using the most current technologies, facilitate audits regarding methods used for storage of electronic data and can manage large quantities of data used in hearings or proceedings.

During an investigation or litigation, preservation is key. The team helps to identify and locate relevant data; notify custodians



by Lance Cheung

Jon Beasley, image and extraction technician, peers through a stack of hard drive platters at the Defense Computer Forensic Laboratory, Department of Defense Cyber Crime Center, Md.

of preservation requirements; monitor actions affecting where relevant data resides; and coordinate with organizations for approval and collection of data using authorized processes and forensic tools.

The government faces unique data challenges in litigation, not common in the corporate environment. Security, data encryption and personally identifiable information are aspects within the Government that affect the preservation and collection of Government data. The SEC DFLST is there to help government agencies achieve success.

# Did you know?

In 2012, Tobyhanna Army Depot will celebrate the 100th anniversary of the Army's arrival at Tobyhanna. The Army's mission here has grown from a firing range to the largest, full-service electronics maintenance facility in the Department of Defense. What started in 1912 as an Army field artillery training site is now the recognized leader in the areas of automated test equipment, systems integration and downsizing of electronics systems.



Chief Warrant Officer (CW4), John O. Daines, uses a Bar Code Scanner, standard equipment for the Key Management Infrastructure, KMI, Management Client, MGC, located in Communications Security Logistics Activity's Key Management Infrastructure remote testing facility on Fort Huachuca, Ariz.

by Doug Smith

## CECOM's CSLA leads the way to KMI

by Dennis R. Hilliard

The continued growth of Communications Security, COMSEC, requirements has led to the development of the next generation of electronic key management called the Key Management Infrastructure (KMI). CECOM's Communications Security Logistics Activity, CSLA, has been at the forefront of the development of Key Management Infrastructure, KMI, and has worked closely with the National Security Agency, NSA, Program Management Office, PMO, to ensure the needs of the Army will be met by KMI. The Activity has assisted the NSA PMO in the acquisition process by leading teams focused on testing, logistics, and security. CSLA will provide KMI New Equipment Training during fielding as well as the Technical Help Desk during operations.

KMI enhances the overall COMSEC key management system in support of Government users including military, non-military, and users in the '5 Eyes': Canada, United States, United Kingdom, Australia, and New Zealand. KMI provides the capability for generation, distribution, destruction and management of COMSEC electronic key items, as well as management of COMSEC physical key and non-key COMSEC-related items. KMI utilizes a Type 1 Public Key Infrastructure, PKI, and introduces the concept of KMI-aware devices. In the long term, these new KMI-aware devices will greatly reduce the operational burden and risk to the Soldier in having to manually load COMSEC equipment.

## ISEC's TIC provides UC APL testing for DISA

by Ron Turnidge, ISEC

The U.S. Army Information Systems Engineering Command's, ISEC, Technology Integration Center, TIC, was established in 1985 with the sole purpose of verifying vendor claims and testing IT products targeted to be implemented into the Army's infrastructure. The TIC has developed into a state-of-the-art testing facility and is the Army's primary test center of excellence for the Defense Information Systems Agency's, DISA, Unified Capabilities Approved Products List, UC APL.

The UC APL is designed to maintain a single consolidated list of products that have completed Interoperability and Information Assurance certification. Use of the UC APL allows DoD components to purchase and operate approved systems over all DoD network infrastructures.

DISA's use of a distributed testing environment incorporates select DoD component test facilities in its UC testing and certification processes. This creates a "test once for many" concept which ultimately reduces testing cycles and allows technology to get on the UC APL faster.

According to Jim Hatch, the TIC's Joint Test and Certification Team Leader, "Since ISEC started distributed testing, we have completed 9 test events resulting in 32 products being placed on the UC APL." ISEC is fully engaged in supporting UC APL testing in the effort to rapidly deploy the most current technologies and is an integral part of the program's continued success.



by Ron Turnidge

Cisco Systems Software Engineer Derrick Howard (left) and Carmody Rauch, test engineer, ISEC-TIC, conduct UC APL testing on Cisco's firewalls in the TIC lab at Fort Huachuca, Ariz.

“The ISEC Technology Integration Center has adapted its testing environment and processes to accommodate the rapid changes in technology. The TIC is proud to be participating in DoD's Unified Capabilities Distributed Test concept, which enlists service labs to provide testing in support of the Joint Interoperability Test Command's certification process. The goal is to shorten the test cycle and get the best equipment into the users' hands faster.”

~William K. Citera, Director, Technology Integration Center, ISEC

# TYAD team installs language labs in Iraq

by Justin Eimers, TYAD

Despite harsh weather and unique working conditions, four depot employees completed the installation of two language laboratories in Southwest Asia, SWA, to help Iraqis learn English.

The crew relied on patience, ingenuity and teamwork to overcome multiple power issues while setting up the Training Multimedia Language Laboratories, TMLL, during a temporary duty assignment to Iraq.

“We’re like brothers when we’re out there [in the field],” said Team Leader John Nemeth. “We work well together, calm each other down and play off of each other’s strengths. Everyone brings a wide range of expertise and past experiences to the job.” Nemeth is an electronics technician in the Command, Control and Computers, C3, Avionics Directorate’s Computer Service and Repair Branch.

Limited access to electricity was one of the on-site challenges the team faced. During another, coalition forces had to step in to help team members bring a main power source back online. Each had a direct impact on the mission and well-being of the crew.

Personnel from Tobyhanna have been assisted by various forces throughout the TMLL program. For this mission, British, Polish and Iraqi forces provided assistance in Ar Rustamiyah to restart a generator. Concerns for personnel safety forced work stoppage for nearly two days as temperatures rose above 120 degrees Fahrenheit. In Taji, the U.S. Air Force 821st Air Expeditionary Advisory Squadron provided security and assistance. At the work site, electricity was available only from 9 a.m. to noon and from 3 to 5 p.m., and the crew had to devise alternate means of getting the job done.



by John Nemeth



by John Nemeth

The language lab installed in Taji, Iraq, included 20 modular work stations equipped with state-of-the-art language learning software.

John Nemeth shows Iraqi officers how to operate instructor and student software for a depot-installed language laboratory. The officers are with the Iraqi Air Force’s English Language Training Program. Nemeth, an electronics technician in the Command, Control and Computers/Avionics Directorate’s Computer Service and Repair Branch, was part of a depot team that installed two language labs in Iraq.

# i nformation

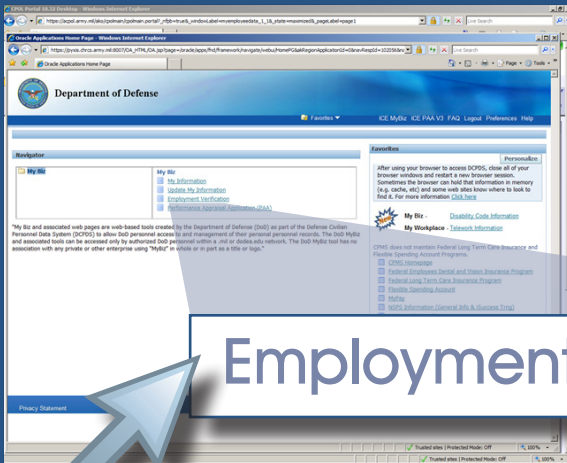


*you can use*

## Employment Verification Made Easy

Like many other Americans, federal employees apply for credit, rent property, sign up for utility services, and participate in numerous other activities requiring verification of employment. Many applications ask for phone numbers and supervisor information to complete the application process. Federal employees can save time and expedite employment verification by choosing to use two automated systems.

The first way is to dial 1-800-EMP-AUTH (1-800-367-2884) or go to <http://www.theworknumber.com>. You can obtain up to three Salary Keys. If unused, they will expire after six months. When prompted enter: Department of Defense Code 10365, your social security number and your 4-digit Pin (month and day of your birthday—MMDD—format, for example March 27 you be entered as “0327.” Then change your PIN to any 4–8 digit number and receive your salary key. If you choose to use the telephone, have a pen and paper handy so you can write down the salary key (the six-digit number) that will be voiced to you. If using the Internet, the salary key will be shown to you. Simply give this number to the organization requesting the employment or salary verification.



The second option is through “My Biz” in the DoD employee portal.

Click on the link and you will be given instructions. This link will enable an official email to be sent to those requesting employment verification.

## Employment Verification

## The Early Signal Corps Modernizes the Armed Forces

by Chrissie Reilly, CECOM Historian

As the Army continues to celebrate the 150th Anniversary of the Signal Corps, its importance to and impact on the Army is undisputed. But this was not always the case. The success of the Signal Corps can be traced to founder Brig. Gen. Albert James Myer, and his determination to prove the Signal Corps' relevance to the Army by branching out.

As historian A. Hunter Dupree states in his 1927 monograph, *Science in the Federal Government*, "Between 1861 and 1863 the corps was shunted from the Topographical Engineers to the Quartermaster Corps, to the Corps of Engineers."

Much of the resistance to building a strong Signal Corps stemmed from a hesitance to modernize the Army, and not from any technical failings of the Corps. Dupree wrote, "On the eve of Gettysburg an effort to put it under the Signal Corps foundered.... and the balloon train was disbanded at Washington with nearly two years of heavy fighting yet to go."

In fact, at the end of the Civil War, interest in communications was so lacking, that Myer found himself with a Signal Corps made up of two enlisted servants, two clerks and a budget of \$5,536. A few officers and men borrowed from the Corps of Engineers were responsible for actual duties performed. The Army just had no desire to stay in the telegraph business, mainly because good field commanders were already supposed to know enough to communicate.

As Rebecca Raines argued in *Getting the Message Through*, "By sheer tenacity [Myer] had won the Signal Corps' struggle for control of the kind of communications that would dominate the future."

In 1870, Congress approved a joint resolution for the Signal Corps to record meteorological observations at military bases throughout the country, and to warn of any incoming storms. G. S. Weber chronicled this part of Signal Corps history in *The Weather Bureau: Its History, Activities and Organizations* in 1922. To help establish the new system, Myer turned to

civilian meteorologists for expertise. Telegraph lines connected these remote stations, and both the telegraph and the weather system expanded in tandem as line operators doubled as weather observers.

In 1960, in his paper "One Century of Research," Dr. Harold A. Zahl wrote that in the summer of 1884, six Signalmen returned from Fort Conger — at the north pole — and brought with them the "best scientific records history had ever known." They formed an unbroken series of hourly meteorological, tidal, magnetic, and pendulum observations covering a period of two full years.

More than just weather conditions were relayed over these wires. The Signal Corps also relayed other types of relevant information such as labor uprisings during 1877. A series of railroad strikes that summer prompted Chief Signal Officer Myer to order weather observers at strategic locations to report every six hours on the strikes, and more often if it was needed. As Raines wrote in *Getting the Message Through*, Sgt. Leroy E. Sebree wired from Louisville, Ky., on July 25, 1877, that "The wildest excitement prevails—troops are resting on their arms in City Hall—striking laborers are marching through the city forcing others to join. Every precaution is being taken to prevent serious trouble." Myer was then able to report the conditions directly to President Rutherford B. Hayes.

The flexibility of the Signal Corps to do more than just military signaling earned this division respect as a true contributor to the Army, and to the nation. It is on this tradition that current commands are built. Signal research impacted the entire military, just as communications and electronics development research does today. It is important during times of conflict, but also benefits peacetime economies. The C4ISR Center of Excellence at Aberdeen Proving Ground continues to uphold the traditions of Myer's early Signal Corps by seeking innovative solutions to old problems and adapting for the Army of the future.

# Men Wanted for the Army



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